

```

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:

```

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	60.49	61.26	61.65	61.57	61.13	61.32	61.74	61.09	0- 10	5.886	5.886	3.27,3.27
20	57.91	58.27	57.65	58.76	58.80	60.09	56.74	59.75	10- 20	17.04	22.92	12.7,12.7
30	52.74	52.18	50.14	53.20	54.59	52.90	53.51	52.26	20- 30	25.76	48.69	27,27
40	46.08	43.36	44.42	44.41	48.17	47.25	46.78	46.60	30- 40	31.10	79.79	44.3,44.3
50	37.74	35.52	34.94	36.58	39.37	38.57	41.14	37.66	40- 50	32.40	112.2	62.3,62.3
60	26.21	24.06	23.32	25.70	28.60	31.19	34.30	29.64	50- 60	29.12	141.3	78.5,78.5
70	14.58	13.48	13.47	14.35	16.36	22.42	22.15	21.62	60- 70	22.06	163.4	90.7,90.7
80	7.249	4.592	4.924	4.964	6.116	6.955	8.113	7.072	70- 80	11.80	175.2	97.3,97.3
90	1.396	3.068	3.343	3.157	1.684	4.710	6.229	4.539	80- 90	4.883	180.1	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): 96.071 lm

%lum = 53.4%

%lamp = 53.4%

Conical surface Flux(120deg): 141.31 lm

%lum = 78.5%

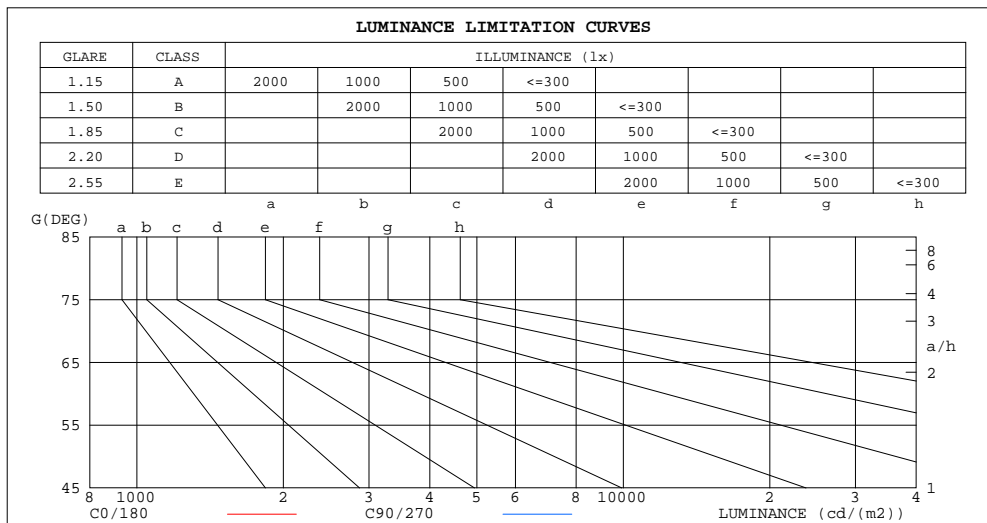
%lamp = 78.5%

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:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm		
NAME: S08-19-1 L2820B RGBW 0.3M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	391	473
80	419	283
75	394	283
70	427	393
65	487	444
60	526	466
55	568	497
50	589	543
45	594	572

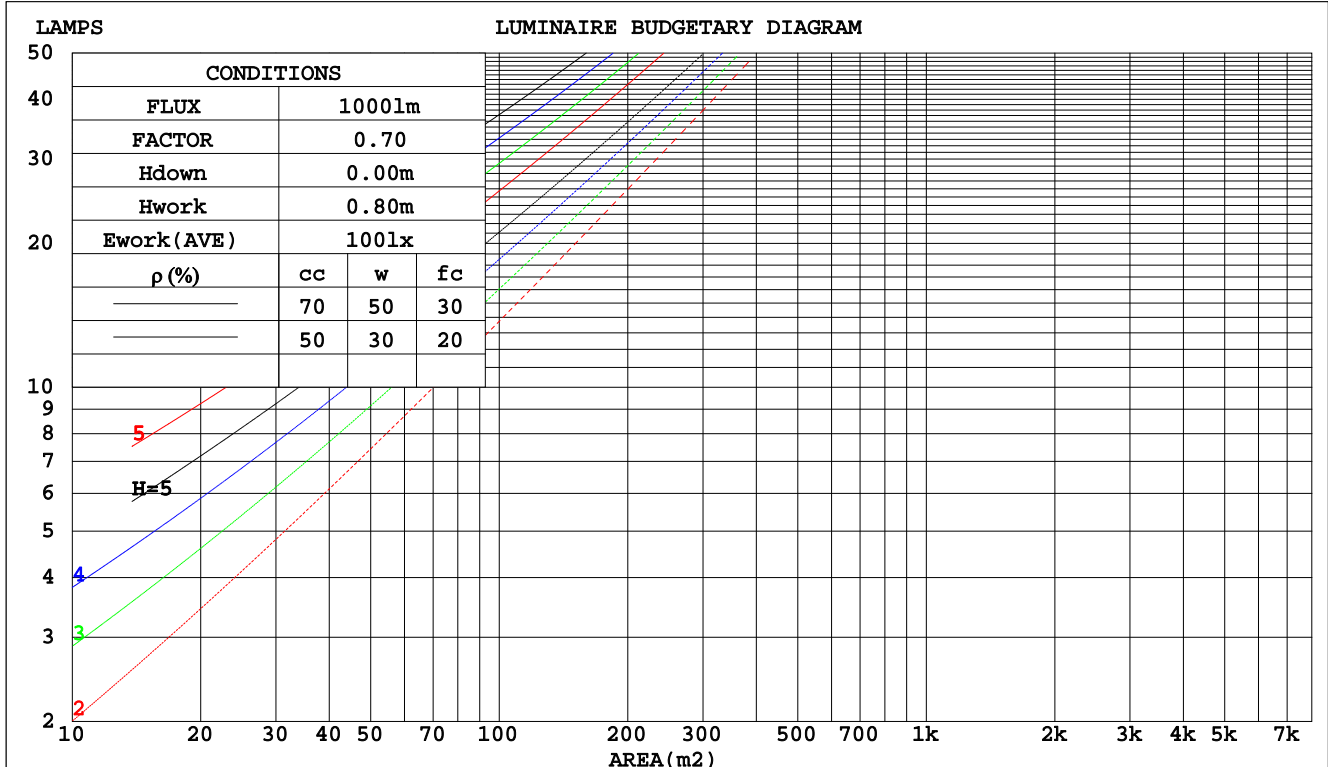
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Test Distance: 11.635m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.998V I:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm		
NAME: S08-19-1 L2820B RGBW 0.3M	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	.00
1.0	1.04	.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	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.47	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
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Remarks:

WEC AND CCEC

Test:U:23.998V I:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm		
NAME: S08-19-1 L2820B RGBW 0.3M	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	.316	.180	.057	.309	.176	.056	.296	.170	.054	.283	.164	.052	.272	.158	.051		
2.0	.294	.161	.049	.288	.159	.049	.276	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.271	.144	.043	.266	.142	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.161	.078	.022	.157	.077	.022	.152	.076	.022	.148	.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	.035	.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	.051	.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	.142	.082	.039	.122	.071	.034	.084	.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	.014	.008	.003	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.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: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:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm										
NAME: S08-19-1 L2820B RGBW 0.3M					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	16.3	17.9	16.6	18.1	18.3	16.1	17.6	16.3	17.8	18.0
3H	17.7	19.1	18.0	19.3	19.5	17.3	18.7	17.6	19.0	19.2
4H	18.1	19.5	18.4	19.7	20.0	17.7	19.0	18.0	19.3	19.5
6H	18.5	19.8	18.9	20.1	20.4	17.9	19.1	18.2	19.4	19.7
8H	18.8	20.0	19.1	20.3	20.6	18.0	19.2	18.3	19.5	19.8
12H	18.9	20.1	19.2	20.3	20.7	18.2	19.4	18.6	19.7	20.0
4H 2H	16.8	18.1	17.1	18.4	18.6	16.6	17.9	16.9	18.2	18.4
3H	18.3	19.5	18.6	19.8	20.1	18.0	19.2	18.4	19.5	19.8
4H	18.8	19.9	19.2	20.2	20.5	18.4	19.5	18.8	19.8	20.2
6H	19.3	20.3	19.7	20.7	21.0	18.7	19.7	19.1	20.1	20.4
8H	19.6	20.5	20.0	20.9	21.2	18.9	19.8	19.4	20.2	20.6
12H	19.8	20.6	20.2	21.0	21.4	19.2	20.1	19.7	20.4	20.9
8H 4H	19.0	19.8	19.4	20.2	20.6	18.6	19.5	19.0	19.9	20.3
6H	19.6	20.3	20.0	20.7	21.2	19.0	19.8	19.5	20.2	20.6
8H	19.9	20.6	20.4	21.0	21.4	19.3	20.0	19.8	20.4	20.9
12H	20.2	20.7	20.6	21.2	21.7	19.8	20.4	20.3	20.8	21.3
12H 4H	18.9	19.8	19.4	20.1	20.6	18.6	19.4	19.0	19.8	20.2
6H	19.6	20.3	20.1	20.7	21.2	19.1	19.7	19.5	20.2	20.6
8H	20.0	20.5	20.4	21.0	21.5	19.4	20.0	19.9	20.5	20.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.5				
2.0H	+ 0.4 / - 0.3					+ 0.4 / - 0.4				

CIE Pub.117, 180.1 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -6.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Operators:
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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:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm		
NAME: S08-19-1 L2820B RGBW 0.3M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

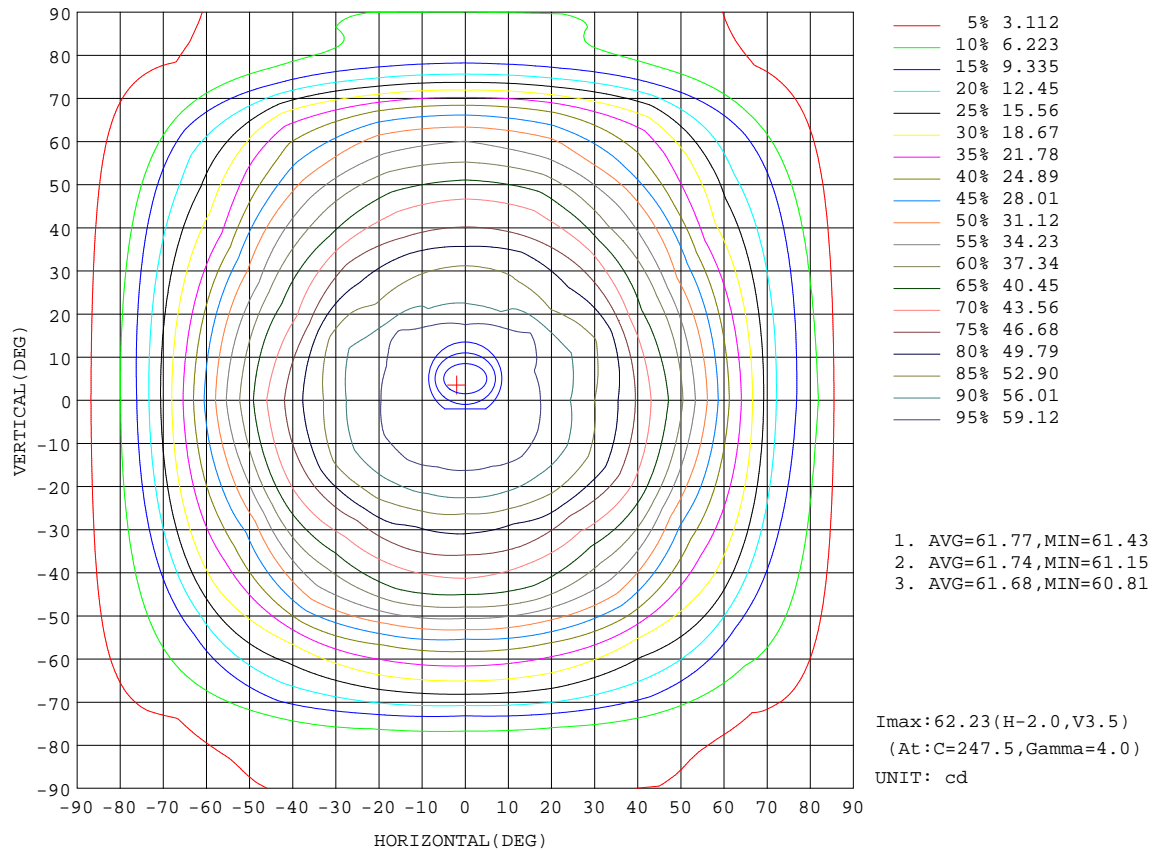
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	45	39	55	45	38	32
0.80	67	56	48	66	55	48	65	54	48	41
1.00	76	65	57	75	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	70	64	57
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	74
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	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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SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



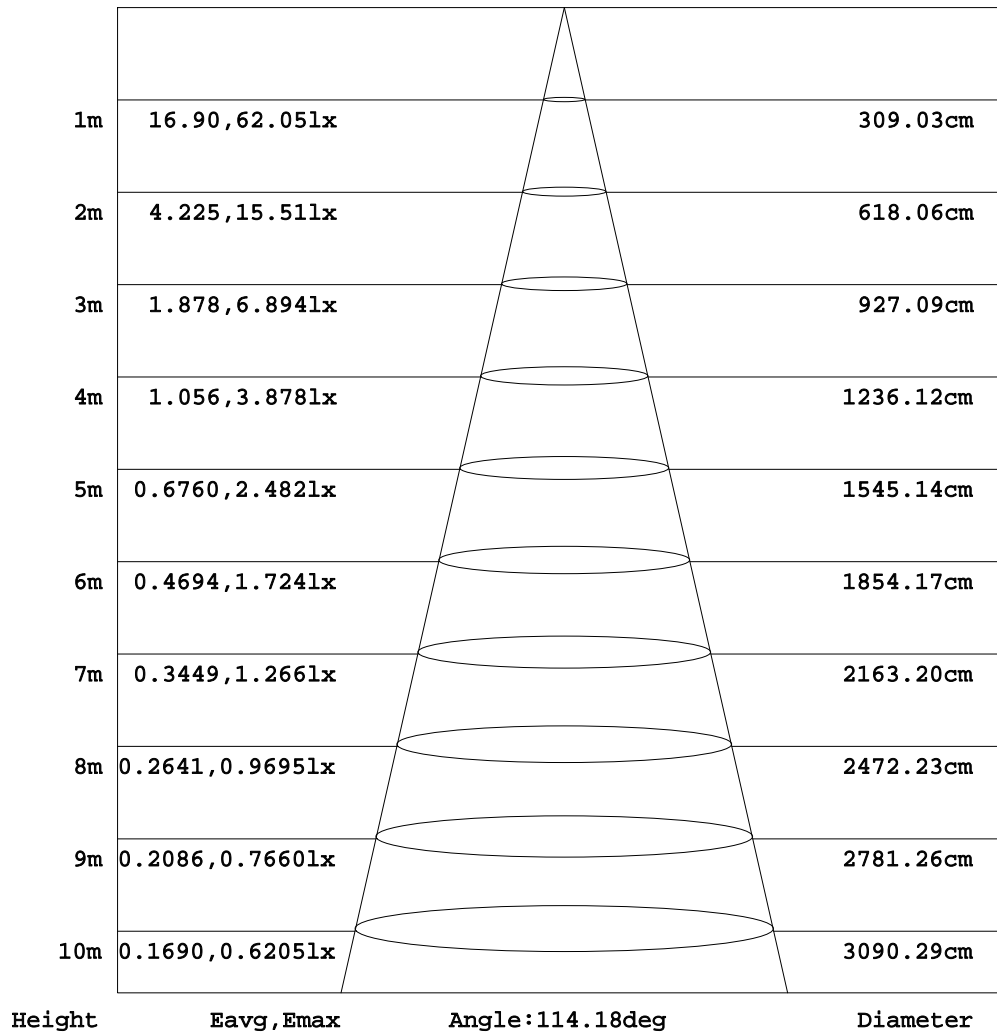
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AAI Figure

Test:U:23.998V I:0.1831A P:4.3940W PF:1.0000 Freq:50.01Hz Lamp Flux:180.057x1 lm		
NAME: S08-19-1 L2820B RGBW 0.3M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

Flux out:136.0 lm



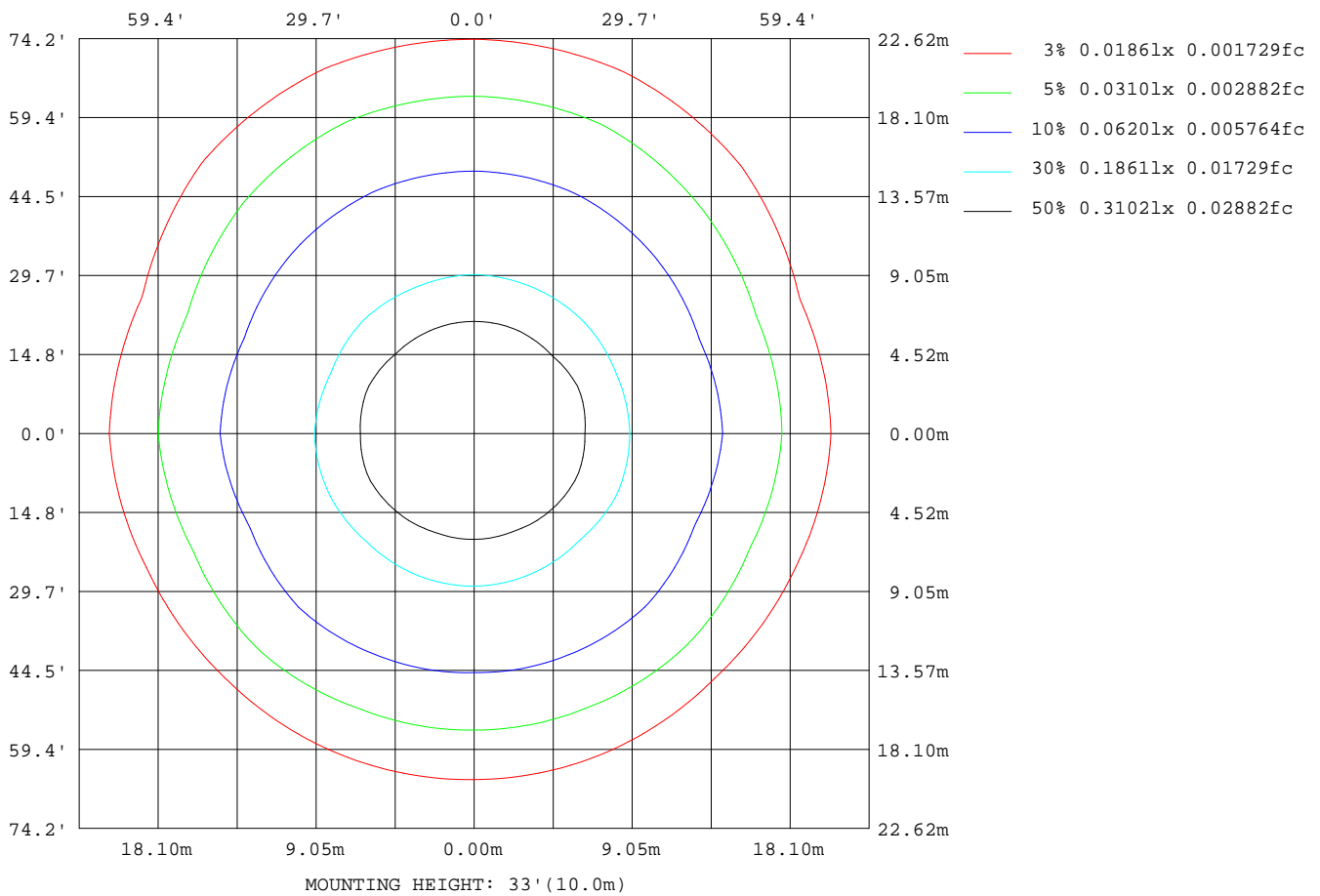
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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ISOLUX DIAGRAM

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LED Avg.L Report

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NAME: S08-19-1 L2820B RGBW 0.3M	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

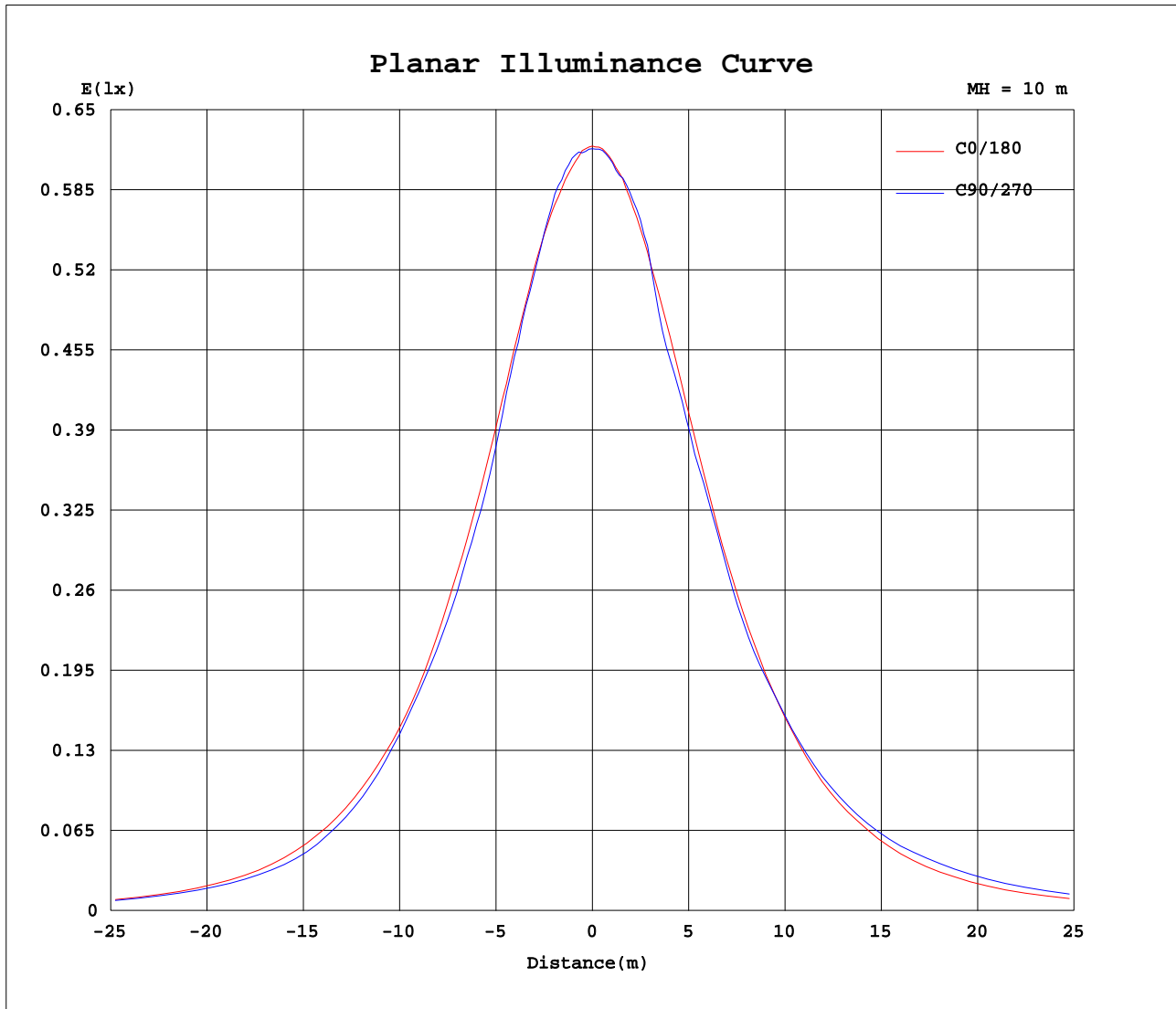
AvgL	cd/m2
L_0~180(65)av	506
L_0~180(75)av	397
L_0~180(85)av	419
L_90~270(65)av	568
L_90~270(75)av	400
L_90~270(85)av	673
L_45(65)av	523
L_45(75)av	465
L_45(85)av	474

Standard: GB/T 29293-2012

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Planar Illuminance Curve



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