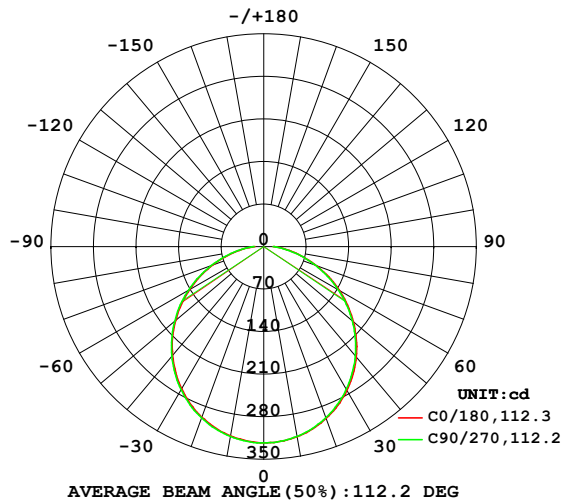


LUMINAIRE PHOTOMETRIC TEST REPORT

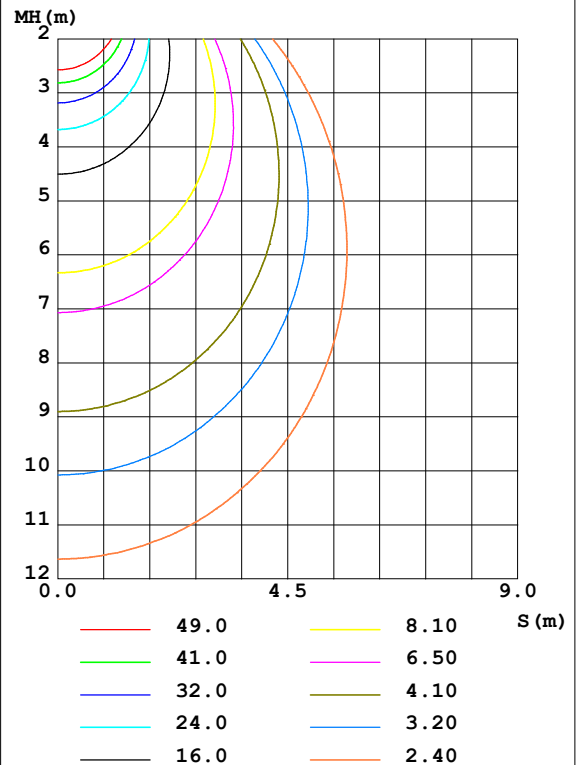
Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm					
NAME: S6-2790-WH		TYPE:		WEIGHT:	
SPEC.:2700K		DIM.:		SERIAL No.:	
MFR.: ADS		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 62.95 lm/W
MODEL	S6-2790-WH	I _{max} (cd)	323.4	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.25	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	942.43	η UP,DN(C0-180)	0.0,50.0	
NOMINAL FLUX(lm)	942.427	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

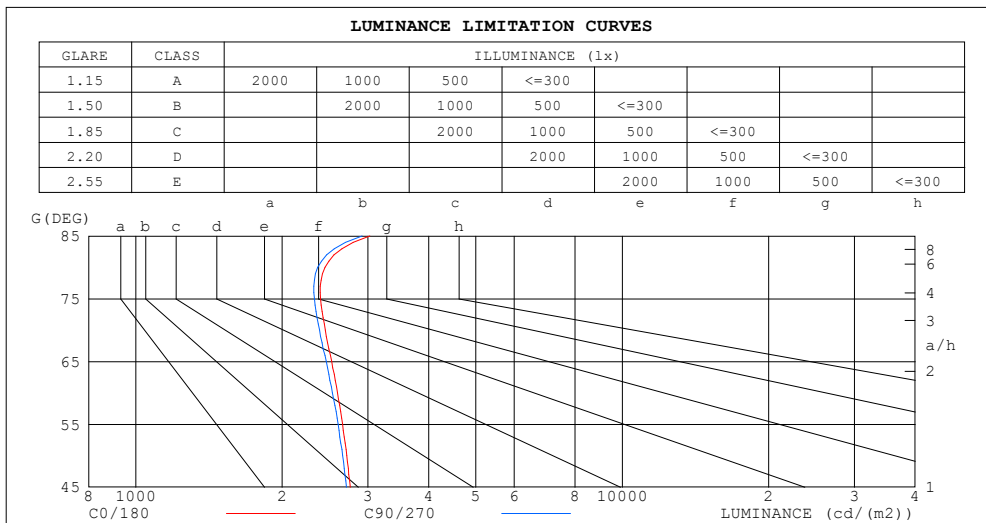
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	317.6	317.5	317.3	316.1	316.1	317.0	317.2	316.9	0- 10	30.55	30.55	3.24,3.24
20	300.7	301.1	299.5	298.2	298.6	298.7	299.9	300.6	10- 20	87.40	117.9	12.5,12.5
30	273.5	273.3	271.6	270.3	270.4	271.5	272.2	272.8	20- 30	132.3	250.2	26.6,26.6
40	237.0	236.9	234.8	232.8	233.4	234.6	235.4	236.2	30- 40	159.2	409.5	43.4,43.4
