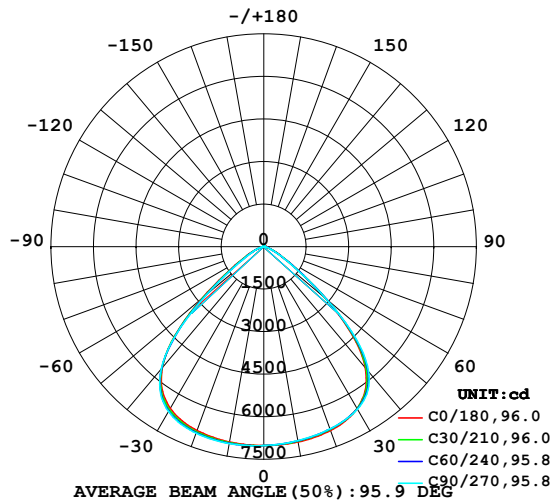


LUMINAIRE PHOTOMETRIC TEST REPORT

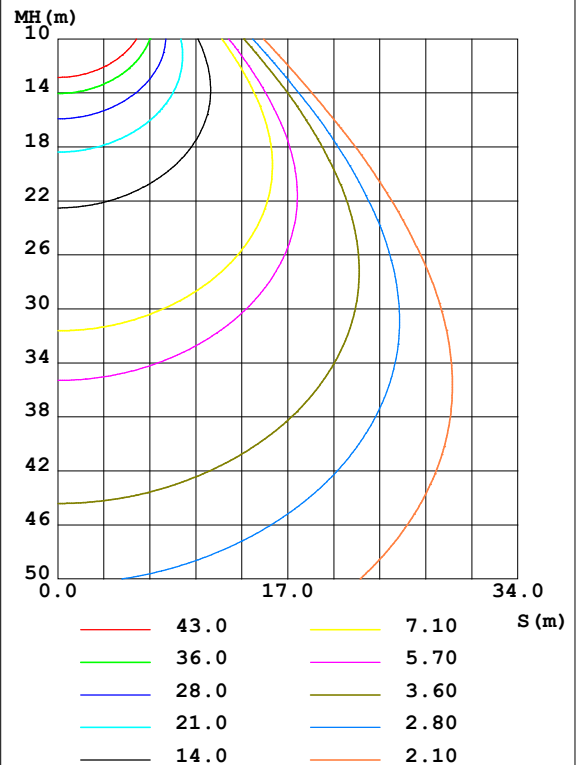
Test:U:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效TYPE:		WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.56 lm/W			
MODEL		Imax(cd)	7049	S/MH(C0/180)	1.37
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	15208	η UP,DN(C0-180)	0.4,49.8
NOMINAL FLUX(lm)	15208	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,49.2
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	99.0	CIBSE SHR MAX	1.35

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	6991	6959	6943	6959	6991	7028	7048	7028	0- 10	668.6	668.6	4.4,4.4
20	6897	6852	6841	6852	6897	6963	6996	6963	10- 20	1971	2640	17.4,17.4
30	6587	6602	6613	6602	6587	6668	6717	6668	20- 30	3143	5782	38,38
40	5567	5698	5747	5698	5567	5578	5620	5578	30- 40	3904	9686	63.7,63.7
50	2869	2937	2899	2937	2869	2721	2649	2721	40- 50	3356	13042	85.8,85.8
60	840.3	847.1	804.0	847.1	840.3	763.4	714.5	763.4	50- 60	1416	14458	95.1,95.1
70	257.8	250.2	232.4	250.2	257.8	244.0	234.6	244.0	60- 70	469.2	14927	98.2,98.2
80	22.50	18.92	13.44	18.92	22.50	21.32	22.09	21.32	70- 80	121.1	15048	99,99
90	2.245	1.277	1.216	1.277	2.245	4.062	3.950	4.062	80- 90	4.805	15053	99,99
100	6.125	3.566	3.503	3.566	6.125	9.467	9.462	9.467	90-100	4.761	15058	99,99
110	12.06	8.339	8.291	8.339	12.06	16.30	16.34	16.30	100-110	9.716	15068	99.1,99.1
120	19.95	15.38	15.33	15.38	19.95	25.56	25.62	25.56	110-120	15.97	15084	99.2,99.2
130	29.73	23.96	24.00	23.96	29.73	36.85	37.10	36.85	120-130	22.62	15106	99.3,99.3
140	39.15	32.43	32.56	32.43	39.15	47.00	47.31	47.00	130-140	27.15	15133	99.5,99.5
150	47.49	40.10	40.18	40.10	47.49	55.41	55.61	55.41	140-150	27.32	15161	99.7,99.7
160	56.19	49.40	49.50	49.40	56.19	63.10	63.37	63.10	150-160	23.94	15185	99.8,99.8
170	64.28	59.88	60.06	59.88	64.28	68.18	68.48	68.18	160-170	16.96	15202	100,100
180	68.66	68.73	69.02	68.73	68.66	68.66	69.11	68.66	170-180	6.322	15208	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 11568 lm

%lum = 76.1%

%lamp = 76.1%

Conical surface Flux(120deg): 14458 lm

%lum = 95.1%

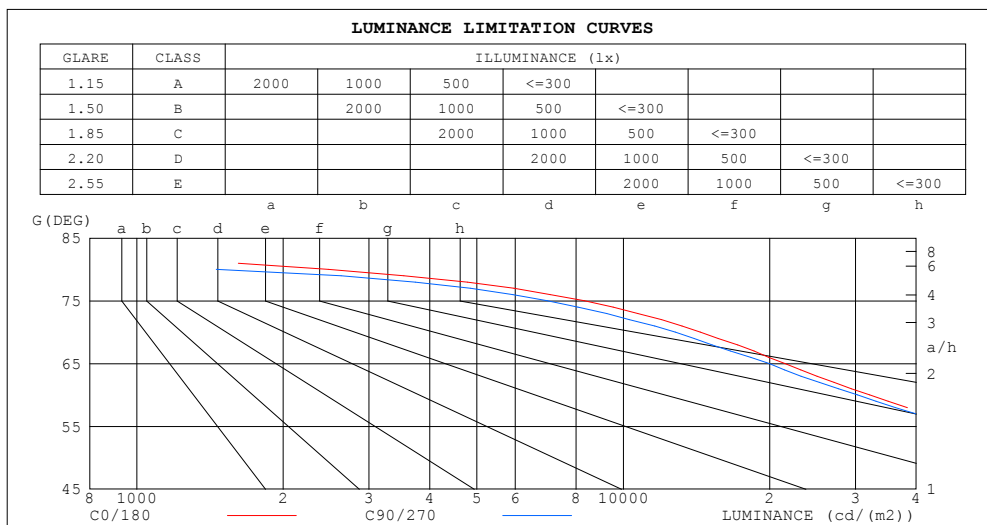
%lamp = 95.1%

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:

