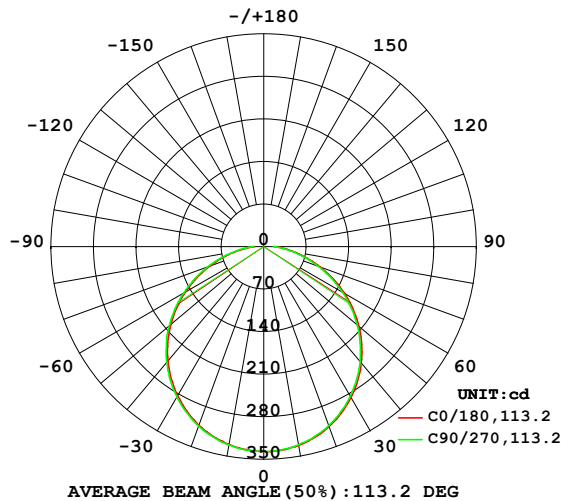


LUMINAIRE PHOTOMETRIC TEST REPORT

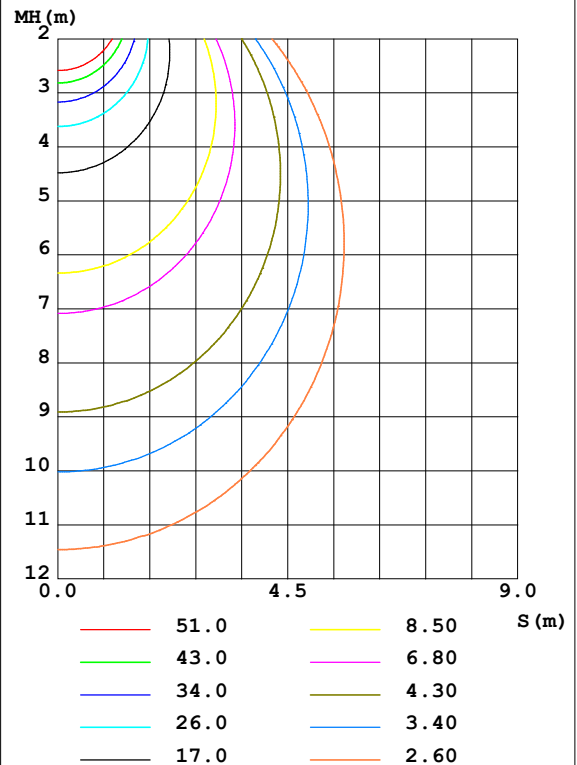
Test:U:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.79 lm/W			
MODEL	S6-3090-WH	I <sub>max</sub> (cd)	337.6	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	993.38	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	993.382	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:

