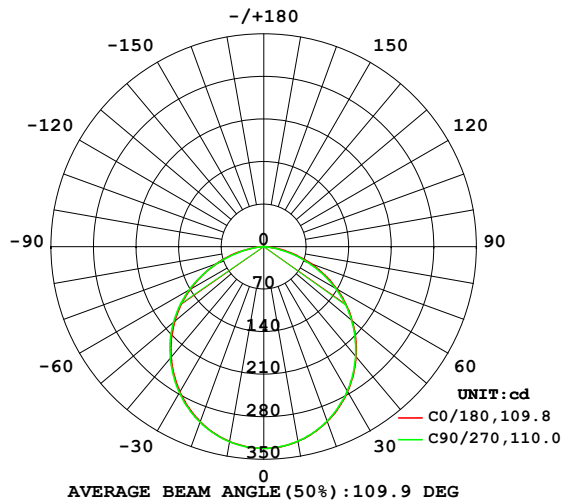


LUMINAIRE PHOTOMETRIC TEST REPORT

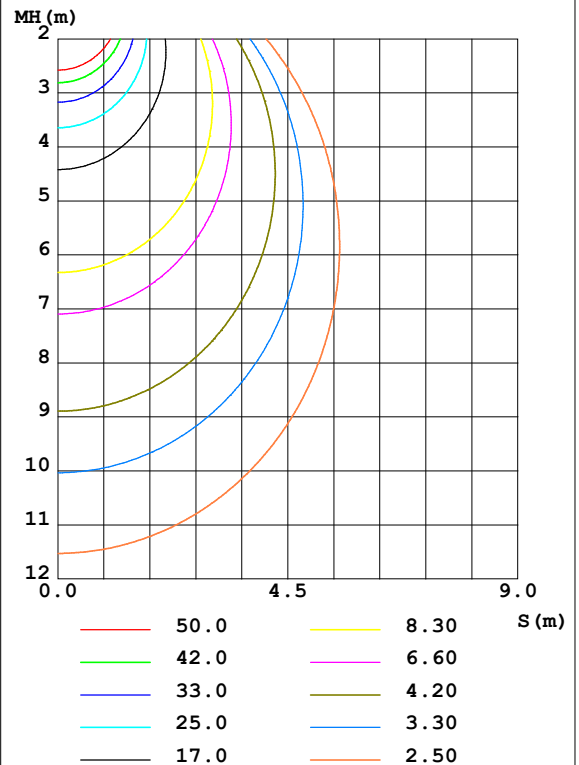
Test:U:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm					
NAME: RSD-6-TUN-WH		TYPE:		WEIGHT:	
SPEC.:3000K 90		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 79.30 lm/W
MODEL		Imax(cd)	331.9	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	905.54	□ UP,DN(C0-180)	0.0,49.6	
NOMINAL FLUX(lm)	905.538	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,50.4	
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120	□ 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:2021-10-18

□ Range: 0 - 90DEG
□ 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:

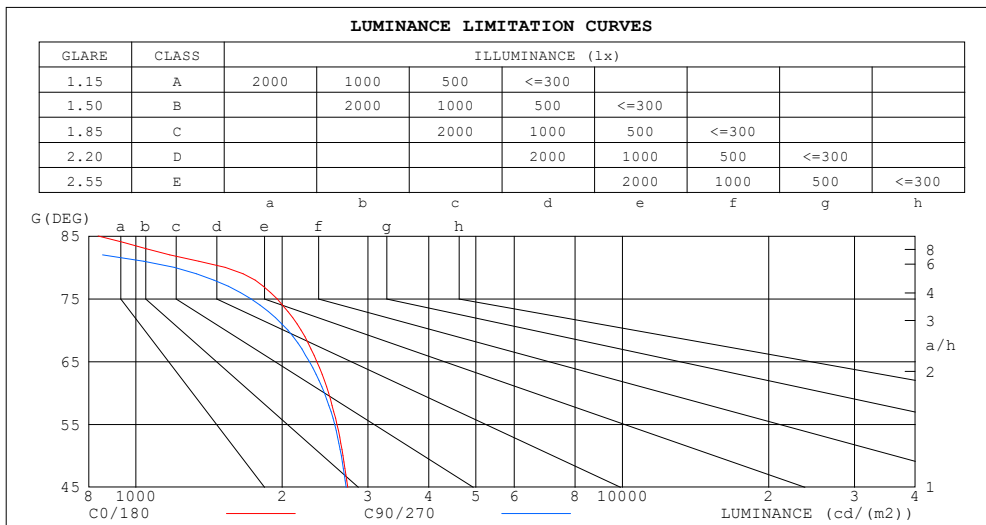
°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	325.2	324.9	324.8	325.0	325.4	325.7	325.9	325.7	0- 10	31.37	31.37	3.46,3.46
20	305.9	305.3	305.4	305.7	306.4	307.0	307.3	307.0	10- 20	89.51	120.9	13.3,13.3
30	275.7	274.6	274.7	275.3	276.2	277.1	277.7	277.3	20- 30	134.7	255.6	28.2,28.2
40	236.4	235.0	235.1	235.9	237.1	238.1	239.2	238.6	30- 40	161.0	416.6	46,46
50	190.2	188.6	188.9	189.7	191.3	192.7	194.0	193.3	40- 50	165.6	582.3	64.3,64.3
60	138.2	136.3	135.6	137.2	139.0	140.5	141.2	141.1	50- 60	148.0	730.2	80.6,80.6
70	83.04	79.99	78.03	80.99	83.53	83.61	82.53	84.02	60- 70	109.2	839.4	92.7,92.7
80	29.45	26.10	23.13	26.70	30.40	28.85	26.42	28.95	70- 80	57.13	896.6	99,99
90	0.1381	0.1305	0.1238	0.1276	0.2348	0.2159	0.2043	0.2187	80- 90	8.969	905.5	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:2021-10-18

□ Range: 0 - 90DEG
□ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	837	142
80	1528	1199
75	1950	1724
70	2187	2053
65	2356	2276
60	2489	2441
55	2592	2563
50	2665	2644
45	2726	2707

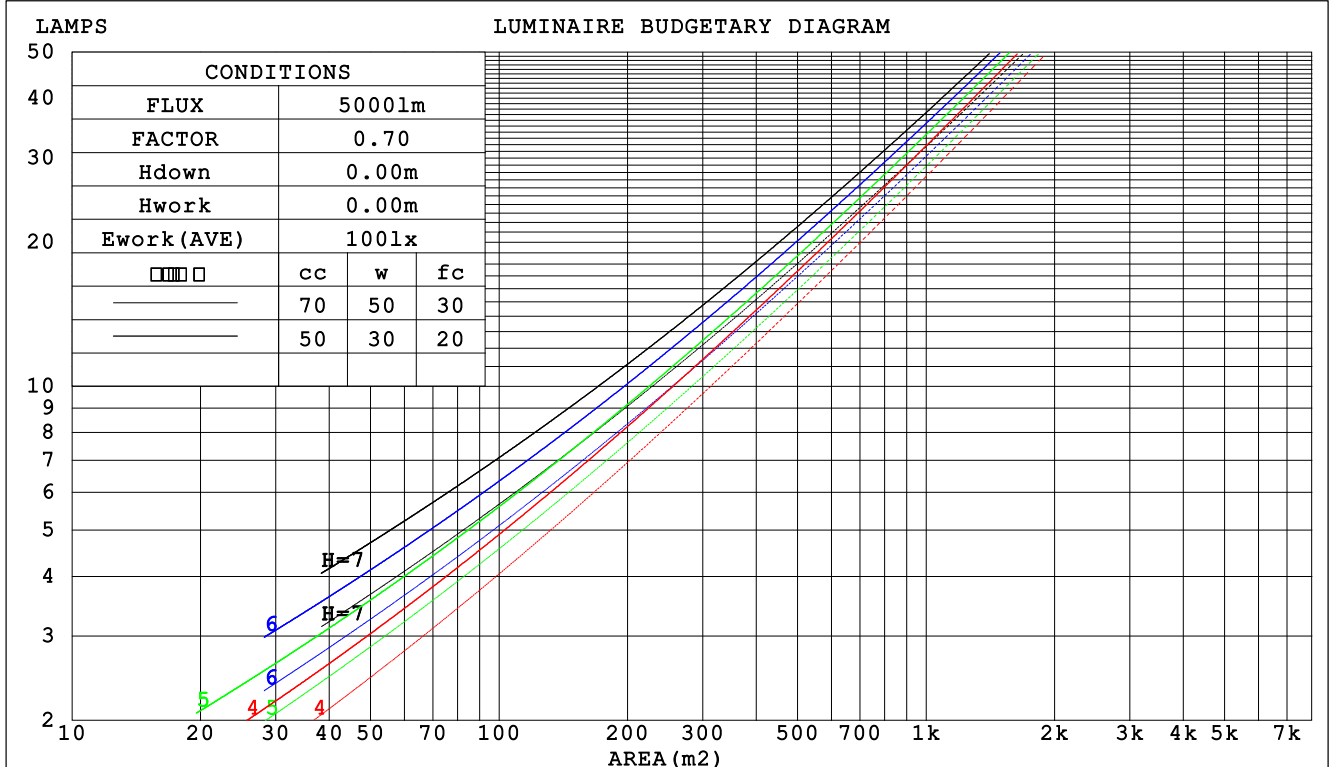
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-18

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

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-18

□ Range: 0 - 90DEG
□ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm					
NAME: RSD-6-TUN-WH			TYPE:		WEIGHT:
SPEC.:3000K 90			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0														
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients (WEC)														
0.0																														
1.0	.296	.168	.053	.289	.165	.052	.276	.158	.051	.264	.152	.049	.252	.146	.047															
2.0	.283	.155	.048	.277	.153	.047	.265	.148	.046	.255	.143	.045	.245	.138	.044															
3.0	.264	.140	.042	.259	.138	.042	.248	.135	.041	.239	.131	.040	.230	.127	.039															
4.0	.245	.127	.037	.240	.126	.037	.231	.122	.037	.222	.119	.036	.214	.117	.035															
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.033	.200	.107	.032															
6.0	.211	.106	.030	.207	.105	.030	.200	.102	.030	.193	.100	.030	.187	.098	.029															
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027															
8.0	.184	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025															
9.0	.173	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023															
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.074	.021															

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
<input type="checkbox"/> fc	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	.179	.156	.135	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.096	.068	.046	.056	.040	.027	.018	.013	.009	
4.0	.156	.101	.059	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.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:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm										
NAME: RSD-6-TUN-WH					TYPE:			WEIGHT:		
SPEC.:3000K 90					DIM.:			SERIAL No.:		
MFR.:					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	16.8	18.2	18.4	16.4	17.9	16.7	18.1	18.4
3H	17.9	19.3	18.2	19.5	19.8	17.8	19.2	18.1	19.4	19.6
4H	18.5	19.8	18.8	20.0	20.3	18.2	19.5	18.5	19.8	20.0
6H	18.8	20.0	19.1	20.3	20.6	18.4	19.7	18.8	19.9	20.2
8H	18.8	20.0	19.1	20.3	20.6	18.4	19.6	18.8	19.9	20.2
12H	18.8	19.9	19.1	20.2	20.5	18.4	19.6	18.8	19.8	20.1
4H 2H	17.1	18.4	17.4	18.6	18.9	17.0	18.3	17.3	18.6	18.8
3H	18.7	19.8	19.0	20.1	20.4	18.5	19.7	18.9	20.0	20.3
4H	19.3	20.3	19.7	20.7	21.0	19.1	20.1	19.4	20.4	20.8
6H	19.7	20.6	20.1	21.0	21.4	19.4	20.3	19.8	20.7	21.0
8H	19.8	20.6	20.2	21.0	21.4	19.4	20.3	19.8	20.6	21.0
12H	19.8	20.6	20.2	21.0	21.4	19.4	20.2	19.8	20.5	21.0
8H 4H	19.5	20.3	19.9	20.7	21.1	19.3	20.1	19.7	20.5	20.9
6H	20.0	20.7	20.4	21.1	21.5	19.7	20.4	20.1	20.8	21.2
8H	20.1	20.7	20.5	21.1	21.6	19.7	20.4	20.2	20.8	21.2
12H	20.1	20.6	20.6	21.1	21.6	19.7	20.3	20.2	20.7	21.2
12H 4H	19.5	20.3	19.9	20.6	21.0	19.3	20.1	19.7	20.4	20.8
6H	20.0	20.6	20.4	21.0	21.5	19.7	20.3	20.1	20.7	21.2
8H	20.1	20.6	20.6	21.1	21.6	19.8	20.3	20.2	20.8	21.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 905.5 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)
Area: 0.111111 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

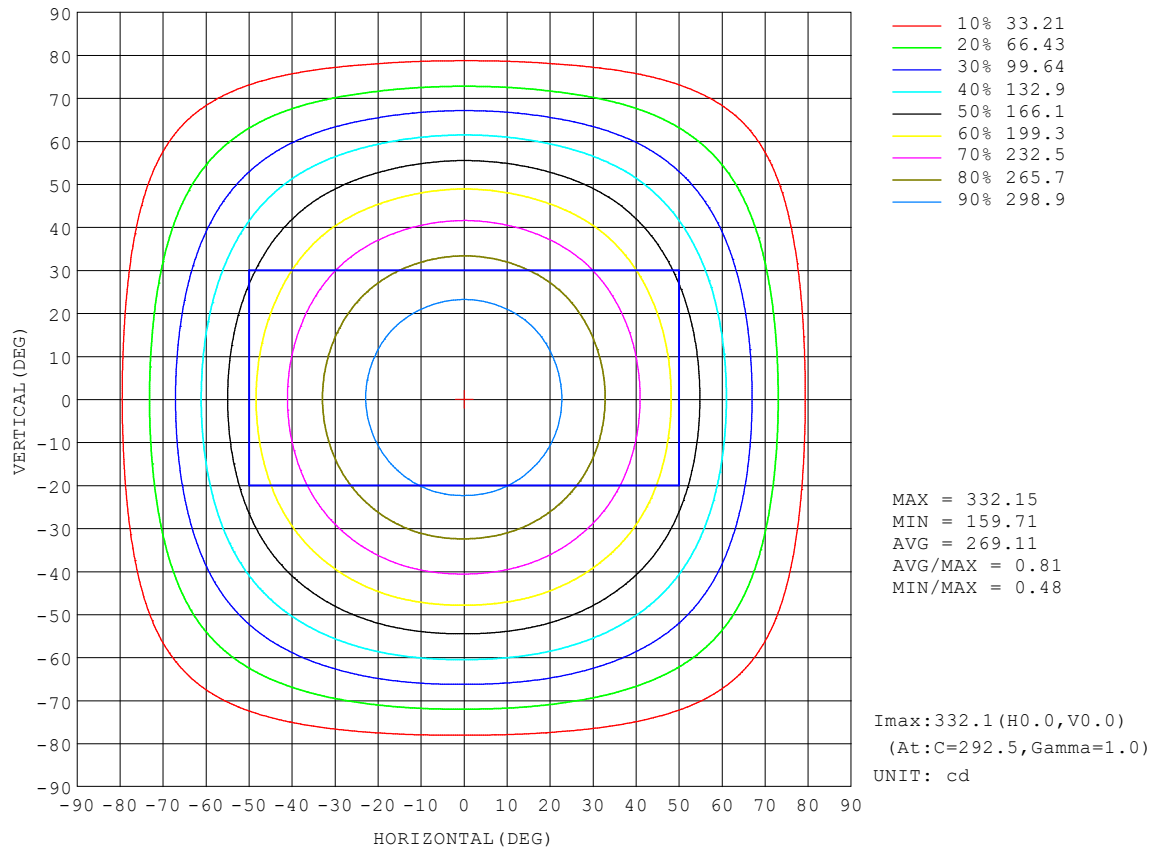
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	47	40	56	46	40	33
0.80	68	57	50	67	56	49	66	56	49	42
1.00	77	66	59	76	65	59	73	67	58	51
1.25	84	74	67	83	73	66	80	72	66	58
1.50	89	79	72	87	78	72	84	77	71	64
2.00	96	87	81	94	86	80	91	84	79	71
2.50	100	92	86	98	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	96	100	96	93	84
5.00	109	105	101	107	103	99	102	99	96	87
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:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

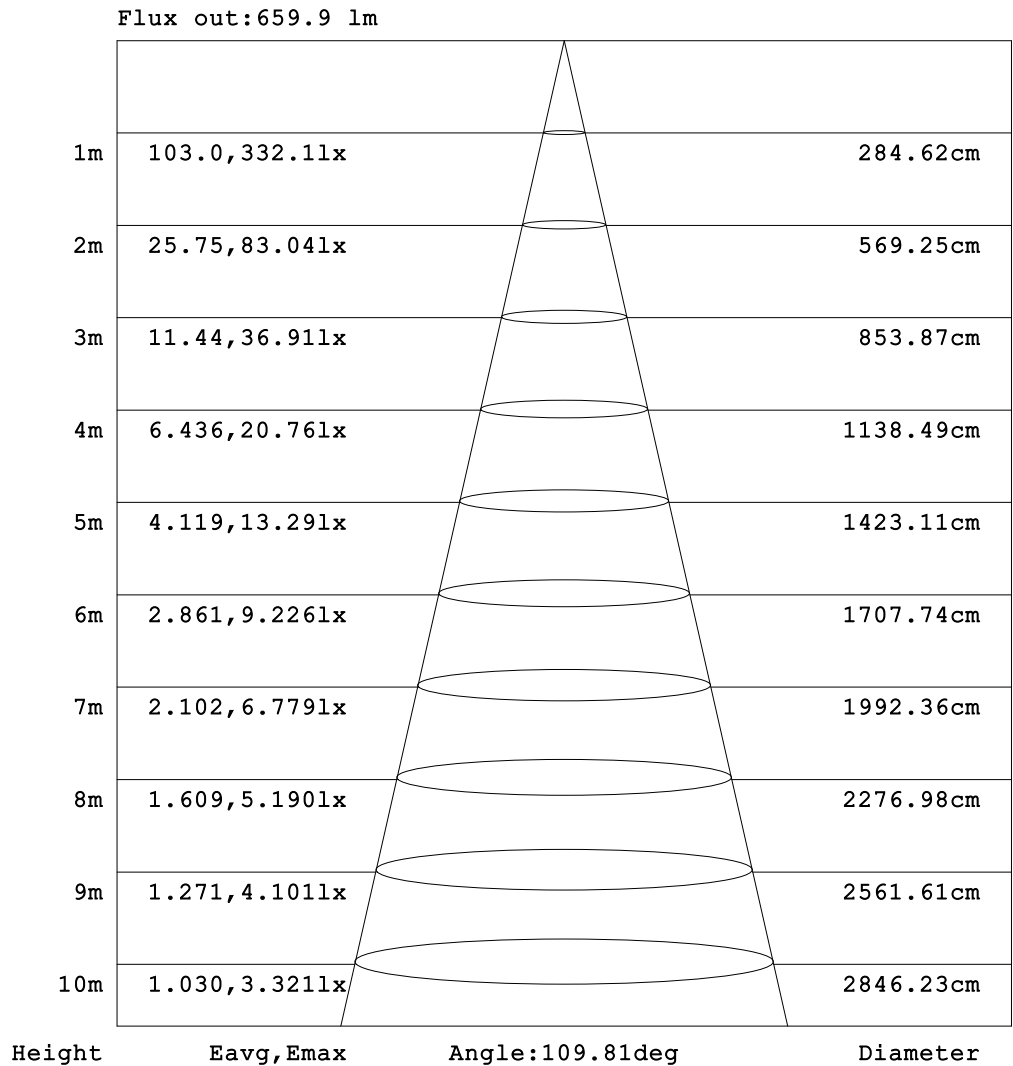


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



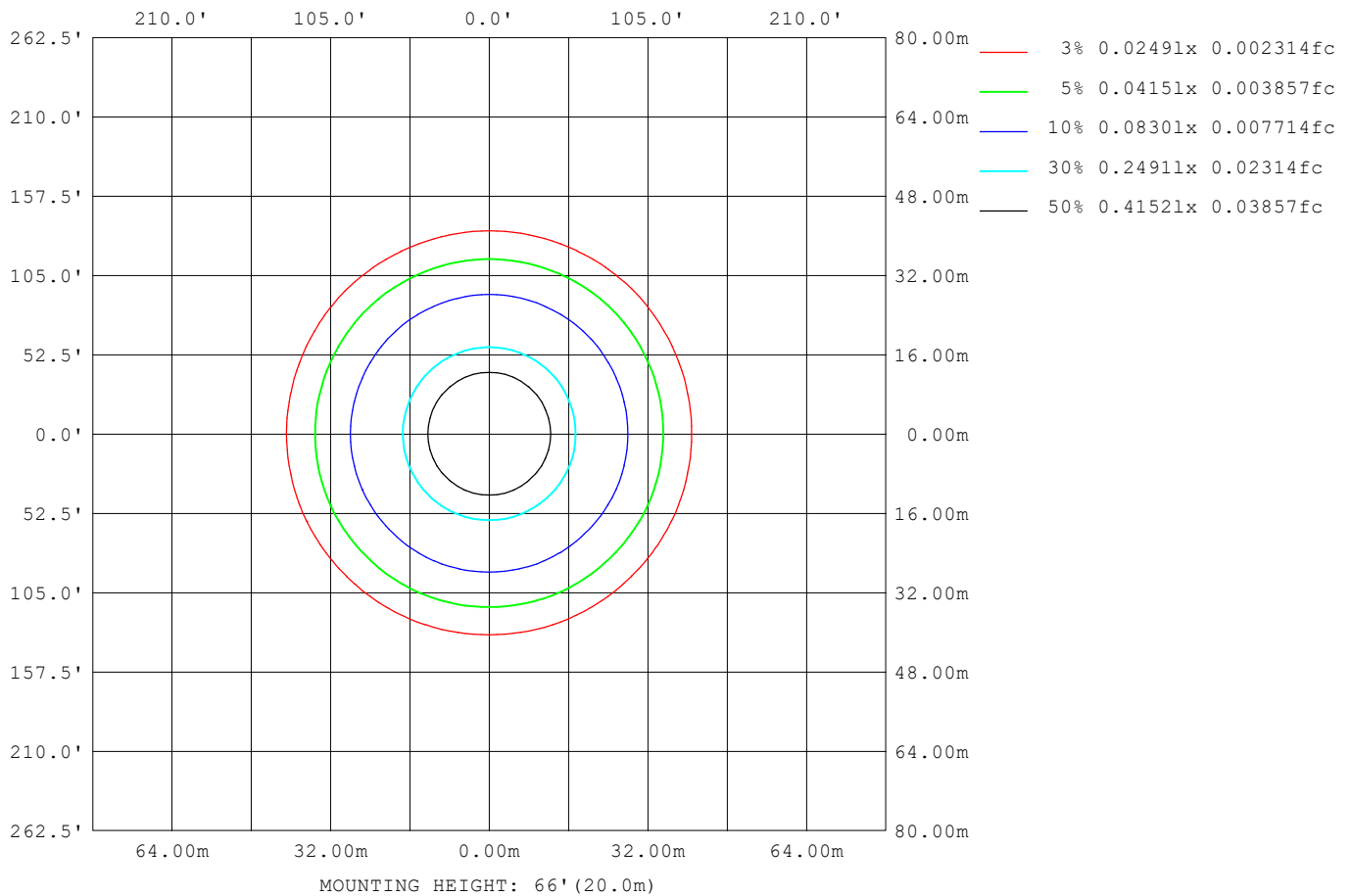
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2021-10-18

☐ Range: 0 - 90DEG
☐ 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:120.01V I:0.1233A P:11.419W PF:0.9238 Freq:59.98Hz Lamp Flux:905.538x1 lm		
NAME: RSD-6-TUN-WH	TYPE:	WEIGHT:
SPEC.:3000K 90	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

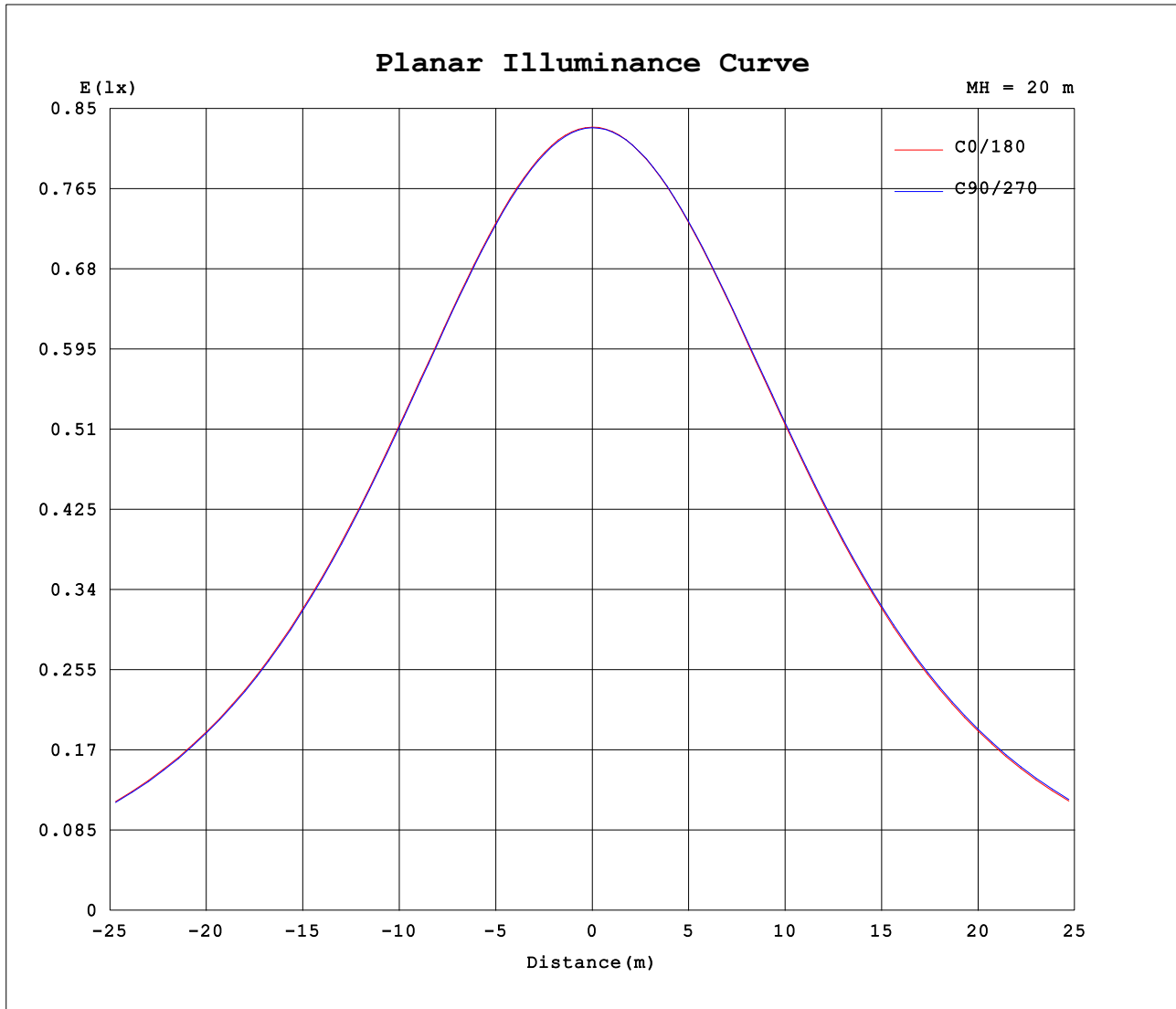
AvgL	cd/m2
L_0~180 (65) av	2362
L_0~180 (75) av	1958
L_0~180 (85) av	874
L_90~270 (65) av	2331
L_90~270 (75) av	1793
L_90~270 (85) av	186
L_45 (65) av	2355
L_45 (75) av	1877
L_45 (85) av	504

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2021-10-18

☐ Range: 0 - 90DEG
☐ 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: 2021-10-18

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