LUMINANCE LIMITATION CURVES

Test:U:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°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	410	200
80	2474	1457
75	8315	6978
70	14397	12793
65	21475	19935
60	32096	30274
55	51112	49214
50	85237	84914
45	119639	122852

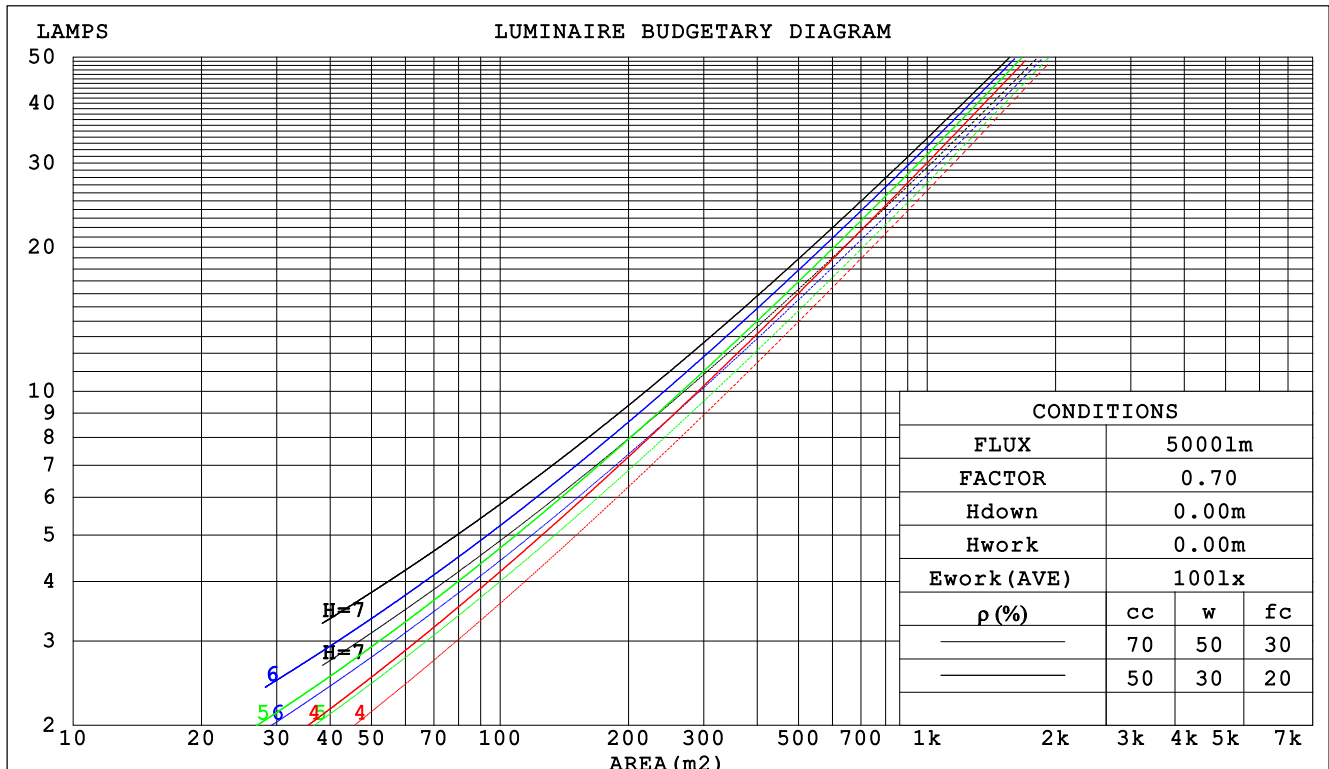
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 19 May 2018

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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效TYPE:	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	1.08	1.05	1.02	1.06	1.03	1.00	1.01	.99	.97	.97	.96	.94	.94	.92	.91	.89
2.0	.97	.92	.88	.96	.91	.87	.92	.88	.85	.89	.85	.83	.86	.83	.81	.79
3.0	.88	.81	.76	.86	.80	.76	.83	.78	.74	.81	.76	.73	.78	.75	.71	.70
4.0	.80	.72	.67	.78	.72	.66	.76	.70	.65	.73	.69	.64	.71	.67	.64	.62
5.0	.72	.65	.59	.71	.64	.59	.69	.63	.58	.67	.62	.57	.65	.61	.57	.55
6.0	.66	.58	.53	.65	.58	.52	.63	.57	.52	.61	.56	.51	.60	.55	.51	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.47	.56	.51	.46	.55	.50	.46	.44
8.0	.55	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.45	.41	.40
9.0	.51	.44	.39	.50	.43	.38	.49	.43	.38	.48	.42	.38	.47	.42	.38	.36
10.0	.47	.40	.35	.47	.40	.35	.46	.39	.35	.45	.39	.35	.44	.38	.34	.33



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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°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	.227	.129	.041	.219	.125	.040	.206	.118	.038	.194	.112	.036	.182	.106	.034		
2.0	.222	.122	.037	.216	.119	.037	.205	.114	.035	.194	.109	.034	.184	.104	.033		
3.0	.213	.114	.034	.208	.111	.034	.198	.107	.033	.189	.103	.032	.180	.100	.031		
4.0	.203	.106	.031	.198	.104	.031	.189	.100	.030	.181	.097	.029	.173	.094	.029		
5.0	.193	.098	.028	.189	.097	.028	.181	.094	.028	.173	.091	.027	.166	.089	.027		
6.0	.183	.092	.026	.179	.090	.026	.172	.088	.026	.165	.086	.025	.159	.084	.025		
7.0	.173	.086	.024	.170	.085	.024	.164	.083	.024	.158	.081	.024	.152	.079	.023		
8.0	.164	.080	.023	.161	.079	.022	.156	.078	.022	.150	.076	.022	.145	.074	.022		
9.0	.156	.076	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	.139	.070	.020		
10.0	.148	.071	.020	.146	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.019		

