

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.306m [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	20.58	20.54	20.20	20.99	21.02	20.38	20.38	20.59	0- 10	12330	12330	77.5,77.5
20	3.285	3.357	3.178	3.402	3.258	3.176	3.337	3.243	10- 20	2195	14525	91.3,91.3
30	0.8536	0.8817	0.9201	0.8593	0.8148	0.8610	0.9151	0.8806	20- 30	807.3	15332	96.3,96.3
40	0.2789	0.2737	0.2649	0.2601	0.2680	0.2636	0.2660	0.2579	30- 40	298.0	15630	98.2,98.2
50	0.1184	0.1191	0.1078	0.1066	0.1119	0.1129	0.1033	0.1022	40- 50	136.6	15767	99.1,99.1
60	0.0304	0.0304	0.0291	0.0306	0.0240	0.0244	0.0227	0.0246	50- 60	53.19	15820	99.4,99.4
70	0.0204	0.0202	0.0198	0.0199	0.0137	0.0134	0.0130	0.0135	60- 70	19.94	15840	99.5,99.5
80	0.0446	0.0445	0.0443	0.0443	0.0347	0.0339	0.0343	0.0347	70- 80	27.17	15867	99.7,99.7
90	0.0452	0.0454	0.0455	0.0458	0.0382	0.0382	0.0379	0.0376	80- 90	49.57	15916	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: x1000cd									UNIT: lm		

Conical surface Flux(90deg): 15710 lm

%lum = 98.7%

%lamp = 98.7%

Conical surface Flux(120deg): 15820 lm

%lum = 99.4%

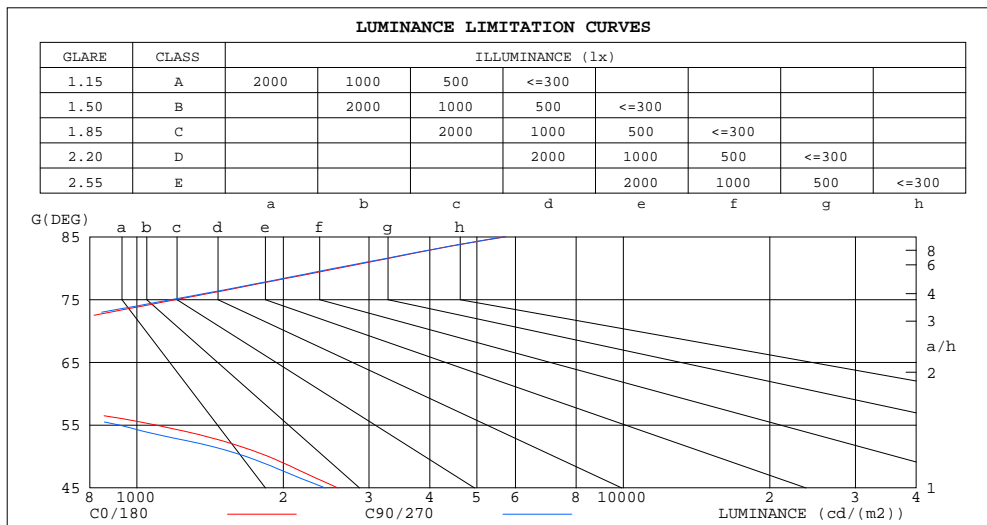
%lamp = 99.4%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: LOW  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity: 65.0%  
 Test Distance: 11.306m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	5734	5691
80	2595	2551
75	1204	1177
70	604	577
65	539	510
60	616	582
55	1094	920
50	1863	1676
45	2589	2440

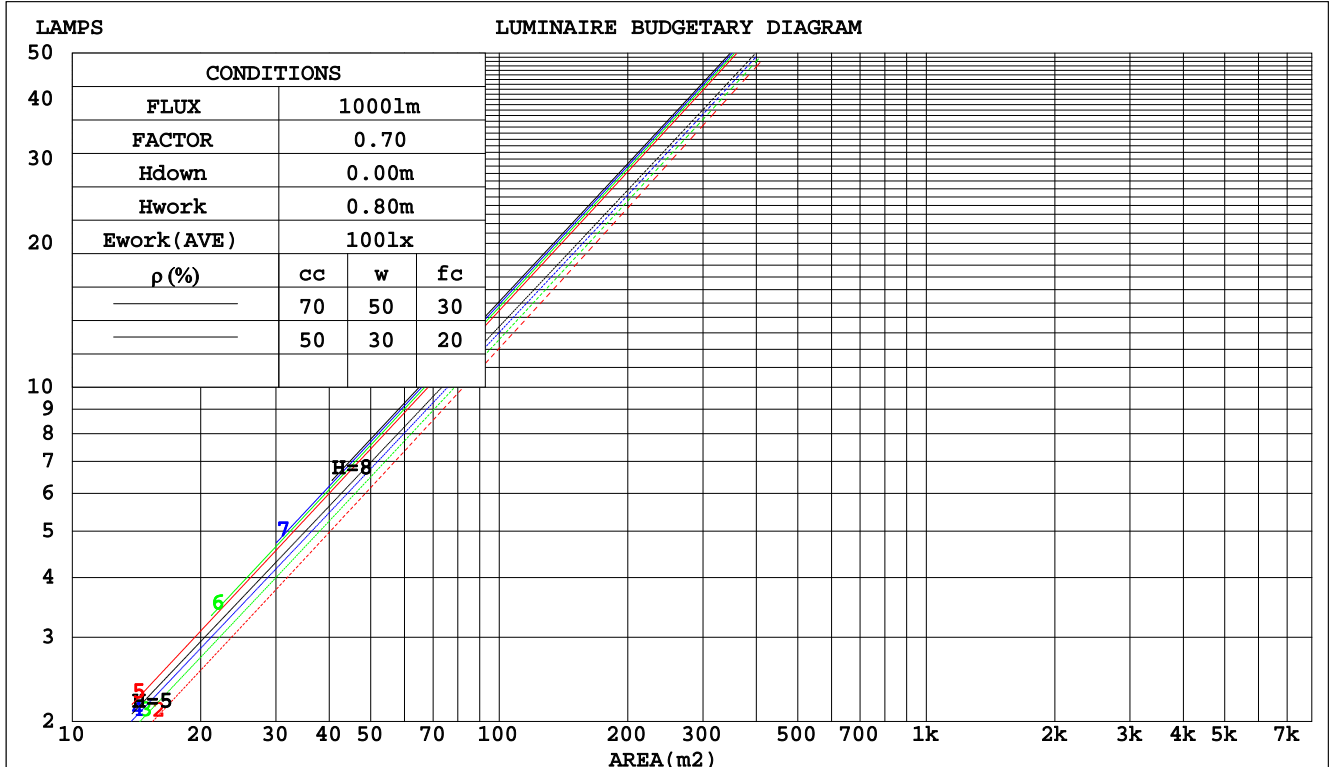
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
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Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

$\gamma$  Range: 0 - 90DEG  
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Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	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															



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	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	.113	.064	.020	.107	.061	.019	.095	.054	.017	.083	.048	.015	.073	.042	.014		
2.0	.101	.055	.017	.096	.053	.016	.086	.048	.015	.077	.043	.013	.068	.039	.012		
3.0	.092	.049	.015	.087	.047	.014	.079	.043	.013	.071	.039	.012	.064	.036	.011		
4.0	.084	.043	.013	.080	.042	.012	.073	.039	.012	.067	.036	.011	.061	.033	.010		
5.0	.077	.039	.011	.074	.038	.011	.068	.035	.010	.063	.033	.010	.058	.031	.009		
6.0	.071	.036	.010	.069	.035	.010	.064	.033	.010	.059	.031	.009	.055	.029	.009		
7.0	.066	.033	.009	.064	.032	.009	.060	.030	.009	.056	.029	.008	.053	.027	.008		
8.0	.062	.030	.009	.060	.030	.008	.057	.028	.008	.053	.027	.008	.050	.026	.008		
9.0	.058	.028	.008	.057	.028	.008	.054	.027	.008	.051	.025	.007	.048	.024	.007		
10.0	.055	.026	.007	.054	.026	.007	.051	.025	.007	.048	.024	.007	.046	.023	.007		

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	.167	.158	.150	.143	.135	.129	.098	.093	.089	.056	.054	.052	.018	.017	.017		
2.0	.147	.133	.121	.126	.114	.105	.086	.079	.073	.050	.046	.043	.016	.015	.014		
3.0	.130	.113	.100	.112	.098	.086	.077	.068	.061	.044	.040	.036	.014	.013	.012		
4.0	.116	.097	.083	.100	.084	.072	.068	.059	.051	.040	.034	.030	.013	.011	.010		
5.0	.104	.084	.070	.089	.073	.061	.062	.051	.043	.036	.030	.026	.011	.010	.008		
6.0	.094	.074	.060	.081	.064	.052	.056	.045	.037	.032	.026	.022	.010	.009	.007		
7.0	.085	.065	.051	.073	.057	.045	.051	.040	.032	.029	.023	.019	.010	.008	.006		
8.0	.078	.058	.044	.067	.050	.039	.046	.035	.028	.027	.021	.016	.009	.007	.005		
9.0	.072	.052	.039	.062	.045	.034	.043	.032	.024	.025	.019	.014	.008	.006	.005		
10.0	.066	.047	.034	.057	.041	.030	.039	.029	.021	.023	.017	.013	.007	.006	.004		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

## UGR(Unified Glare Rating) Table

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm										
NAME: S10-02-1 L0277B RGBW					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	-6.1	-5.6	-5.9	-5.5	-5.4	-6.2	-5.8	-6.0	-5.6	-5.5
3H	-5.9	-5.5	-5.7	-5.3	-5.2	-6.1	-5.7	-5.9	-5.5	-5.3
4H	-5.5	-5.0	-5.2	-4.8	-4.6	-5.6	-5.2	-5.4	-5.0	-4.8
6H	-3.9	-3.5	-3.6	-3.2	-3.0	-4.0	-3.6	-3.7	-3.4	-3.1
8H	-2.6	-2.2	-2.3	-1.9	-1.7	-2.7	-2.3	-2.4	-2.0	-1.8
12H	-1.1	-0.7	-0.8	-0.4	-0.2	-1.1	-0.8	-0.9	-0.5	-0.3
4H 2H	-6.2	-5.7	-5.9	-5.5	-5.3	-6.3	-5.9	-6.0	-5.7	-5.5
3H	-5.9	-5.5	-5.6	-5.2	-5.0	-6.0	-5.6	-5.7	-5.4	-5.1
4H	-5.0	-4.7	-4.7	-4.4	-4.1	-5.2	-4.8	-4.9	-4.5	-4.3
6H	-2.8	-2.5	-2.5	-2.2	-1.8	-2.9	-2.6	-2.6	-2.3	-1.9
8H	-1.2	-0.9	-0.9	-0.6	-0.2	-1.3	-1.0	-0.9	-0.7	-0.3
12H	0.5	0.8	0.9	1.2	1.5	0.5	0.7	0.9	1.1	1.5
8H 4H	-4.5	-4.2	-4.1	-3.9	-3.5	-4.6	-4.3	-4.3	-4.0	-3.6
6H	-1.8	-1.5	-1.4	-1.1	-0.7	-1.8	-1.6	-1.4	-1.2	-0.8
8H	0.0	0.3	0.5	0.7	1.1	-0.0	0.2	0.4	0.6	1.1
12H	2.0	2.2	2.5	2.7	3.1	2.0	2.2	2.4	2.6	3.1
12H 4H	-4.2	-3.9	-3.8	-3.6	-3.2	-4.3	-4.0	-3.9	-3.7	-3.3
6H	-1.3	-1.1	-0.9	-0.7	-0.3	-1.4	-1.2	-1.0	-0.8	-0.3
8H	0.6	0.8	1.1	1.2	1.7	0.5	0.7	1.0	1.2	1.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.4 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				

CIE Pub.117, 15916 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 9.6$ )  
Area: 0.1 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

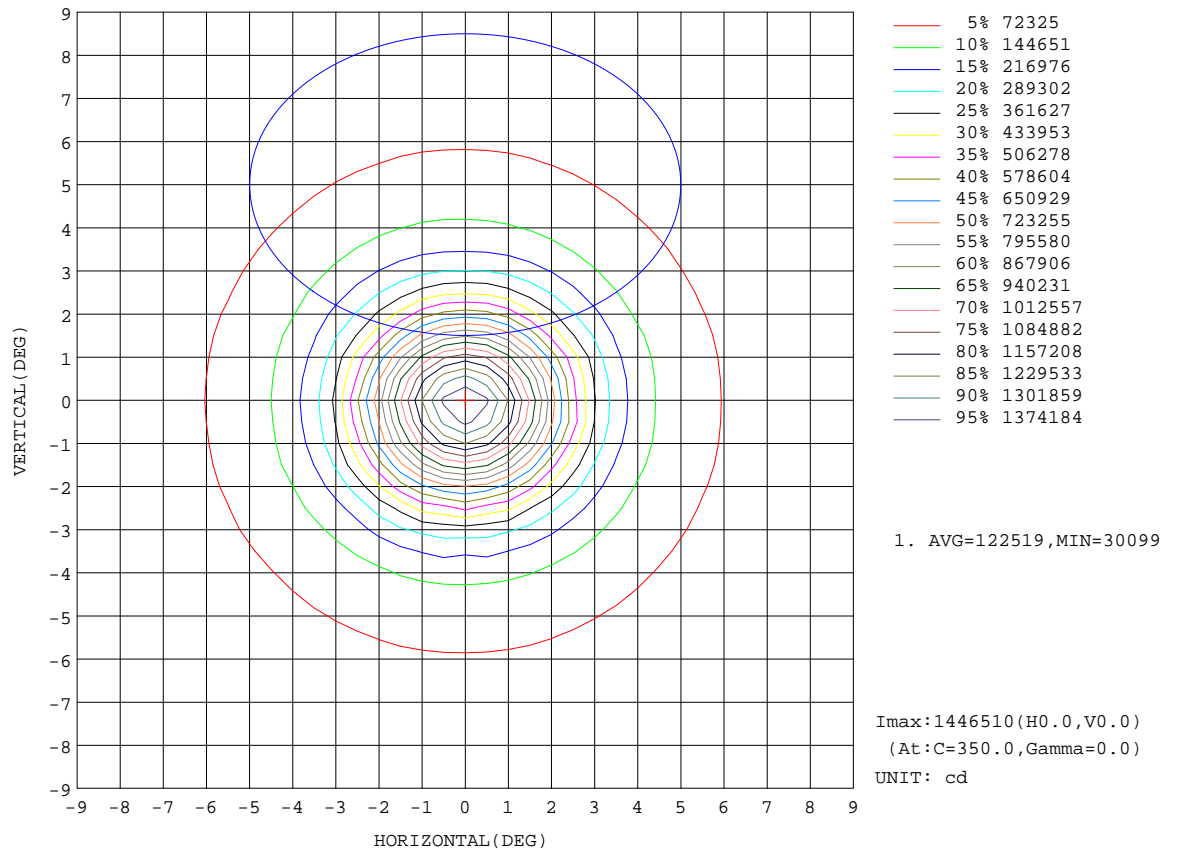
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	90	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	96	91	88	85
1.00	101	96	93	100	96	93	99	95	92	88
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	99	104	101	98	94
2.00	109	106	103	108	105	102	105	103	100	95
2.50	111	107	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	109	107	106	99
5.00	115	113	112	113	112	110	109	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

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 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

# ISOCANDELA DIAGRAM

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



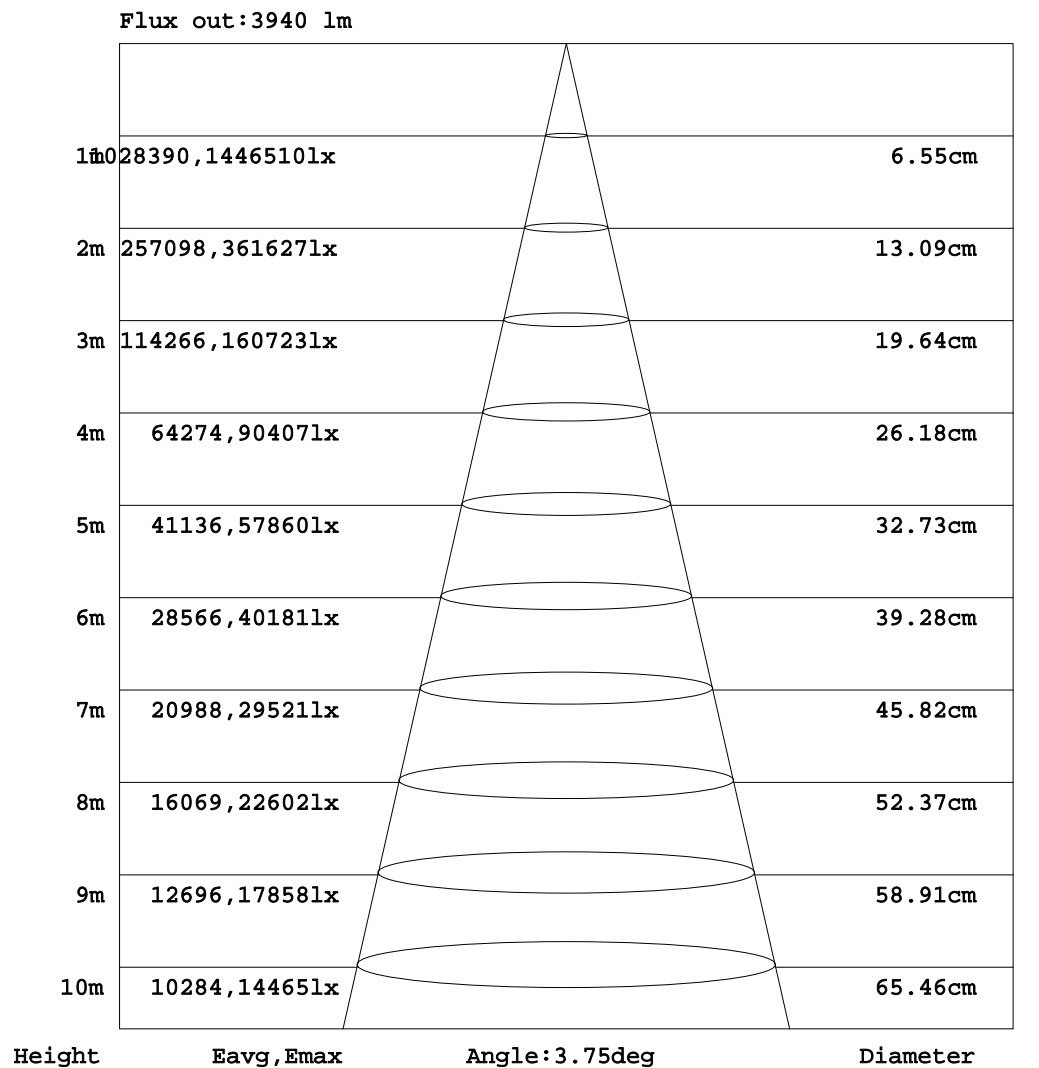
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
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Remarks:



### AAI Figure

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



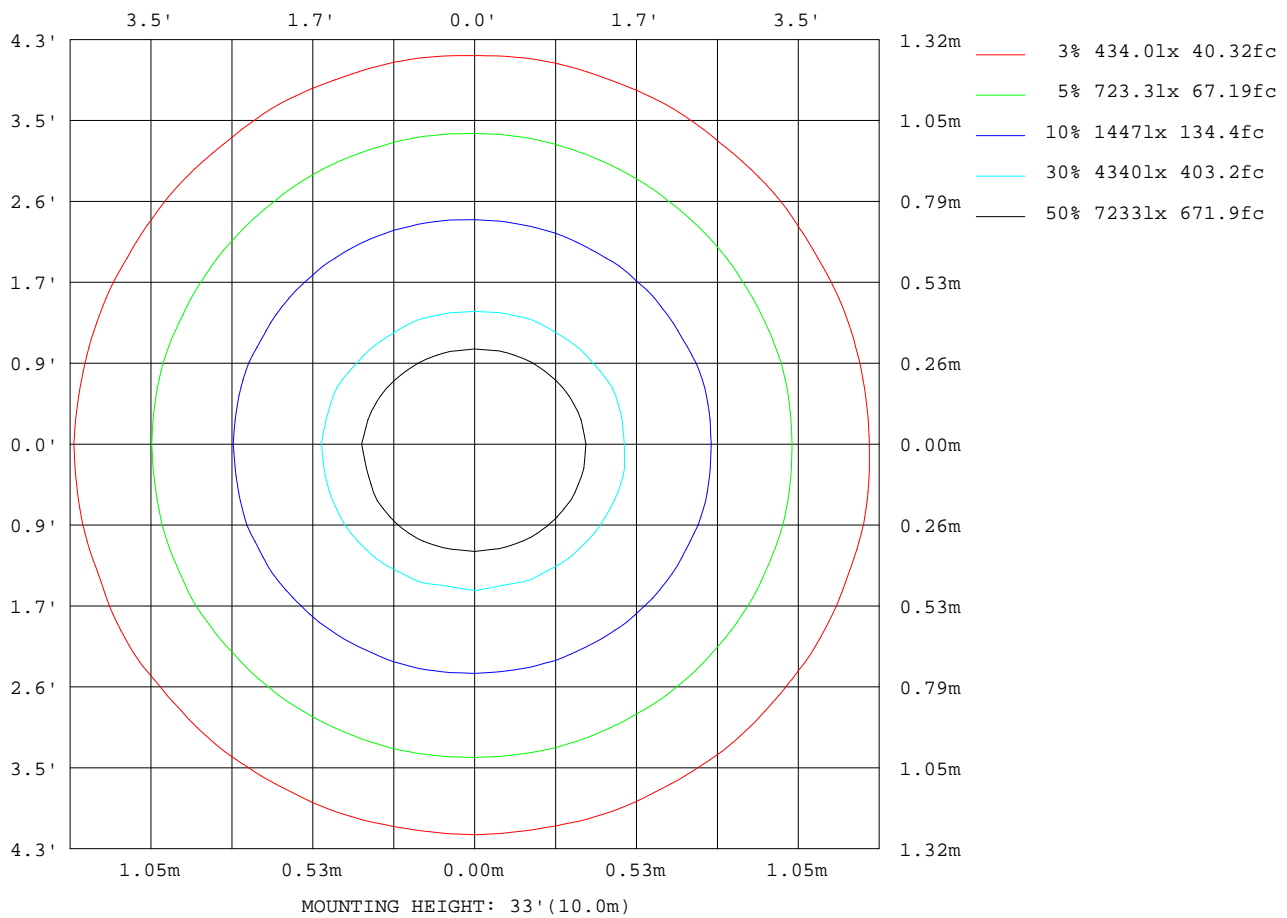
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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γ Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity: 65.0%  
Test Distance: 11.306m [K=1.0000]  
Remarks:

# ISOLUX DIAGRAM

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-01

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity:65.0%  
Test Distance:11.306m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:220.72V I:1.3602A P:290.01W PF:0.9660 Freq:50.01Hz Lamp Flux:15916.4x1 lm		
NAME: S10-02-1 L0277B RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

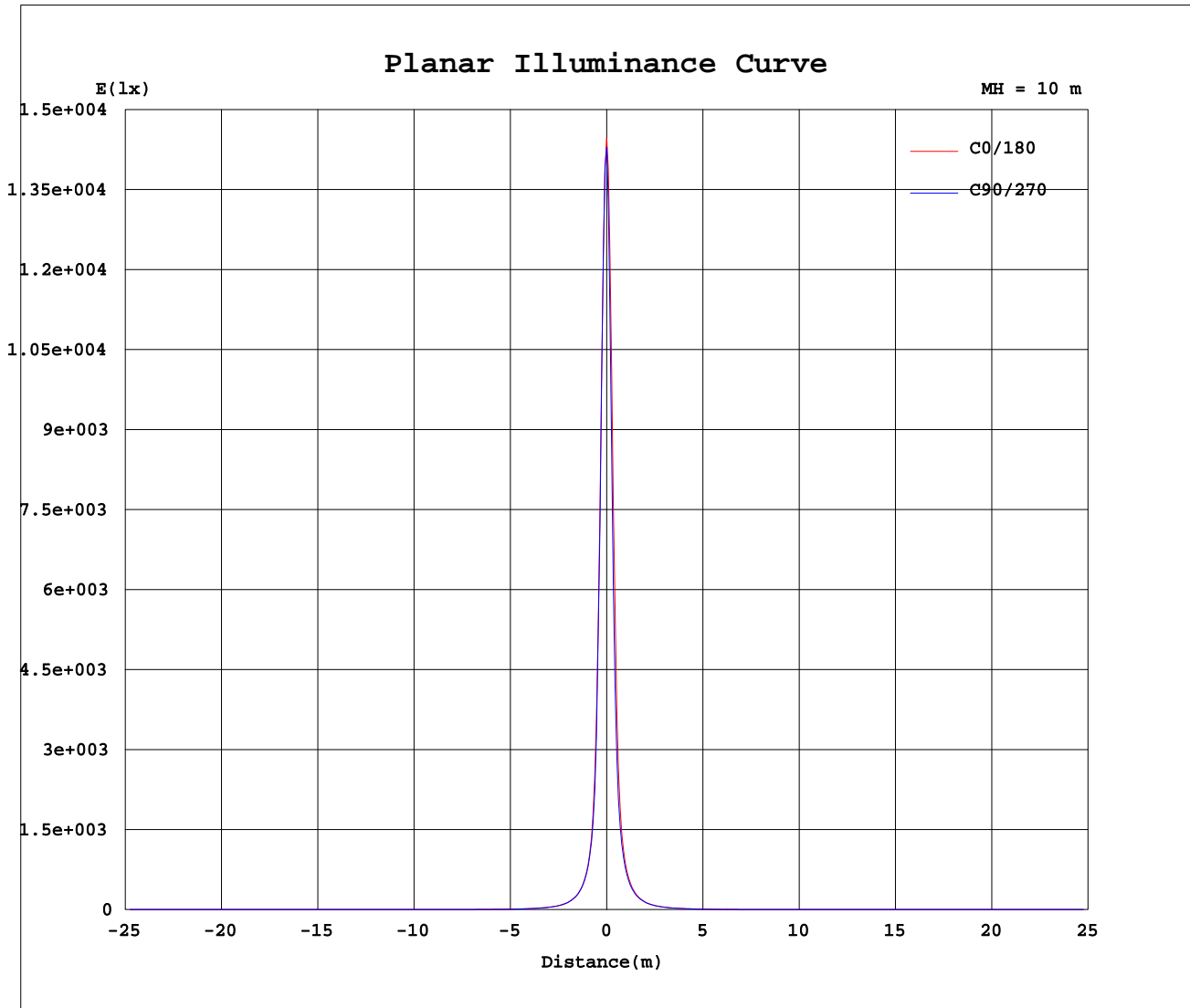
AvgL	cd/m2
L_0~180(65)av	463
L_0~180(75)av	937
L_0~180(85)av	5447
L_90~270(65)av	440
L_90~270(75)av	925
L_90~270(85)av	5445
L_45(65)av	462
L_45(75)av	928
L_45(85)av	5518

Standard: GB/T 29293-2012

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 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: LOW  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-11-01

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity: 65.0%  
Test Distance: 11.306m [K=1.0000]  
Remarks:

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