50	192.9	192.8	190.4	188.8	189.6	190.9	191.6	192.5	40- 50	165.0	574.5	61,61
60	143.6	143.2	141.2	139.8	140.4	141.9	142.7	143.2	50- 60	149.3	723.8	76.8,76.8
70	92.73	92.29	90.77	89.57	89.77	91.21	92.13	92.45	60- 70	115.4	839.1	89,89
80	46.98	46.87	45.72	44.95	44.54	45.83	46.72	47.29	70- 80	71.67	910.8	96.6,96.6
90	15.75	15.86	15.48	14.74	14.37	15.11	15.76	15.95	80- 90	31.62	942.4	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3027	2918
80	2448	2366
75	2397	2329
70	2454	2385
65	2528	2463
60	2598	2537
55	2661	2606
50	2716	2663
45	2762	2710

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

```

WEC AND CCEC

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	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	.328	.186	.059	.321	.183	.058	.307	.176	.056	.295	.170	.055	.284	.164	.053		
2.0	.302	.165	.051	.295	.163	.050	.284	.158	.049	.273	.153	.048	.263	.149	.047		
3.0	.276	.147	.044	.271	.145	.044	.260	.141	.043	.251	.137	.042	.242	.134	.041		
4.0	.254	.132	.039	.249	.130	.038	.240	.127	.038	.231	.124	.037	.223	.121	.037		
5.0	.234	.119	.034	.229	.118	.034	.221	.115	.034	.213	.113	.034	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.185	.095	.028	.179	.093	.027		
8.0	.187	.092	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.158	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021		

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020		
1.0	.182	.156	.133	.155	.134	.114	.106	.092	.079	.061	.053	.046	.020	.017	.015		
2.0	.174	.132	.097	.149	.114	.084	.102	.079	.058	.059	.046	.034	.019	.015	.011		
3.0	.166	.114	.073	.142	.099	.064	.098	.069	.045	.056	.040	.026	.018	.013	.009		
4.0	.158	.101	.058	.136	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007		
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006		
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005		
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004		