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	.182	.165	.149	.156	.141	.128	.107	.097	.089	.061	.056	.051	.020	.018	.017	
2.0	.171	.140	.114	.146	.121	.099	.100	.083	.069	.058	.049	.040	.019	.016	.013	
3.0	.162	.122	.090	.138	.105	.078	.095	.073	.055	.055	.043	.032	.018	.014	.011	
4.0	.153	.108	.073	.132	.093	.064	.091	.065	.045	.052	.038	.026	.017	.012	.009	
5.0	.146	.097	.061	.126	.084	.053	.087	.059	.037	.050	.034	.022	.016	.011	.007	
6.0	.140	.088	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.016	.010	.006	
7.0	.134	.081	.045	.115	.071	.039	.080	.049	.028	.046	.029	.016	.015	.010	.005	
8.0	.128	.076	.039	.110	.066	.034	.076	.046	.024	.044	.027	.015	.014	.009	.005	
9.0	.123	.071	.035	.106	.061	.031	.073	.043	.022	.043	.025	.013	.014	.008	.004	
10.0	.118	.066	.032	.102	.058	.028	.071	.041	.020	.041	.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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm										
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°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	17.1	18.3	17.3	18.5	18.8	17.1	18.4	17.4	18.6	18.8
3H	17.0	18.2	17.3	18.4	18.7	17.0	18.2	17.3	18.4	18.7
4H	17.0	18.1	17.3	18.3	18.6	17.0	18.0	17.3	18.3	18.6
6H	16.9	17.9	17.2	18.2	18.5	16.9	17.9	17.2	18.1	18.4
8H	16.8	17.8	17.2	18.1	18.4	16.8	17.8	17.2	18.1	18.4
12H	16.8	17.7	17.1	18.0	18.3	16.8	17.7	17.1	18.0	18.3
4H 2H	17.0	18.1	17.3	18.3	18.6	17.0	18.1	17.3	18.3	18.6
3H	17.0	17.9	17.3	18.2	18.5	17.0	17.9	17.3	18.2	18.5
4H	16.9	17.8	17.3	18.1	18.4	16.9	17.7	17.3	18.1	18.4
6H	16.8	17.6	17.3	17.9	18.3	16.8	17.5	17.2	17.9	18.3
8H	16.8	17.5	17.2	17.9	18.3	16.8	17.4	17.2	17.8	18.2
12H	16.8	17.4	17.2	17.8	18.2	16.7	17.3	17.2	17.7	18.1
8H 4H	16.8	17.5	17.2	17.9	18.3	16.8	17.5	17.2	17.8	18.2
6H	16.7	17.3	17.2	17.7	18.1	16.7	17.2	17.1	17.7	18.1
8H	16.7	17.2	17.2	17.6	18.1	16.7	17.1	17.1	17.6	18.0
12H	16.6	17.1	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
12H 4H	16.8	17.4	17.2	17.8	18.2	16.7	17.4	17.2	17.7	18.2
6H	16.7	17.2	17.2	17.6	18.1	16.7	17.1	17.1	17.6	18.0
8H	16.6	17.1	17.1	17.5	18.0	16.6	17.0	17.1	17.5	18.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.9 / - 3.2					+ 2.0 / - 3.4				
1.5H	+ 1.1 / - 2.5					+ 1.3 / - 2.8				
2.0H	+ 3.9 / - 4.7					+ 4.1 / - 5.0				

CIE Pub.117, 15208 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:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

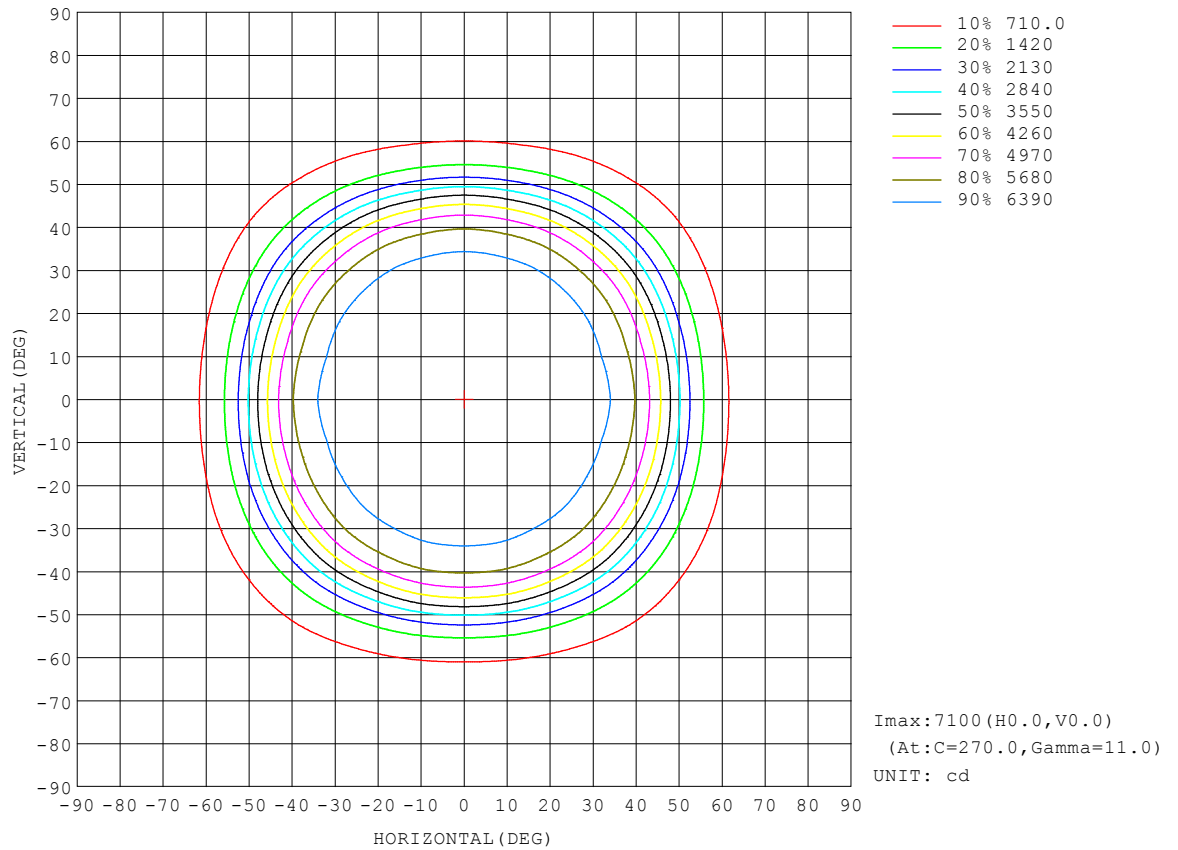
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	68	59	53	68	58	53	67	58	53	47
0.80	79	69	63	78	69	63	76	68	63	57
1.00	87	78	73	86	78	72	83	78	72	66
1.25	93	85	80	92	84	79	89	83	79	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	92	101	95	91	97	93	89	83
2.50	105	99	95	103	98	94	100	95	92	85
3.00	107	103	99	105	101	97	102	98	95	88
4.00	110	106	103	108	104	101	104	101	98	90
5.00	112	108	105	109	106	104	105	103	100	92
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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

