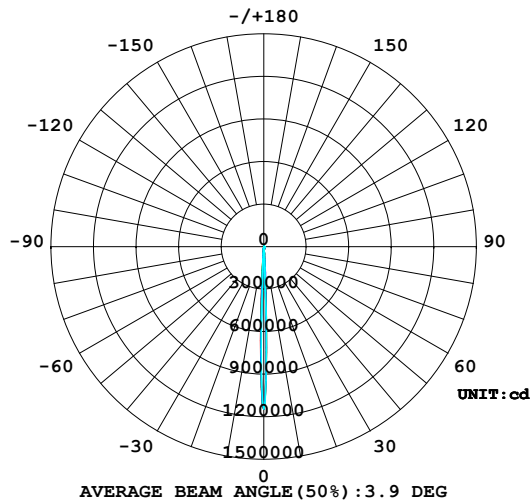


LUMINAIRE PHOTOMETRIC TEST REPORT

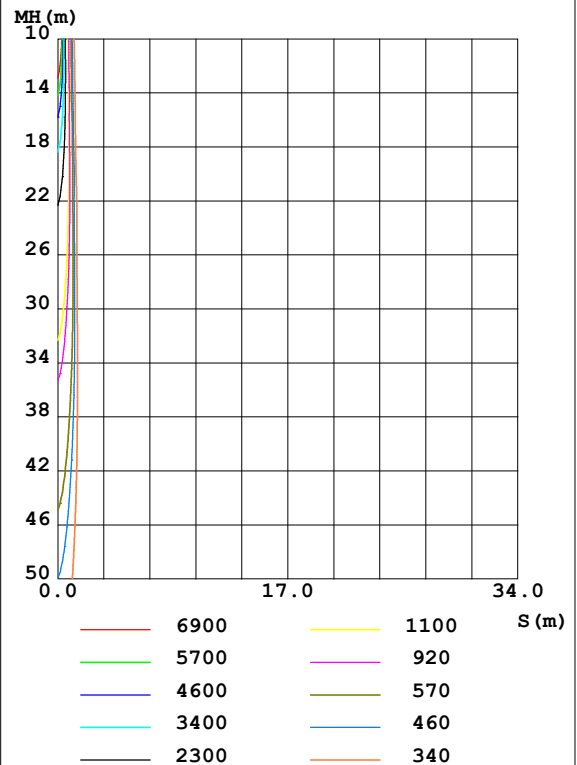
Test:U:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 60.05 lm/W			
L0255 MODEL-84-1	RGBW-3D-OSRAM-ALL	Imax(cd)	1144114	S/MH(C0/180)	0.08
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	0.06
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	11905	□ UP,DN(C0-180)	0.0,49.0
NOMINAL FLUX(lm)	11905	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,51.0
LAMPS INSIDE	1	□ up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	□ down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-11-15

□ Range: 0 - 90DEG  
□ 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:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	13.84	13.85	14.44	14.66	16.05	15.65	14.12	14.16	0- 10	9232	9232	77.5, 77.5
20	2.469	2.437	2.593	2.536	2.653	2.684	2.464	2.538	10- 20	1615	10847	91.1, 91.1
30	0.6237	0.6539	0.6534	0.6773	0.6652	0.6834	0.6983	0.6571	20- 30	621.9	11469	96.3, 96.3
40	0.2035	0.1940	0.1940	0.2038	0.2085	0.1942	0.1904	0.2019	30- 40	223.0	11692	98.2, 98.2
50	0.0837	0.0747	0.0746	0.0850	0.0833	0.0723	0.0695	0.0796	40- 50	99.24	11792	99, 99
60	0.0217	0.0214	0.0215	0.0216	0.0181	0.0173	0.0168	0.0173	50- 60	37.64	11829	99.4, 99.4
70	0.0168	0.0155	0.0139	0.0142	0.0100	0.0097	0.0097	0.0096	60- 70	14.49	11844	99.5, 99.5
80	0.0387	0.0387	0.0398	0.0395	0.0258	0.0256	0.0248	0.0262	70- 80	21.65	11865	99.7, 99.7
90	0.0349	0.0346	0.0341	0.0342	0.0301	0.0284	0.0301	0.0315	80- 90	39.60	11905	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: ×1000cd									UNIT: lm		

Conical surface Flux(90deg): 11751 lm

%lum = 98.7%

%lamp = 98.7%

Conical surface Flux(120deg): 11829 lm

%lum = 99.4%

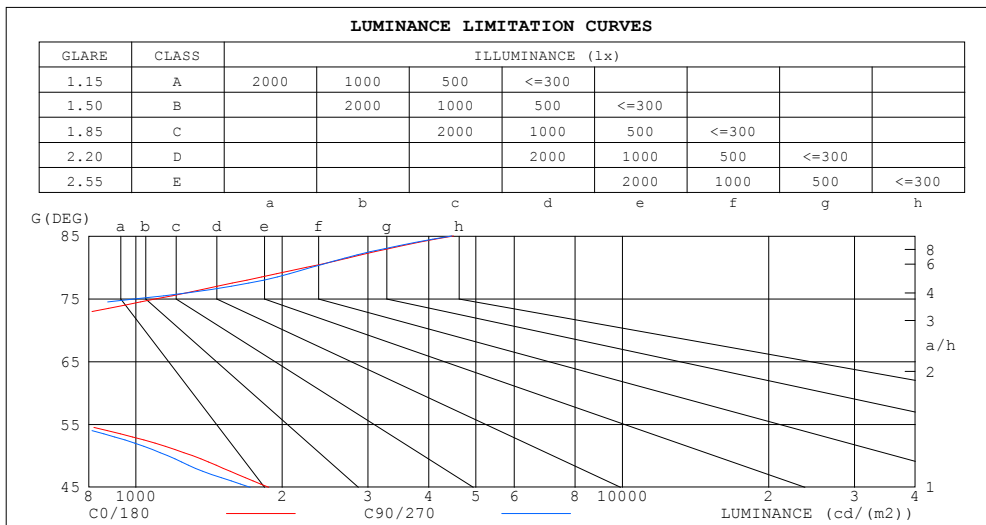
%lamp = 99.4%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-15

□ Range: 0 - 90DEG  
 □ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4496	4462
80	2240	2296
75	1102	1003
70	492	407
65	384	382
60	437	431
55	764	718
50	1308	1163
45	1875	1717

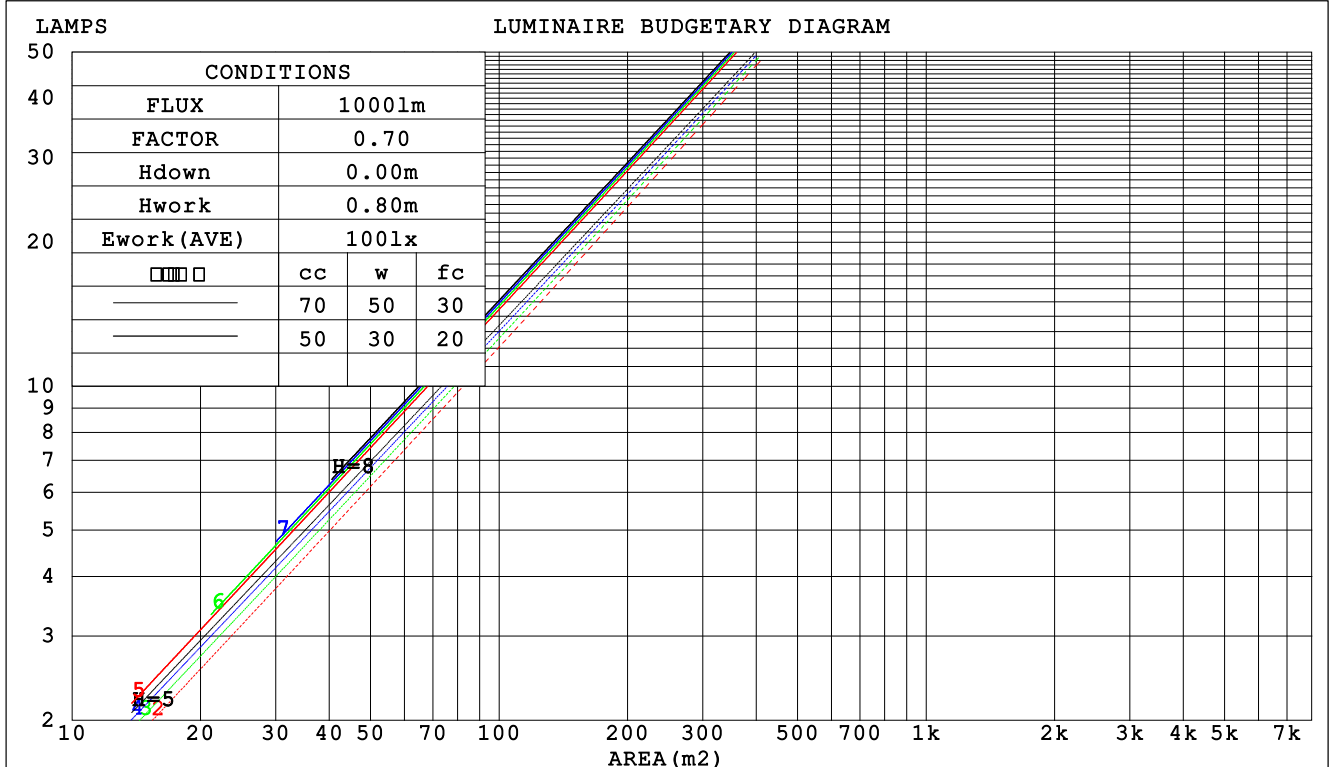
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	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	Coefficients of Utilization(CU)															
	RCR:Room Cavity Ratio															
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	1.14	1.13	1.11	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.01	.00	.98
2.0	1.10	1.08	1.06	1.09	1.07	1.05	1.06	1.04	1.03	1.03	1.02	1.00	1.00	.99	.98	.97
3.0	1.07	1.04	1.02	1.06	1.03	1.01	1.04	1.02	.00	1.01	.00	.98	.99	.98	.97	.96
4.0	1.05	1.02	.99	1.04	1.01	.99	1.02	.00	.98	1.00	.98	.97	.98	.97	.96	.95
5.0	1.03	.00	.97	1.02	.99	.97	1.00	.98	.96	.99	.97	.95	.98	.96	.95	.94
6.0	1.01	.98	.96	1.00	.97	.95	.99	.96	.95	.98	.96	.94	.97	.95	.94	.93
7.0	.99	.96	.94	.99	.96	.94	.98	.95	.94	.97	.95	.93	.96	.94	.93	.92
8.0	.98	.95	.93	.97	.95	.93	.97	.94	.92	.96	.94	.92	.95	.93	.92	.91
9.0	.97	.94	.92	.96	.94	.92	.96	.93	.92	.95	.93	.91	.94	.92	.91	.90
10.0	.95	.93	.91	.95	.93	.91	.95	.92	.91	.94	.92	.91	.94	.92	.90	.90



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

□ Range: 0 - 90DEG  
□ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	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	.114 .065 .020	.107 .061 .019	.095 .054 .017	.084 .048 .015	.073 .042 .014	
2.0	.101 .056 .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 .036 .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	

<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	.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: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm										
NAME: S11-18-1 L0255 RGBW					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	-6.4	-6.0	-6.2	-5.8	-5.7	-6.9	-6.5	-6.7	-6.3	-6.2
3H	-6.2	-5.8	-6.0	-5.6	-5.4	-6.7	-6.3	-6.5	-6.1	-6.0
4H	-5.4	-5.0	-5.2	-4.8	-4.6	-6.0	-5.6	-5.8	-5.4	-5.2
6H	-3.4	-3.0	-3.1	-2.8	-2.5	-3.5	-3.1	-3.2	-2.9	-2.7
8H	-2.0	-1.6	-1.7	-1.4	-1.1	-2.1	-1.7	-1.8	-1.5	-1.3
12H	-0.6	-0.2	-0.3	0.1	0.3	-0.7	-0.3	-0.4	-0.0	0.2
4H 2H	-6.5	-6.1	-6.3	-5.9	-5.7	-7.0	-6.5	-6.7	-6.3	-6.1
3H	-6.1	-5.7	-5.8	-5.4	-5.2	-6.6	-6.2	-6.3	-6.0	-5.7
4H	-4.8	-4.4	-4.5	-4.2	-3.9	-5.3	-4.9	-5.0	-4.7	-4.4
6H	-2.2	-1.8	-1.8	-1.5	-1.2	-2.2	-1.9	-1.8	-1.5	-1.2
8H	-0.5	-0.2	-0.2	0.1	0.5	-0.6	-0.3	-0.2	0.1	0.4
12H	1.1	1.4	1.5	1.7	2.1	1.0	1.3	1.4	1.7	2.1
8H 4H	-4.1	-3.8	-3.7	-3.4	-3.1	-4.4	-4.1	-4.0	-3.8	-3.4
6H	-1.0	-0.7	-0.6	-0.4	0.0	-1.0	-0.7	-0.6	-0.4	0.1
8H	0.8	1.0	1.2	1.4	1.9	0.8	1.0	1.2	1.4	1.8
12H	2.6	2.8	3.1	3.2	3.7	2.6	2.8	3.0	3.2	3.7
12H 4H	-3.7	-3.4	-3.3	-3.1	-2.7	-4.0	-3.8	-3.6	-3.4	-3.0
6H	-0.6	-0.3	-0.1	0.1	0.5	-0.6	-0.3	-0.1	0.1	0.5
8H	1.3	1.5	1.8	1.9	2.4	1.3	1.5	1.7	1.9	2.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.3				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 11905 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 8.6)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

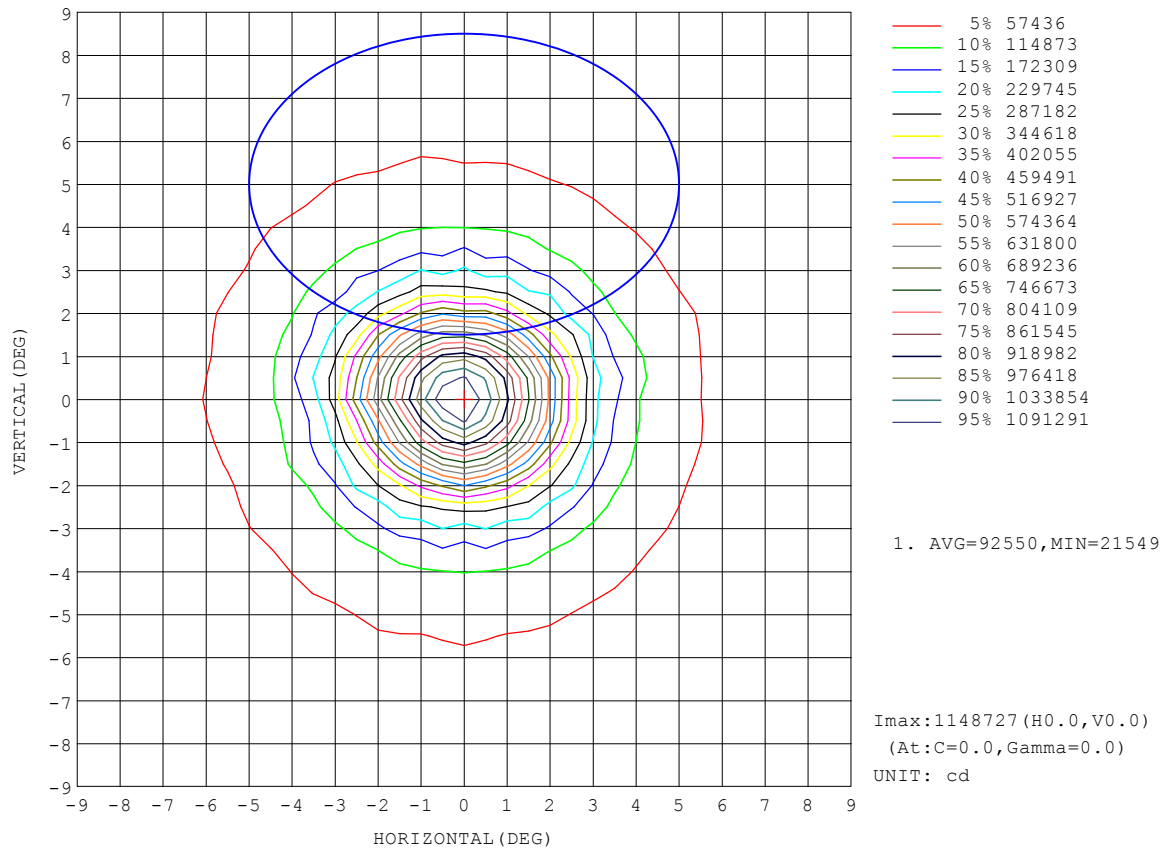
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	81	90	85	81	89	84	81	78
0.80	97	92	89	97	92	89	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		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



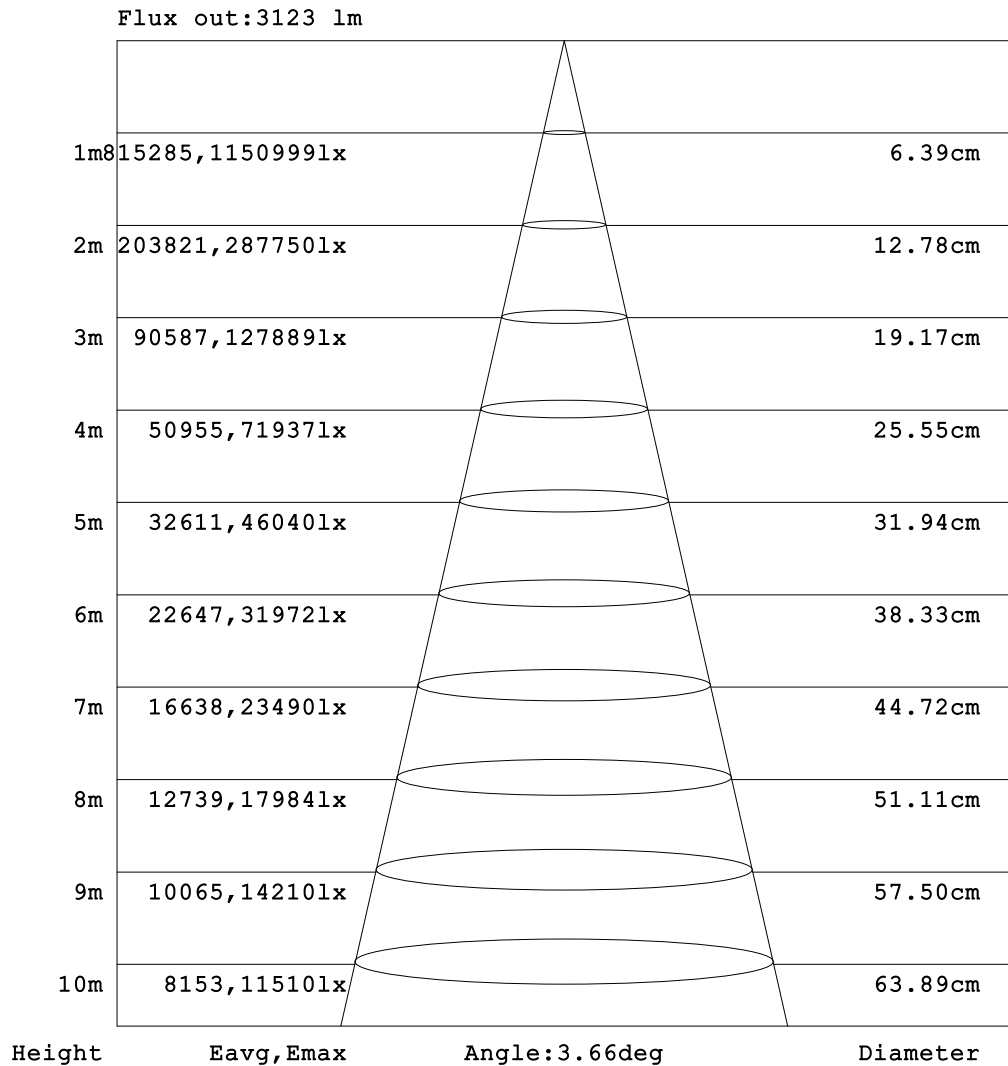
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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 Figure**

Test:U:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



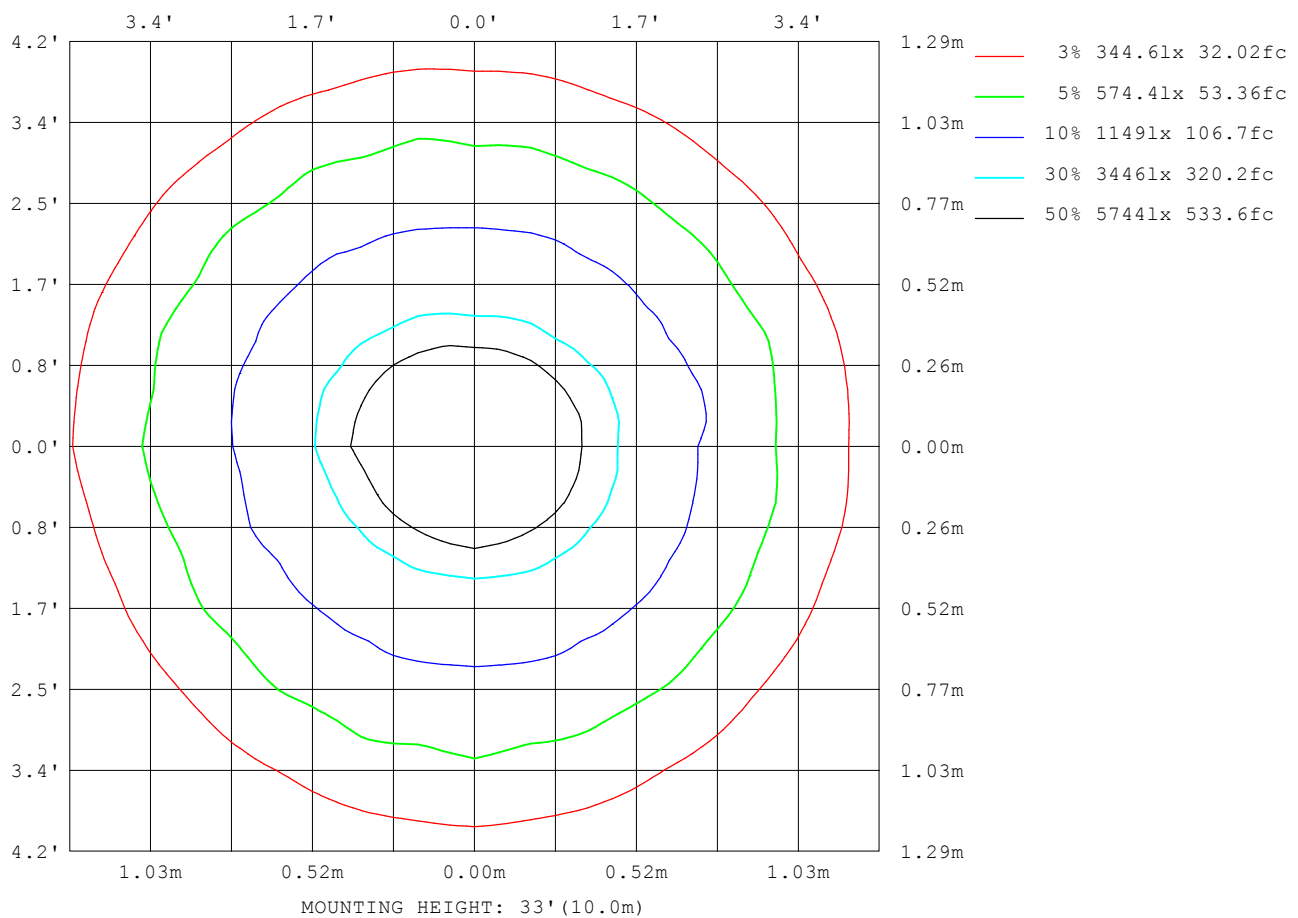
**Note:**The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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:220.75V I:0.9253A P:198.24W PF:0.9706 Freq:50.01Hz Lamp Flux:11905x1 lm		
NAME: S11-18-1 L0255 RGBW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

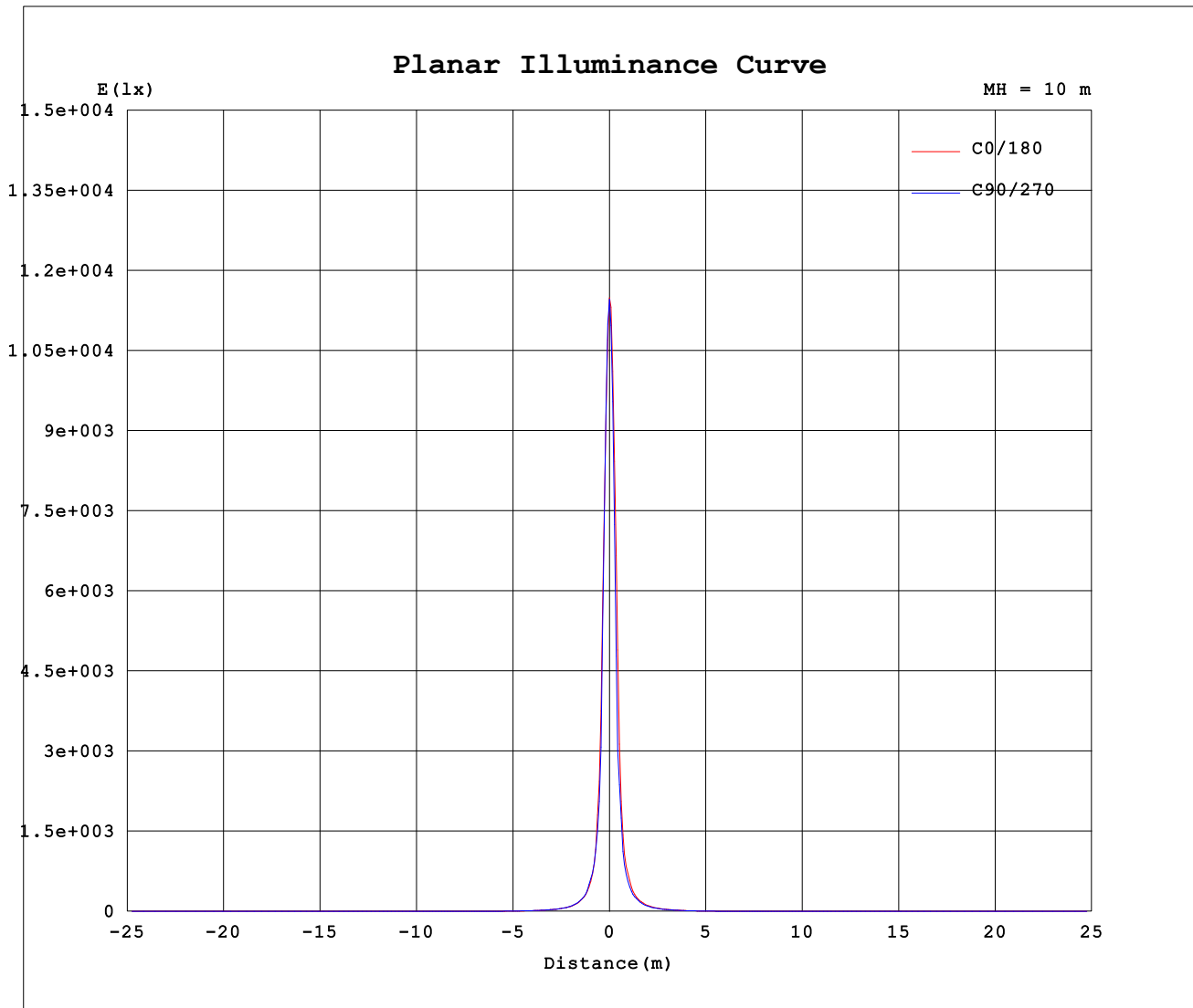
AvgL	cd/m2
L_0~180 (65) av	340
L_0~180 (75) av	794
L_0~180 (85) av	4253
L_90~270 (65) av	329
L_90~270 (75) av	697
L_90~270 (85) av	4551
L_45 (65) av	330
L_45 (75) av	741
L_45 (85) av	4403

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-15

☐ Range: 0 - 90DEG  
☐ 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: 2022-11-15

☐ Range: 0 - 90DEG  
☐ Interval: 0.5DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
Humidity: 65.0%  
Test Distance: 11.635m [K=1.0000]  
Remarks:

```

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

```

```

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

```