8.0	.130	.070	.028	.112	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003		
9.0	.123	.065	.025	.106	.056	.022	.074	.039	.016	.043	.023	.009	.014	.008	.003		
10.0	.118	.060	.022	.101	.052	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm										
NAME: S6-2790-WH					TYPE:			WEIGHT:		
SPEC.:2700K					DIM.:			SERIAL No.:		
MFR.: ADS					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	16.5	18.0	16.7	18.2	18.4	16.4	17.9	16.7	18.1	18.3
3H	18.1	19.5	18.4	19.7	20.0	18.0	19.4	18.3	19.6	19.9
4H	18.8	20.1	19.1	20.4	20.6	18.6	20.0	19.0	20.3	20.5
6H	19.4	20.6	19.7	20.9	21.2	19.2	20.5	19.5	20.8	21.1
8H	19.6	20.9	20.0	21.1	21.4	19.5	20.7	19.8	21.0	21.3
12H	19.9	21.1	20.2	21.4	21.7	19.7	20.9	20.1	21.2	21.5
4H 2H	17.1	18.5	17.4	18.7	19.0	17.0	18.4	17.3	18.6	18.9
3H	18.9	20.1	19.2	20.4	20.7	18.8	20.0	19.1	20.3	20.6
4H	19.7	20.8	20.1	21.1	21.5	19.6	20.7	20.0	21.0	21.4
6H	20.5	21.4	20.9	21.8	22.2	20.3	21.3	20.7	21.7	22.0
8H	20.8	21.7	21.2	22.1	22.5	20.7	21.6	21.1	22.0	22.3