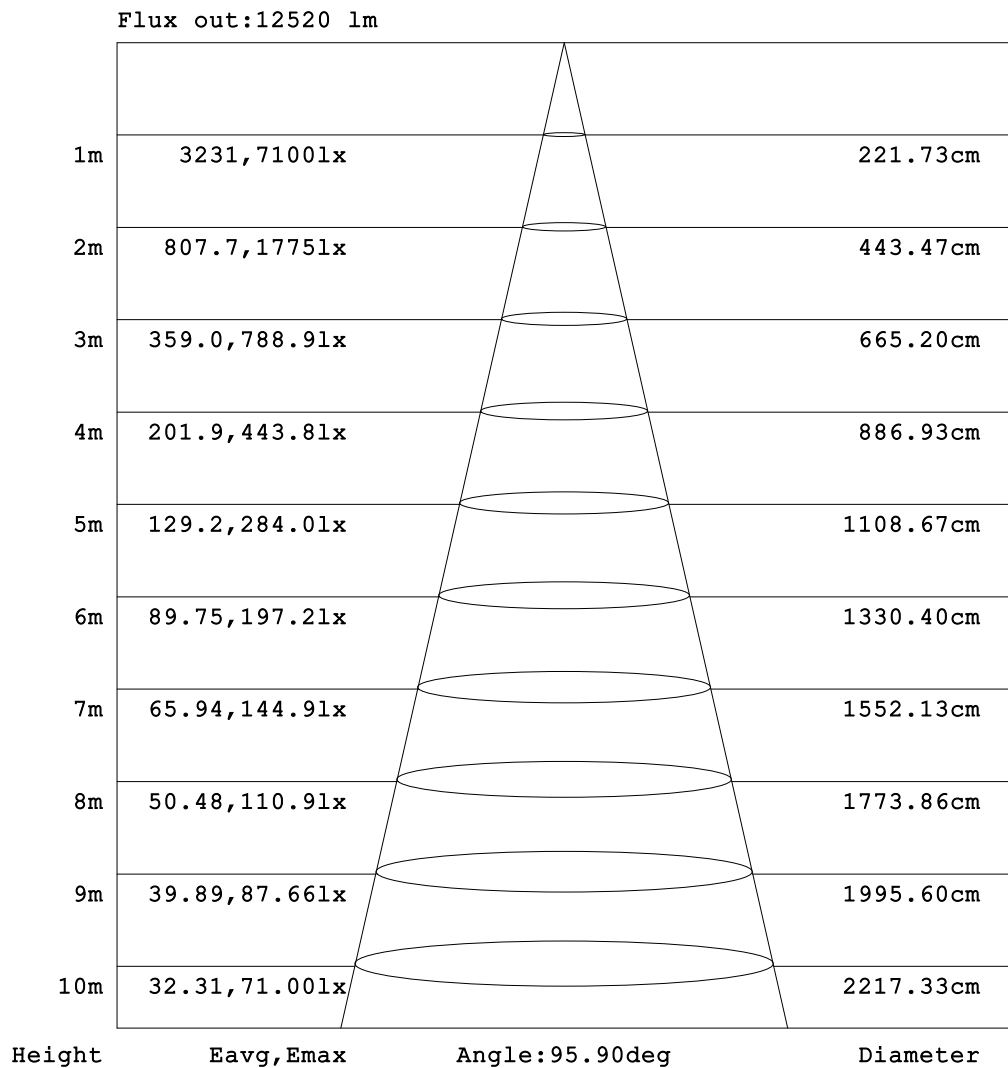


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:19 May 2018

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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



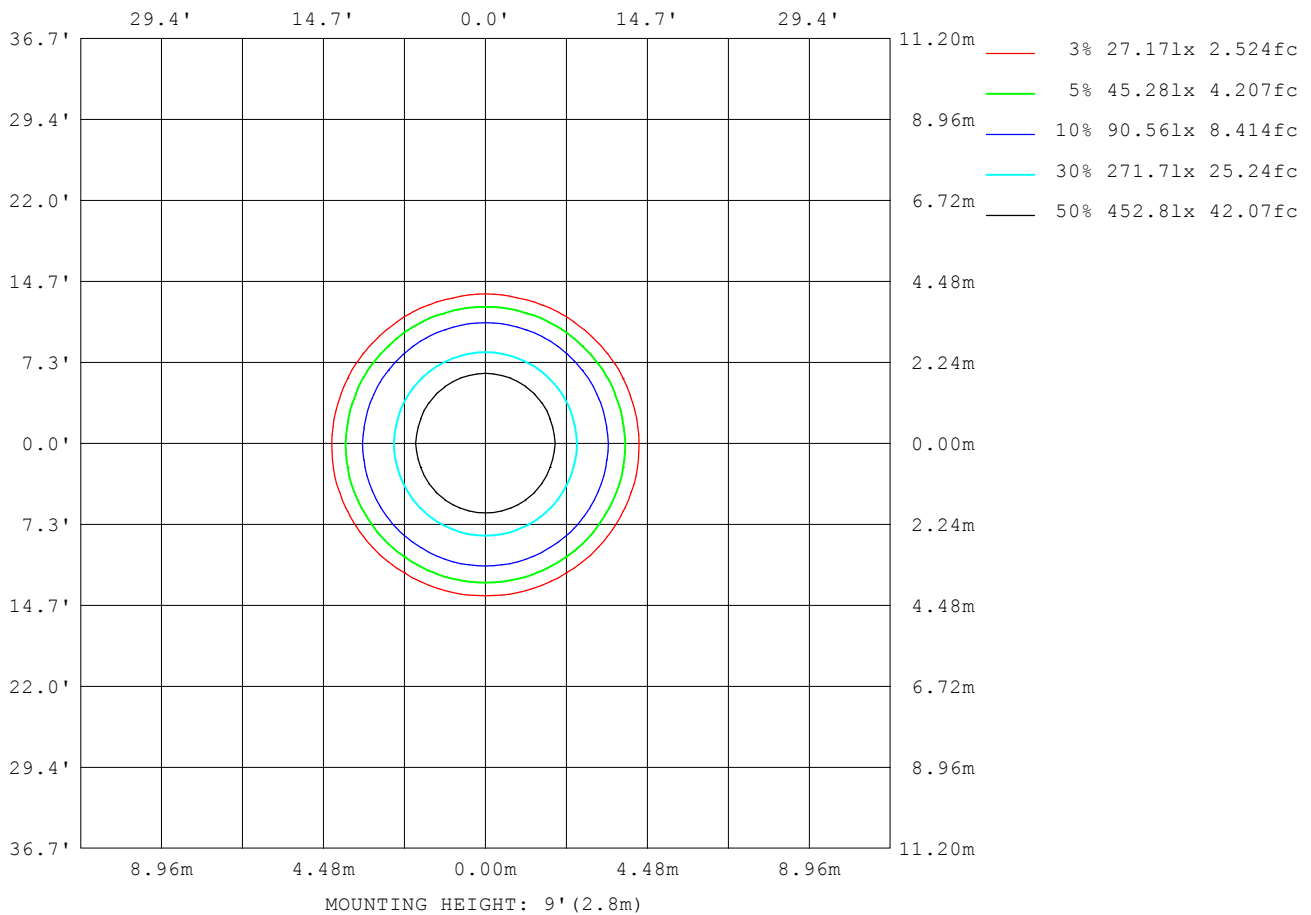
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°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:

LED Avg.L Report

Test:U:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

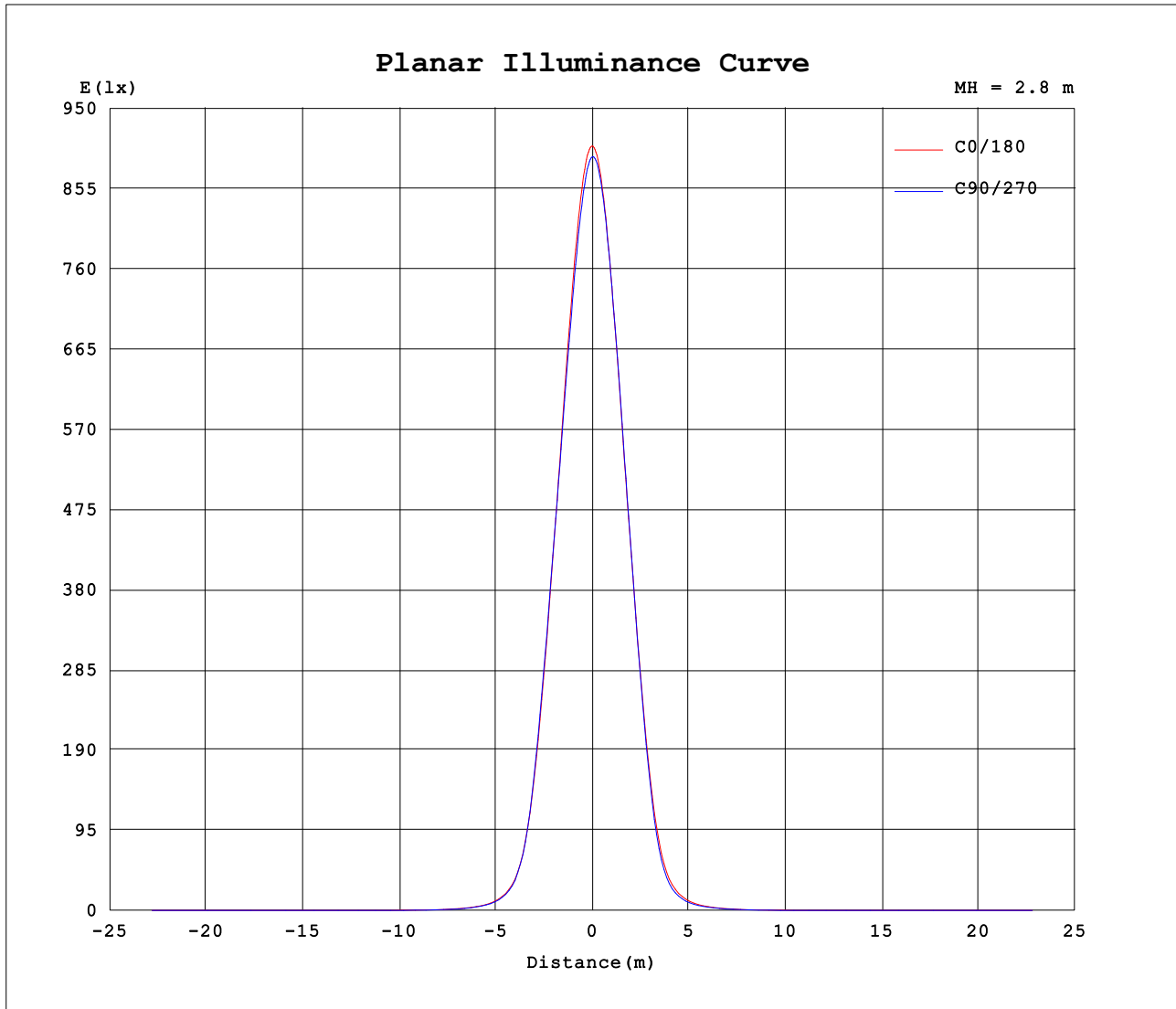
AvgL	cd/m2
L_0~180 (65) av	21216
L_0~180 (75) av	8215
L_0~180 (85) av	405
L_90~270 (65) av	19338
L_90~270 (75) av	7397
L_90~270 (85) av	367
L_45 (65) av	20350
L_45 (75) av	7614
L_45 (85) av	408

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:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015
5	7010	7003	6996	6991	6986	6985	6984	6985	6986	6991	6996	7003	7010	7016	7024	7029	7033	7035	7036
10	6991	6981	6968	6959	6951	6946	6943	6946	6951	6959	6968	6981	6991	7003	7018	7028	7039	7045	7048
15	6956	6939	6923	6913	6903	6901	6897	6901	6903	6913	6923	6939	6956	6972	6993	7009	7025	7033	7038
20	6897	6879	6861	6852	6843	6843	6841	6843	6843	6852	6861	6879	6897	6917	6945	6963	6982	6991	6996
25	6790	6778	6765	6764	6756	6759	6756	6759	6756	6764	6765	6778	6790	6808	6842	6863	6889	6899	6908
30	6587	6586	6588	6602	6603	6617	6613	6617	6603	6602	6588	6586	6587	6606	6648	6668	6698	6704	6717
35	6228	6239	6259	6300	6309	6339	6335	6339	6309	6300	6259	6239	6228	6237	6280	6291	6323	6322	6339
40	5567	5590	5623	5698	5707	5765	5747	5765	5707	5698	5623	5590	5567	5556	5585	5578	5613	5588	5620
45	4430	4483	4491	4560	4565	4622	4614	4622	4565	4560	4491	4483	4430	4393	4418	4356	4367	4330	4368
50	2869	2909	2899	2937	2887	2938	2899	2938	2887	2937	2899	2909	2869	2818	2799	2721	2693	2621	2649
55	1535	1571	1562	1559	1532	1524	1499	1524	1532	1559	1562	1571	1535	1513	1478	1422	1379	1326	1331
60	840	859	843	847	820	821	804	821	820	847	843	859	840	817	804	763	745	713	715
65	475	480	471	472	456	455	447	455	456	472	471	480	475	464	459	440	432	415	419
70	258	259	252	250	241	237	232	237	241	250	252	259	258	255	252	244	242	235	235
75	113	112	105	104	98.6	98.5	95.9	98.5	98.6	104	105	112	113	111	110	105	106	104	107
80	22.5	21.8	19.3	18.9	16.6	15.8	13.4	15.8	16.6	18.9	19.3	21.8	22.5	22.1	22.7	21.3	22.3	20.6	22.1
85	1.87	1.29	1.10	1.01	0.95	0.90	0.92	0.90	0.95	1.01	1.10	1.29	1.87	2.85	2.88	2.75	2.64	2.52	2.47
90	2.25	1.34	1.33	1.28	1.25	1.20	1.22	1.20	1.25	1.28	1.33	1.34	2.25	4.06	4.01	4.06	3.97	4.01	3.95
95	3.84	2.21	2.21	2.13	2.12	2.05	2.08	2.05	2.12	2.13	2.21	2.21	3.84	6.48	6.44	6.56	6.49	6.59	6.51
100	6.13	3.69	3.69	3.57	3.57	3.47	3.50	3.47	3.57	3.57	3.69	3.69	6.13	9.34	9.33	9.47	9.42	9.54	9.46
105	8.85	5.78	5.79	5.65	5.64	5.52	5.58	5.52	5.64	5.65	5.79	5.78	8.85	12.5	12.5	12.7	12.6	12.8	12.6
110	12.1	8.49	8.51	8.34	8.35	8.20	8.29	8.20	8.35	8.34	8.51	8.49	12.1	16.1	16.1	16.3	16.3	16.4	16.3
115	15.7	11.8	11.8	11.6	11.6	11.5	11.6	11.5	11.6	11.6	11.8	11.8	15.7	20.3	20.3	20.5	20.5	20.7	20.6
120	20.0	15.5	15.5	15.4	15.4	15.3	15.3	15.3	15.4	15.4	15.5	15.5	20.0	25.2	25.3	25.6	25.5	25.7	25.6
125	24.7	19.6	19.7	19.5	19.6	19.4	19.5	19.4	19.6	19.5	19.7	19.6	24.7	30.7	30.8	31.2	31.2	31.4	31.3
130	29.7	24.0	24.1	24.0	24.0	23.9	24.0	23.9	24.0	24.0	24.1	24.0	29.7	36.3	36.5	36.9	36.9	37.2	37.1
135	34.8	28.5	28.6	28.5	28.6	28.5	28.6	28.5	28.6	28.5	28.6	28.5	34.8	41.7	41.9	42.3	42.3	42.6	42.5
140	39.2	32.3	32.4	32.4	32.5	32.5	32.6	32.5	32.5	32.4	32.4	32.3	39.2	46.4	46.7	47.0	47.1	47.4	47.3
145	43.3	36.0	36.2	36.2	36.3	36.2	36.3	36.2	36.3	36.2	36.2	36.0	43.3	50.7	50.9	51.2	51.4	51.6	51.5
150	47.5	40.0	40.1	40.1	40.2	40.1	40.2	40.1	40.2	40.1	40.1	40.0	47.5	54.9	55.1	55.4	55.5	55.7	55.6
155	51.8	44.4	44.6	44.6	44.7	44.6	44.7	44.6	44.7	44.6	44.6	44.4	51.8	59.0	59.2	59.4	59.5	59.7	59.6
160	56.2	49.2	49.3	49.4	49.5	49.4	49.5	49.4	49.5	49.4	49.3	49.2	56.2	62.6	62.9	63.1	63.2	63.3	63.4
165	60.4	54.2	54.4	54.4	54.5	54.5	54.6	54.5	54.5	54.4	54.4	54.2	60.4	65.5	65.8	66.0	66.2	66.3	66.3
170	64.3	59.6	59.8	59.9	60.0	60.0	60.1	60.0	60.0	59.9	59.8	59.6	64.3	67.7	68.0	68.2	68.4	68.4	68.5
175	67.4	65.2	65.5	65.7	65.8	65.9	65.9	65.9	65.8	65.7	65.5	65.2	67.4	68.5	68.8	69.0	69.2	69.3	69.4
180	68.7	68.2	68.4	68.7	68.9	69.0	69.0	69.0	68.9	68.7	68.4	68.2	68.7	68.1	68.5	68.7	68.9	69.0	69.1

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.4V I:0.4464A P:101.7W PF:0.9842 Freq:49.99Hz Lamp Flux:15208x1 lm		
NAME: H09STC-100W-168SMD-4000K-RA80-R280-90°C-高光效	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	7015	7015	7015	7015	7015														
5	7035	7033	7029	7024	7016														
10	7045	7039	7028	7018	7003														
15	7033	7025	7009	6993	6972														
20	6991	6982	6963	6945	6917														
25	6899	6889	6863	6842	6808														
30	6704	6698	6668	6648	6606														
35	6322	6323	6291	6280	6237														
40	5588	5613	5578	5585	5556														
45	4330	4367	4356	4418	4393														
50	2621	2693	2721	2799	2818														
55	1326	1379	1422	1478	1513														
60	713	745	763	804	817														
65	415	432	440	459	464														
70	235	242	244	252	255														
75	104	106	105	110	111														
80	20.6	22.3	21.3	22.7	22.1														
85	2.52	2.64	2.75	2.88	2.85														
90	4.01	3.97	4.06	4.01	4.06														
95	6.59	6.49	6.56	6.44	6.48														
100	9.54	9.42	9.47	9.33	9.34														
105	12.8	12.6	12.7	12.5	12.5														
110	16.4	16.3	16.3	16.1	16.1														
115	20.7	20.5	20.5	20.3	20.3														
120	25.7	25.5	25.6	25.3	25.2														
125	31.4	31.2	31.2	30.8	30.7														
130	37.2	36.9	36.9	36.5	36.3														
135	42.6	42.3	42.3	41.9	41.7														
140	47.4	47.1	47.0	46.7	46.4														
145	51.6	51.4	51.2	50.9	50.7														
150	55.7	55.5	55.4	55.1	54.9														
155	59.7	59.5	59.4	59.2	59.0														
160	63.3	63.2	63.1	62.9	62.6														
165	66.3	66.2	66.0	65.8	65.5														
170	68.4	68.4	68.2	68.0	67.7														
175	69.3	69.2	69.0	68.8	68.5														
180	69.0	68.9	68.7	68.5	68.1														

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	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015
3.0	7013	7009	7004	7002	6999	6999	6998	6999	6999	7002
6.0	7008	7000	6991	6986	6980	6978	6976	6978	6980	6986
9.0	6997	6987	6975	6966	6959	6954	6951	6954	6959	6966
12.0	6979	6966	6952	6943	6933	6929	6925	6929	6933	6943
15.0	6956	6939	6923	6913	6903	6901	6897	6901	6903	6913
18.0	6925	6906	6888	6878	6869	6869	6865	6869	6869	6878
21.0	6881	6863	6845	6837	6829	6830	6827	6830	6829	6837
24.0	6817	6804	6789	6785	6777	6779	6775	6779	6777	6785
27.0	6723	6715	6706	6710	6705	6712	6708	6712	6705	6710
30.0	6587	6586	6588	6602	6603	6617	6613	6617	6603	6602
33.0	6397	6403	6416	6446	6451	6475	6470	6475	6451	6446
36.0	6124	6141	6162	6210	6219	6255	6247	6255	6219	6210
39.0	5731	5762	5783	5851	5863	5913	5902	5913	5863	5851
42.0	5177	5218	5238	5308	5328	5397	5375	5397	5328	5308
45.0	4430	4483	4491	4560	4565	4622	4614	4622	4565	4560
48.0	3505	3564	3553	3622	3594	3654	3624	3654	3594	3622
51.0	2554	2592	2580	2605	2571	2592	2556	2592	2571	2605
54.0	1741	1782	1755	1773	1744	1742	1746	1742	1744	1773
57.0	1200	1229	1208	1215	1178	1179	1155	1179	1178	1215
60.0	840.3	858.8	842.9	847.1	820.2	820.8	804.0	820.8	820.2	847.1
63.0	595.1	606.8	591.9	595.6	571.9	571.1	559.4	571.1	571.9	595.6
66.0	424.2	428.4	420.1	418.3	403.7	399.9	395.0	399.9	403.7	418.3
69.0	294.1	296.0	288.2	286.4	275.3	271.1	266.4	271.1	275.3	286.4
72.0	193.8	193.2	186.7	184.6	177.9	173.9	168.9	173.9	177.9	184.6
75.0	112.7	111.5	105.0	103.6	98.64	98.45	95.93	98.45	98.64	103.6
78.0	52.06	50.66	46.03	45.25	41.95	43.33	41.27	43.33	41.95	45.25
81.0	13.24	12.30	10.27	10.10	7.965	7.236	6.581	7.236	7.965	10.10
84.0	2.517	1.987	1.803	1.673	1.401	1.261	1.087	1.261	1.401	1.673
87.0	1.726	1.087	1.071	1.043	1.031	1.000	1.003	1.000	1.031	1.043
90.0	2.245	1.340	1.326	1.277	1.254	1.201	1.216	1.201	1.254	1.277
93.0	3.100	1.789	1.780	1.716	1.709	1.647	1.664	1.647	1.709	1.716
96.0	4.248	2.459	2.460	2.370	2.359	2.286	2.313	2.286	2.359	2.370
99.0	5.625	3.351	3.347	3.231	3.222	3.130	3.165	3.130	3.222	3.231
102.0	7.164	4.451	4.447	4.323	4.318	4.219	4.264	4.219	4.318	4.323
105.0	8.845	5.783	5.792	5.650	5.645	5.523	5.582	5.523	5.645	5.650
108.0	10.71	7.337	7.355	7.193	7.201	7.054	7.117	7.054	7.201	7.193
111.0	12.75	9.099	9.114	8.946	8.967	8.819	8.884	8.819	8.967	8.946
114.0	14.98	11.07	11.09	10.92	10.94	10.77	10.86	10.77	10.94	10.92
117.0	17.37	13.21	13.23	13.07	13.09	12.94	13.01	12.94	13.09	13.07
120.0	19.95	15.51	15.54	15.38	15.40	15.28	15.33	15.28	15.40	15.38
123.0	22.75	17.95	17.97	17.84	17.86	17.74	17.83	17.74	17.86	17.84
126.0	25.69	20.49	20.53	20.41	20.44	20.33	20.42	20.33	20.44	20.41
129.0	28.70	23.11	23.17	23.06	23.11	23.00	23.09	23.00	23.11	23.06
132.0	31.79	25.80	25.88	25.77	25.85	25.75	25.84	25.75	25.85	25.77
135.0	34.79	28.48	28.59	28.51	28.60	28.51	28.62	28.51	28.60	28.51
138.0	37.47	30.85	30.97	30.92	31.00	30.95	31.04	30.95	31.00	30.92
141.0	39.99	33.06	33.19	33.18	33.26	33.23	33.31	33.23	33.26	33.18
144.0	42.44	35.30	35.43	35.43	35.54	35.48	35.56	35.48	35.54	35.43
147.0	44.93	37.53	37.67	37.65	37.77	37.68	37.76	37.68	37.77	37.65
150.0	47.49	39.97	40.10	40.10	40.17	40.12	40.18	40.12	40.17	40.10
153.0	50.08	42.59	42.73	42.74	42.84	42.79	42.90	42.79	42.84	42.74
156.0	52.70	45.34	45.50	45.52	45.61	45.58	45.66	45.58	45.61	45.52
159.0	55.33	48.23	48.39	48.42	48.52	48.46	48.54	48.46	48.52	48.42
162.0	57.93	51.18	51.32	51.35	51.43	51.41	51.49	51.41	51.43	51.35
165.0	60.38	54.22	54.36	54.42	54.52	54.51	54.59	54.51	54.52	54.42
168.0	62.87	57.57	57.73	57.82	57.91	57.95	57.98	57.95	57.91	57.82
171.0	64.87	60.52	60.68	60.84	60.92	60.98	61.02	60.98	60.92	60.84
174.0	66.99	64.38	64.60	64.79	64.92	65.02	65.03	65.02	64.92	64.79
177.0	68.10	66.61	66.82	67.08	67.19	67.34	67.34	67.34	67.19	67.08
180.0	68.66	68.21	68.43	68.73	68.85	69.05	69.02	69.05	68.85	68.73
G/C	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	7015	7015	7015	7015	7015	7015	7015	7015	7015	7015
3.0	7004	7009	7013	7017	7021	7024	7027	7028	7029	7028
6.0	6991	7000	7008	7015	7024	7030	7035	7038	7039	7038
9.0	6975	6987	6997	7007	7021	7030	7039	7045	7048	7045
12.0	6952	6966	6979	6993	7010	7023	7036	7044	7048	7044
15.0	6923	6939	6956	6972	6993	7009	7025	7033	7038	7033
18.0	6888	6906	6925	6943	6969	6986	7004	7012	7017	7012
21.0	6845	6863	6881	6901	6930	6948	6969	6977	6985	6977
24.0	6789	6804	6817	6837	6869	6888	6913	6923	6932	6923
27.0	6706	6715	6723	6741	6778	6800	6828	6837	6848	6837
30.0	6588	6586	6587	6606	6648	6668	6698	6704	6717	6704

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	6416	6403	6397	6412	6455	6472	6504	6505	6521	6505
36.0	6162	6141	6124	6131	6175	6180	6214	6208	6228	6208
39.0	5783	5762	5731	5726	5769	5757	5792	5773	5801	5773
42.0	5238	5218	5177	5156	5189	5159	5177	5157	5197	5157
45.0	4491	4483	4430	4393	4418	4356	4367	4330	4368	4330
48.0	3553	3564	3505	3461	3469	3386	3390	3325	3362	3325
51.0	2580	2592	2554	2507	2480	2401	2366	2312	2320	2312
54.0	1755	1782	1741	1701	1684	1619	1577	1535	1528	1535
57.0	1208	1229	1200	1168	1149	1090	1066	1019	1023	1019
60.0	842.9	858.8	840.3	817.5	803.8	763.4	744.8	712.9	714.5	712.9
63.0	591.9	606.8	595.1	579.8	573.6	543.9	533.3	508.0	510.3	508.0
66.0	420.1	428.4	424.2	415.2	411.1	394.2	386.8	373.8	373.1	373.8
69.0	288.2	296.0	294.1	289.6	286.7	276.4	271.8	263.9	263.1	263.9
72.0	186.7	193.2	193.8	190.9	189.8	185.0	181.4	178.0	177.1	178.0
75.0	105.0	111.5	112.7	110.8	110.2	105.2	106.3	104.2	107.0	104.2
78.0	46.03	50.66	52.06	49.91	50.39	48.46	50.43	48.85	50.15	48.85
81.0	10.27	12.30	13.24	13.23	14.23	12.39	11.69	9.818	10.24	9.818
84.0	1.803	1.987	2.517	3.394	3.451	3.351	3.337	3.189	3.323	3.189
87.0	1.071	1.087	1.726	3.025	2.977	3.017	2.940	2.973	2.912	2.973
90.0	1.326	1.340	2.245	4.060	4.009	4.062	3.974	4.014	3.950	4.014
93.0	1.780	1.789	3.100	5.430	5.392	5.491	5.410	5.484	5.412	5.484
96.0	2.460	2.459	4.248	7.023	7.001	7.116	7.053	7.156	7.088	7.156
99.0	3.347	3.351	5.625	8.749	8.715	8.868	8.815	8.932	8.851	8.932
102.0	4.447	4.451	7.164	10.56	10.56	10.72	10.66	10.78	10.70	10.78
105.0	5.792	5.783	8.845	12.51	12.50	12.67	12.61	12.75	12.65	12.75
108.0	7.355	7.337	10.71	14.59	14.61	14.78	14.75	14.88	14.79	14.88
111.0	9.114	9.099	12.75	16.89	16.91	17.09	17.08	17.20	17.13	17.20
114.0	11.09	11.07	14.98	19.40	19.44	19.63	19.62	19.76	19.68	19.76
117.0	13.23	13.21	17.37	22.18	22.21	22.45	22.43	22.59	22.51	22.59
120.0	15.54	15.51	19.95	25.24	25.28	25.56	25.54	25.72	25.62	25.72
123.0	17.97	17.95	22.75	28.51	28.60	28.91	28.91	29.09	28.98	29.09
126.0	20.53	20.49	25.69	31.86	31.99	32.32	32.35	32.58	32.49	32.58
129.0	23.17	23.11	28.70	35.20	35.36	35.73	35.81	36.06	35.96	36.06
132.0	25.88	25.80	31.79	38.49	38.67	39.06	39.17	39.43	39.33	39.43
135.0	28.59	28.48	34.79	41.66	41.86	42.25	42.34	42.61	42.51	42.61
138.0	30.97	30.85	37.47	44.60	44.83	45.18	45.29	45.54	45.49	45.54
141.0	33.19	33.06	39.99	47.30	47.54	47.87	48.01	48.22	48.20	48.22
144.0	35.43	35.30	42.44	49.85	50.10	50.41	50.56	50.73	50.74	50.73
147.0	37.67	37.53	44.93	52.39	52.62	52.91	53.03	53.22	53.18	53.22
150.0	40.10	39.97	47.49	54.94	55.13	55.41	55.51	55.69	55.61	55.69
153.0	42.73	42.59	50.08	57.38	57.59	57.84	57.96	58.11	58.06	58.11
156.0	45.50	45.34	52.70	59.75	59.98	60.22	60.33	60.45	60.43	60.45
159.0	48.39	48.23	55.33	61.96	62.18	62.42	62.56	62.65	62.67	62.65
162.0	51.32	51.18	57.93	63.96	64.21	64.43	64.59	64.67	64.71	64.67
165.0	54.36	54.22	60.38	65.53	65.83	66.03	66.22	66.27	66.32	66.27
168.0	57.73	57.57	62.87	66.95	67.27	67.46	67.66	67.69	67.72	67.69
171.0	60.68	60.52	64.87	67.92	68.30	68.43	68.64	68.66	68.75	68.66
174.0	64.60	64.38	66.99	68.35	68.72	68.87	69.10	69.14	69.24	69.14
177.0	66.82	66.61	68.10	68.46	68.83	69.00	69.25	69.29	69.39	69.29
180.0	68.43	68.21	68.66	68.12	68.52	68.66	68.94	68.98	69.11	68.98
G/C	300.0	315.0	330.0	345.0						
0.0	7015	7015	7015	7015						
3.0	7027	7024	7021	7017						
6.0	7035	7030	7024	7015						
9.0	7039	7030	7021	7007						
12.0	7036	7023	7010	6993						
15.0	7025	7009	6993	6972						
18.0	7004	6986	6969	6943						
21.0	6969	6948	6930	6901						
24.0	6913	6888	6869	6837						
27.0	6828	6800	6778	6741						
30.0	6698	6668	6648	6606						
33.0	6504	6472	6455	6412						
36.0	6214	6180	6175	6131						
39.0	5792	5757	5769	5726						
42.0	5177	5159	5189	5156						
45.0	4367	4356	4418	4393						
48.0	3390	3386	3469	3461						
51.0	2366	2401	2480	2507						
54.0	1577	1619	1684	1701						
57.0	1066	1090	1149	1168						
60.0	744.8	763.4	803.8	817.5						
63.0	533.3	543.9	573.6	579.8						
66.0	386.8	394.2	411.1	415.2						

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:

Photometric Data Table [cd]

69.0	271.8	276.4	286.7	289.6
72.0	181.4	185.0	189.8	190.9
75.0	106.3	105.2	110.2	110.8
78.0	50.43	48.46	50.39	49.91
81.0	11.69	12.39	14.23	13.23
84.0	3.337	3.351	3.451	3.394
87.0	2.940	3.017	2.977	3.025
90.0	3.974	4.062	4.009	4.060
93.0	5.410	5.491	5.392	5.430
96.0	7.053	7.116	7.001	7.023
99.0	8.815	8.868	8.715	8.749
102.0	10.66	10.72	10.56	10.56
105.0	12.61	12.67	12.50	12.51
108.0	14.75	14.78	14.61	14.59
111.0	17.08	17.09	16.91	16.89
114.0	19.62	19.63	19.44	19.40
117.0	22.43	22.45	22.21	22.18
120.0	25.54	25.56	25.28	25.24
123.0	28.91	28.91	28.60	28.51
126.0	32.35	32.32	31.99	31.86
129.0	35.81	35.73	35.36	35.20
132.0	39.17	39.06	38.67	38.49
135.0	42.34	42.25	41.86	41.66
138.0	45.29	45.18	44.83	44.60
141.0	48.01	47.87	47.54	47.30
144.0	50.56	50.41	50.10	49.85
147.0	53.03	52.91	52.62	52.39
150.0	55.51	55.41	55.13	54.94
153.0	57.96	57.84	57.59	57.38
156.0	60.33	60.22	59.98	59.75
159.0	62.56	62.42	62.18	61.96
162.0	64.59	64.43	64.21	63.96
165.0	66.22	66.03	65.83	65.53
168.0	67.66	67.46	67.27	66.95
171.0	68.64	68.43	68.30	67.92
174.0	69.10	68.87	68.72	68.35
177.0	69.25	69.00	68.83	68.46
180.0	68.94	68.66	68.52	68.12

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: