

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

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ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	202.7	203.5	206.9	204.2	203.8	204.9	205.4	204.6	0- 10	19.55	19.55	3.22,3.22
20	194.5	190.0	187.6	195.9	196.5	197.6	193.8	196.5	10- 20	56.62	76.18	12.5,12.5
30	178.6	170.9	173.3	175.2	182.8	180.0	171.3	178.0	20- 30	86.04	162.2	26.7,26.7
40	155.1	149.2	155.1	154.5	161.0	151.0	156.0	147.7	30- 40	103.9	266.1	43.8,43.8
50	125.6	124.2	133.5	128.1	131.5	130.5	131.4	125.8	40- 50	109.6	375.6	61.8,61.8
60	89.45	95.28	105.4	101.4	95.79	100.5	92.83	93.74	50- 60	100.3	475.9	78.3,78.3
70	50.30	60.51	50.76	67.80	55.18	60.61	61.49	55.53	60- 70	76.16	552.1	90.8,90.8
80	18.40	16.62	24.74	18.47	19.85	21.94	20.82	18.87	70- 80	39.20	591.3	97.3,97.3
90	2.657	14.99	16.87	16.39	2.955	13.38	14.42	12.31	80- 90	16.61	607.9	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		

Conical surface Flux(90deg): 320.87 lm

%lum = 52.8%

%lamp = 52.8%

Conical surface Flux(120deg): 475.91 lm

%lum = 78.3%

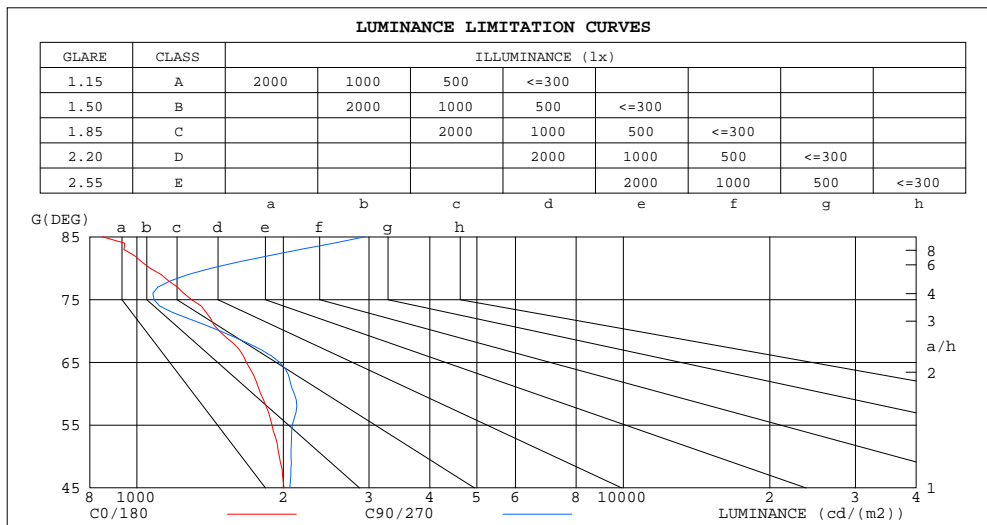
%lamp = 78.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-09-07

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:11.635m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	849	2939
80	1064	1423
75	1295	1084
70	1477	1482
65	1679	1965
60	1797	2106
55	1896	2087
50	1963	2074
45	2007	2062

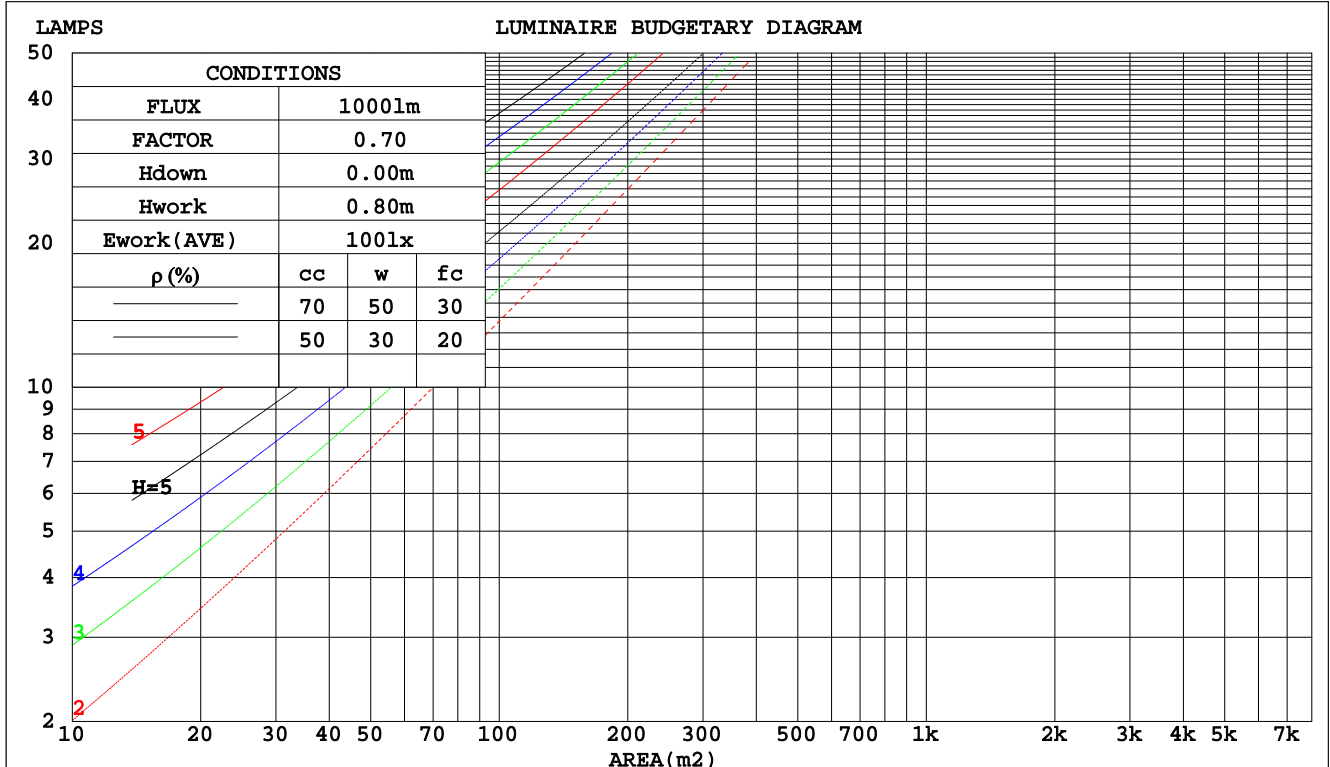
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity: 65.0%
Test Distance: 11.635m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	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						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	1.02	1.02	1.02	1.00
1.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 22.5DEG
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 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-09-07

γ Range: 0 - 90DEG
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 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 11.635m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	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	.317	.180	.057	.310	.177	.056	.297	.170	.054	.284	.164	.053	.273	.158	.051		
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.272	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.228	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.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	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.084	.101	.079	.059	.058	.046	.034	.019	.015	.011	
3.0	.165	.114	.074	.141	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.050	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.051	.032	.017	.017	.010	.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	.129	.070	.029	.111	.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:2022-09-07

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm											
NAME: S08-19-2 L2820B RGBW 1.2M						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:			
MFR.: Traxon Technologies						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	17.3	18.9	17.6	19.1	19.3	
	3H	17.9	19.3	18.2	19.5	19.8	18.6	20.0	18.9	20.3	
	4H	18.4	19.8	18.7	20.0	20.3	18.9	20.2	19.2	20.5	
	6H	18.7	20.0	19.1	20.3	20.5	19.1	20.4	19.5	20.7	
	8H	18.8	20.0	19.1	20.3	20.6	19.4	20.7	19.8	21.0	
	12H	18.8	20.0	19.2	20.3	20.6	19.9	21.1	20.3	21.4	
4H	2H	17.2	18.6	17.5	18.8	19.1	17.9	19.3	18.2	19.5	
	3H	18.8	20.0	19.1	20.3	20.6	19.3	20.5	19.7	20.8	
	4H	19.5	20.6	19.9	20.9	21.2	19.6	20.7	20.0	21.0	
	6H	19.9	20.8	20.3	21.2	21.5	20.0	21.0	20.4	21.3	
	8H	20.0	20.9	20.4	21.2	21.6	20.4	21.3	20.8	21.7	
	12H	20.0	20.8	20.4	21.2	21.6	21.1	21.9	21.5	22.3	
8H	4H	19.6	20.5	20.1	20.9	21.3	19.8	20.7	20.2	21.0	
	6H	20.1	20.9	20.6	21.3	21.7	20.3	21.0	20.7	21.5	
	8H	20.3	20.9	20.7	21.3	21.8	20.9	21.5	21.3	22.0	
	12H	20.4	21.0	20.9	21.4	21.9	21.8	22.4	22.3	22.8	
12H	4H	19.6	20.5	20.1	20.9	21.3	19.7	20.6	20.2	21.0	
	6H	20.1	20.8	20.6	21.2	21.7	20.3	21.0	20.8	21.4	
	8H	20.3	20.9	20.8	21.4	21.8	21.0	21.6	21.5	22.0	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.1					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.4 / - 0.7					

CIE Pub.117, 607.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.7)
Area: 0.1 m2

C Range: 0 - 360DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

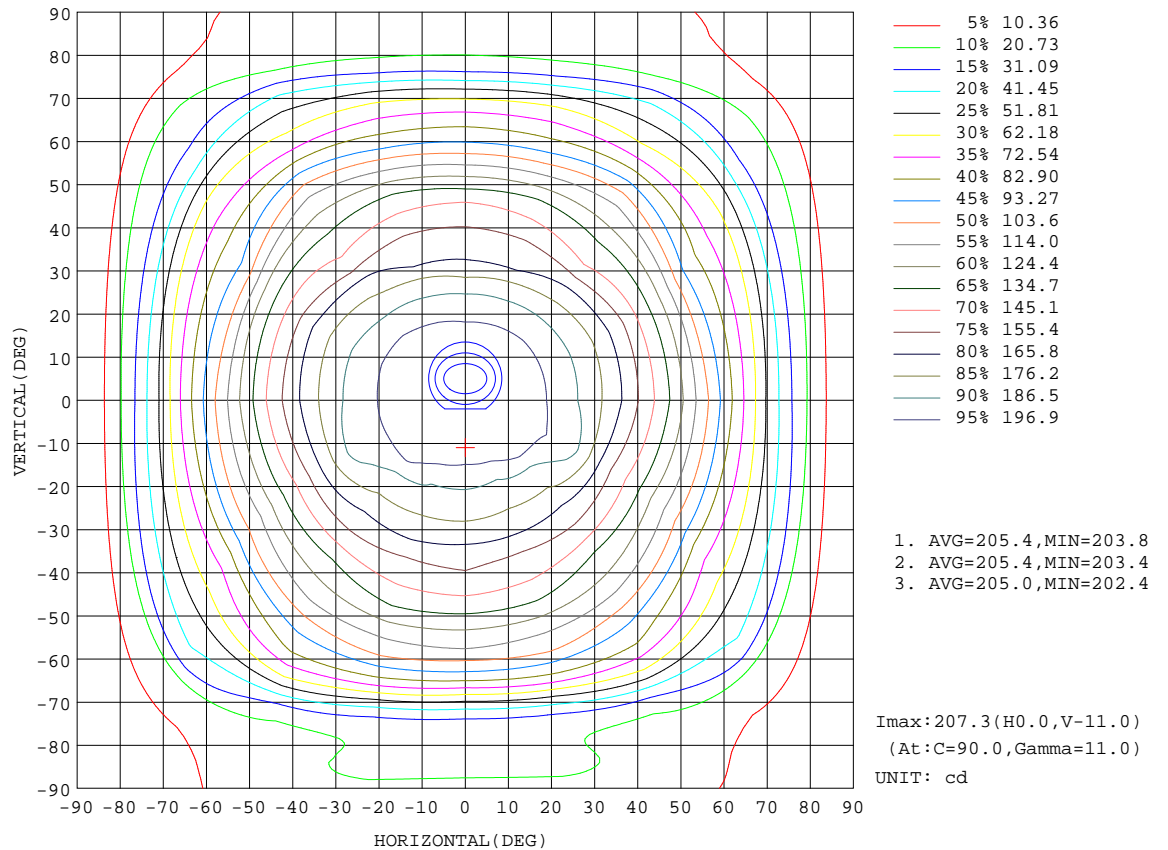
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	84	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



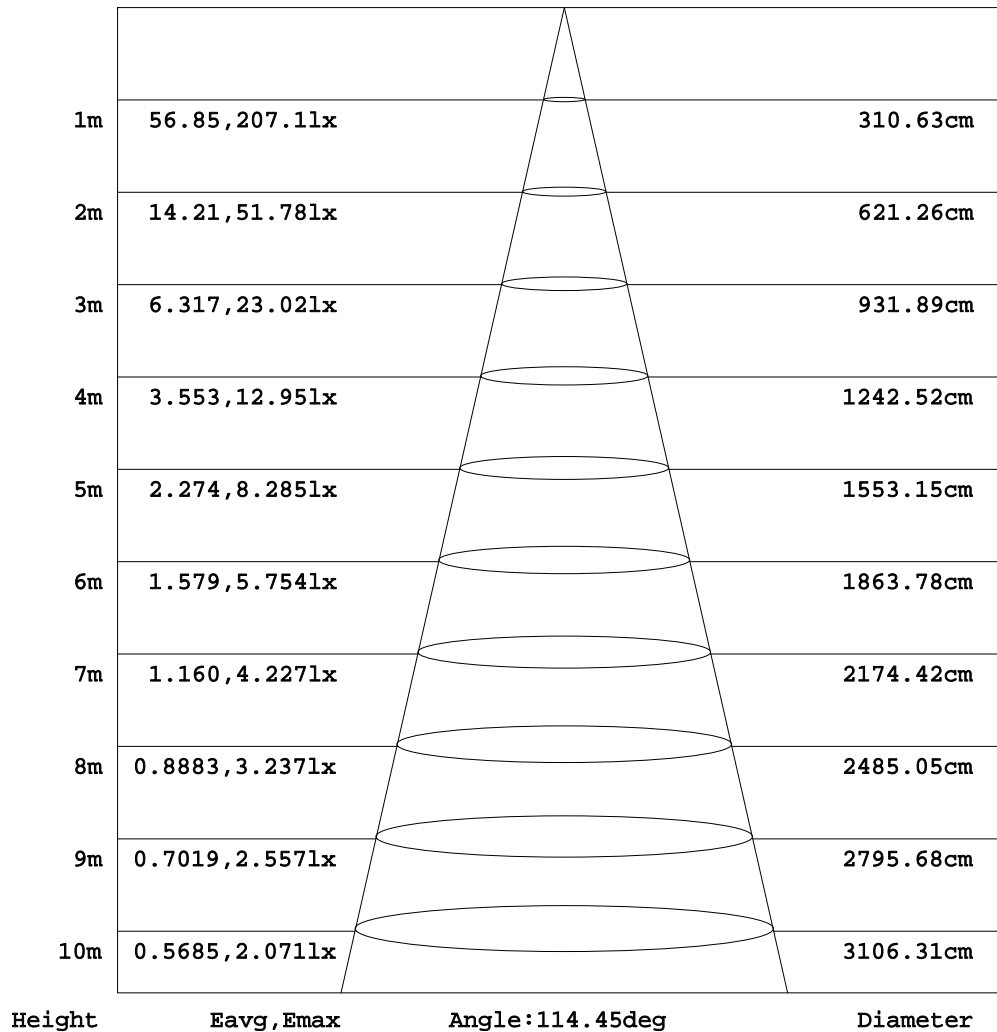
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AAI Figure

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

Flux out:457.4 lm



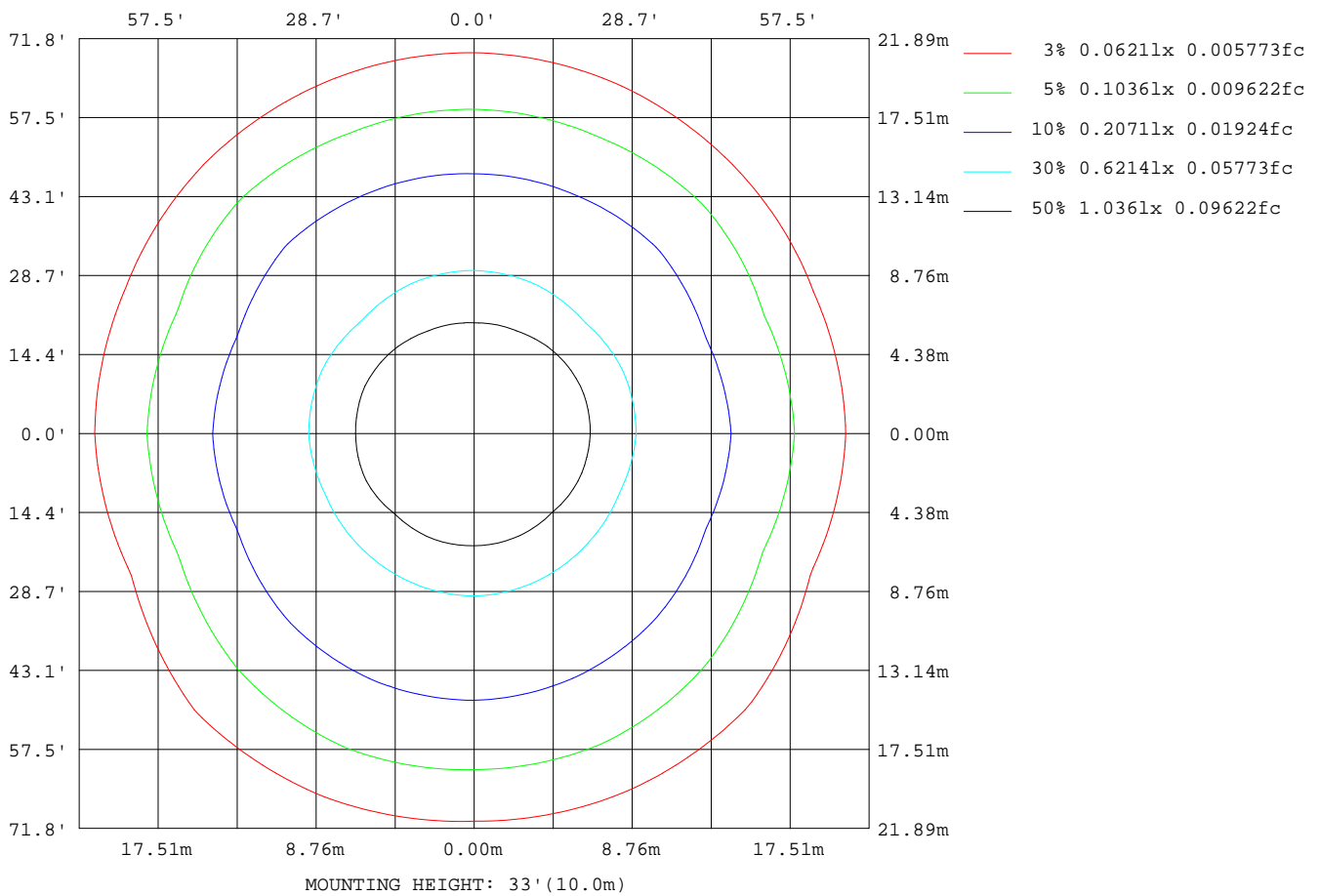
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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Remarks:

ISOLUX DIAGRAM

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



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Remarks:

LED Avg.L Report

Test:U:23.998V I:0.6078A P:14.586W PF:1.0000 Freq:50.01Hz Lamp Flux:607.876x1 lm		
NAME: S08-19-2 L2820B RGBW 1.2M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

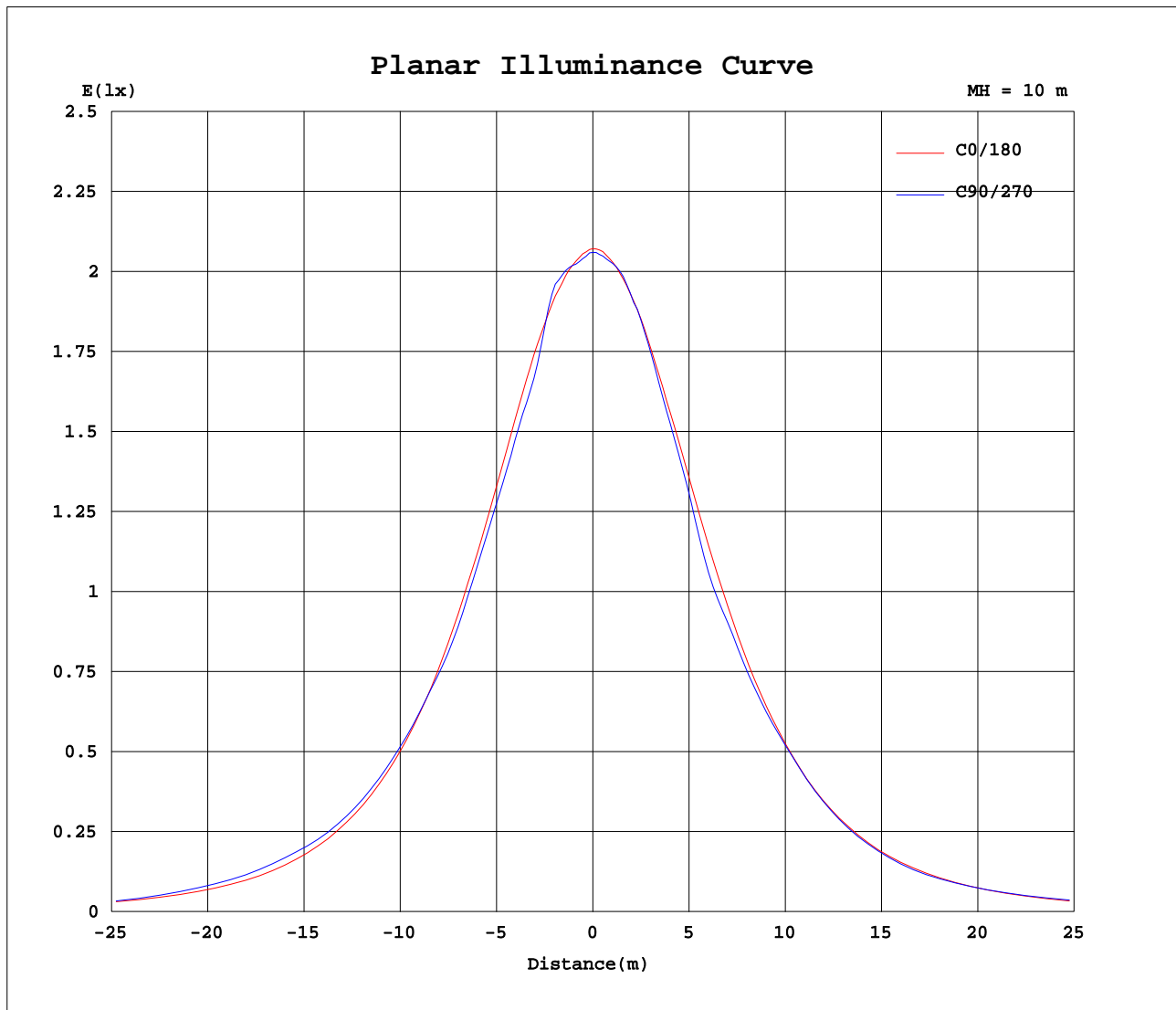
AvgL	cd/m2
L_0~180(65)av	1739
L_0~180(75)av	1350
L_0~180(85)av	849
L_90~270(65)av	1910
L_90~270(75)av	1253
L_90~270(85)av	2542
L_45(65)av	1886
L_45(75)av	1474
L_45(85)av	1692

Standard: GB/T 29293-2012

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Planar Illuminance Curve



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