12H	21.1	22.0	21.6	22.4	22.8	21.0	21.8	21.4	22.2	22.6
8H 4H	20.0	21.0	20.5	21.3	21.7	19.9	20.9	20.4	21.2	21.6
6H	21.0	21.7	21.4	22.2	22.6	20.9	21.6	21.3	22.0	22.5
8H	21.4	22.1	21.9	22.6	23.0	21.3	22.0	21.8	22.4	22.9
12H	21.9	22.5	22.4	23.0	23.4	21.8	22.4	22.3	22.8	23.3
12H 4H	20.1	20.9	20.5	21.3	21.7	20.0	20.8	20.4	21.2	21.6
6H	21.1	21.8	21.5	22.2	22.6	21.0	21.7	21.4	22.1	22.5
8H	21.6	22.2	22.1	22.7	23.1	21.5	22.1	22.0	22.5	23.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117, 942.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)
Area: 0.111111 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

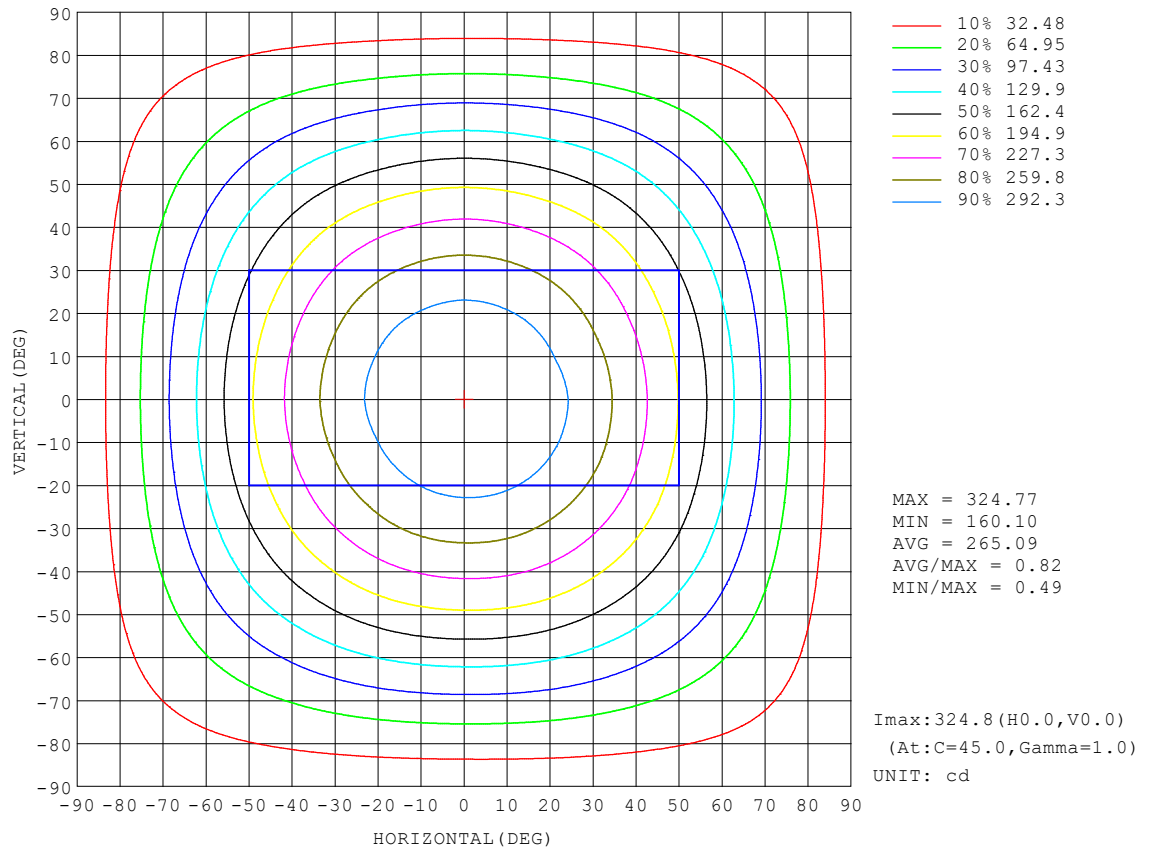
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	61
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	88	99	93	87	95	90	85	77
4.00	105	99	95	103	98	93	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

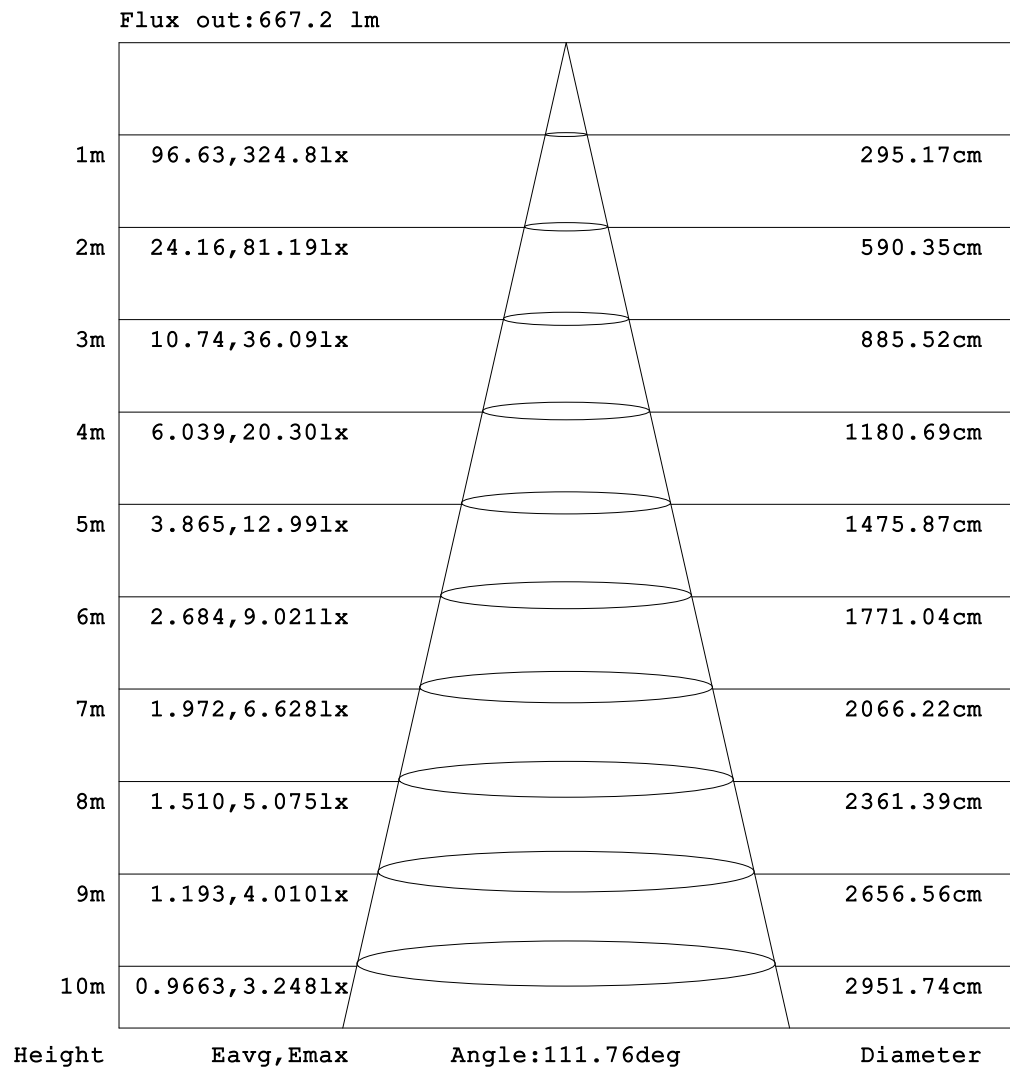


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



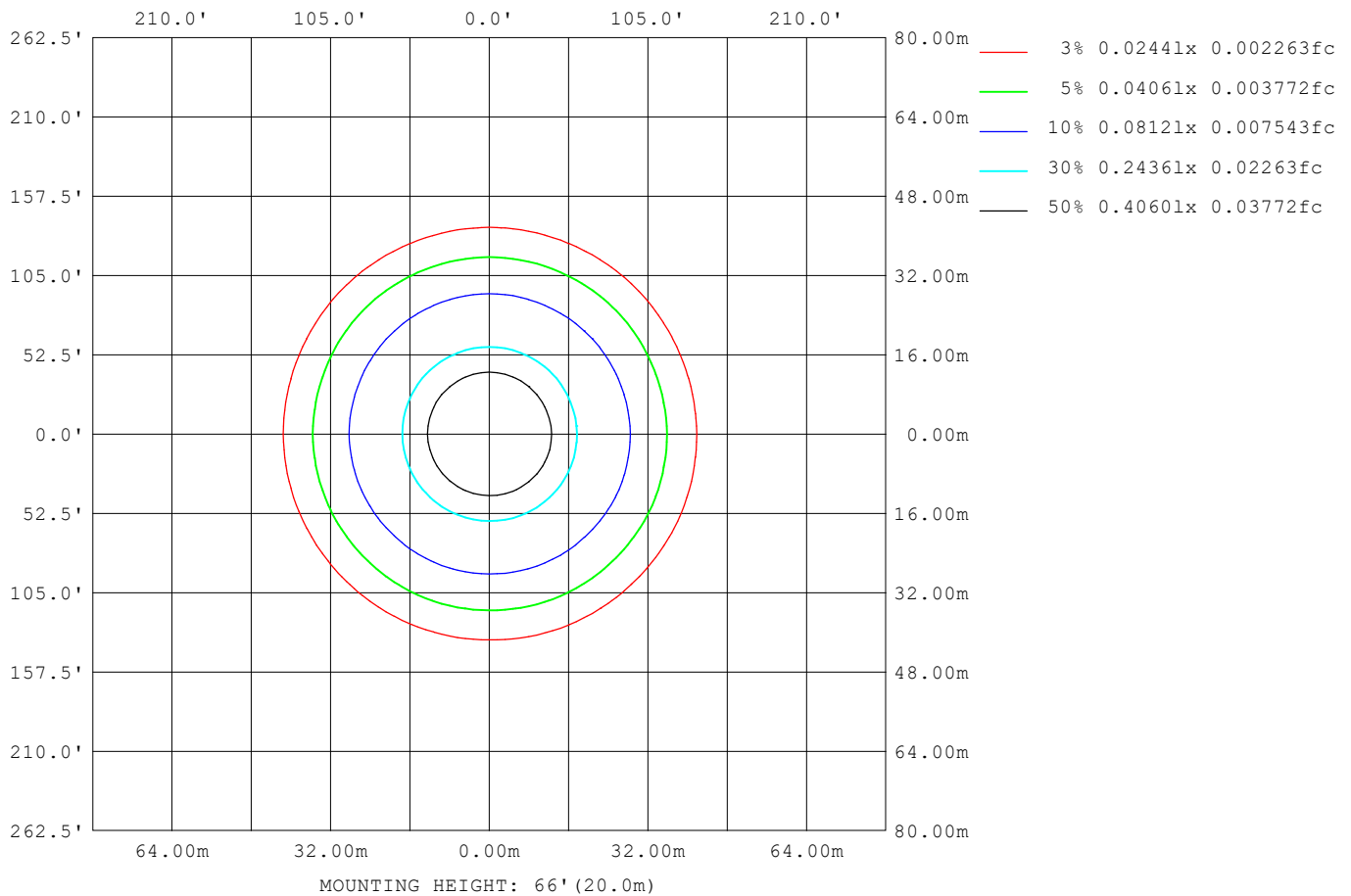
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity:65.0%
 Test Distance:3.080m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.20V I:0.1348A P:14.970W PF:0.9243 Freq:59.98Hz Lamp Flux:942.427x1 lm		
NAME: S6-2790-WH	TYPE:	WEIGHT:
SPEC.:2700K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

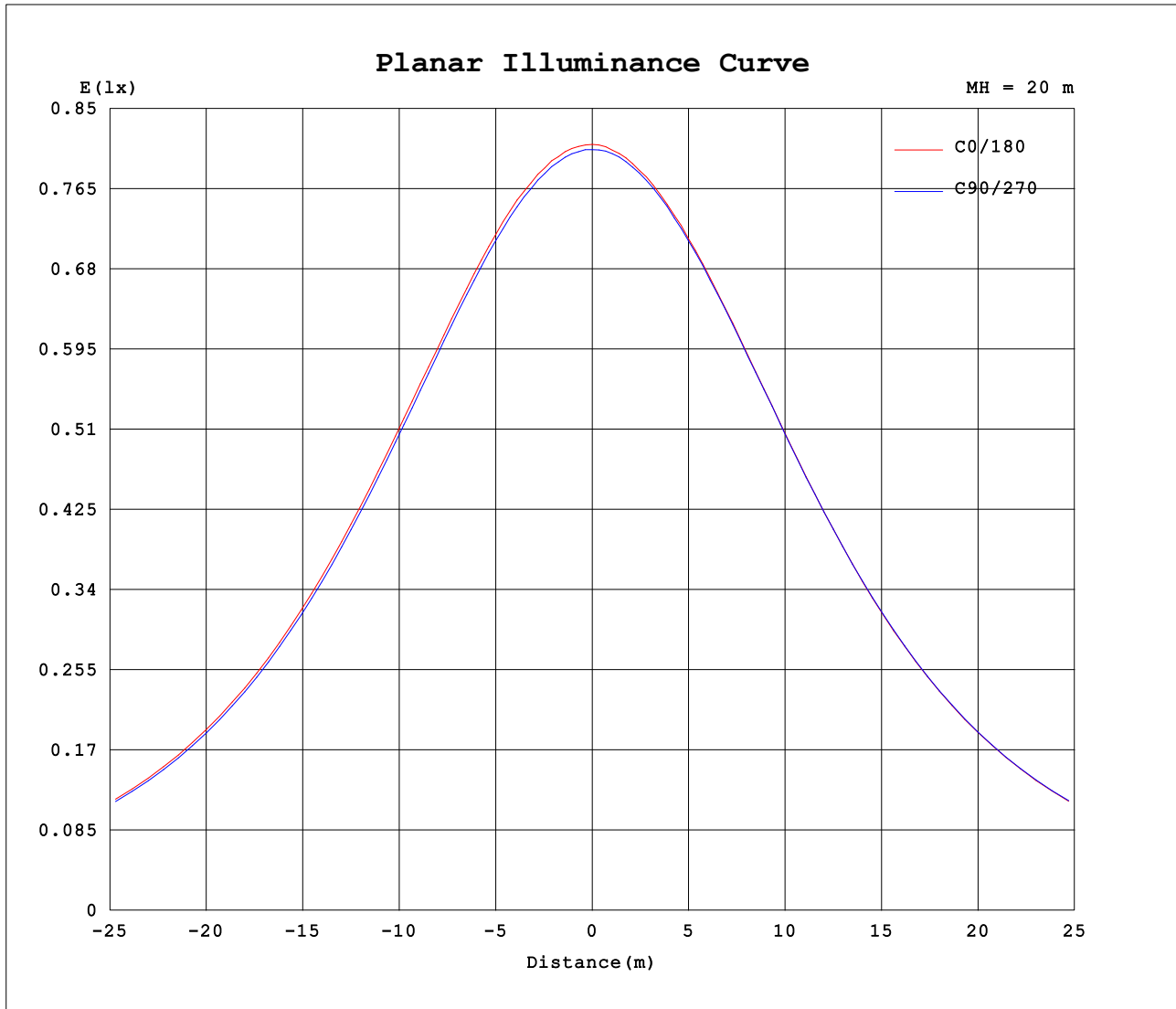
AvgL	cd/m2
L_0~180 (65) av	2482
L_0~180 (75) av	2336
L_0~180 (85) av	2889
L_90~270 (65) av	2482
L_90~270 (75) av	2352
L_90~270 (85) av	2955
L_45 (65) av	2483
L_45 (75) av	2349
L_45 (85) av	2938

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2020-09-10

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2020-09-10

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
 Humidity: 65.0%
 Test Distance: 3.080m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.00.421
Humidity:65.0%
Test Distance:3.080m [K=1.0000]
Remarks:

```