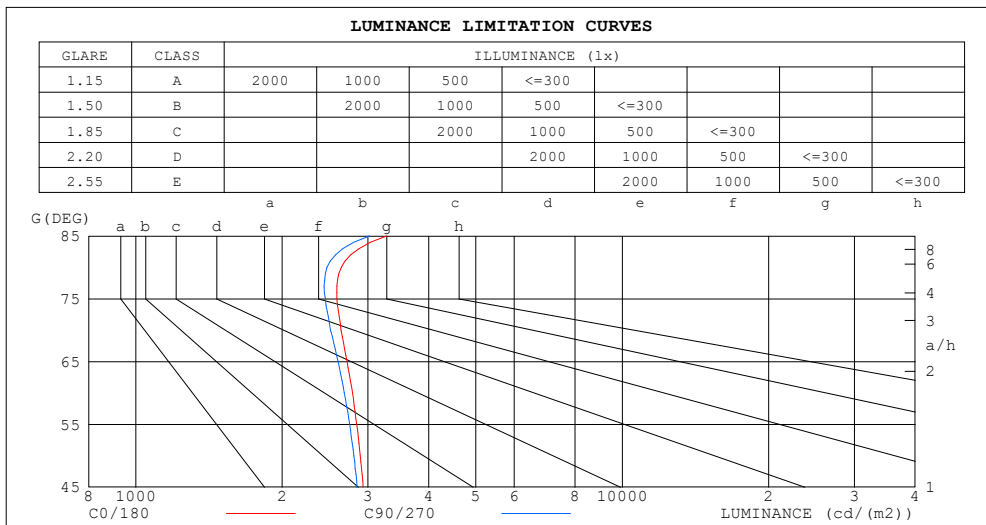
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	332.3	332.0	331.2	330.4	330.4	331.1	331.6	332.0	0- 10	31.91	31.91	3.21,3.21
20	314.9	314.6	313.5	312.2	312.6	312.9	314.1	314.6	10- 20	91.42	123.3	12.4,12.4
30	287.1	286.6	284.7	283.3	283.7	284.8	285.8	286.8	20- 30	138.6	261.9	26.4,26.4
40	249.7	249.1	246.9	245.0	245.2	246.7	248.5	249.5	30- 40	167.4	429.3	43.2,43.2
50	204.4	203.5	200.9	199.2	199.7	201.7	203.3	204.7	40- 50	174.1	603.4	60.7,60.7
60	153.2	152.0	149.4	147.8	148.3	149.9	151.8	153.2	50- 60	158.2	761.6	76.7,76.7
70	99.29	98.06	95.81	94.52	94.53	96.29	98.34	99.53	60- 70	122.6	884.2	89,89
80	50.48	49.54	47.84	46.81	46.30	47.83	49.56	50.89	70- 80	75.99	960.2	96.7,96.7
90	17.08	16.69	15.86	15.06	14.84	15.43	16.44	17.11	80- 90	33.22	993.4	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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	3280	3024
80	2646	2473
75	2590	2452
70	2642	2515
65	2720	2605
60	2789	2683
55	2847	2752
50	2894	2806
45	2935	2851

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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	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	.187	.059	.321	.183	.058	.308	.177	.056	.296	.170	.055	.284	.165	.053		
2.0	.302	.166	.051	.296	.163	.050	.284	.158	.049	.273	.153	.048	.263	.149	.047		
3.0	.277	.147	.044	.271	.145	.044	.261	.141	.043	.251	.138	.042	.242	.134	.042		
4.0	.254	.132	.039	.249	.130	.039	.240	.127	.038	.231	.124	.037	.223	.121	.037		
5.0	.234	.119	.035	.230	.118	.034	.222	.115	.034	.214	.113	.034	.207	.110	.033		
6.0	.216	.109	.031	.213	.107	.031	.205	.105	.031	.199	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.188	.092	.026	.184	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.023	.158	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022		

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	.151	.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	.010	.015	.008	.003	
9.0	.124	.065	.025	.106	.056	.022	.074	.039	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm										
NAME: S6-3090-WH					TYPE:			WEIGHT:		
SPEC.:3000K					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	16.6	18.1	16.8	18.3	18.5	16.4	17.9	16.7	18.2	18.4
3H	18.2	19.6	18.5	19.8	20.1	18.0	19.4	18.3	19.6	19.9
4H	18.9	20.2	19.2	20.5	20.8	18.7	20.0	19.0	20.3	20.5
6H	19.5	20.8	19.8	21.0	21.3	19.2	20.5	19.6	20.8	21.1
8H	19.7	21.0	20.1	21.3	21.6	19.5	20.7	19.8	21.0	21.3
12H	20.0	21.2	20.3	21.5	21.8	19.7	20.9	20.1	21.2	21.5
4H 2H	17.2	18.5	17.5	18.8	19.0	17.0	18.4	17.4	18.7	18.9
3H	19.0	20.2	19.3	20.5	20.8	18.8	20.0	19.2	20.3	20.6
4H	19.8	20.9	20.2	21.2	21.6	19.6	20.7	20.0	21.1	21.4
6H	20.6	21.6	21.0	21.9	22.3	20.4	21.3	20.8	21.7	22.1
8H	20.9	21.8	21.3	22.2	22.6	20.7	21.6	21.1	22.0	22.4
12H	21.3	22.1	21.7	22.5	22.9	21.0	21.8	21.4	22.2	22.6
8H 4H	20.1	21.1	20.6	21.4	21.8	20.0	20.9	20.4	21.3	21.6
6H	21.1	21.9	21.5	22.3	22.7	20.9	21.7	21.3	22.1	22.5
8H	21.6	22.2	22.0	22.7	23.1	21.3	22.0	21.8	22.4	22.9
12H	22.0	22.6	22.5	23.1	23.6	21.8	22.4	22.3	22.8	23.3
12H 4H	20.2	21.0	20.6	21.4	21.8	20.0	20.9	20.4	21.2	21.6
6H	21.2	21.9	21.6	22.3	22.7	21.0	21.7	21.5	22.1	22.6
8H	21.7	22.3	22.2	22.8	23.2	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, 993.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.0)  
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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

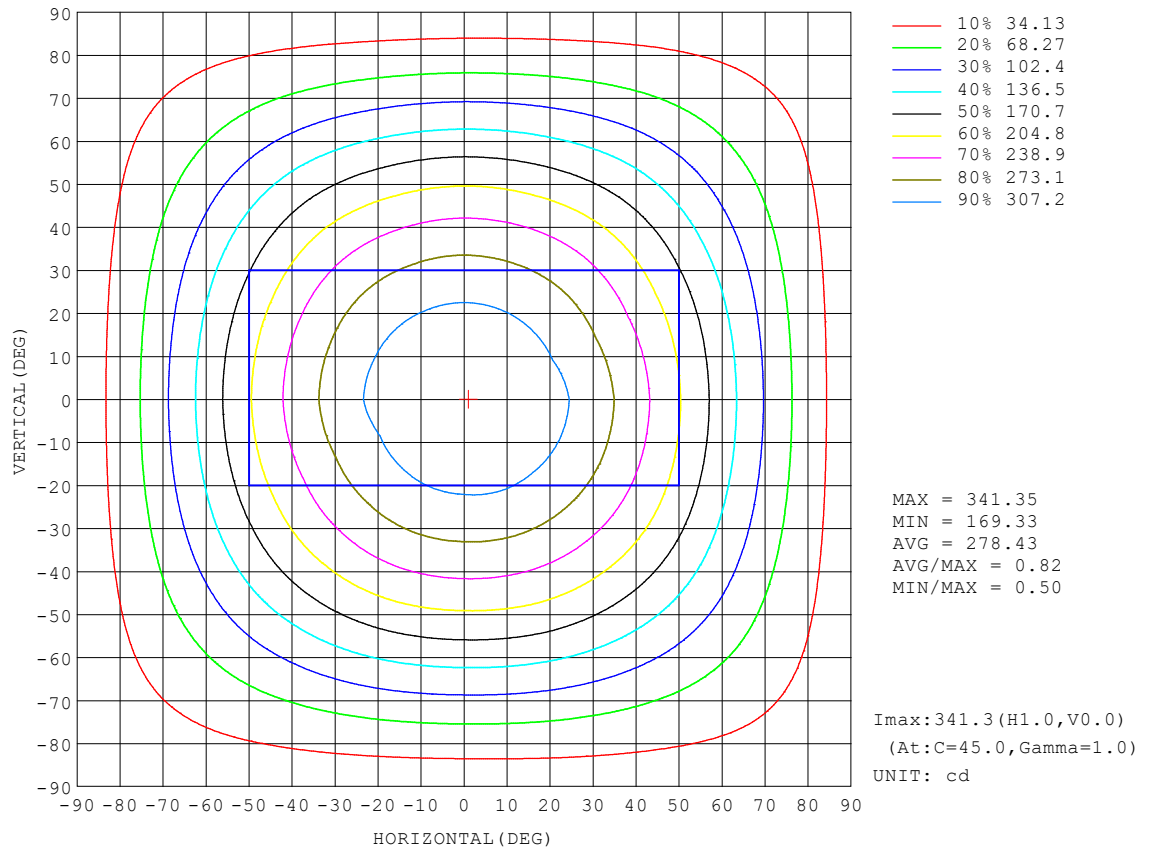
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	89	82	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	88	99	93	87	95	90	85	76
4.00	105	99	95	103	98	93	99	94	90	81
5.00	108	103	98	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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



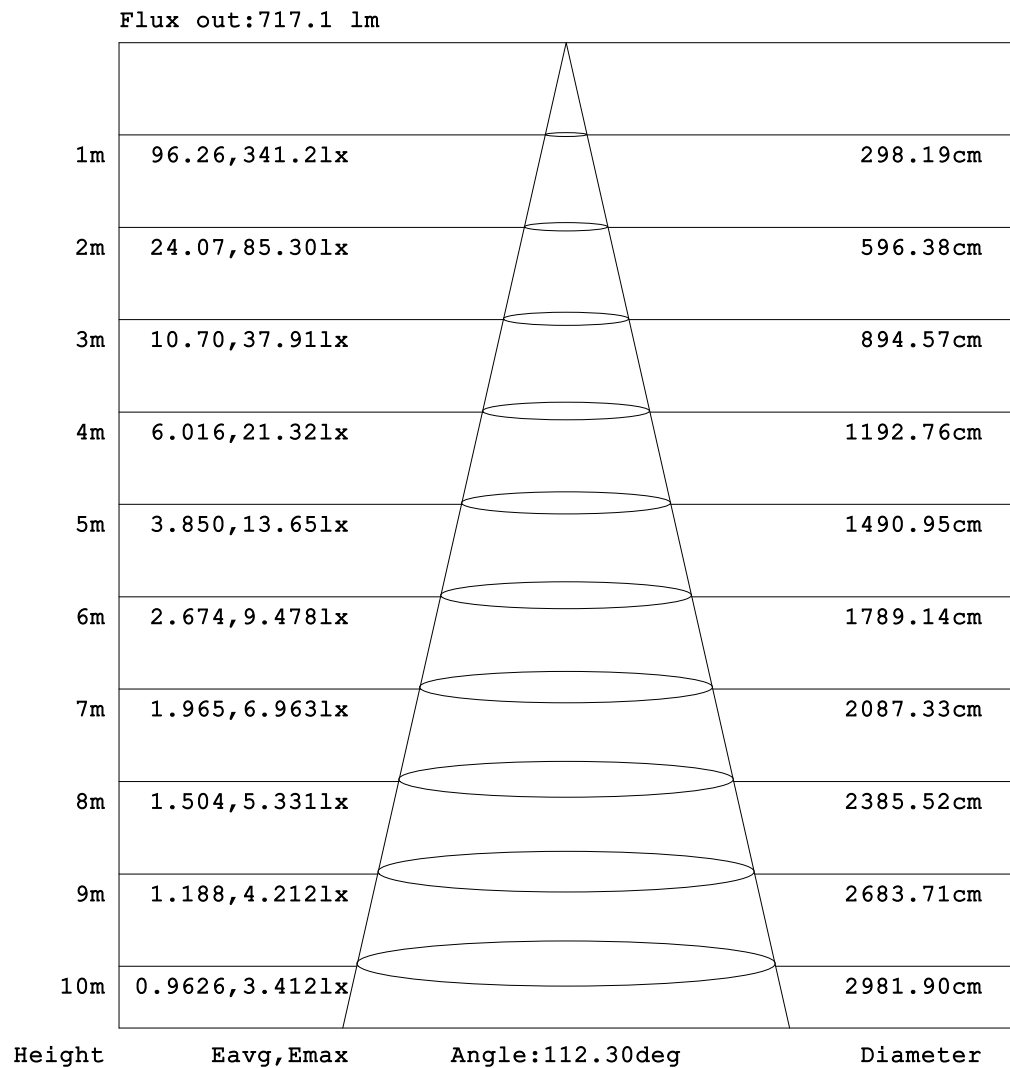
C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2020-09-10

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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:



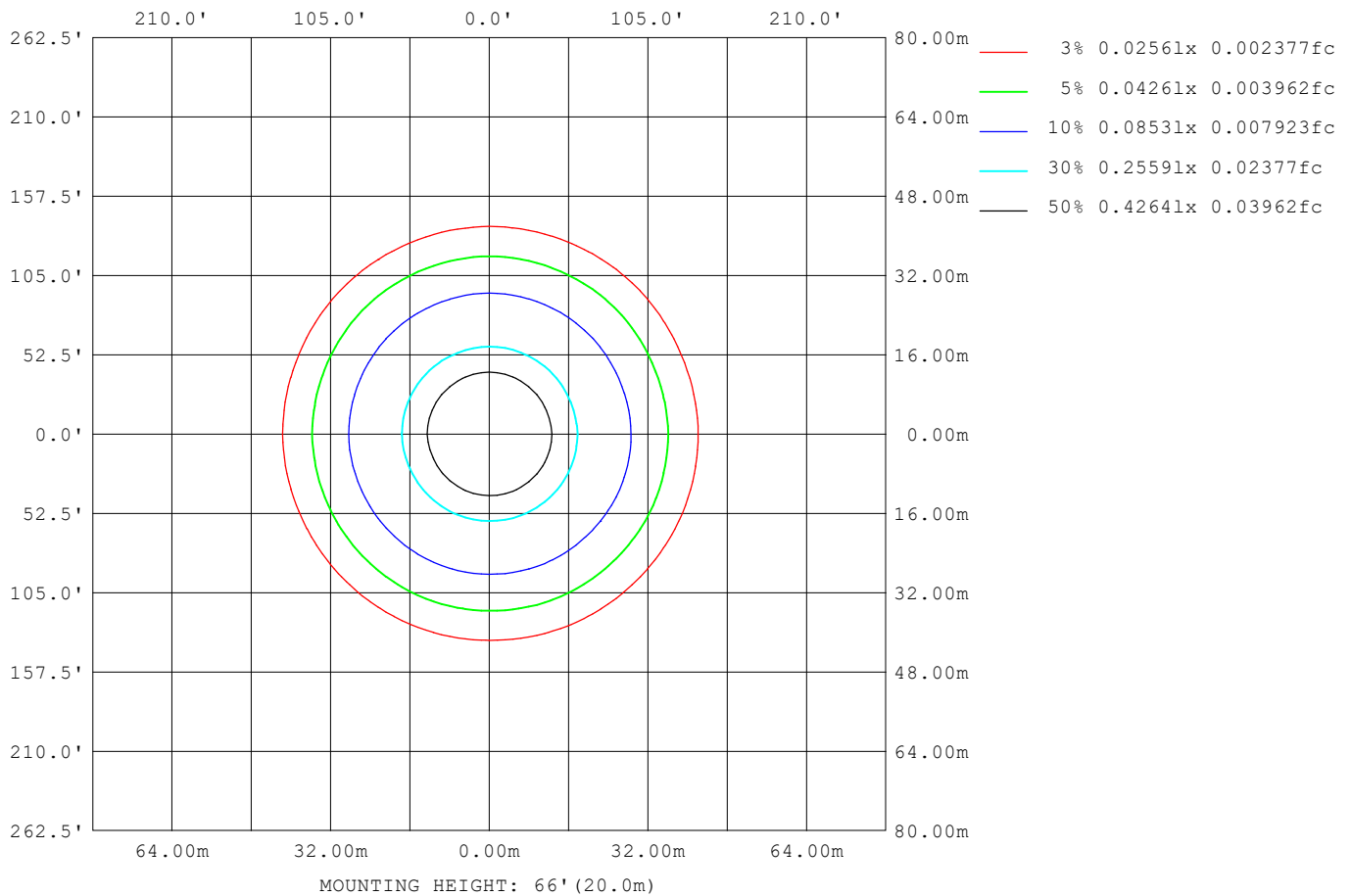
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	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:120.17V I:0.1359A P:15.099W PF:0.9247 Freq:59.98Hz Lamp Flux:993.382x1 lm		
NAME: S6-3090-WH	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:
MFR.: ADS	SUR.:	Shielding Angle:

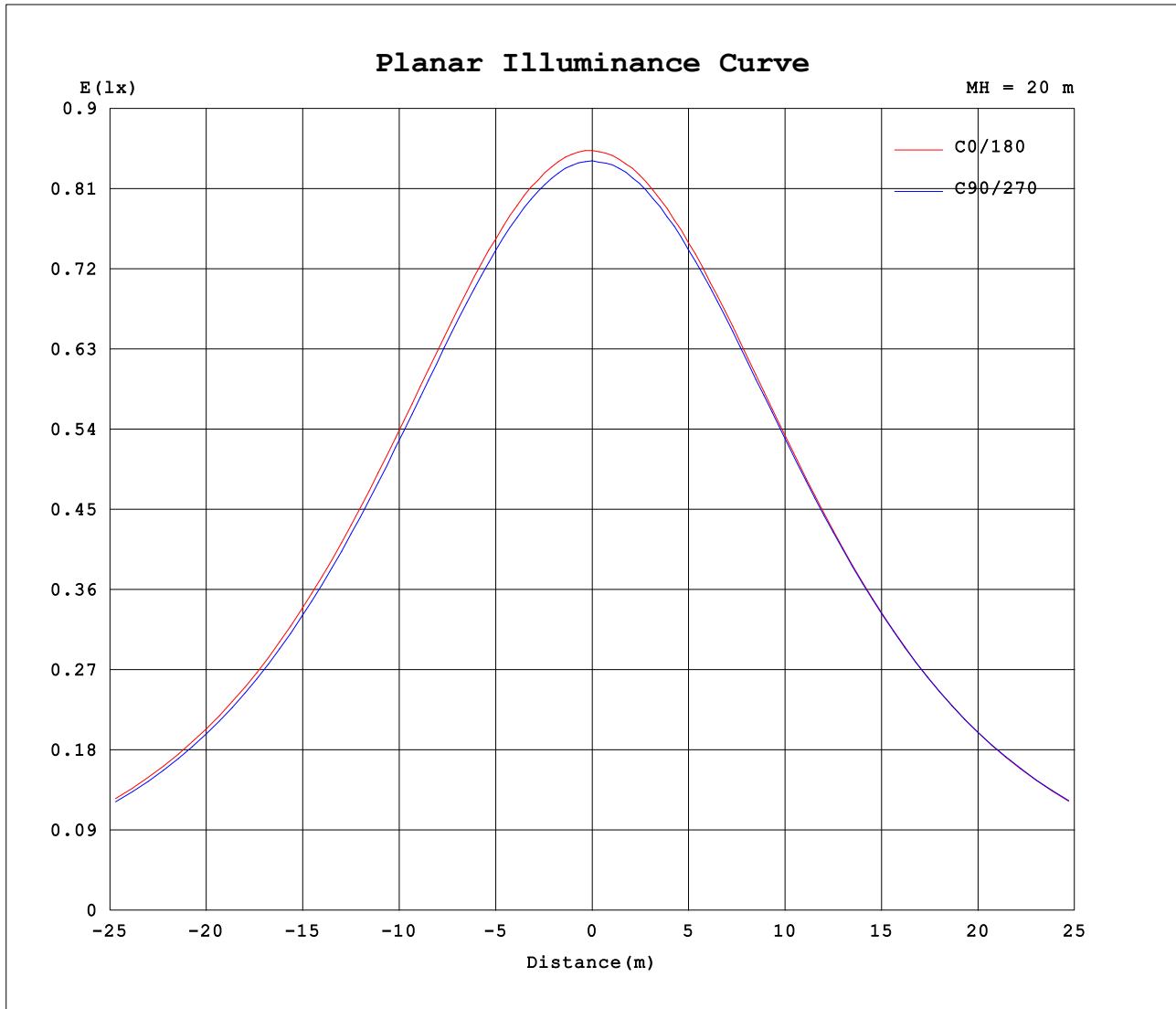
AvgL	cd/m2
L_0~180 (65) av	2637
L_0~180 (75) av	2480
L_0~180 (85) av	3056
L_90~270 (65) av	2637
L_90~270 (75) av	2493
L_90~270 (85) av	3090
L_45 (65) av	2639
L_45 (75) av	2489
L_45 (85) av	3083

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

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:

```