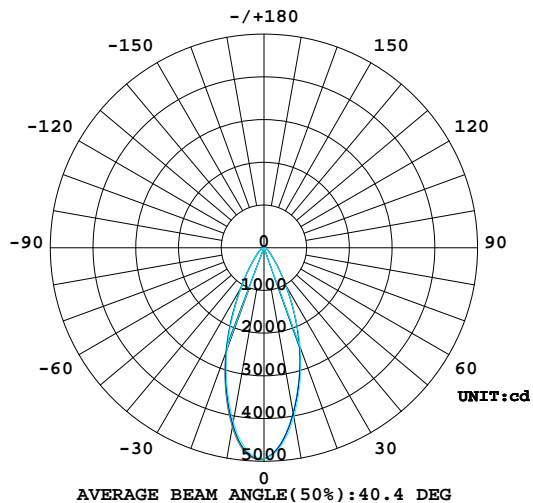


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

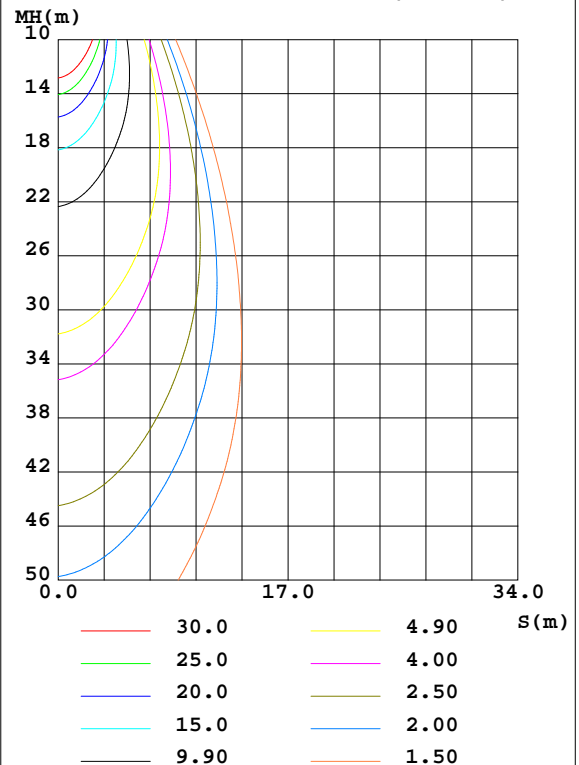
DATA OF LAMP		PHOTOMETRIC DATA Eff: 77.20 lm/W			
L2895-36-DW-40D-OSRAM-ALL		Imax(cd)	4962	S/MH(C0/180)	0.67
NOMINAL POWER(W)	41	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	220V	TOTAL FLUX(lm)	2927.8	η UP,DN(C0-180)	0.0,49.6
NOMINAL FLUX(lm)	2927.84	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.4
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220V	η down(%)	100.0	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



— C0/180,40.4 Ic=4962
— C30/210,40.3 Ic=4956
— C60/240,40.3 Ic=4941
— C90/270,40.4 Ic=4929

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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	3937	3926	4025	4146	4264	4227	4135	4009	0- 10	428.1	428.1	14.6,14.6
20	2425	2428	2477	2542	2616	2583	2526	2466	10- 20	912.2	1340	45.8,45.8
30	1047	1037	1040	1060	1098	1078	1056	1050	20- 30	780.1	2120	72.4,72.4
40	382.0	372.5	366.3	375.7	391.2	383.0	372.0	377.3	30- 40	403.9	2524	86.2,86.2
50	176.8	167.1	159.1	166.6	177.1	171.0	163.1	169.6	40- 50	193.7	2718	92.8,92.8
60	98.87	88.36	81.17	87.45	96.37	89.66	83.61	89.22	50- 60	110.9	2829	96.6,96.6
70	50.48	40.93	37.21	40.39	48.19	40.97	37.67	40.89	60- 70	63.45	2892	98.8,98.8
80	19.62	12.36	11.10	12.30	17.17	10.92	9.459	10.83	70- 80	27.04	2919	99.7,99.7
90	6.411	6.593	6.430	6.560	4.115	4.101	3.938	4.092	80- 90	8.458	2928	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): 2636.2 lm

%lum = 90.0%

%lamp = 90.0%

Conical surface Flux(120deg): 2828.9 lm

%lum = 96.6%

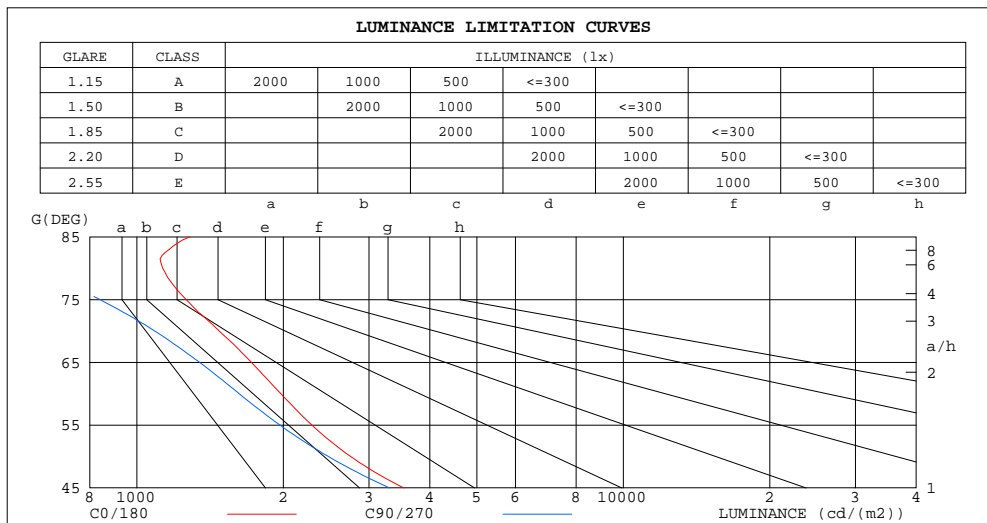
%lamp = 96.6%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 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:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1285	812
80	1130	639
75	1263	840
70	1476	1088
65	1719	1345
60	1977	1623
55	2291	1969
50	2751	2474
45	3538	3307

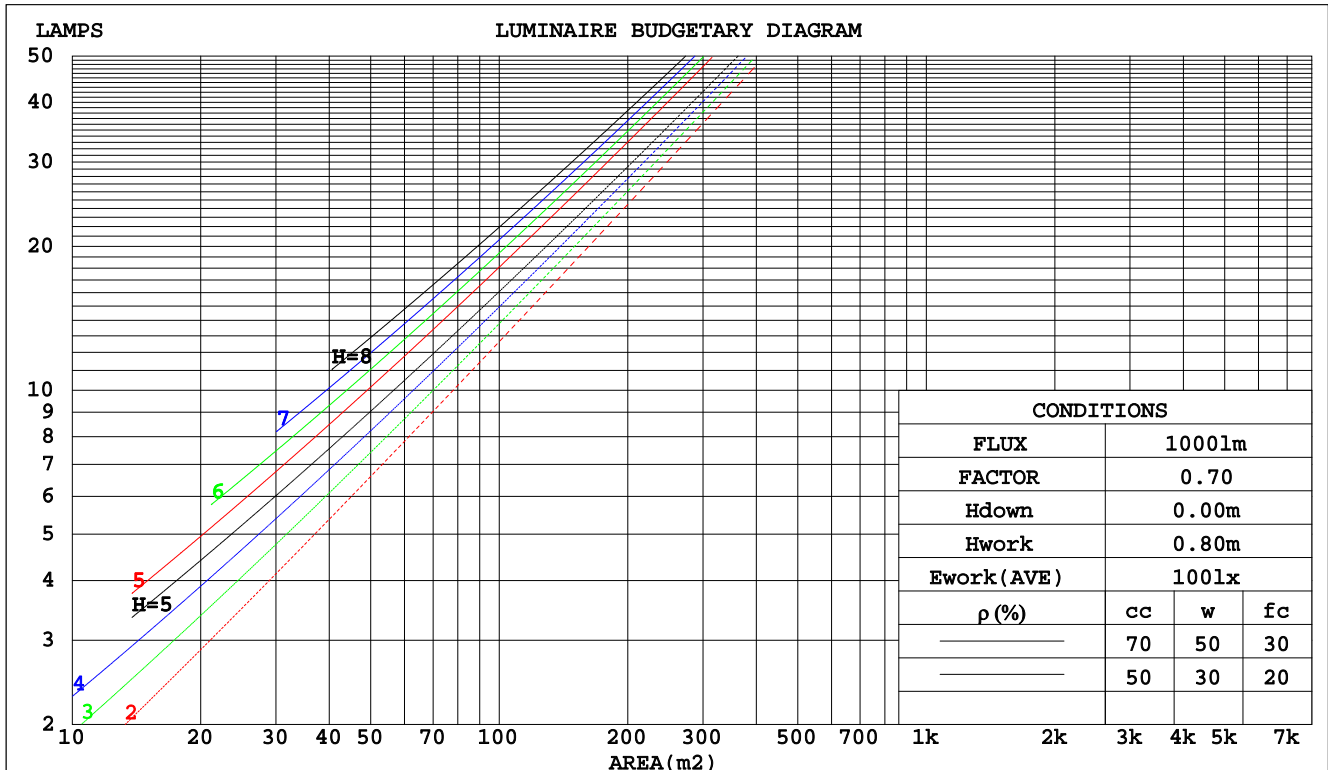
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.00	1.00	.99	.97	.97	.96	.95	.93
2.0	1.02	.98	.95	1.01	.97	.94	.97	.94	.92	.94	.92	.90	.92	.90	.88	.86
3.0	.95	.90	.86	.94	.89	.86	.91	.87	.84	.89	.86	.83	.87	.84	.82	.80
4.0	.89	.84	.79	.88	.83	.79	.86	.81	.78	.84	.80	.77	.82	.79	.76	.75
5.0	.84	.78	.74	.83	.77	.73	.81	.76	.73	.79	.75	.72	.78	.74	.71	.70
6.0	.79	.73	.69	.78	.72	.68	.77	.72	.68	.75	.71	.67	.74	.70	.67	.66
7.0	.75	.69	.64	.74	.68	.64	.73	.68	.64	.71	.67	.64	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.64	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.57	.64	.60	.57	.55
10.0	.64	.58	.54	.63	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.187	.106	.034	.180	.103	.033	.167	.096	.031	.156	.090	.029	.145	.084	.027		
2.0	.177	.097	.030	.172	.095	.029	.161	.090	.028	.151	.085	.027	.142	.080	.025		
3.0	.167	.089	.027	.163	.087	.026	.153	.083	.025	.145	.079	.024	.137	.076	.024		
4.0	.158	.082	.024	.154	.080	.024	.146	.077	.023	.139	.074	.022	.132	.072	.022		
5.0	.149	.076	.022	.146	.075	.022	.139	.072	.021	.133	.070	.021	.127	.068	.020		
6.0	.141	.071	.020	.138	.070	.020	.132	.068	.020	.127	.066	.019	.121	.064	.019		
7.0	.134	.066	.019	.132	.066	.019	.126	.064	.018	.121	.062	.018	.117	.061	.018		
8.0	.128	.062	.018	.125	.062	.017	.121	.060	.017	.116	.059	.017	.112	.058	.017		
9.0	.122	.059	.016	.120	.058	.016	.115	.057	.016	.111	.056	.016	.108	.055	.016		
10.0	.116	.056	.016	.114	.055	.015	.111	.054	.015	.107	.053	.015	.104	.052	.015		

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	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	.172	.157	.144	.147	.135	.124	.101	.093	.086	.058	.054	.050	.019	.017	.016		
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.067	.053	.046	.040	.017	.015	.013		
3.0	.145	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010		
4.0	.134	.099	.072	.115	.086	.062	.079	.060	.044	.046	.035	.026	.015	.011	.009		
5.0	.126	.087	.059	.108	.076	.052	.074	.053	.036	.043	.031	.022	.014	.010	.007		
6.0	.118	.078	.050	.101	.068	.043	.070	.047	.031	.041	.028	.018	.013	.009	.006		
7.0	.111	.070	.042	.096	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005		
8.0	.105	.064	.036	.090	.056	.031	.063	.039	.022	.036	.023	.013	.012	.008	.004		
9.0	.100	.059	.031	.086	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004		
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
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:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm											
NAME: SO05-27 L2895 0.9M DW 1#bai						TYPE:		WEIGHT:			
SPEC.:						DIM.:		SERIAL No.:1			
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		8.7	9.6	8.9	9.8	9.9	8.3	9.2	8.5	9.4	9.5
3H		9.2	10.1	9.5	10.3	10.5	8.6	9.5	8.9	9.7	9.9
4H		9.4	10.2	9.7	10.5	10.7	8.7	9.5	9.0	9.8	10.0
6H		9.6	10.3	9.8	10.6	10.8	8.7	9.5	9.0	9.8	10.0
8H		9.6	10.4	9.9	10.6	10.9	8.7	9.5	9.0	9.7	10.0
12H		9.7	10.4	10.0	10.7	10.9	8.7	9.4	9.0	9.7	10.0
4H	2H	8.8	9.6	9.0	9.8	10.1	8.4	9.3	8.7	9.5	9.7
	3H	9.4	10.2	9.8	10.4	10.7	8.9	9.6	9.2	9.9	10.2
	4H	9.7	10.4	10.1	10.7	11.0	9.1	9.7	9.4	10.0	10.3
	6H	9.9	10.5	10.3	10.9	11.2	9.1	9.7	9.5	10.0	10.4
	8H	10.0	10.6	10.4	10.9	11.3	9.1	9.7	9.5	10.0	10.4
	12H	10.1	10.6	10.5	11.0	11.4	9.2	9.6	9.6	10.0	10.4
8H	4H	9.7	10.2	10.1	10.6	11.0	9.1	9.6	9.5	10.0	10.3
	6H	10.0	10.4	10.4	10.8	11.2	9.2	9.6	9.6	10.0	10.4
	8H	10.1	10.5	10.6	10.9	11.4	9.2	9.6	9.7	10.0	10.5
	12H	10.3	10.6	10.7	11.1	11.5	9.3	9.6	9.8	10.1	10.5
12H	4H	9.7	10.2	10.1	10.5	10.9	9.0	9.5	9.4	9.9	10.3
	6H	10.0	10.3	10.4	10.8	11.2	9.2	9.6	9.6	10.0	10.4
	8H	10.1	10.4	10.6	10.9	11.4	9.2	9.6	9.7	10.0	10.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.9 / - 1.1					+ 1.1 / - 1.4				
1.5H		+ 1.5 / - 0.8					+ 1.8 / - 1.0				
2.0H		+ 1.3 / - 0.9					+ 1.5 / - 1.1				

CIE Pub.117, 2928 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.7$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
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:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

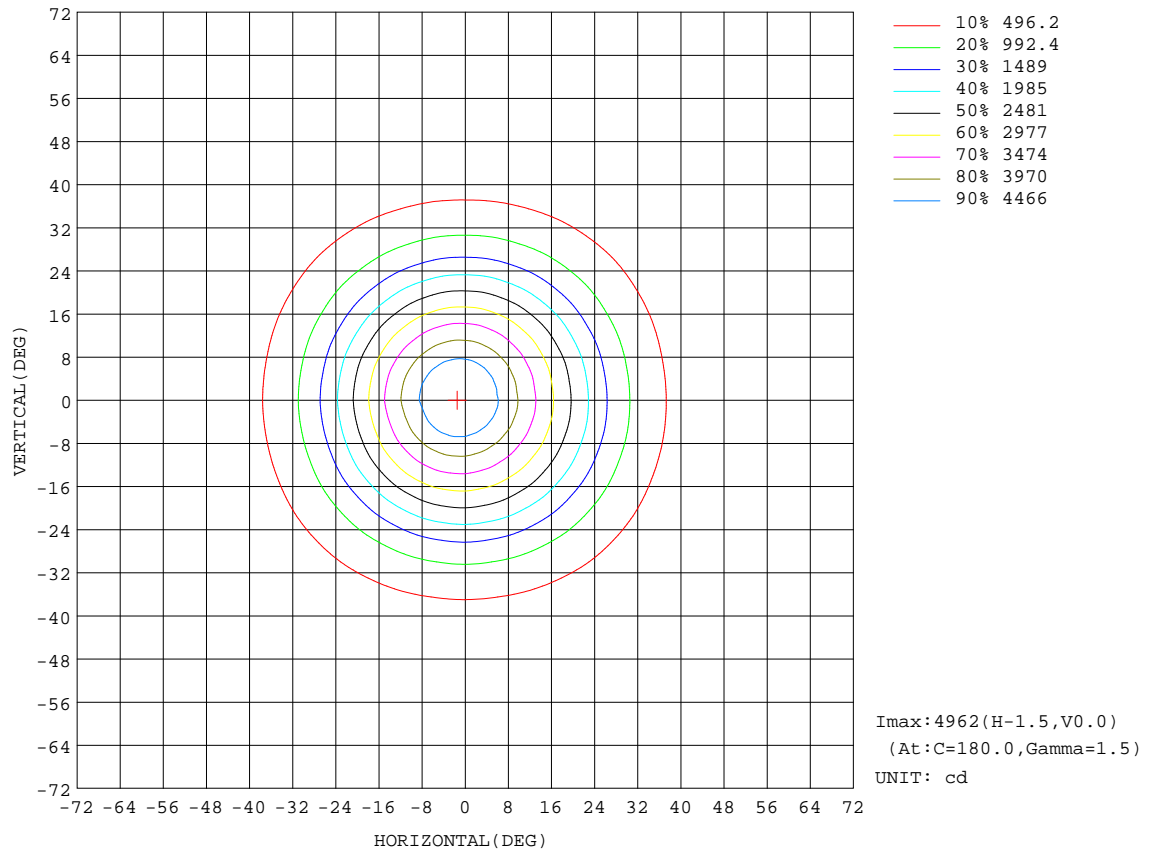
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	83	76	72	82	76	71	82	75	71	67
0.80	91	84	80	90	84	80	89	83	79	75
1.00	96	90	85	95	89	85	93	89	85	80
1.25	100	94	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	104	109	105	102	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	109	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

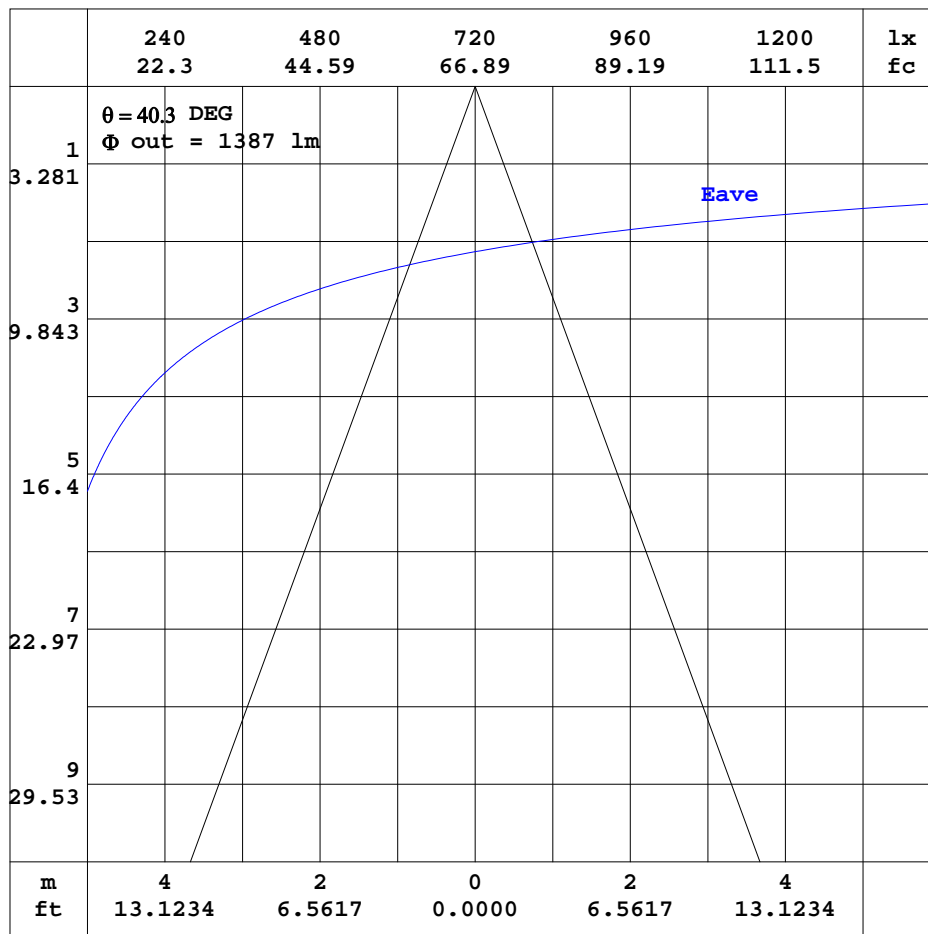


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

AAI CURVES

Test:U:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



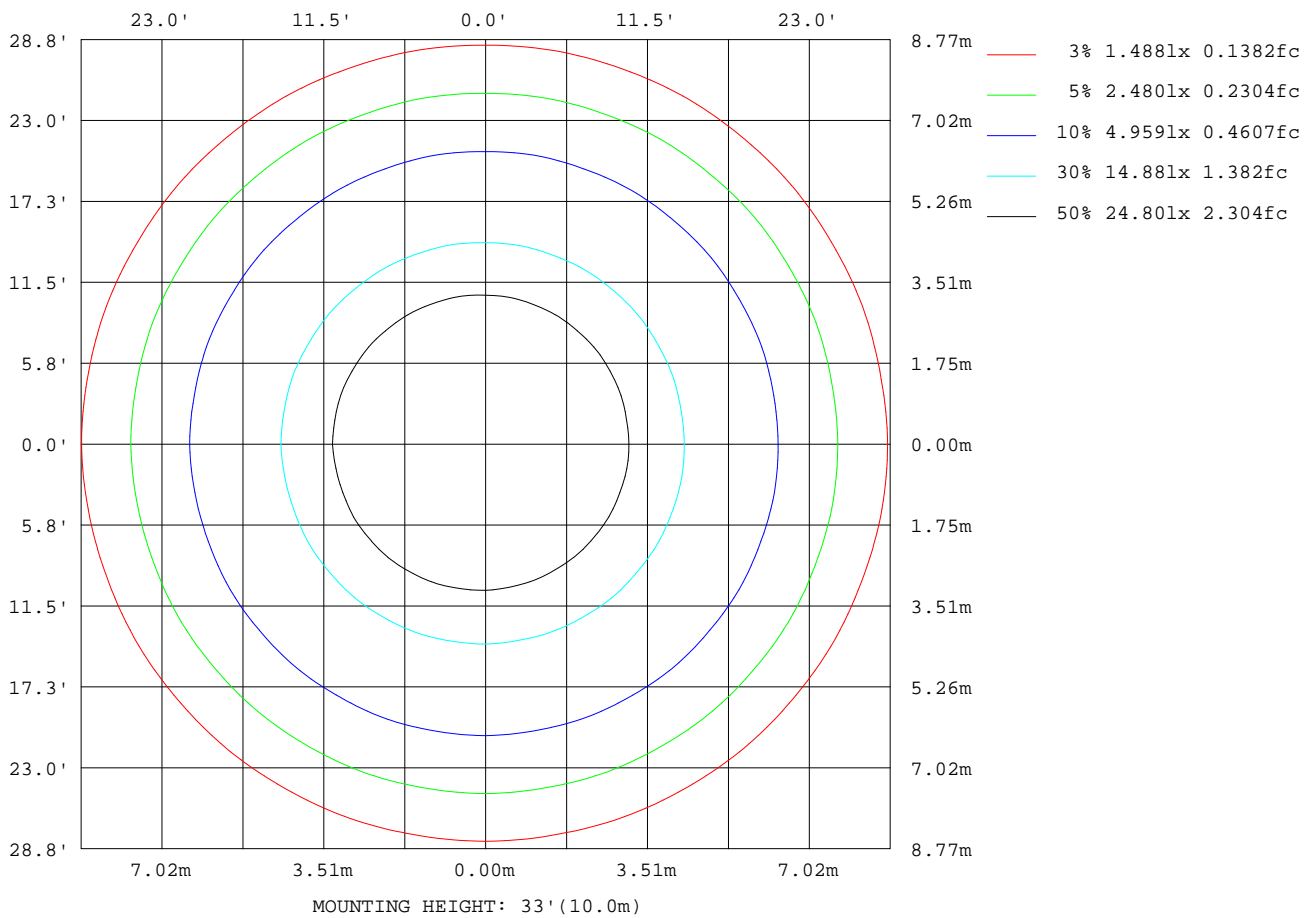
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 11.635m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-07-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:220.84V I:0.1773A P:37.924W PF:0.9684 Freq:50.01Hz Lamp Flux:2927.84x1 lm		
NAME: SO05-27 L2895 0.9M DW 1#bai	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

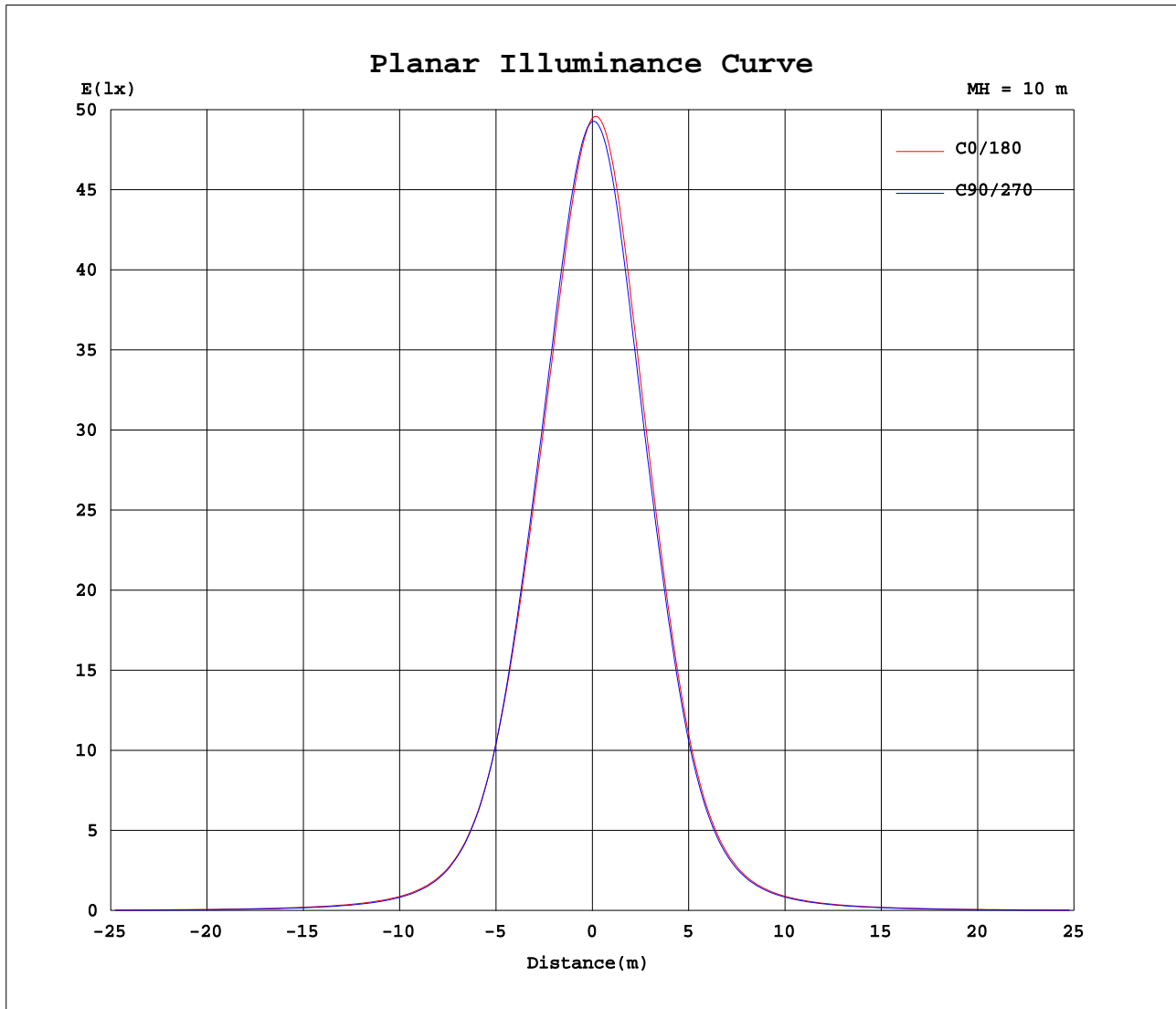
AvgL	cd/m2
L_0~180(65)av	1693
L_0~180(75)av	1222
L_0~180(85)av	1137
L_90~270(65)av	1363
L_90~270(75)av	826
L_90~270(85)av	684
L_45(65)av	1480
L_45(75)av	901
L_45(85)av	748

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity:65.0%
 Test Distance:11.635m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-07-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 11.635m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```