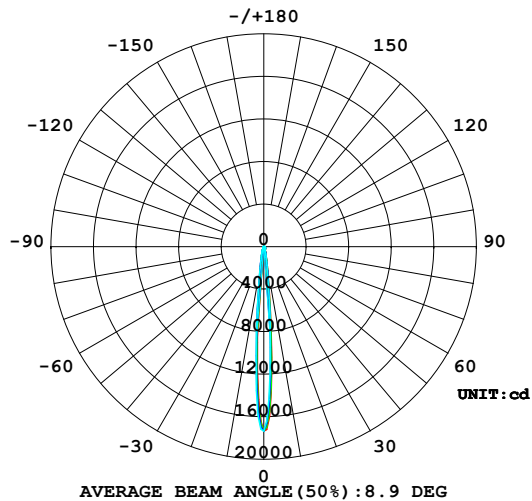


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm					
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.: Traxon Technologies			SUR.:		Shielding Angle:

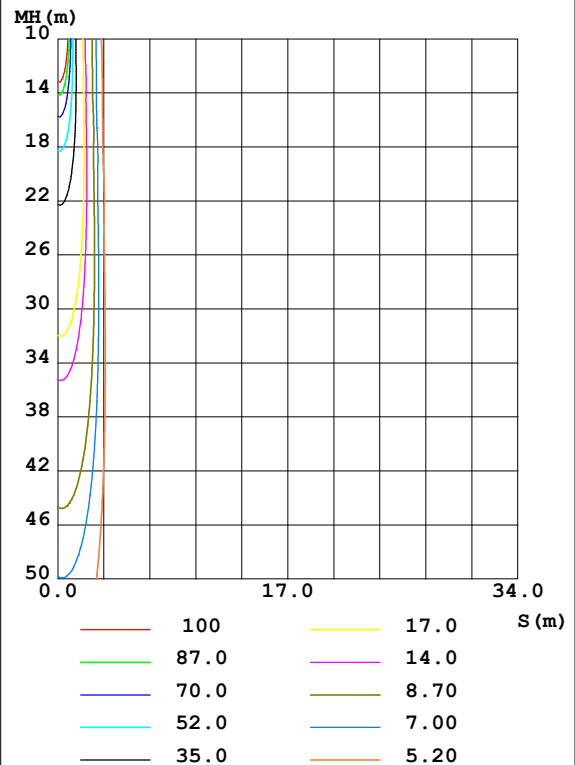
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.58 lm/W
MODEL	AM468770055	I <sub>max</sub> (cd)	17513	S/MH(C0/180)	0.15	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.17	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1074.0	□ UP,DN(C0-180)	0.0,48.1	
NOMINAL FLUX(lm)	1073.97	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,51.9	
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



— C0/180,9.0 Ic=17337  
 — C30/210,8.9 Ic=17337  
 — C60/240,8.9 Ic=17337  
 — C90/270,8.9 Ic=17337

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

□ Range: 0 - 90DEG  
 □ 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:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	194.7	186.3	180.2	172.4	179.8	189.7	197.0	204.2	0- 10	537.6	537.6	50.1,50.1
20	46.73	44.62	43.12	42.17	43.58	45.90	47.57	48.50	10- 20	246.7	784.3	73,73
30	16.16	15.87	15.58	15.39	15.52	16.36	16.66	16.73	20- 30	123.2	907.6	84.5,84.5
40	7.315	7.301	7.158	7.085	7.064	7.418	7.434	7.462	30- 40	67.46	975.0	90.8,90.8
50	4.043	4.044	3.820	3.938	3.954	4.023	3.871	4.007	40- 50	41.10	1016	94.6,94.6
60	2.553	2.514	2.397	2.445	2.510	2.486	2.377	2.460	50- 60	28.36	1044	97.3,97.3
70	1.267	1.236	1.202	1.174	1.208	1.189	1.178	1.188	60- 70	18.24	1063	99,99
80	0.5108	0.4542	0.4489	0.4305	0.4059	0.3640	0.3766	0.3637	70- 80	7.873	1071	99.7,99.7
90	0.2877	0.2854	0.2834	0.2822	0.2132	0.2171	0.2226	0.2249	80- 90	3.360	1074	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:×10cd									UNIT:lm		

Conical surface Flux(90deg): 997.8 lm

%lum = 92.9%

%lamp = 92.9%

Conical surface Flux(120deg): 1044.5 lm

%lum = 97.3%

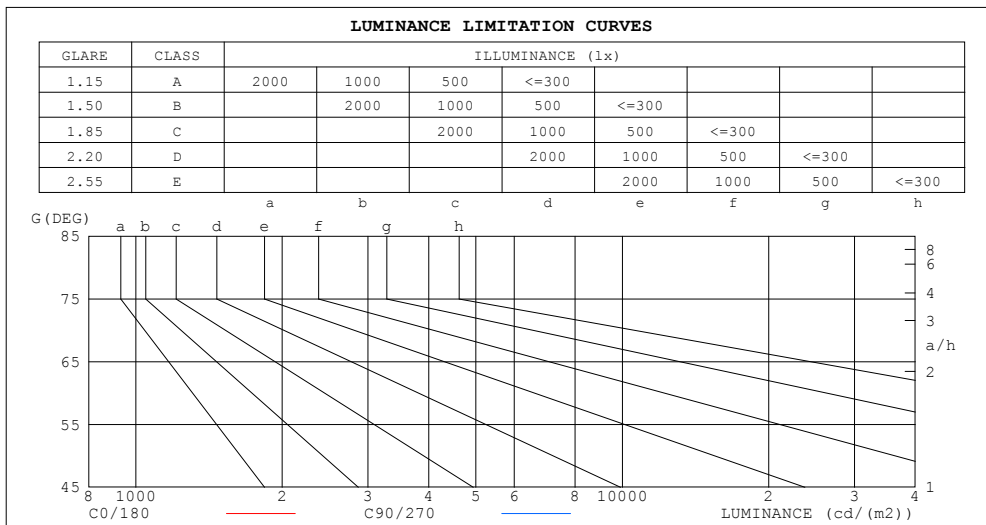
%lamp = 97.3%

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-11-08

□ Range: 0 - 90DEG  
 □ 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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	404	348
80	295	258
75	308	288
70	371	351
65	453	426
60	512	478
55	562	525
50	630	593
45	745	719

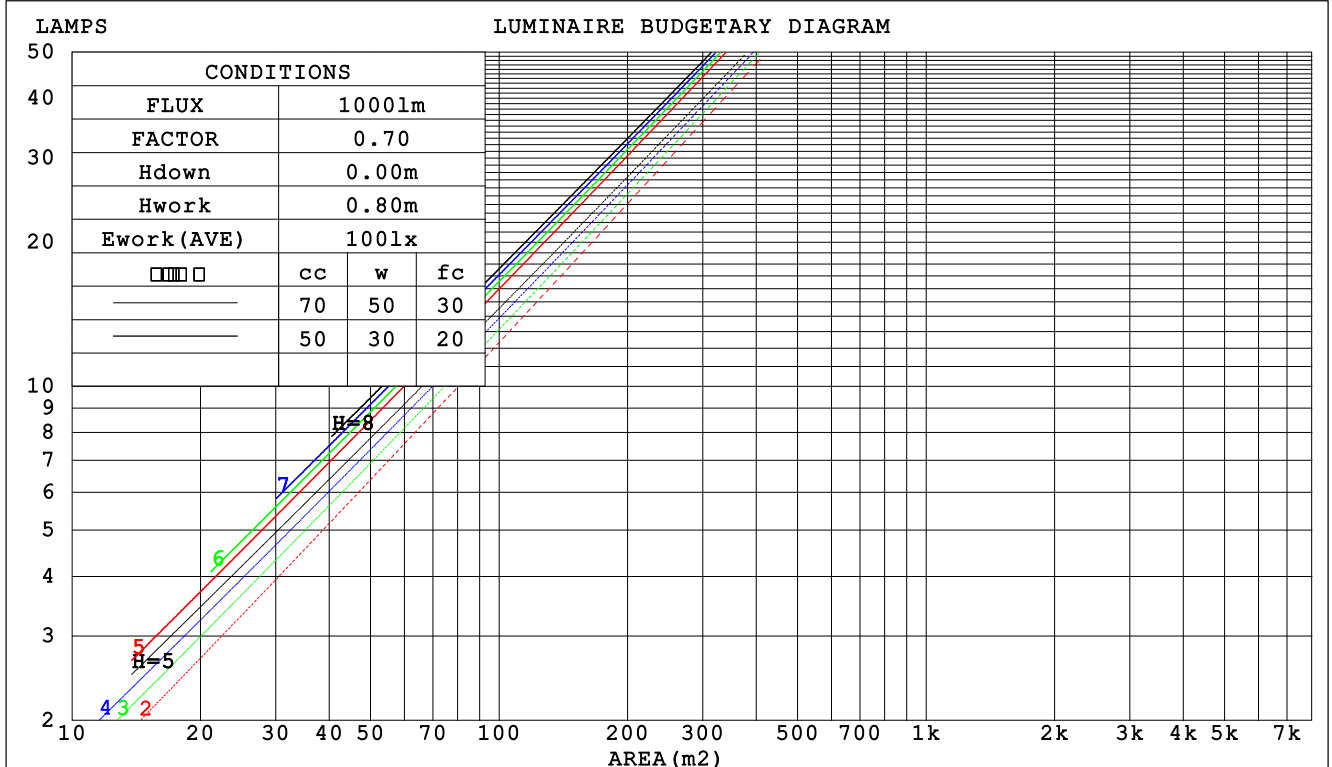
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	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	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

□ Range: 0 - 90DEG  
□ Interval: 1.0DEG  
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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	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	.149 .085 .027	.143 .081 .026	.130 .075 .024	.119 .068 .022	.108 .063 .020	
2.0	.138 .076 .023	.133 .073 .022	.122 .068 .021	.113 .063 .020	.104 .059 .019	
3.0	.128 .068 .020	.123 .066 .020	.115 .062 .019	.107 .058 .018	.099 .055 .017	
4.0	.119 .062 .018	.115 .060 .018	.108 .057 .017	.101 .054 .016	.094 .051 .016	
5.0	.111 .056 .016	.107 .055 .016	.101 .053 .016	.095 .050 .015	.090 .048 .014	
6.0	.104 .052 .015	.101 .051 .015	.095 .049 .014	.090 .047 .014	.086 .045 .013	
7.0	.097 .048 .014	.095 .047 .013	.090 .046 .013	.086 .044 .013	.082 .043 .012	
8.0	.092 .045 .013	.090 .044 .012	.086 .043 .012	.082 .041 .012	.078 .040 .012	
9.0	.087 .042 .012	.085 .041 .012	.081 .040 .011	.078 .039 .011	.075 .038 .011	
10.0	.082 .040 .011	.081 .039 .011	.078 .038 .011	.075 .037 .011	.072 .036 .010	

<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	.169 .158 .147	.145 .135 .127	.099 .093 .088	.057 .054 .051	.018 .017 .016	
2.0	.152 .133 .117	.130 .114 .101	.089 .079 .070	.051 .046 .041	.016 .015 .013	
3.0	.137 .113 .094	.118 .098 .082	.081 .068 .057	.047 .040 .034	.015 .013 .011	
4.0	.125 .098 .078	.107 .085 .068	.074 .059 .048	.043 .035 .028	.014 .011 .009	
5.0	.114 .086 .065	.098 .074 .057	.067 .052 .040	.039 .030 .024	.013 .010 .008	
6.0	.105 .076 .055	.090 .066 .048	.062 .046 .034	.036 .027 .020	.012 .009 .007	
7.0	.097 .068 .047	.084 .059 .041	.058 .041 .029	.034 .024 .017	.011 .008 .006	
8.0	.090 .061 .041	.078 .053 .035	.054 .037 .025	.031 .022 .015	.010 .007 .005	
9.0	.084 .055 .035	.073 .048 .031	.050 .034 .022	.029 .020 .013	.009 .007 .004	
10.0	.079 .050 .031	.068 .044 .027	.047 .031 .019	.028 .018 .012	.009 .006 .004	

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ 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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm										
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC					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	5.2	5.9	5.4	6.1	6.2	5.1	5.7	5.3	5.9	6.0
3H	6.1	6.7	6.3	6.9	7.1	5.9	6.5	6.1	6.7	6.9
4H	6.3	6.9	6.6	7.1	7.4	6.1	6.7	6.4	7.0	7.2
6H	6.5	7.1	6.8	7.3	7.6	6.3	6.9	6.6	7.1	7.4
8H	6.6	7.2	6.9	7.4	7.7	6.4	6.9	6.7	7.2	7.4
12H	6.7	7.3	7.0	7.5	7.8	6.4	7.0	6.8	7.3	7.5
4H 2H	5.6	6.2	5.9	6.4	6.6	5.5	6.1	5.7	6.3	6.5
3H	6.6	7.1	6.9	7.4	7.6	6.4	7.0	6.7	7.2	7.5
4H	6.9	7.4	7.2	7.7	8.0	6.8	7.3	7.1	7.6	7.9
6H	7.2	7.6	7.5	7.9	8.3	7.0	7.5	7.4	7.8	8.1
8H	7.3	7.7	7.7	8.1	8.4	7.1	7.5	7.5	7.9	8.2
12H	7.5	7.8	7.9	8.2	8.6	7.2	7.6	7.6	8.0	8.4
8H 4H	7.0	7.4	7.3	7.7	8.1	6.8	7.3	7.2	7.6	8.0
6H	7.3	7.7	7.7	8.1	8.5	7.2	7.5	7.6	7.9	8.3
8H	7.5	7.8	8.0	8.2	8.7	7.3	7.7	7.8	8.1	8.5
12H	7.8	8.0	8.2	8.5	9.0	7.6	7.8	8.0	8.3	8.7
12H 4H	6.9	7.3	7.3	7.7	8.1	6.8	7.2	7.2	7.6	8.0
6H	7.3	7.6	7.8	8.0	8.5	7.2	7.5	7.6	7.9	8.3
8H	7.5	7.8	8.0	8.3	8.7	7.4	7.7	7.9	8.1	8.6
Variations with the observer position at spacings:										
S = 1.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 0.4					+ 0.5 / - 0.5				
2.0H	+ 0.6 / - 0.5					+ 0.5 / - 0.6				

CIE Pub.117, 1074 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.2)  
Area: 0.1 m2

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

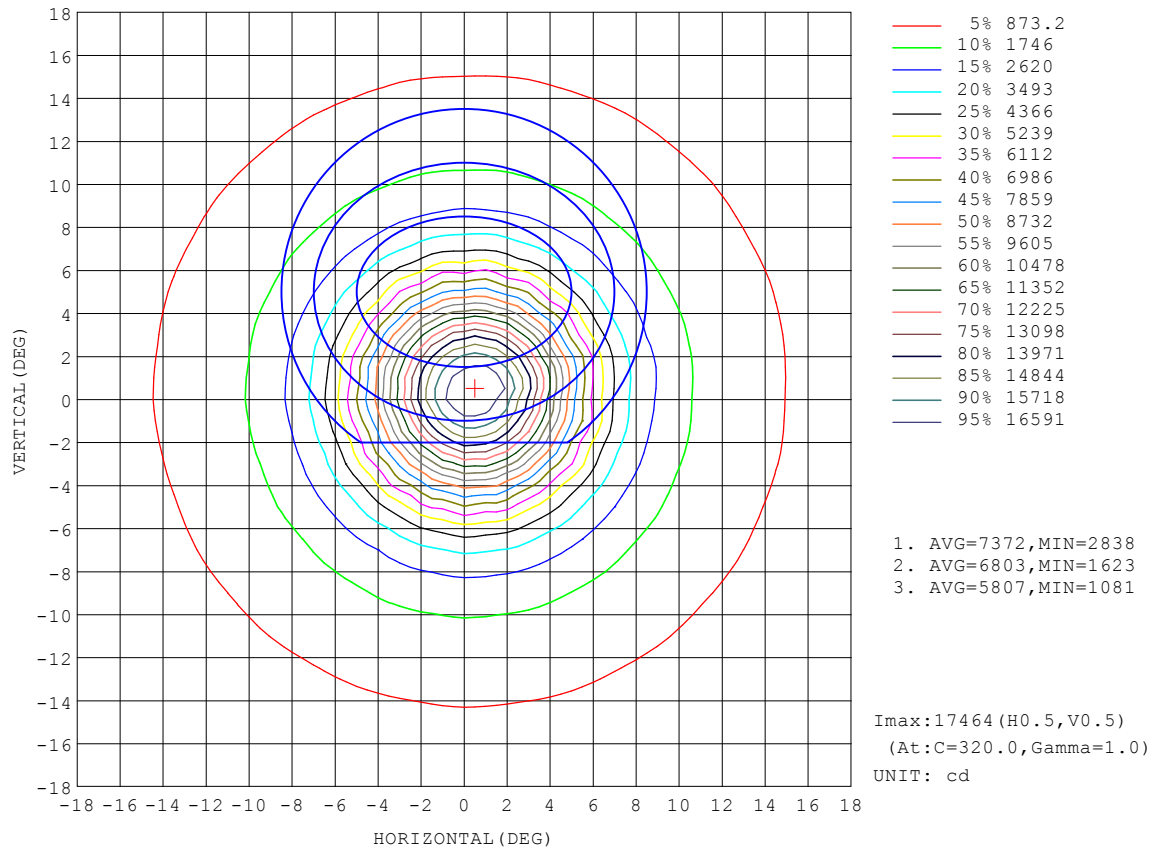
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	85	79	75	71
0.80	93	87	83	93	87	83	91	86	83	79
1.00	98	92	88	97	92	88	95	91	87	83
1.25	102	96	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	98	95	90
2.00	108	103	100	106	102	99	103	100	98	92
2.50	110	105	102	108	104	101	105	102	99	93
3.00	111	108	105	109	106	104	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	113	110	109	109	107	106	98
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: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



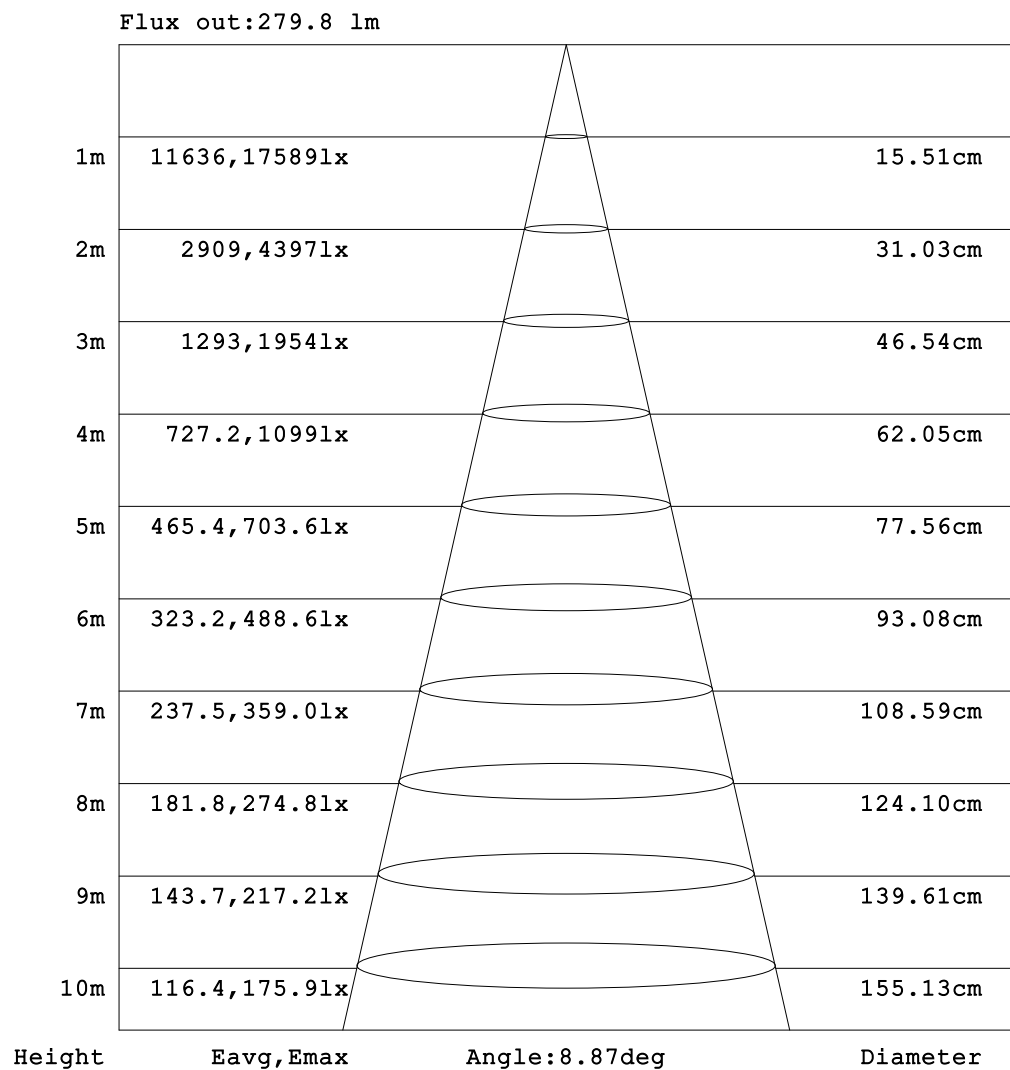
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



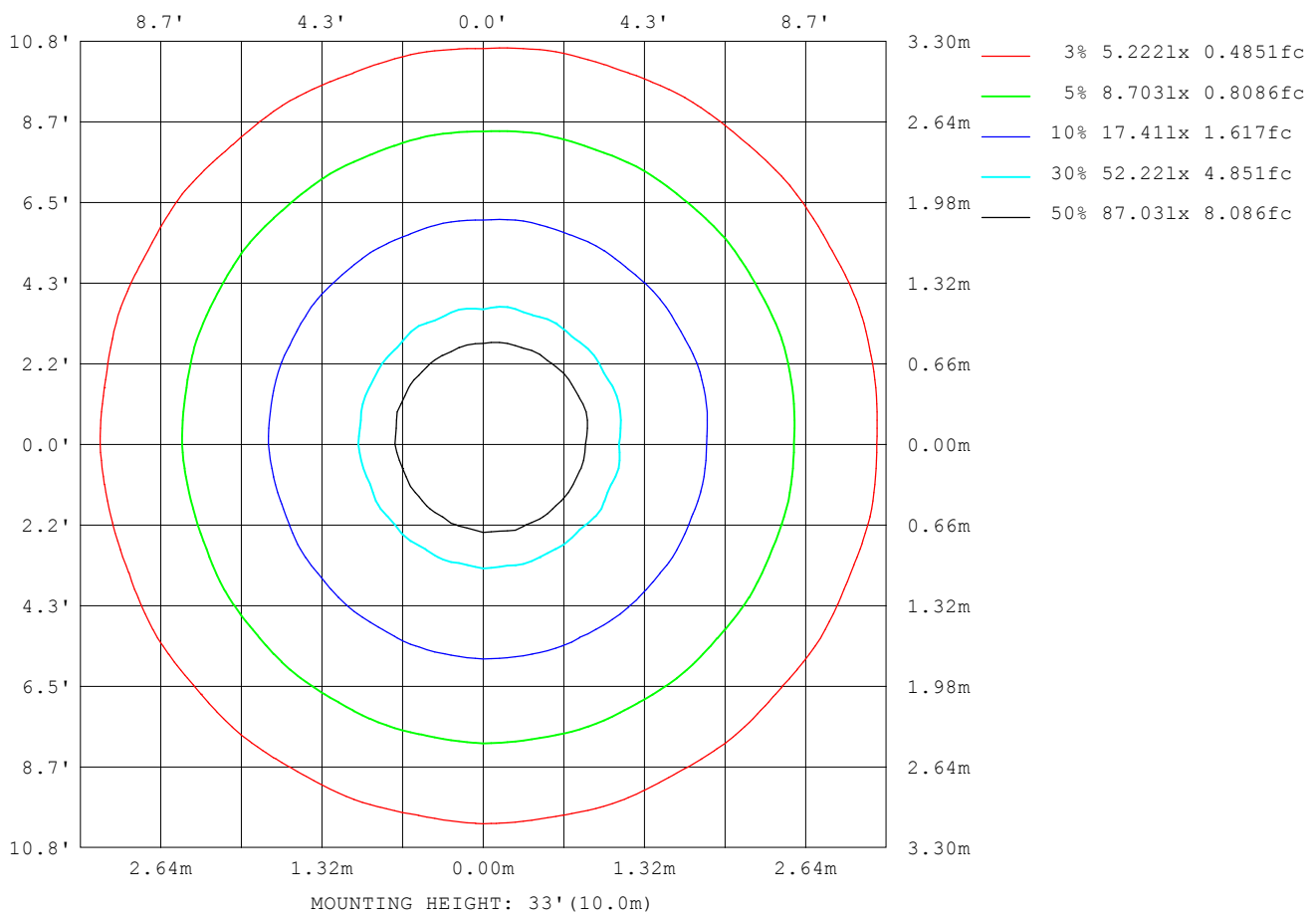
**Note:** The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	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:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 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:220.85V I:0.0788A P:11.988W PF:0.6885 Freq:50.01Hz Lamp Flux:1073.97x1 lm		
NAME: ALLINEAR 2.1 1FT 57 DX 10ETL CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

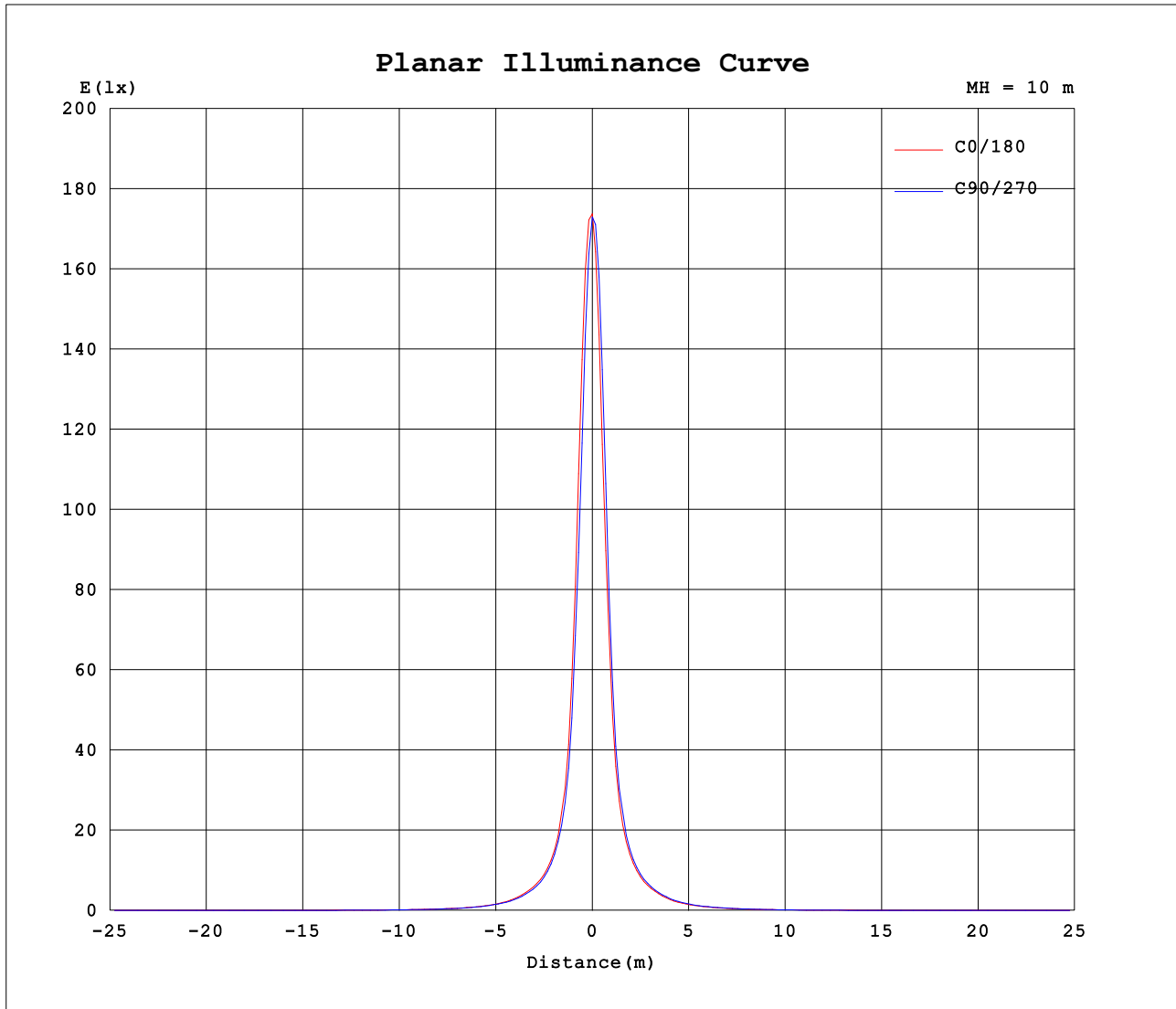
AvgL	cd/m2
L_0~180 (65) av	447
L_0~180 (75) av	286
L_0~180 (85) av	369
L_90~270 (65) av	425
L_90~270 (75) av	274
L_90~270 (85) av	335
L_45 (65) av	434
L_45 (75) av	271
L_45 (85) av	331

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
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: 2022-11-08

☐ Range: 0 - 90DEG  
☐ Interval: 1.0DEG  
 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: 1.0DEG  
 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: 1.0DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.417  
 Humidity:65.0%  
 Test Distance:11.635m [K=1.0000]  
 Remarks: