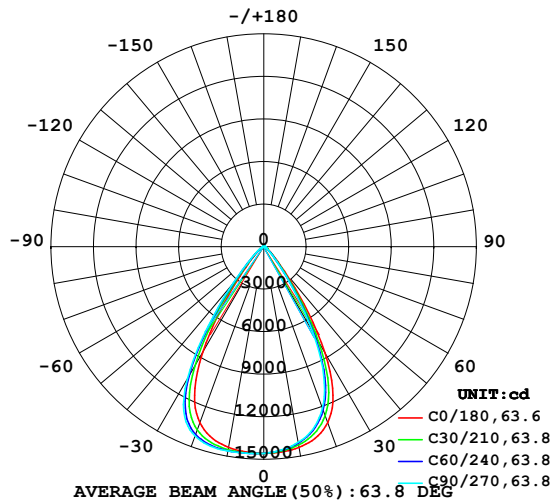


LUMINAIRE PHOTOMETRIC TEST REPORT

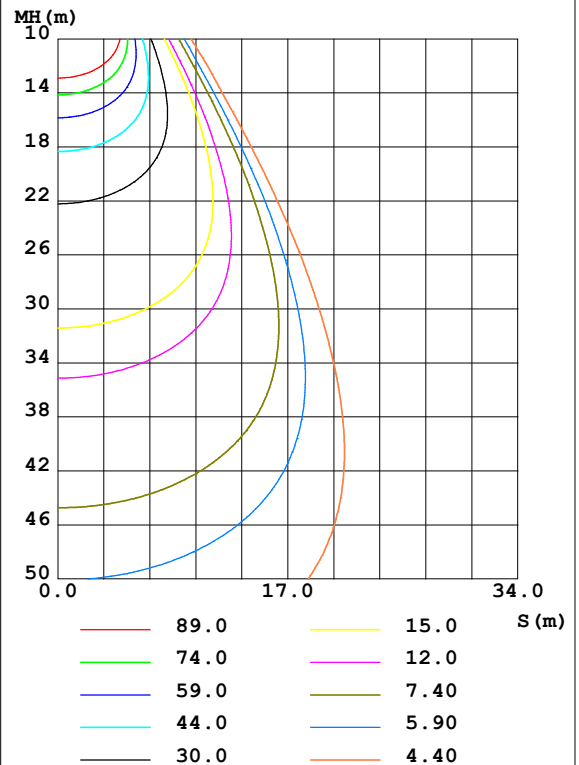
Test:U:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.94 lm/W			
MODEL		I _{max} (cd)	14635	S/MH (C0/180)	0.93
NOMINAL POWER (W)	100	LOR (%)	100.0	S/MH (C90/270)	1.00
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	15498	η UP, DN (C0-180)	0.4, 45.0
NOMINAL FLUX (lm)	15497.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.6, 54.0
LAMPS INSIDE	1	η up (%)	1.0	CIBSE SHR NOM	0.75
TEST VOLTAGE (V)	230	η down (%)	99.0	CIBSE SHR MAX	0.95

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	1437	1413	1402	1413	1437	1458	1464	1458	0- 10	1381	1381	8.91,8.91
20	1320	1247	1211	1247	1320	1392	1421	1392	10- 20	3925	5306	34.2,34.2
30	863.7	746.4	687.7	746.4	863.7	1008	1082	1008	20- 30	5214	10520	67.9,67.9
40	228.4	185.1	171.1	185.1	228.4	293.3	333.8	293.3	30- 40	3232	13752	88.7,88.7
50	62.95	54.44	50.39	54.44	62.95	74.58	81.56	74.58	40- 50	979.4	14731	95.1,95.1
60	24.97	23.07	22.63	23.07	24.97	28.06	29.91	28.06	50- 60	364.8	15096	97.4,97.4
70	11.59	11.52	11.36	11.52	11.59	11.87	12.24	11.87	60- 70	178.1	15274	98.6,98.6
80	1.172	1.113	0.8951	1.113	1.172	1.079	1.188	1.079	70- 80	63.15	15337	99,99
90	0.0990	0.0654	0.0676	0.0654	0.0990	0.1209	0.1161	0.1209	80- 90	2.403	15340	99,99
100	0.2378	0.1380	0.1477	0.1380	0.2378	0.2887	0.2670	0.2887	90-100	1.544	15341	99,99
110	0.7380	0.4034	0.4402	0.4034	0.7380	0.9294	0.8560	0.9294	100-110	4.245	15345	99,99
120	1.580	1.097	1.177	1.097	1.580	1.988	1.889	1.988	110-120	10.72	15356	99.1,99.1
130	2.756	2.246	2.369	2.246	2.756	3.251	3.122	3.251	120-130	18.89	15375	99.2,99.2
140	4.357	3.749	3.898	3.749	4.357	4.944	4.777	4.944	130-140	27.07	15402	99.4,99.4
150	6.072	5.318	5.456	5.318	6.072	6.875	6.707	6.875	140-150	32.65	15435	99.6,99.6
160	7.395	6.660	6.770	6.660	7.395	8.363	8.229	8.363	150-160	31.35	15466	99.8,99.8
170	8.610	8.165	8.249	8.165	8.610	9.388	9.377	9.388	160-170	22.93	15489	99.9,99.9
180	9.328	9.472	9.472	9.472	9.328	9.466	9.483	9.466	170-180	8.690	15498	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

Conical surface Flux(90deg): 14378 lm

%lum = 92.8%

%lamp = 92.8%

Conical surface Flux(120deg): 15096 lm

%lum = 97.4%

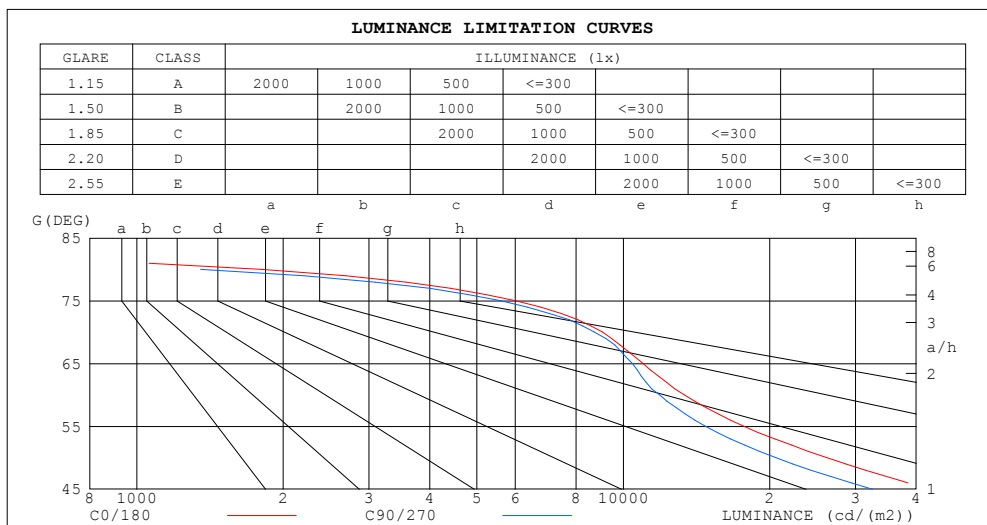
%lamp = 97.4%

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效TYPE:	WEIGHT:	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	271	189
80	1805	1353
75	6009	5599
70	9062	8714
65	10976	10434
60	13349	11876
55	17694	14755
50	26181	20570
45	42790	32544

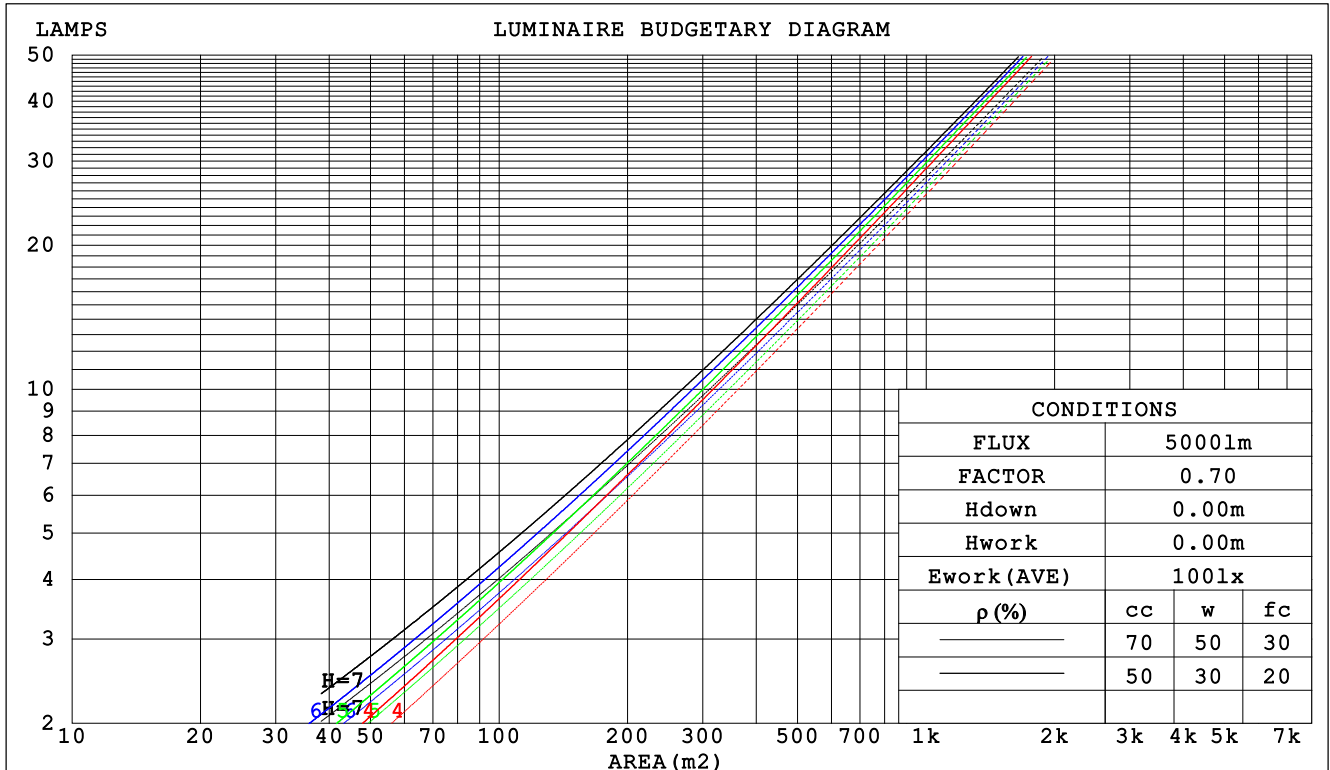
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 19 May 2018

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效TYPE:	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	.187	.106	.034	.180	.102	.033	.166	.095	.030	.154	.089	.029	.143	.083	.027		
2.0	.179	.098	.030	.173	.096	.029	.162	.090	.028	.152	.085	.027	.142	.080	.025		
3.0	.171	.091	.027	.166	.089	.027	.156	.085	.026	.147	.081	.025	.139	.077	.024		
4.0	.163	.085	.025	.158	.083	.024	.150	.079	.024	.142	.076	.023	.135	.073	.022		
5.0	.155	.079	.023	.151	.078	.023	.144	.075	.022	.137	.072	.021	.130	.070	.021		
6.0	.148	.074	.021	.144	.073	.021	.138	.071	.021	.132	.068	.020	.126	.066	.020		
7.0	.141	.070	.020	.138	.069	.020	.132	.067	.019	.127	.065	.019	.121	.063	.019		
8.0	.135	.066	.019	.132	.065	.018	.127	.063	.018	.122	.062	.018	.117	.060	.018		
9.0	.129	.062	.017	.126	.062	.017	.122	.060	.017	.117	.059	.017	.113	.057	.017		
10.0	.124	.059	.016	.121	.059	.016	.117	.057	.016	.113	.056	.016	.109	.055	.016		

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	.180	.165	.152	.154	.142	.131	.105	.097	.090	.061	.056	.053	.019	.018	.017	
2.0	.165	.140	.119	.141	.121	.103	.097	.084	.072	.056	.049	.042	.018	.016	.014	
3.0	.153	.122	.096	.131	.105	.083	.090	.073	.059	.052	.043	.034	.017	.014	.011	
4.0	.144	.107	.079	.123	.092	.069	.085	.064	.048	.049	.038	.029	.016	.012	.009	
5.0	.135	.096	.066	.116	.083	.058	.080	.058	.041	.046	.034	.024	.015	.011	.008	
6.0	.128	.086	.057	.110	.075	.049	.076	.052	.035	.044	.031	.021	.014	.010	.007	
7.0	.122	.079	.049	.105	.068	.043	.072	.048	.030	.042	.028	.018	.014	.009	.006	
8.0	.116	.073	.043	.100	.063	.038	.069	.044	.027	.040	.026	.016	.013	.009	.005	
9.0	.111	.068	.039	.096	.059	.034	.066	.041	.024	.039	.024	.014	.012	.008	.005	
10.0	.106	.063	.035	.092	.055	.030	.064	.039	.022	.037	.023	.013	.012	.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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm										
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效TYPE:								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					Viewed endwise				
x = 2H y = 2H	11.7	12.7	11.9	12.9	13.1	10.5	11.5	10.7	11.6	11.8
3H	11.7	12.6	12.0	12.8	13.1	10.5	11.4	10.8	11.7	11.9
4H	11.7	12.5	12.0	12.8	13.0	10.5	11.4	10.8	11.6	11.9
6H	11.6	12.4	11.9	12.7	12.9	10.4	11.2	10.7	11.5	11.8
8H	11.5	12.3	11.9	12.6	12.9	10.4	11.2	10.7	11.4	11.7
12H	11.5	12.2	11.8	12.5	12.8	10.3	11.1	10.7	11.4	11.7
4H 2H	11.5	12.4	11.8	12.6	12.9	10.4	11.2	10.6	11.5	11.7
3H	11.6	12.3	11.9	12.6	12.9	10.5	11.2	10.8	11.5	11.8
4H	11.6	12.2	11.9	12.6	12.9	10.5	11.2	10.9	11.5	11.8
6H	11.5	12.1	11.9	12.4	12.8	10.4	11.0	10.8	11.4	11.7
8H	11.5	12.0	11.9	12.4	12.8	10.4	10.9	10.8	11.3	11.7
12H	11.4	11.9	11.8	12.3	12.7	10.3	10.8	10.7	11.2	11.6
8H 4H	11.5	12.0	11.9	12.4	12.8	10.4	10.9	10.8	11.3	11.7
6H	11.4	11.8	11.8	12.2	12.7	10.3	10.8	10.8	11.2	11.6
8H	11.3	11.7	11.8	12.2	12.6	10.3	10.7	10.7	11.1	11.6
12H	11.3	11.6	11.8	12.1	12.6	10.2	10.5	10.7	11.0	11.5
12H 4H	11.4	11.9	11.8	12.3	12.7	10.3	10.8	10.8	11.2	11.6
6H	11.3	11.7	11.8	12.2	12.6	10.3	10.7	10.7	11.1	11.6
8H	11.3	11.6	11.8	12.1	12.6	10.2	10.5	10.7	11.0	11.5
Variations with the observer position at spacings:										
S = 1.0H	+ 3.2 / - 4.4					+ 2.3 / - 3.6				
1.5H	+ 5.0 / - 3.9					+ 3.9 / - 3.0				
2.0H	+ 4.0 / - 2.4					+ 3.0 / - 1.8				

CIE Pub.117, 15498 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 9.5)

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:

UTILIZATION FACTORS TABLE

Test:U:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

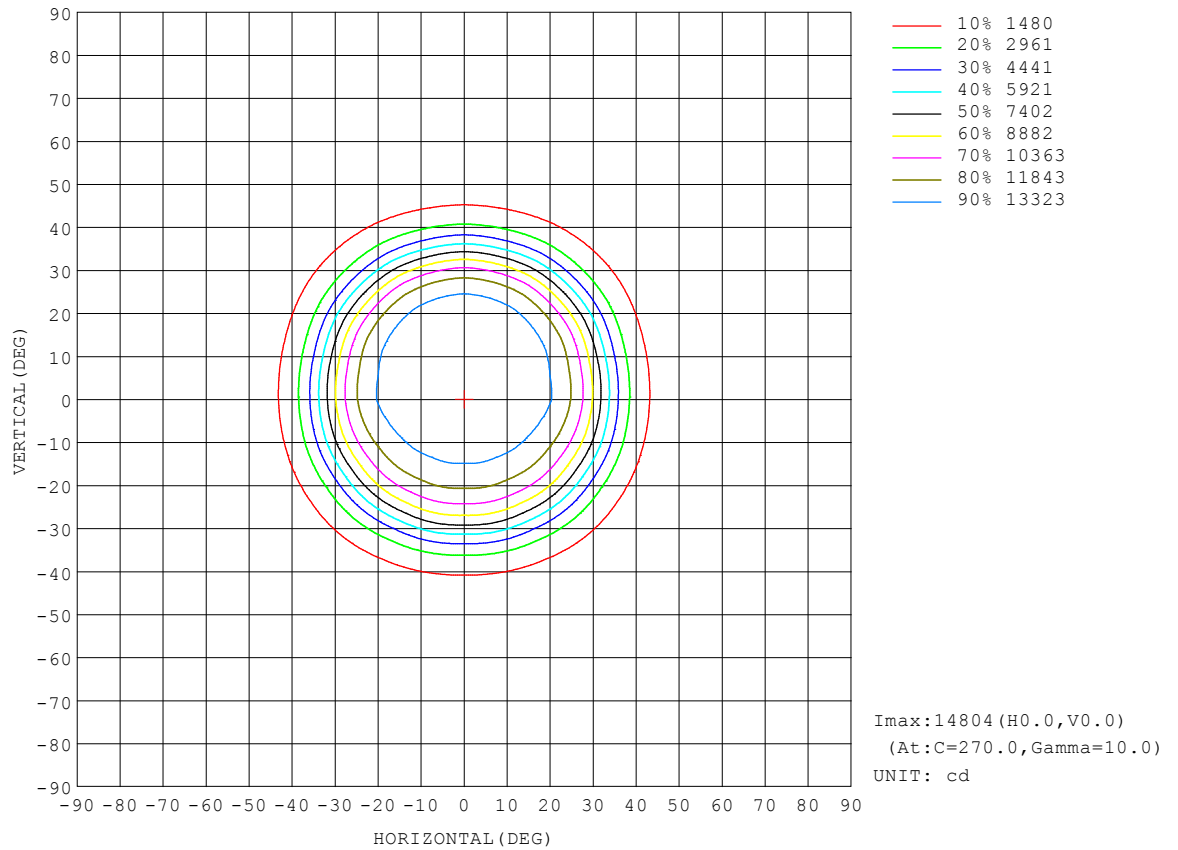
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	78	74	84	77	74	83	77	73	70
0.80	92	86	82	92	86	82	90	85	81	77
1.00	97	91	87	96	91	87	94	90	86	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	100	106	102	99	103	100	97	91
2.50	109	105	102	107	104	101	104	101	99	93
3.00	111	107	104	109	106	103	105	103	101	94
4.00	113	110	108	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

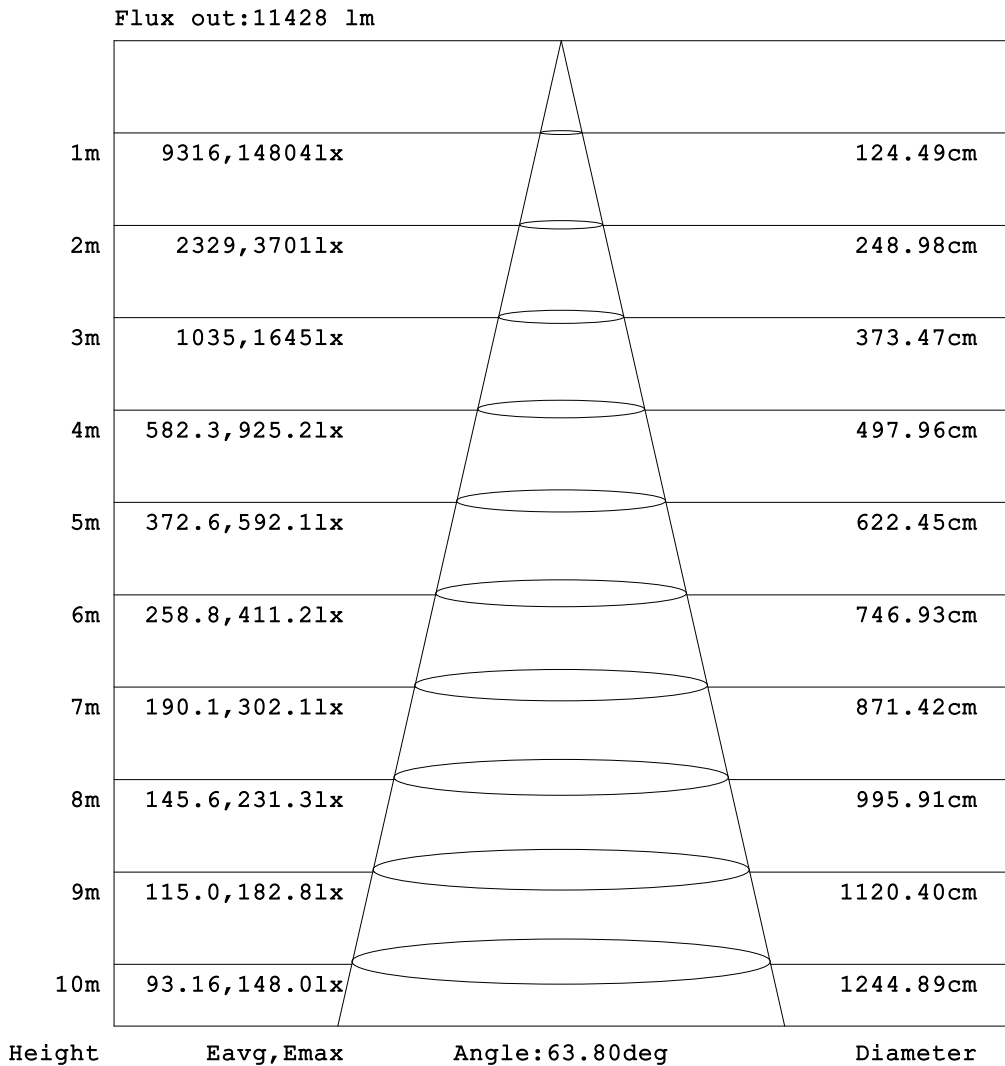


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



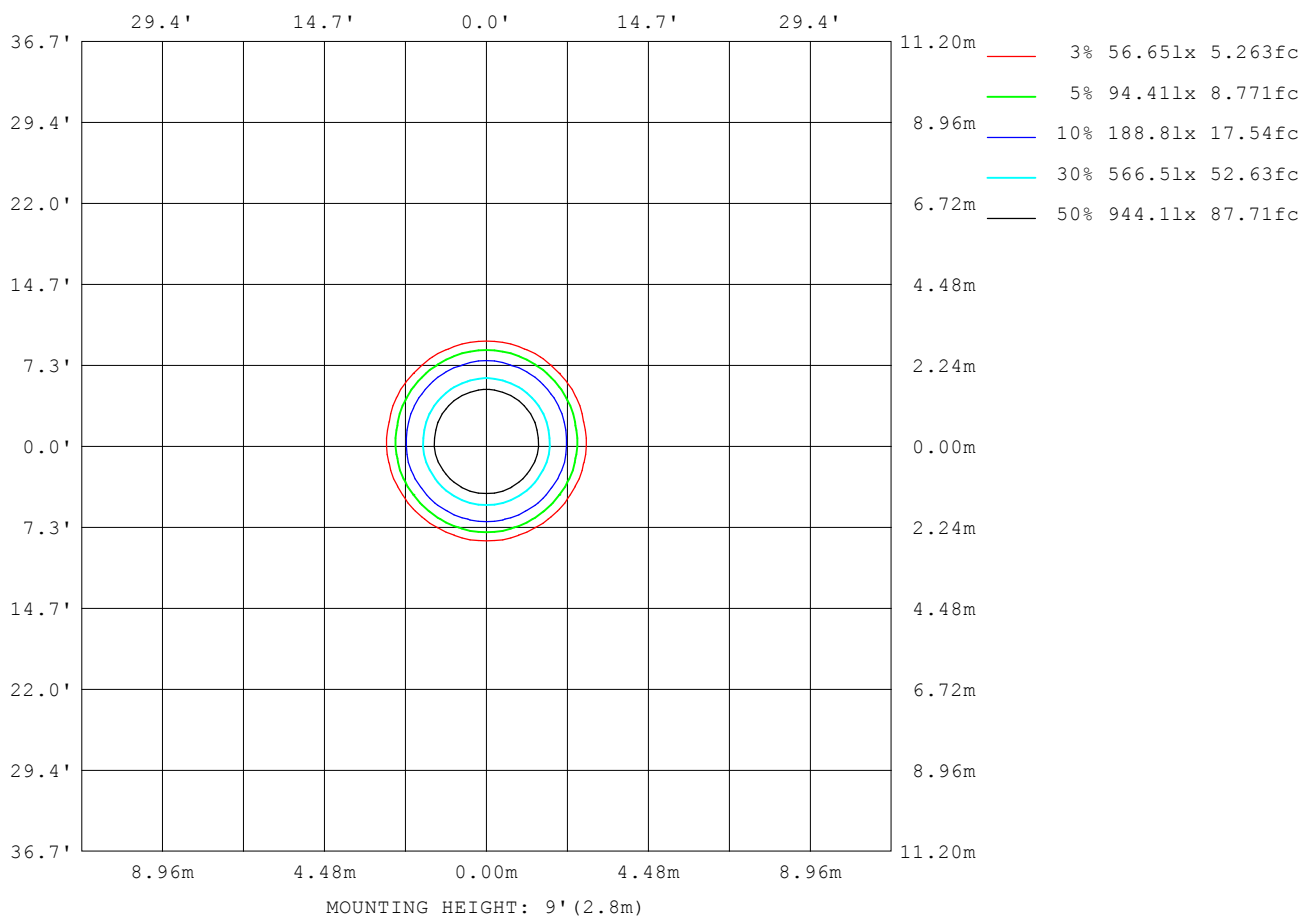
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°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:

LED Avg.L Report

Test:U:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

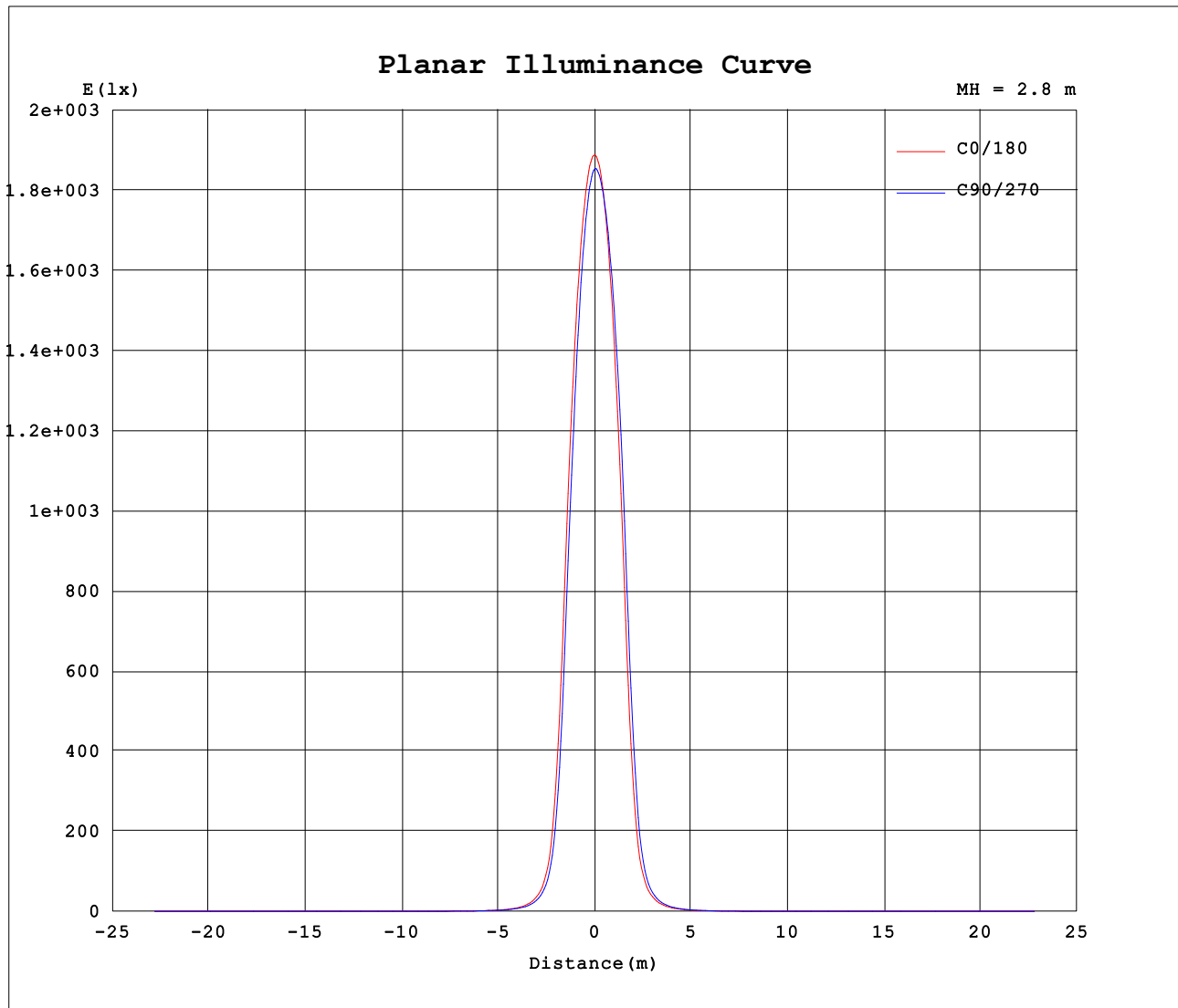
AvgL	cd/m2
L_0~180 (65) av	10805
L_0~180 (75) av	5915
L_0~180 (85) av	267
L_90~270 (65) av	11334
L_90~270 (75) av	5927
L_90~270 (85) av	242
L_45 (65) av	11028
L_45 (75) av	5908
L_45 (85) av	247

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	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	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457	1457
5	1453	1451	1447	1444	1441	1440	1439	1440	1441	1444	1447	1451	1453	1456	1459	1460	1461	1461	1462
10	1437	1430	1420	1413	1406	1404	1402	1404	1406	1413	1420	1430	1437	1445	1453	1458	1462	1463	1464
15	1399	1386	1367	1355	1343	1339	1334	1339	1343	1355	1367	1386	1399	1415	1430	1441	1450	1454	1456
20	1320	1298	1266	1247	1225	1219	1211	1219	1225	1247	1266	1298	1320	1347	1374	1392	1409	1416	1421
25	1157	1129	1081	1053	1022	1015	1003	1015	1022	1053	1081	1129	1157	1197	1244	1272	1302	1312	1323
30	864	834	775	746	709	704	688	704	709	746	775	834	864	910	974	1008	1053	1063	1082
35	496	474	425	403	376	371	360	371	376	403	425	474	496	529	590	616	659	666	686
40	228	218	198	185	177	171	171	171	177	185	198	218	228	246	277	293	317	322	334
45	113	109	99.9	95.7	90.7	89.9	87.7	89.9	90.7	95.7	99.9	109	113	120	132	138	147	149	153
50	62.9	61.0	56.5	54.4	51.8	51.5	50.4	51.5	51.8	54.4	56.5	61.0	62.9	66.2	71.9	74.6	78.8	79.5	81.6
55	38.0	36.9	34.9	33.8	32.8	32.5	32.3	32.5	32.8	33.8	34.9	36.9	38.0	39.7	42.6	43.8	46.5	46.4	48.1
60	25.0	24.5	23.6	23.1	22.8	22.6	22.6	22.6	22.8	23.1	23.6	24.5	25.0	25.9	27.2	28.1	29.1	29.5	29.9
65	17.4	17.3	16.9	16.8	16.6	16.7	16.8	16.7	16.6	16.8	16.9	17.3	17.4	17.6	18.5	18.6	19.1	19.3	19.6
70	11.6	11.6	11.4	11.5	11.4	11.4	11.4	11.4	11.4	11.5	11.4	11.6	11.6	11.6	12.0	11.9	12.1	12.1	12.2
75	5.82	5.87	5.64	5.72	5.51	5.61	5.52	5.61	5.51	5.72	5.64	5.87	5.82	5.65	5.96	5.90	6.03	6.01	6.14
80	1.17	1.23	1.07	1.11	0.96	0.99	0.90	0.99	0.96	1.11	1.07	1.23	1.17	0.99	1.12	1.08	1.19	1.11	1.19
85	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.09	0.11	0.10	0.10	0.10	0.10	0.10
90	0.10	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.10	0.13	0.12	0.12	0.12	0.12	0.12
95	0.14	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.14	0.19	0.18	0.18	0.17	0.17	0.17
100	0.24	0.13	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.24	0.32	0.30	0.29	0.27	0.27
105	0.43	0.21	0.22	0.23	0.24	0.24	0.25	0.24	0.24	0.23	0.22	0.21	0.43	0.59	0.54	0.52	0.49	0.49	0.47
110	0.74	0.36	0.39	0.40	0.43	0.43	0.44	0.43	0.43	0.40	0.39	0.36	0.74	1.04	0.96	0.93	0.88	0.88	0.86
115	1.13	0.62	0.67	0.69	0.73	0.73	0.75	0.73	0.73	0.69	0.67	0.62	1.13	1.58	1.49	1.44	1.39	1.38	1.35
120	1.58	0.99	1.06	1.10	1.15	1.16	1.18	1.16	1.15	1.10	1.06	0.99	1.58	2.14	2.04	1.99	1.93	1.91	1.89
125	2.12	1.48	1.57	1.62	1.68	1.69	1.72	1.69	1.68	1.62	1.57	1.48	2.12	2.74	2.64	2.58	2.51	2.50	2.47
130	2.76	2.08	2.19	2.25	2.32	2.34	2.37	2.34	2.32	2.25	2.19	2.08	2.76	3.44	3.31	3.25	3.17	3.15	3.12
135	3.51	2.77	2.90	2.97	3.05	3.07	3.11	3.07	3.05	2.97	2.90	2.77	3.51	4.25	4.11	4.03	3.94	3.92	3.89
140	4.36	3.53	3.67	3.75	3.84	3.86	3.90	3.86	3.84	3.75	3.67	3.53	4.36	5.19	5.03	4.94	4.84	4.82	4.78
145	5.24	4.33	4.47	4.55	4.64	4.67	4.70	4.67	4.64	4.55	4.47	4.33	5.24	6.18	6.02	5.93	5.83	5.79	5.76
150	6.07	5.11	5.24	5.32	5.40	5.43	5.46	5.43	5.40	5.32	5.24	5.11	6.07	7.12	6.97	6.88	6.78	6.74	6.71
155	6.76	5.81	5.92	5.99	6.06	6.09	6.11	6.09	6.06	5.99	5.92	5.81	6.76	7.88	7.77	7.68	7.59	7.54	7.52
160	7.40	6.49	6.59	6.66	6.72	6.75	6.77	6.75	6.72	6.66	6.59	6.49	7.40	8.53	8.44	8.36	8.29	8.25	8.23
165	8.02	7.23	7.33	7.40	7.45	7.48	7.50	7.48	7.45	7.40	7.33	7.23	8.02	9.07	9.01	8.96	8.91	8.88	8.87
170	8.61	8.03	8.11	8.17	8.21	8.24	8.25	8.24	8.21	8.17	8.11	8.03	8.61	9.46	9.43	9.39	9.38	9.37	9.38
175	9.12	9.00	9.04	9.08	9.11	9.13	9.14	9.13	9.11	9.08	9.04	9.00	9.12	9.52	9.53	9.52	9.53	9.52	9.55
180	9.33	9.43	9.44	9.47	9.49	9.51	9.47	9.51	9.49	9.47	9.44	9.43	9.33	9.42	9.46	9.47	9.51	9.50	9.48

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:231.5V I:0.4475A P:102.0W PF:0.9847 Freq:49.99Hz Lamp Flux:15497.7x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-60°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1457	1457	1457	1457	1457														
5	1461	1461	1460	1459	1456														
10	1463	1462	1458	1453	1445														
15	1454	1450	1441	1430	1415														
20	1416	1409	1392	1374	1347														
25	1312	1302	1272	1244	1197														
30	1063	1053	1008	974	910														
35	666	659	616	590	529														
40	322	317	293	277	246														
45	149	147	138	132	120														
50	79.5	78.8	74.6	71.9	66.2														
55	46.4	46.5	43.8	42.6	39.7														
60	29.5	29.1	28.1	27.2	25.9														
65	19.3	19.1	18.6	18.5	17.6														
70	12.1	12.1	11.9	12.0	11.6														
75	6.01	6.03	5.90	5.96	5.65														
80	1.11	1.19	1.08	1.12	0.99														
85	0.10	0.10	0.10	0.10	0.11														
90	0.12	0.12	0.12	0.12	0.13														
95	0.17	0.17	0.18	0.18	0.19														
100	0.27	0.27	0.29	0.30	0.32														
105	0.49	0.49	0.52	0.54	0.59														
110	0.88	0.88	0.93	0.96	1.04														
115	1.38	1.39	1.44	1.49	1.58														
120	1.91	1.93	1.99	2.04	2.14														
125	2.50	2.51	2.58	2.64	2.74														
130	3.15	3.17	3.25	3.31	3.44														
135	3.92	3.94	4.03	4.11	4.25														
140	4.82	4.84	4.94	5.03	5.19														
145	5.79	5.83	5.93	6.02	6.18														
150	6.74	6.78	6.88	6.97	7.12														
155	7.54	7.59	7.68	7.77	7.88														
160	8.25	8.29	8.36	8.44	8.53														
165	8.88	8.91	8.96	9.01	9.07														
170	9.37	9.38	9.39	9.43	9.46														
175	9.52	9.53	9.52	9.53	9.52														
180	9.50	9.51	9.47	9.46	9.42														

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	14572	14572	14572	14572	14572	14572	14572	14572	14572	14572
3.0	14559	14544	14524	14508	14494	14489	14482	14489	14494	14508
6.0	14511	14478	14427	14393	14357	14345	14332	14345	14357	14393
9.0	14415	14353	14269	14210	14151	14132	14112	14132	14151	14210
12.0	14247	14155	14028	13944	13856	13827	13796	13827	13856	13944
15.0	13989	13857	13672	13552	13426	13387	13339	13387	13426	13552
18.0	13587	13408	13149	12985	12806	12752	12687	12752	12806	12985
21.0	12956	12726	12377	12163	11925	11860	11773	11860	11925	12163
24.0	11986	11715	11265	11006	10709	10642	10528	10642	10709	11006
27.0	10564	10262	9721	9439	9091	9027	8882	9027	9091	9439
30.0	8637	8339	7750	7464	7091	7038	6877	7038	7091	7464
33.0	6389	6144	5576	5344	4991	4986	4802	4986	4991	5344
36.0	4274	4103	3654	3460	3221	3182	3080	3182	3221	3460
39.0	2675	2543	2306	2153	2042	1982	1977	1982	2042	2153
42.0	1715	1614	1464	1394	1313	1300	1267	1300	1313	1394
45.0	1132	1089	999.1	957.5	907.0	899.4	876.9	899.4	907.0	957.5
48.0	790.0	762.9	703.8	675.7	641.2	635.5	620.9	635.5	641.2	675.7
51.0	565.2	548.5	508.6	494.2	468.6	471.3	457.3	471.3	468.6	494.2
54.0	416.6	408.0	382.0	368.1	356.5	352.7	350.1	352.7	356.5	368.1
57.0	318.9	310.6	296.4	287.6	281.1	278.8	278.0	278.8	281.1	287.6
60.0	249.7	244.6	236.0	230.7	228.1	225.7	226.3	225.7	228.1	230.7
63.0	200.8	198.2	192.0	190.3	187.6	188.1	188.6	188.1	187.6	190.3
66.0	161.3	161.2	157.4	157.5	155.6	156.7	157.3	156.7	155.6	157.5
69.0	126.8	127.5	125.3	126.2	124.8	125.7	125.8	125.7	124.8	126.2
72.0	93.10	93.58	90.94	92.26	90.93	91.74	91.09	91.74	90.93	92.26
75.0	58.17	58.71	56.45	57.25	55.12	56.06	55.22	56.06	55.12	57.25
78.0	27.82	28.57	26.43	27.29	25.56	25.81	24.46	25.81	25.56	27.29
81.0	6.200	6.427	5.735	5.707	4.828	4.775	4.349	4.775	4.828	5.707
84.0	1.259	1.086	1.015	0.9789	0.8919	0.8855	0.8050	0.8855	0.8919	0.9789
87.0	0.8799	0.6004	0.6417	0.6128	0.6462	0.6169	0.6465	0.6169	0.6462	0.6128
90.0	0.9901	0.6339	0.6672	0.6535	0.6759	0.6580	0.6765	0.6580	0.6759	0.6535
93.0	1.220	0.7534	0.7848	0.7878	0.8195	0.8035	0.8244	0.8035	0.8195	0.7878
96.0	1.574	0.9202	0.9738	0.9818	1.021	1.013	1.024	1.013	1.021	0.9818
99.0	2.120	1.169	1.237	1.261	1.313	1.307	1.349	1.307	1.313	1.261
102.0	2.994	1.527	1.641	1.659	1.757	1.745	1.794	1.745	1.757	1.659
105.0	4.297	2.068	2.234	2.293	2.422	2.422	2.489	2.422	2.422	2.293
108.0	6.033	2.865	3.107	3.210	3.391	3.402	3.491	3.402	3.391	3.210
111.0	8.097	4.005	4.350	4.511	4.757	4.788	4.907	4.788	4.757	4.511
114.0	10.44	5.549	6.019	6.226	6.571	6.605	6.773	6.605	6.571	6.226
117.0	12.99	7.518	8.092	8.390	8.801	8.880	9.051	8.880	8.801	8.390
120.0	15.80	9.904	10.60	10.97	11.45	11.55	11.77	11.55	11.45	10.97
123.0	18.91	12.69	13.52	13.97	14.53	14.66	14.90	14.66	14.53	13.97
126.0	22.37	15.91	16.85	17.37	18.00	18.14	18.42	18.14	18.00	17.37
129.0	26.19	19.50	20.53	21.14	21.84	22.01	22.32	22.01	21.84	21.14
132.0	30.44	23.45	24.60	25.25	26.03	26.22	26.55	26.22	26.03	25.25
135.0	35.10	27.75	28.97	29.70	30.52	30.74	31.06	30.74	30.52	29.70
138.0	40.11	32.27	33.56	34.36	35.20	35.48	35.78	35.48	35.20	34.36
141.0	45.32	36.94	38.28	39.11	39.99	40.26	40.59	40.26	39.99	39.11
144.0	50.64	41.71	43.08	43.94	44.81	45.13	45.46	45.13	44.81	43.94
147.0	55.83	46.44	47.78	48.63	49.49	49.79	50.10	49.79	49.49	48.63
150.0	60.72	51.08	52.35	53.18	53.97	54.29	54.56	54.29	53.97	53.18
153.0	65.05	55.47	56.64	57.43	58.17	58.46	58.71	58.46	58.17	57.43
156.0	68.89	59.35	60.42	61.17	61.82	62.12	62.31	62.12	61.82	61.17
159.0	72.72	63.44	64.50	65.20	65.84	66.11	66.33	66.11	65.84	65.20
162.0	76.54	67.82	68.83	69.54	70.15	70.41	70.62	70.41	70.15	69.54
165.0	80.18	72.34	73.28	73.97	74.52	74.79	74.97	74.79	74.52	73.97
168.0	83.97	77.34	78.16	78.80	79.28	79.56	79.70	79.56	79.28	78.80
171.0	86.95	81.75	82.41	83.00	83.38	83.64	83.75	83.64	83.38	83.00
174.0	90.30	88.17	88.51	88.99	89.52	89.78	89.87	89.78	89.52	88.99
177.0	92.12	91.99	92.29	92.62	92.79	92.98	92.98	92.98	92.79	92.62
180.0	93.28	94.31	94.37	94.72	94.94	95.12	94.72	95.12	94.94	94.72
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	14572	14572	14572	14572	14572	14572	14572	14572	14572	14572
3.0	14524	14544	14559	14575	14588	14596	14603	14604	14607	14604
6.0	14427	14478	14511	14552	14586	14603	14616	14619	14622	14619
9.0	14269	14353	14415	14487	14553	14590	14621	14629	14634	14629
12.0	14028	14155	14247	14361	14468	14534	14593	14615	14628	14615
15.0	13672	13857	13989	14148	14302	14405	14498	14536	14559	14536
18.0	13149	13408	13587	13805	14027	14169	14301	14358	14395	14358
21.0	12377	12726	12956	13249	13563	13755	13944	14022	14082	14022
24.0	11265	11715	11986	12360	12792	13047	13317	13416	13507	13416
27.0	9721	10262	10564	11001	11559	11874	12236	12351	12493	12351
30.0	7750	8339	8637	9096	9736	10083	10532	10633	10818	10633

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	5576	6144	6389	6799	7445	7770	8230	8321	8525	8321
36.0	3654	4103	4274	4595	5182	5398	5820	5867	6056	5867
39.0	2306	2543	2675	2890	3258	3447	3725	3787	3919	3787
42.0	1464	1614	1715	1861	2023	2156	2293	2326	2407	2326
45.0	999.1	1089	1132	1201	1321	1379	1469	1486	1527	1486
48.0	703.8	762.9	790.0	833.9	909.6	945.4	1000	1011	1036	1011
51.0	508.6	548.5	565.2	593.1	642.1	664.9	702.6	709.2	727.3	709.2
54.0	382.0	408.0	416.6	436.5	473.5	483.7	511.5	513.6	526.3	513.6
57.0	296.4	310.6	318.9	332.0	351.6	363.6	378.3	384.0	390.2	384.0
60.0	236.0	244.6	249.7	258.9	272.2	280.6	290.6	294.6	299.1	294.6
63.0	192.0	198.2	200.8	206.0	214.6	219.9	225.2	229.2	231.4	229.2
66.0	157.4	161.2	161.3	163.1	170.2	171.1	176.0	176.6	179.4	176.6
69.0	125.3	127.5	126.8	127.2	131.7	131.4	133.7	133.5	135.5	133.5
72.0	90.94	93.58	93.10	92.16	95.62	94.34	95.77	95.43	96.95	95.43
75.0	56.45	58.71	58.17	56.47	59.61	58.96	60.31	60.14	61.36	60.14
78.0	26.43	28.57	27.82	25.53	27.92	28.02	29.48	28.97	29.82	28.97
81.0	5.735	6.427	6.200	5.360	6.140	5.671	5.786	5.336	5.562	5.336
84.0	1.015	1.086	1.259	1.337	1.378	1.350	1.310	1.267	1.312	1.267
87.0	0.6417	0.6004	0.8799	1.107	1.073	1.072	1.045	1.051	1.033	1.051
90.0	0.6672	0.6339	0.9901	1.279	1.227	1.209	1.179	1.178	1.161	1.178
93.0	0.7848	0.7534	1.220	1.612	1.522	1.509	1.447	1.455	1.421	1.455
96.0	0.9738	0.9202	1.574	2.111	1.975	1.946	1.860	1.867	1.824	1.867
99.0	1.237	1.169	2.120	2.865	2.656	2.601	2.474	2.484	2.414	2.484
102.0	1.641	1.527	2.994	4.077	3.736	3.622	3.416	3.414	3.320	3.414
105.0	2.234	2.068	4.297	5.925	5.409	5.220	4.913	4.892	4.744	4.892
108.0	3.107	2.865	6.033	8.442	7.771	7.471	7.072	7.007	6.837	7.007
111.0	4.350	4.005	8.097	11.46	10.64	10.26	9.778	9.708	9.501	9.708
114.0	6.019	5.549	10.44	14.70	13.80	13.37	12.82	12.72	12.49	12.72
117.0	8.092	7.518	12.99	17.99	17.05	16.58	15.99	15.88	15.66	15.88
120.0	10.60	9.904	15.80	21.37	20.39	19.88	19.27	19.14	18.89	19.14
123.0	13.52	12.69	18.91	24.93	23.91	23.36	22.72	22.56	22.31	22.56
126.0	16.85	15.91	22.37	28.73	27.64	27.06	26.37	26.20	25.93	26.20
129.0	20.53	19.50	26.19	32.88	31.71	31.07	30.32	30.14	29.82	30.14
132.0	24.60	23.45	30.44	37.45	36.17	35.48	34.66	34.44	34.14	34.44
135.0	28.97	27.75	35.10	42.50	41.10	40.33	39.44	39.20	38.86	39.20
138.0	33.56	32.27	40.11	48.04	46.52	45.67	44.69	44.45	44.07	44.45
141.0	38.28	36.94	45.32	53.89	52.29	51.38	50.35	50.09	49.69	50.09
144.0	43.08	41.71	50.64	59.86	58.23	57.31	56.26	55.97	55.60	55.97
147.0	47.78	46.44	55.83	65.71	64.16	63.20	62.18	61.85	61.50	61.85
150.0	52.35	51.08	60.72	71.17	69.67	68.75	67.79	67.40	67.07	67.40
153.0	56.64	55.47	65.05	75.87	74.61	73.84	72.84	72.40	72.12	72.40
156.0	60.42	59.35	68.89	80.24	79.12	78.21	77.38	76.89	76.66	76.89
159.0	64.50	63.44	72.72	84.05	83.10	82.36	81.62	81.16	80.85	81.16
162.0	68.83	67.82	76.54	87.64	86.83	86.25	85.62	85.25	85.04	85.25
165.0	73.28	72.34	80.18	90.71	90.08	89.56	89.07	88.83	88.67	88.83
168.0	78.16	77.34	83.97	93.42	92.86	92.48	92.15	92.06	91.99	92.06
171.0	82.41	81.75	86.95	94.98	94.69	94.28	94.32	94.25	94.44	94.25
174.0	88.51	88.17	90.30	95.21	95.25	95.00	95.11	95.11	95.35	95.11
177.0	92.29	91.99	92.12	94.93	95.17	95.16	95.37	95.21	95.40	95.21
180.0	94.37	94.31	93.28	94.18	94.59	94.66	95.06	94.99	94.83	94.99
G/C	300.0	315.0	330.0	345.0						
0.0	14572	14572	14572	14572						
3.0	14603	14596	14588	14575						
6.0	14616	14603	14586	14552						
9.0	14621	14590	14553	14487						
12.0	14593	14534	14468	14361						
15.0	14498	14405	14302	14148						
18.0	14301	14169	14027	13805						
21.0	13944	13755	13563	13249						
24.0	13317	13047	12792	12360						
27.0	12236	11874	11559	11001						
30.0	10532	10083	9736	9096						
33.0	8230	7770	7445	6799						
36.0	5820	5398	5182	4595						
39.0	3725	3447	3258	2890						
42.0	2293	2156	2023	1861						
45.0	1469	1379	1321	1201						
48.0	1000	945.4	909.6	833.9						
51.0	702.6	664.9	642.1	593.1						
54.0	511.5	483.7	473.5	436.5						
57.0	378.3	363.6	351.6	332.0						
60.0	290.6	280.6	272.2	258.9						
63.0	225.2	219.9	214.6	206.0						
66.0	176.0	171.1	170.2	163.1						

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]

69.0	133.7	131.4	131.7	127.2
72.0	95.77	94.34	95.62	92.16
75.0	60.31	58.96	59.61	56.47
78.0	29.48	28.02	27.92	25.53
81.0	5.786	5.671	6.140	5.360
84.0	1.310	1.350	1.378	1.337
87.0	1.045	1.072	1.073	1.107
90.0	1.179	1.209	1.227	1.279
93.0	1.447	1.509	1.522	1.612
96.0	1.860	1.946	1.975	2.111
99.0	2.474	2.601	2.656	2.865
102.0	3.416	3.622	3.736	4.077
105.0	4.913	5.220	5.409	5.925
108.0	7.072	7.471	7.771	8.442
111.0	9.778	10.26	10.64	11.46
114.0	12.82	13.37	13.80	14.70
117.0	15.99	16.58	17.05	17.99
120.0	19.27	19.88	20.39	21.37
123.0	22.72	23.36	23.91	24.93
126.0	26.37	27.06	27.64	28.73
129.0	30.32	31.07	31.71	32.88
132.0	34.66	35.48	36.17	37.45
135.0	39.44	40.33	41.10	42.50
138.0	44.69	45.67	46.52	48.04
141.0	50.35	51.38	52.29	53.89
144.0	56.26	57.31	58.23	59.86
147.0	62.18	63.20	64.16	65.71
150.0	67.79	68.75	69.67	71.17
153.0	72.84	73.84	74.61	75.87
156.0	77.38	78.21	79.12	80.24
159.0	81.62	82.36	83.10	84.05
162.0	85.62	86.25	86.83	87.64
165.0	89.07	89.56	90.08	90.71
168.0	92.15	92.48	92.86	93.42
171.0	94.32	94.28	94.69	94.98
174.0	95.11	95.00	95.25	95.21
177.0	95.37	95.16	95.17	94.93
180.0	95.06	94.66	94.59	94.18

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: