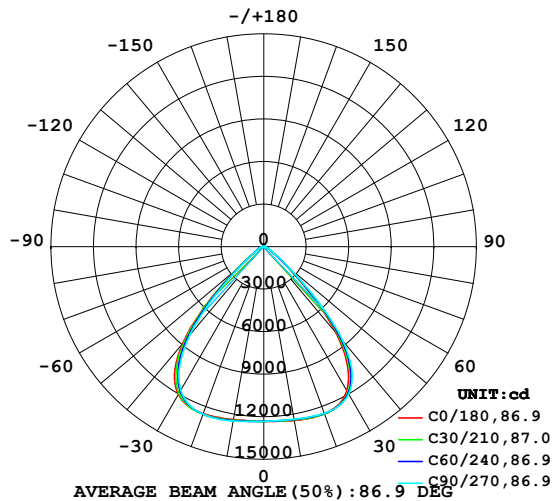


LUMINAIRE PHOTOMETRIC TEST REPORT

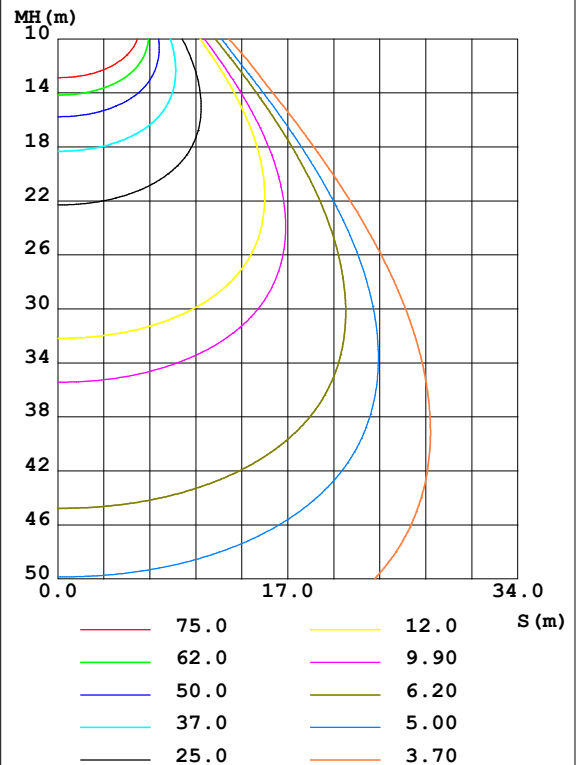
Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 146.95 lm/W			
MODEL		Imax(cd)	12586	S/MH(C0/180)	1.29
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	22763	η UP,DN(C0-180)	0.4,49.9
NOMINAL FLUX(lm)	22762.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,49.1
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	99.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1244	1239	1236	1235	1238	1244	1248	1247	0- 10	1181	1181	5.19,5.19
20	1254	1254	1251	1247	1253	1257	1257	1252	10- 20	3542	4722	20.7,20.7
30	1172	1192	1200	1205	1204	1184	1170	1161	20- 30	5696	10418	45.8,45.8
40	790.3	841.0	868.3	905.2	890.7	845.4	808.9	787.1	30- 40	6537	16955	74.5,74.5
50	203.3	217.5	231.6	261.3	252.2	231.3	218.3	212.0	40- 50	3951	20905	91.8,91.8
60	58.61	59.79	61.48	65.93	64.79	63.08	61.93	60.29	50- 60	1051	21956	96.5,96.5
70	27.77	27.95	25.53	27.01	29.16	32.08	29.53	28.31	60- 70	433.2	22389	98.4,98.4
80	1.283	1.189	1.300	2.139	2.291	2.211	2.078	1.711	70- 80	144.3	22534	99,99
90	0.1470	0.1452	0.1446	0.1401	0.3298	0.3467	0.3534	0.3842	80- 90	3.906	22537	99,99
100	0.3957	0.3761	0.3669	0.3490	1.053	1.114	1.152	1.215	90-100	5.079	22543	99,99
110	1.055	1.009	0.9757	0.9421	2.087	2.161	2.211	2.277	100-110	12.15	22555	99.1,99.1
120	2.144	2.068	2.014	1.961	3.346	3.444	3.514	3.591	110-120	21.23	22576	99.2,99.2
130	3.534	3.445	3.375	3.307	5.023	5.157	5.253	5.339	120-130	31.38	22607	99.3,99.3
140	5.002	4.907	4.847	4.782	6.826	6.968	7.065	7.116	130-140	39.63	22647	99.5,99.5
150	6.227	6.187	6.116	6.047	8.388	8.492	8.585	8.612	140-150	41.60	22689	99.7,99.7
160	7.765	7.709	7.625	7.548	9.879	9.986	10.05	10.06	150-160	37.12	22726	99.8,99.8
170	9.650	9.606	9.509	9.427	11.13	11.19	11.21	11.18	160-170	26.99	22753	100,100
180	11.30	11.32	11.24	11.17	11.32	11.31	11.26	11.17	170-180	10.30	22763	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 19475 lm

%lum = 85.6%

%lamp = 85.6%

Conical surface Flux(120deg): 21956 lm

%lum = 96.5%

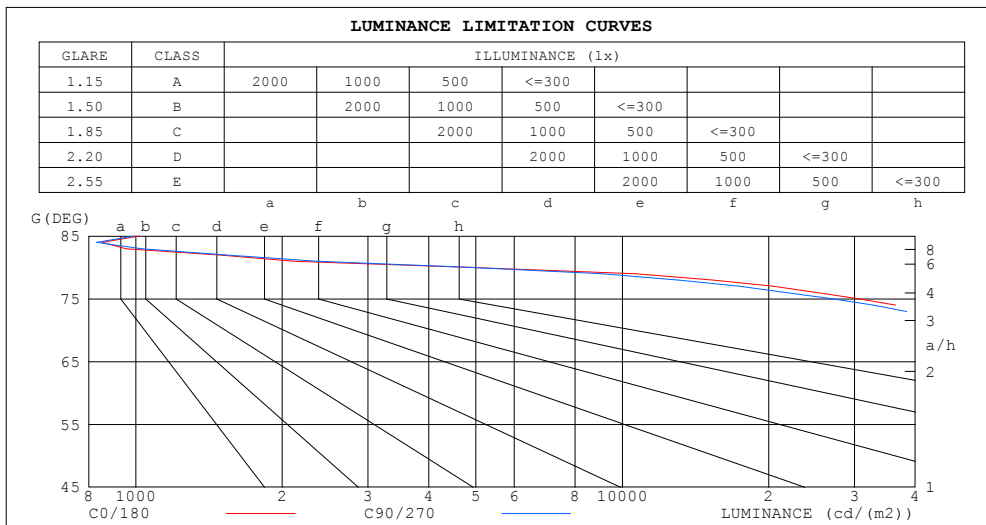
%lamp = 96.5%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:53.0%
 Test Distance:10.380m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1016	994
80	4839	4857
75	30585	27000
70	53157	48429
65	65466	64369
60	76750	79782
55	107711	120395
50	207035	233831
45	420696	483145

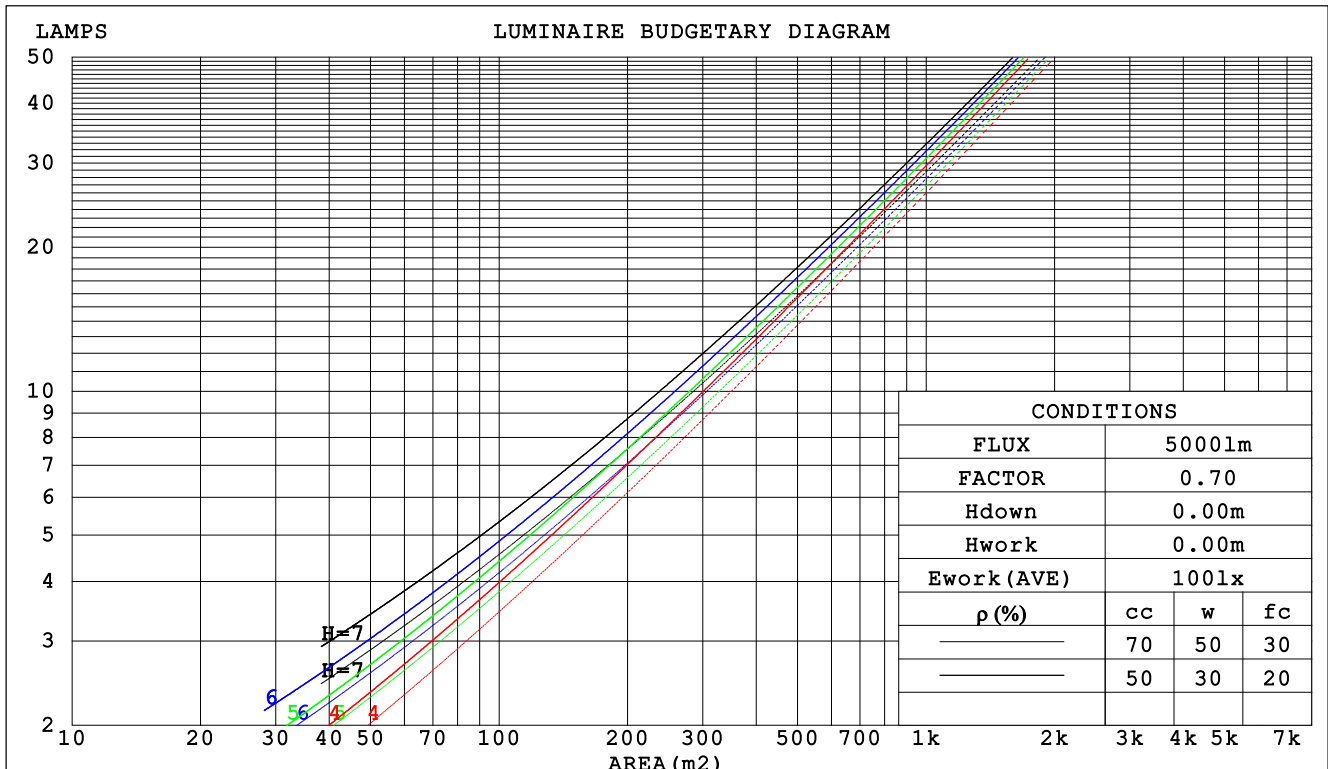
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 53.0%
 Test Distance: 10.380m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效LED:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	.98	.98	.97	.95	.95	.93	.92	.90
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.85	.83	.81
3.0	.90	.84	.80	.89	.83	.79	.86	.81	.77	.83	.79	.76	.81	.78	.75	.73
4.0	.83	.76	.71	.81	.75	.70	.79	.74	.69	.77	.72	.68	.75	.71	.67	.66
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.64	.61	.59
6.0	.69	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54
7.0	.64	.57	.52	.63	.56	.52	.62	.56	.51	.60	.55	.51	.59	.54	.50	.49
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.46	.55	.50	.46	.44
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.46	.43	.51	.46	.42	.41
10.0	.51	.44	.40	.50	.44	.39	.49	.43	.39	.49	.43	.39	.48	.43	.39	.37



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.212	.120	.038	.204	.117	.037	.191	.110	.035	.179	.103	.033	.168	.097	.031		
2.0	.206	.113	.035	.200	.110	.034	.189	.105	.033	.178	.100	.031	.169	.095	.030		
3.0	.198	.105	.032	.193	.103	.031	.183	.099	.030	.173	.095	.029	.165	.091	.028		
4.0	.189	.098	.029	.184	.096	.028	.175	.093	.028	.167	.090	.027	.160	.087	.026		
5.0	.180	.092	.027	.176	.090	.026	.168	.087	.026	.161	.085	.025	.154	.082	.025		
6.0	.171	.086	.025	.167	.085	.024	.160	.082	.024	.154	.080	.024	.148	.078	.023		
7.0	.163	.080	.023	.159	.079	.023	.153	.077	.022	.147	.076	.022	.142	.074	.022		
8.0	.155	.076	.021	.152	.075	.021	.146	.073	.021	.141	.072	.021	.136	.070	.020		
9.0	.148	.071	.020	.145	.071	.020	.140	.069	.020	.135	.068	.019	.131	.066	.019		
10.0	.141	.068	.019	.139	.067	.019	.134	.066	.018	.130	.064	.018	.126	.063	.018		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.198	.198	.198	.169	.169	.169	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.181	.165	.150	.155	.141	.129	.106	.097	.089	.061	.056	.052	.020	.018	.017	
2.0	.169	.140	.116	.144	.120	.100	.099	.083	.070	.057	.048	.041	.018	.016	.013	
3.0	.158	.122	.092	.136	.105	.080	.093	.073	.056	.054	.043	.033	.017	.014	.011	
4.0	.150	.107	.075	.128	.093	.065	.088	.065	.046	.051	.038	.027	.016	.012	.009	
5.0	.142	.096	.062	.122	.083	.054	.084	.058	.038	.049	.034	.023	.016	.011	.008	
6.0	.136	.088	.053	.117	.076	.046	.080	.053	.033	.047	.031	.019	.015	.010	.006	
7.0	.130	.080	.046	.111	.070	.040	.077	.049	.028	.045	.029	.017	.014	.009	.006	
8.0	.124	.075	.040	.107	.065	.035	.074	.045	.025	.043	.027	.015	.014	.009	.005	
9.0	.119	.070	.036	.103	.060	.032	.071	.042	.022	.041	.025	.013	.013	.008	.004	
10.0	.114	.065	.033	.099	.057	.029	.068	.040	.020	.040	.024	.012	.013	.008	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm										
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效LED							WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions						Viewed crosswise				
x = 2H y = 2H						Viewed endwise				
3H						19.6	20.8	19.9	21.0	21.2
4H						19.5	20.6	19.8	20.8	21.1
6H						19.5	20.5	19.8	20.7	21.0
8H						19.4	20.3	19.7	20.6	20.9
12H						19.3	20.2	19.7	20.5	20.8
4H 2H						19.3	20.1	19.6	20.4	20.7
3H						19.4	20.4	19.7	20.7	20.9
4H						19.4	20.2	19.7	20.5	20.8
6H						19.3	20.1	19.7	20.4	20.8
8H						19.2	19.9	19.6	20.3	20.6
12H						19.2	19.8	19.6	20.2	20.6
8H 4H						19.1	19.7	19.6	20.1	20.5
6H						18.9	19.6	19.4	19.9	20.3
8H						19.1	19.6	19.6	20.0	20.5
12H						19.1	19.5	19.5	20.0	20.4
12H 4H						19.0	19.4	19.5	19.9	20.4
6H						18.9	19.5	19.6	20.1	20.5
8H						18.8	19.3	19.3	19.7	20.2
12H						19.1	19.5	19.5	20.0	20.4
12H 6H						19.0	19.4	19.5	19.9	20.4
8H						18.8	19.1	19.2	19.6	20.1
Variations with the observer position at spacings:										
S = 1.0H			+ 2.2 / - 6.3				+ 2.2 / - 6.4			
1.5H			+ 3.3 / - 5.5				+ 3.2 / - 5.9			
2.0H			+ 5.5 / - 4.3				+ 5.8 / - 5.1			

CIE Pub.117, 22763 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 10.9)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光型	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

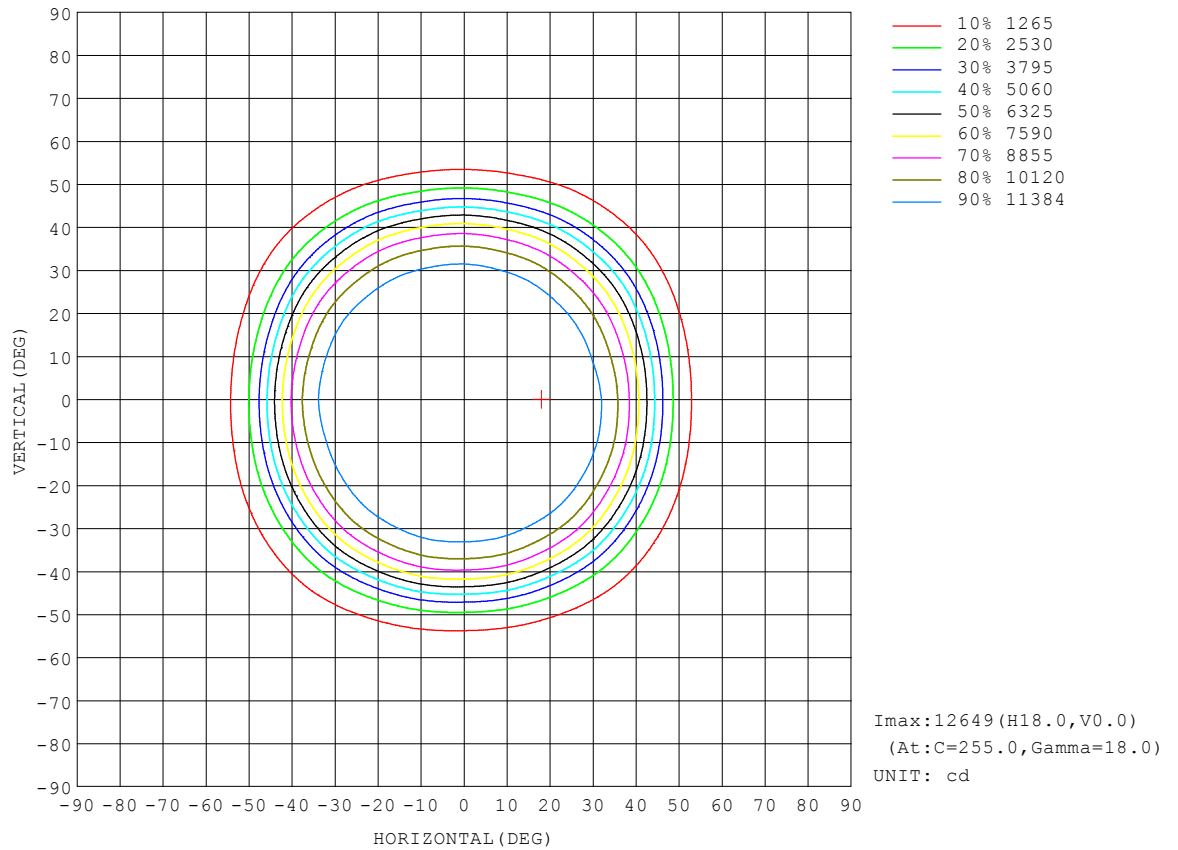
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	75	67	62	75	67	62	74	66	62	57
0.80	85	77	72	84	76	71	82	75	71	66
1.00	91	84	79	90	83	79	88	84	78	73
1.25	97	90	85	96	89	85	93	88	84	79
1.50	100	94	90	99	93	89	96	92	88	82
2.00	105	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	101	97	102	98	95	88
3.00	109	105	101	107	103	100	103	100	98	91
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	106	104	102	94
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

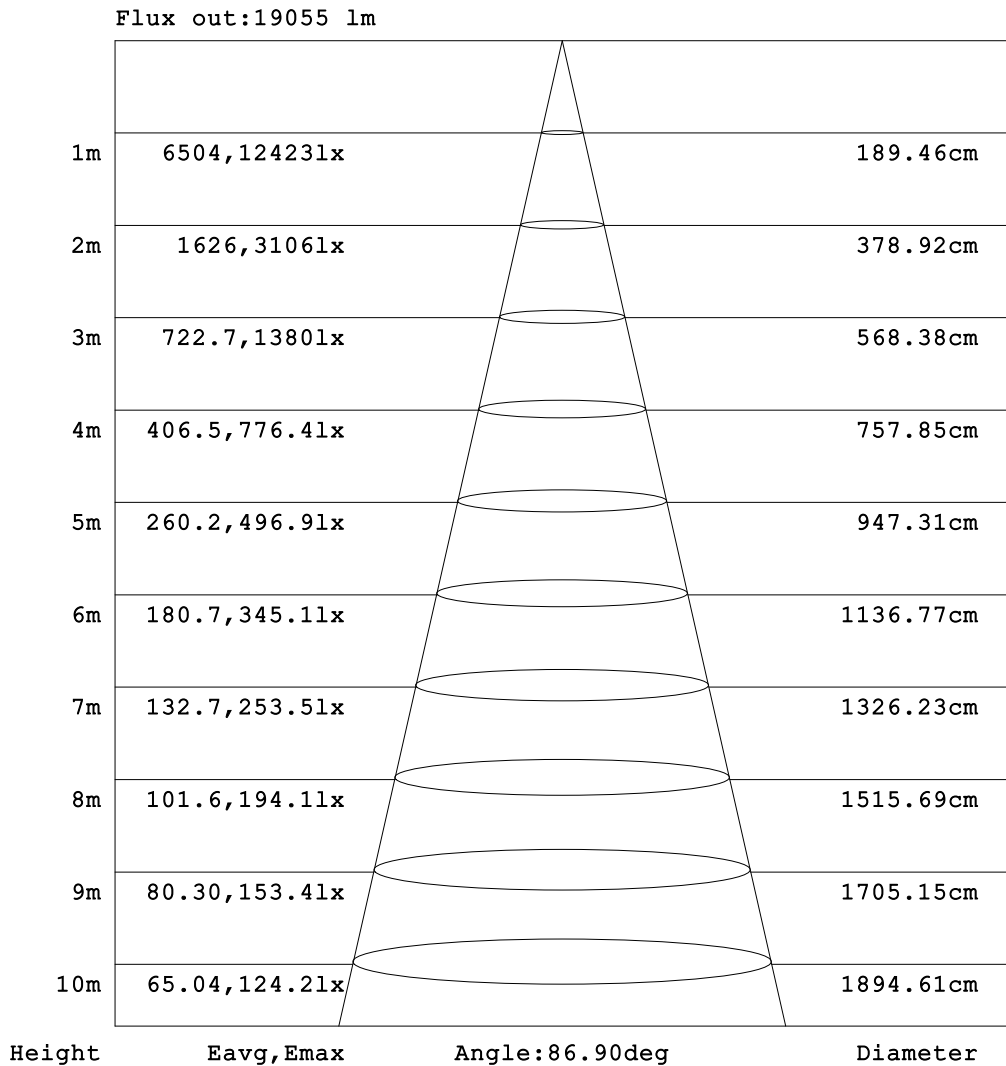


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

AAI Figure

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	Light Type:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



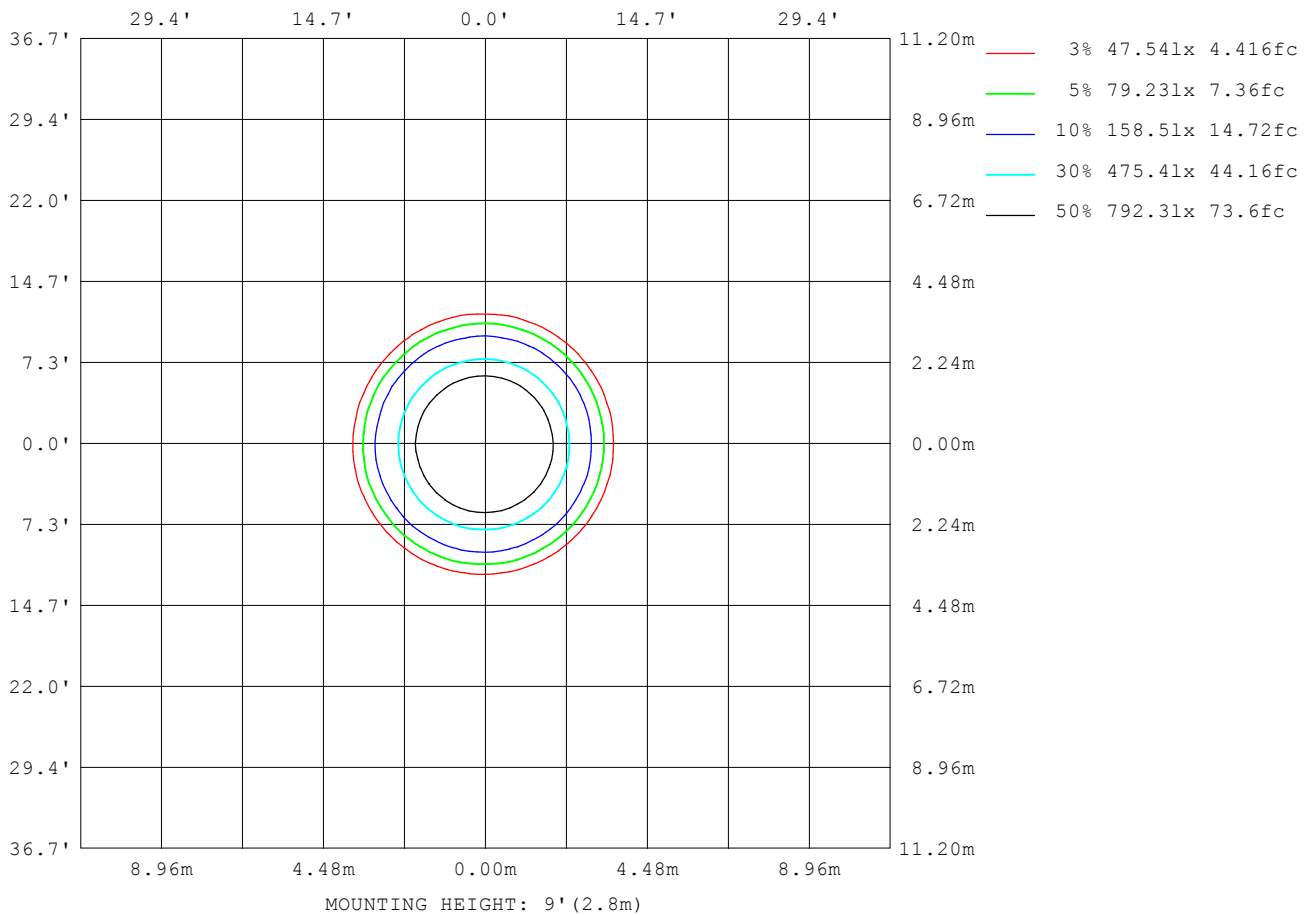
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效LED	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	Light Type:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

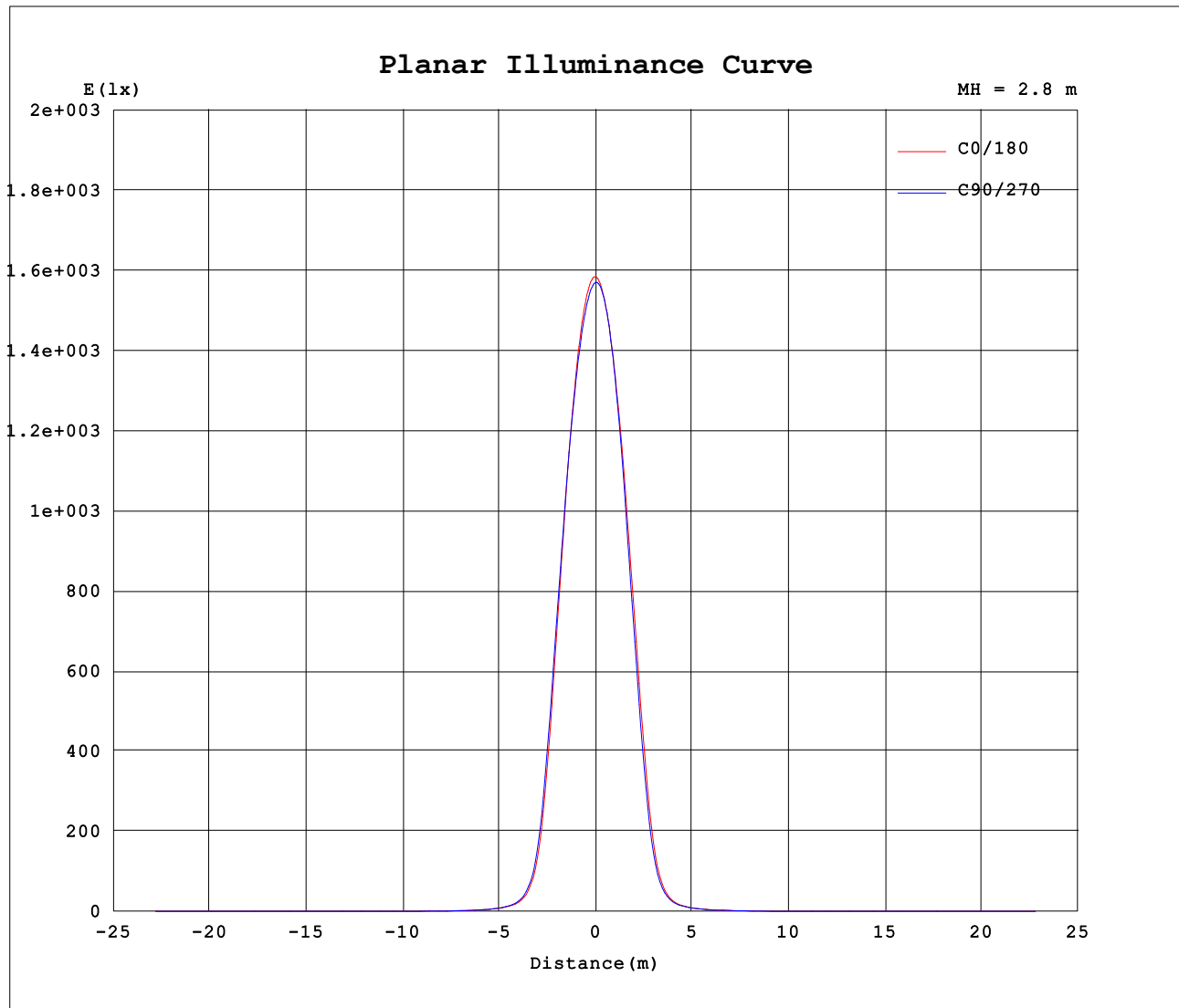
AvgL	cd/m2
L_0~180 (65) av	67071
L_0~180 (75) av	32237
L_0~180 (85) av	1375
L_90~270 (65) av	66317
L_90~270 (75) av	31300
L_90~270 (85) av	1399
L_45 (65) av	67248
L_45 (75) av	32318
L_45 (85) av	1416

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 19 May 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 53.0%
Test Distance: 10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232	1232
5	1236	1235	1234	1233	1232	1232	1231	1231	1231	1231	1231	1232	1232	1234	1235	1236	1237	1238	1238
10	1244	1243	1241	1239	1238	1237	1236	1235	1235	1235	1235	1236	1238	1241	1242	1244	1246	1248	1248
15	1252	1251	1250	1248	1246	1245	1244	1243	1242	1241	1242	1244	1247	1250	1252	1254	1255	1257	1257
20	1254	1255	1255	1254	1252	1252	1251	1249	1248	1247	1247	1249	1253	1256	1257	1257	1257	1257	1257
25	1235	1241	1241	1243	1241	1243	1243	1243	1242	1241	1240	1242	1245	1246	1246	1241	1238	1236	1235
30	1172	1183	1186	1192	1192	1198	1200	1204	1204	1205	1202	1204	1204	1200	1196	1184	1178	1171	1170
35	1033	1050	1057	1070	1072	1084	1087	1099	1099	1106	1102	1104	1098	1087	1081	1063	1053	1038	1035
40	790	811	818	841	845	865	868	890	892	905	899	904	891	874	870	845	836	813	809
45	454	473	473	497	499	526	527	555	555	575	568	578	561	541	542	516	514	487	487
50	203	205	213	218	219	230	232	246	249	261	258	263	252	242	242	231	229	218	218
55	94.4	97.4	98.1	101	101	105	106	112	114	118	116	118	113	110	110	106	106	102	102
60	58.6	59.3	59.0	59.8	59.4	60.9	61.5	63.6	64.5	65.9	65.1	66.3	64.8	63.9	63.9	63.1	63.3	62.0	61.9
65	42.3	42.6	42.3	41.8	41.1	41.3	41.9	42.5	43.0	44.1	43.9	44.9	45.0	45.1	46.0	46.0	45.8	44.8	44.4
70	27.8	28.7	28.5	27.9	26.6	25.8	25.5	25.7	26.0	27.0	27.2	28.1	29.2	29.9	31.5	32.1	31.9	30.4	29.5
75	12.1	12.4	12.1	12.0	11.5	11.5	10.8	11.2	11.1	12.0	12.1	12.8	13.6	13.9	14.5	14.2	14.7	14.1	14.2
80	1.28	1.38	1.11	1.19	1.10	1.37	1.30	1.60	1.67	2.14	2.02	2.15	2.29	2.21	2.38	2.21	2.35	1.89	2.08
85	0.14	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.23	0.24	0.24	0.24	0.24	0.24	0.24
90	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.33	0.34	0.34	0.35	0.34	0.35	0.35
95	0.23	0.22	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.61	0.63	0.63	0.65	0.65	0.67	0.67
100	0.40	0.38	0.39	0.38	0.38	0.36	0.37	0.36	0.36	0.35	0.35	0.35	1.05	1.08	1.08	1.11	1.12	1.15	1.15
105	0.67	0.65	0.66	0.64	0.64	0.62	0.62	0.60	0.61	0.59	0.60	0.59	1.55	1.59	1.59	1.62	1.63	1.66	1.67
110	1.06	1.04	1.03	1.01	1.00	0.98	0.98	0.96	0.96	0.94	0.95	0.94	2.09	2.12	2.13	2.16	2.17	2.20	2.21
115	1.55	1.53	1.52	1.49	1.48	1.45	1.44	1.42	1.42	1.40	1.41	1.40	2.67	2.71	2.72	2.76	2.76	2.81	2.81
120	2.14	2.11	2.11	2.07	2.06	2.02	2.01	1.98	1.98	1.96	1.98	1.97	3.35	3.39	3.40	3.44	3.46	3.50	3.51
125	2.81	2.78	2.77	2.73	2.71	2.67	2.66	2.63	2.63	2.60	2.62	2.61	4.14	4.19	4.21	4.25	4.27	4.33	4.34
130	3.53	3.50	3.49	3.44	3.43	3.38	3.38	3.33	3.34	3.31	3.33	3.32	5.02	5.09	5.11	5.16	5.19	5.25	5.25
135	4.28	4.24	4.23	4.18	4.17	4.13	4.12	4.08	4.08	4.06	4.07	4.06	5.94	6.00	6.03	6.08	6.12	6.18	6.18
140	5.00	4.96	4.95	4.91	4.89	4.85	4.85	4.81	4.81	4.78	4.80	4.79	6.83	6.89	6.92	6.97	7.00	7.06	7.06
145	5.63	5.60	5.58	5.57	5.55	5.51	5.50	5.46	5.45	5.43	5.44	5.43	7.63	7.69	7.71	7.75	7.78	7.83	7.84
150	6.23	6.21	6.22	6.19	6.17	6.13	6.12	6.08	6.07	6.05	6.05	6.04	8.39	8.44	8.46	8.49	8.52	8.57	8.58
155	6.93	6.94	6.93	6.90	6.88	6.84	6.82	6.79	6.78	6.75	6.76	6.74	9.13	9.18	9.20	9.24	9.27	9.30	9.32
160	7.76	7.76	7.74	7.71	7.69	7.64	7.63	7.59	7.58	7.55	7.55	7.54	9.88	9.93	9.95	9.99	10.0	10.0	10.0
165	8.66	8.65	8.64	8.60	8.58	8.54	8.52	8.48	8.46	8.43	8.43	8.42	10.6	10.6	10.6	10.7	10.7	10.7	10.7
170	9.65	9.65	9.64	9.61	9.58	9.53	9.51	9.48	9.45	9.43	9.42	9.41	11.1	11.2	11.2	11.2	11.2	11.2	11.2
175	10.8	10.8	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.5	10.5	10.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4
180	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.2	11.2	11.1	11.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.4V I:0.6877A P:154.9W PF:0.9734 Freq:49.99Hz Lamp Flux:22762.9x1 lm		
NAME: H09-STC-150W-231SMD-4000K-RA80-R360-90°C-高光效	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1232	1232	1232	1232	1232														
5	1238	1238	1238	1237	1237														
10	1248	1248	1247	1245	1244														
15	1256	1255	1254	1252	1251														
20	1255	1254	1252	1252	1251														
25	1232	1231	1229	1230	1231														
30	1164	1164	1161	1165	1167														
35	1025	1027	1021	1029	1029														
40	794	798	787	797	793														
45	470	476	462	472	462														
50	217	212	212	207	208														
55	99.7	101	98.3	98.1	96.1														
60	61.2	61.8	60.3	59.7	58.8														
65	43.6	43.8	43.3	42.2	41.7														
70	28.7	28.9	28.3	27.4	26.7														
75	13.9	14.1	13.3	13.1	12.3														
80	1.79	1.94	1.71	1.86	1.40														
85	0.25	0.25	0.26	0.25	0.26														
90	0.37	0.37	0.38	0.38	0.39														
95	0.70	0.70	0.73	0.72	0.73														
100	1.19	1.19	1.22	1.21	1.22														
105	1.70	1.71	1.73	1.72	1.74														
110	2.25	2.25	2.28	2.27	2.28														
115	2.86	2.86	2.89	2.88	2.89														
120	3.56	3.57	3.59	3.58	3.60														
125	4.39	4.39	4.42	4.42	4.43														
130	5.31	5.31	5.34	5.33	5.34														
135	6.24	6.24	6.26	6.25	6.26														
140	7.11	7.11	7.12	7.11	7.11														
145	7.88	7.88	7.89	7.88	7.87														
150	8.61	8.61	8.61	8.60	8.58														
155	9.35	9.34	9.34	9.32	9.30														
160	10.1	10.1	10.1	10.05	10.02														
165	10.7	10.7	10.7	10.7	10.7														
170	11.2	11.2	11.2	11.2	11.2														
175	11.4	11.4	11.3	11.3	11.3														
180	11.2	11.2	11.2	11.2	11.1														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Photometric Data Table [cd]

G/C	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0
0.0	12320	12320	12320	12320	12320	12320	12320	12320	12320	12320
3.0	12339	12333	12328	12321	12314	12310	12306	12305	12307	12306
6.0	12374	12360	12350	12339	12327	12323	12318	12312	12313	12314
9.0	12425	12407	12396	12377	12360	12355	12350	12341	12337	12335
12.0	12477	12462	12448	12429	12408	12397	12393	12381	12377	12371
15.0	12521	12514	12503	12484	12461	12451	12442	12428	12418	12410
18.0	12545	12552	12547	12531	12510	12500	12489	12471	12460	12451
21.0	12522	12545	12546	12538	12519	12518	12509	12493	12484	12472
24.0	12415	12461	12465	12472	12455	12469	12465	12462	12450	12442
27.0	12173	12241	12259	12287	12274	12312	12314	12334	12320	12319
30.0	11723	11828	11863	11923	11915	11982	11997	12045	12035	12048
33.0	10999	11140	11196	11295	11303	11403	11424	11514	11510	11549
36.0	9929	10110	10184	10336	10360	10497	10525	10665	10677	10746
39.0	8475	8680	8753	8965	9004	9186	9227	9416	9434	9548
42.0	6622	6836	6881	7123	7167	7407	7445	7692	7712	7871
45.0	4543	4730	4727	4971	4986	5264	5265	5545	5549	5755
48.0	2781	2888	2907	3061	3092	3245	3283	3466	3504	3666
51.0	1729	1737	1812	1840	1907	1933	2015	2067	2164	2200
54.0	1072	1109	1117	1161	1163	1207	1222	1285	1307	1359
57.0	759.5	777.8	779.0	799.0	797.4	822.6	831.0	865.8	881.1	906.6
60.0	586.1	592.9	590.2	597.9	593.7	608.6	614.8	636.2	644.8	659.3
63.0	477.5	482.3	476.8	479.6	470.3	481.6	482.8	495.2	499.0	510.7
66.0	394.1	397.3	395.1	389.2	380.5	380.8	385.4	389.9	394.5	405.8
69.0	307.1	316.0	313.1	307.5	294.9	289.5	287.5	289.7	292.1	302.6
72.0	218.3	233.1	224.0	226.6	213.0	206.0	200.6	201.4	203.3	212.7
75.0	120.9	124.4	120.7	120.2	115.4	115.2	107.7	112.0	110.8	120.3
78.0	49.02	48.50	43.27	46.50	43.92	44.30	42.02	44.94	45.69	51.45
81.0	5.059	5.401	4.902	5.326	5.182	5.677	5.708	6.961	6.882	7.527
84.0	1.362	1.305	1.359	1.310	1.348	1.282	1.337	1.300	1.353	1.390
87.0	1.375	1.371	1.388	1.368	1.376	1.348	1.350	1.330	1.347	1.326
90.0	1.470	1.453	1.475	1.452	1.471	1.432	1.446	1.414	1.428	1.401
93.0	1.894	1.856	1.894	1.837	1.860	1.803	1.817	1.763	1.781	1.738
96.0	2.549	2.489	2.528	2.452	2.468	2.387	2.406	2.330	2.362	2.292
99.0	3.527	3.438	3.478	3.374	3.400	3.276	3.296	3.196	3.230	3.130
102.0	4.910	4.788	4.813	4.673	4.680	4.524	4.549	4.408	4.448	4.335
105.0	6.682	6.534	6.563	6.368	6.364	6.160	6.164	5.995	6.051	5.899
108.0	8.873	8.700	8.684	8.463	8.422	8.199	8.197	8.001	8.040	7.887
111.0	11.45	11.24	11.23	10.96	10.90	10.62	10.59	10.39	10.41	10.25
114.0	14.44	14.20	14.16	13.83	13.78	13.44	13.44	13.16	13.20	13.00
117.0	17.78	17.51	17.47	17.08	17.02	16.65	16.61	16.32	16.37	16.14
120.0	21.44	21.14	21.09	20.68	20.57	20.17	20.14	19.82	19.84	19.61
123.0	25.35	25.03	24.99	24.54	24.42	23.98	23.96	23.60	23.62	23.36
126.0	29.51	29.19	29.13	28.67	28.55	28.08	28.03	27.65	27.67	27.40
129.0	33.86	33.47	33.45	32.96	32.85	32.36	32.29	31.89	31.92	31.62
132.0	38.29	37.95	37.81	37.41	37.28	36.79	36.69	36.32	36.28	36.02
135.0	42.79	42.45	42.33	41.83	41.72	41.31	41.19	40.81	40.80	40.56
138.0	47.39	46.97	46.87	46.41	46.15	45.66	45.69	45.37	45.33	45.07
141.0	51.32	50.95	50.74	50.41	50.31	49.92	49.84	49.45	49.43	49.17
144.0	55.13	54.88	54.59	54.39	54.27	53.88	53.73	53.38	53.27	53.05
147.0	58.59	58.37	58.22	58.08	57.92	57.52	57.37	57.02	56.90	56.66
150.0	62.27	62.14	62.22	61.87	61.72	61.30	61.16	60.80	60.72	60.47
153.0	66.35	66.46	66.44	66.12	65.94	65.52	65.37	65.01	64.91	64.64
156.0	70.82	70.89	70.79	70.47	70.25	69.83	69.66	69.32	69.17	68.92
159.0	75.89	75.84	75.74	75.37	75.16	74.71	74.54	74.19	74.07	73.78
162.0	81.18	81.08	80.96	80.59	80.36	79.92	79.75	79.40	79.25	78.96
165.0	86.61	86.51	86.36	86.05	85.77	85.36	85.17	84.81	84.61	84.32
168.0	92.65	92.57	92.45	92.14	91.84	91.44	91.19	90.85	90.60	90.38
171.0	98.38	98.38	98.26	97.98	97.64	97.25	97.01	96.68	96.42	96.18
174.0	105.8	105.9	105.7	105.5	105.2	104.8	104.7	104.3	104.1	103.7
177.0	110.2	110.4	110.2	110.1	109.8	109.5	109.2	108.9	108.6	108.3
180.0	113.0	113.4	113.1	113.2	112.8	112.7	112.4	112.3	111.9	111.7
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	12320	12320	12320	12320	12320	12320	12320	12320	12320	12320
3.0	12312	12313	12317	12325	12332	12340	12343	12349	12352	12352
6.0	12319	12322	12331	12346	12360	12375	12384	12396	12401	12403
9.0	12342	12349	12364	12388	12405	12424	12438	12456	12460	12463
12.0	12379	12390	12415	12444	12462	12483	12498	12520	12524	12520
15.0	12419	12436	12470	12499	12519	12539	12552	12568	12573	12563
18.0	12456	12473	12515	12545	12562	12573	12577	12586	12584	12571
21.0	12470	12486	12532	12556	12570	12560	12551	12549	12545	12524
24.0	12433	12448	12489	12500	12503	12464	12443	12426	12420	12391
27.0	12302	12317	12345	12332	12319	12246	12207	12171	12163	12117
30.0	12021	12037	12041	11997	11958	11844	11784	11714	11703	11640

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Photometric Data Table [cd]

33.0	11514	11537	11507	11418	11366	11209	11125	11013	10994	10907
36.0	10706	10728	10659	10533	10472	10270	10180	10012	9978	9871
39.0	9492	9533	9419	9260	9211	8985	8879	8665	8631	8488
42.0	7810	7865	7722	7537	7511	7245	7162	6917	6873	6702
45.0	5680	5776	5610	5407	5421	5164	5142	4870	4869	4704
48.0	3630	3694	3555	3412	3401	3258	3222	3064	3060	2957
51.0	2165	2219	2119	2099	2037	2012	1935	1904	1846	1843
54.0	1345	1366	1306	1264	1266	1218	1213	1166	1168	1134
57.0	895.9	910.6	877.1	856.6	857.5	833.3	835.7	812.1	812.8	797.7
60.0	651.1	662.9	647.9	638.7	639.0	630.8	633.3	619.8	619.3	611.5
63.0	506.8	517.2	514.3	509.9	516.4	514.0	514.3	503.4	502.2	493.9
66.0	406.1	414.8	419.5	423.1	432.3	435.0	430.2	420.1	414.9	405.1
69.0	305.3	314.1	324.4	332.4	347.3	352.6	348.7	334.4	326.7	316.7
72.0	213.4	218.3	227.6	234.8	249.7	254.5	256.8	247.5	241.4	234.4
75.0	121.5	127.9	136.1	138.7	145.3	141.8	147.4	140.9	141.8	139.0
78.0	50.32	53.30	56.61	56.37	59.06	57.54	59.49	55.78	58.36	58.30
81.0	7.551	8.093	9.305	9.054	9.523	8.308	8.798	7.560	7.594	7.112
84.0	1.400	1.452	2.446	2.450	2.473	2.456	2.440	2.401	2.383	2.410
87.0	1.342	1.329	2.617	2.682	2.671	2.727	2.696	2.754	2.742	2.835
90.0	1.401	1.397	3.298	3.381	3.361	3.467	3.446	3.545	3.534	3.680
93.0	1.749	1.711	4.717	4.856	4.825	5.016	4.993	5.195	5.194	5.433
96.0	2.325	2.258	6.906	7.101	7.086	7.335	7.322	7.591	7.619	7.915
99.0	3.175	3.104	9.577	9.838	9.862	10.15	10.15	10.46	10.51	10.85
102.0	4.382	4.300	12.49	12.78	12.82	13.15	13.18	13.50	13.56	13.90
105.0	5.987	5.883	15.53	15.85	15.91	16.23	16.26	16.61	16.67	17.03
108.0	7.988	7.874	18.68	19.01	19.07	19.40	19.44	19.80	19.88	20.24
111.0	10.35	10.26	21.99	22.33	22.39	22.74	22.80	23.17	23.26	23.64
114.0	13.14	13.03	25.51	25.86	25.93	26.30	26.36	26.78	26.86	27.30
117.0	16.27	16.17	29.29	29.69	29.76	30.18	30.23	30.72	30.78	31.26
120.0	19.77	19.66	33.46	33.89	34.00	34.44	34.56	35.04	35.14	35.64
123.0	23.55	23.43	38.09	38.56	38.70	39.16	39.31	39.84	39.93	40.47
126.0	27.59	27.45	43.09	43.64	43.81	44.30	44.50	45.08	45.16	45.72
129.0	31.82	31.69	48.42	49.01	49.22	49.72	49.97	50.58	50.65	51.26
132.0	36.21	36.11	53.92	54.54	54.78	55.31	55.62	56.23	56.29	56.88
135.0	40.72	40.63	59.41	60.05	60.34	60.85	61.18	61.77	61.84	62.40
138.0	45.29	45.18	64.80	65.45	65.75	66.25	66.57	67.15	67.23	67.73
141.0	49.33	49.23	69.97	70.55	70.87	71.32	71.67	72.19	72.28	72.70
144.0	53.14	53.06	74.79	75.32	75.59	76.01	76.30	76.81	76.89	77.33
147.0	56.72	56.63	79.39	79.87	80.15	80.53	80.77	81.29	81.43	81.76
150.0	60.55	60.42	83.88	84.38	84.58	84.92	85.24	85.70	85.85	86.13
153.0	64.71	64.59	88.41	88.87	88.96	89.45	89.75	90.13	90.28	90.57
156.0	68.98	68.84	92.81	93.28	93.50	93.87	94.16	94.53	94.68	94.96
159.0	73.82	73.71	97.32	97.80	98.03	98.40	98.63	99.00	99.09	99.34
162.0	78.99	78.83	101.7	102.1	102.4	102.7	102.9	103.2	103.2	103.5
165.0	84.34	84.20	105.7	106.1	106.3	106.6	106.7	106.9	107.1	107.3
168.0	90.35	90.22	109.2	109.6	109.8	110.0	110.2	110.3	110.3	110.4
171.0	96.12	96.02	112.0	112.3	112.5	112.6	112.7	112.7	112.7	112.7
174.0	103.7	103.6	113.6	113.7	113.8	113.8	113.9	113.8	113.8	113.7
177.0	108.2	108.1	113.9	114.0	114.0	114.0	113.9	113.8	113.7	113.5
180.0	111.5	111.2	113.2	113.2	113.3	113.1	112.9	112.6	112.6	112.3
G/C	300.0	315.0	330.0	345.0						
0.0	12320	12320	12320	12320						
3.0	12351	12349	12347	12345						
6.0	12402	12397	12390	12380						
9.0	12460	12449	12437	12425						
12.0	12513	12500	12486	12472						
15.0	12551	12536	12523	12511						
18.0	12562	12545	12533	12524						
21.0	12516	12499	12495	12492						
24.0	12386	12362	12369	12375						
27.0	12117	12084	12109	12123						
30.0	11644	11606	11648	11670						
33.0	10921	10870	10935	10953						
36.0	9894	9822	9909	9906						
39.0	8521	8425	8515	8484						
42.0	6745	6621	6730	6680						
45.0	4756	4621	4716	4621						
48.0	2981	2887	2911	2851						
51.0	1801	1806	1753	1772						
54.0	1151	1116	1116	1093						
57.0	808.2	787.4	782.8	767.9						
60.0	618.0	602.9	597.4	587.6						
63.0	499.4	488.1	483.9	473.3						
66.0	408.0	401.5	392.0	385.8						

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks:

Photometric Data Table [cd]

69.0	318.3	312.2	304.0	296.6
72.0	235.1	227.0	222.4	213.3
75.0	140.6	133.0	130.8	122.9
78.0	61.75	58.99	58.16	51.80
81.0	7.279	6.530	6.364	5.924
84.0	2.383	2.443	2.398	2.447
87.0	2.838	2.923	2.896	2.951
90.0	3.691	3.842	3.805	3.887
93.0	5.452	5.663	5.601	5.717
96.0	7.954	8.194	8.127	8.251
99.0	10.88	11.14	11.07	11.19
102.0	13.94	14.19	14.11	14.24
105.0	17.06	17.33	17.23	17.36
108.0	20.28	20.52	20.44	20.58
111.0	23.65	23.92	23.83	23.96
114.0	27.30	27.59	27.47	27.62
117.0	31.24	31.56	31.43	31.57
120.0	35.65	35.91	35.83	35.95
123.0	40.48	40.79	40.68	40.80
126.0	45.75	46.02	45.97	46.08
129.0	51.28	51.52	51.47	51.55
132.0	56.89	57.10	57.04	57.11
135.0	62.42	62.59	62.53	62.56
138.0	67.75	67.86	67.77	67.74
141.0	72.72	72.74	72.71	72.68
144.0	77.36	77.38	77.27	77.24
147.0	81.79	81.77	81.65	81.56
150.0	86.12	86.12	85.96	85.83
153.0	90.53	90.51	90.37	90.18
156.0	94.90	94.89	94.66	94.38
159.0	99.20	99.18	99.02	98.80
162.0	103.4	103.3	103.3	103.0
165.0	107.3	107.1	107.0	106.7
168.0	110.4	110.2	110.1	109.9
171.0	112.6	112.4	112.4	112.2
174.0	113.6	113.4	113.3	113.0
177.0	113.4	113.1	112.9	112.5
180.0	112.0	111.7	111.5	111.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:53.0%
Test Distance:10.380m [K=1.0000]
Remarks: