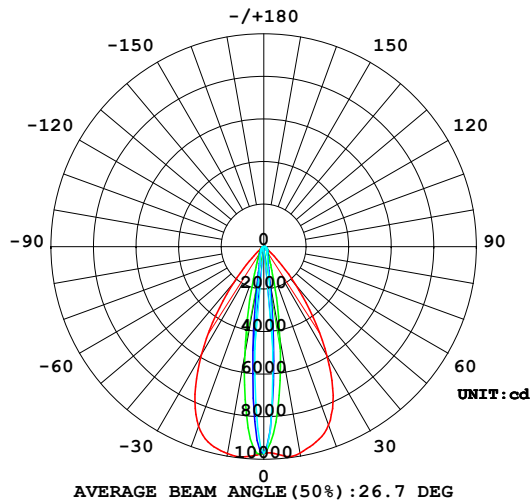


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

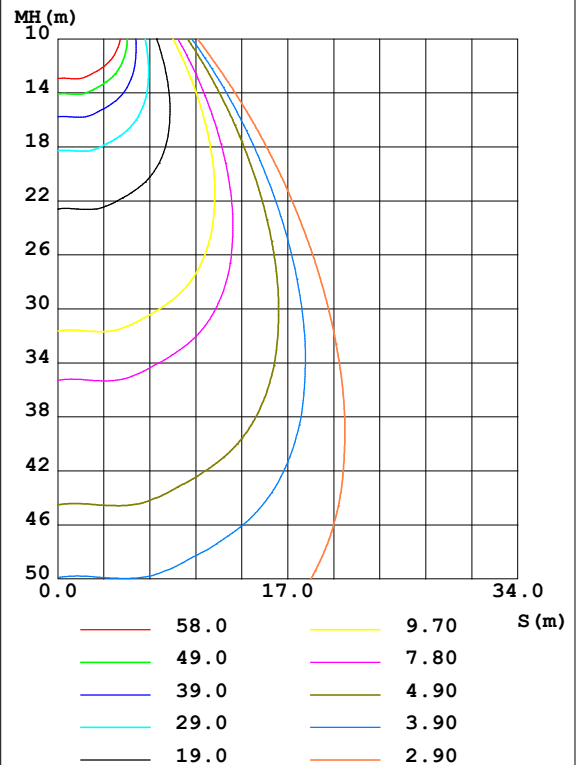
DATA OF LAMP		PHOTOMETRIC DATA				Eff: 61.13 lm/W
MODEL	AM471130055	I _{max} (cd)	9976	S/MH(C0/180)	0.96	
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	0.17	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2910.4	□ UP,DN(C0-180)	0.0,50.5	
NOMINAL FLUX(lm)	2910.36	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,49.5	
LAMPS 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



— C0/180,65.4 Ic=9715
 — C30/210,19.6 Ic=9771
 — C60/240,11.5 Ic=9715
 — C90/270,10.0 Ic=9715

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-25

□ 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	9854	2648	1394	3196	9879	3099	1344	2667	0- 10	576.1	576.1	19.8,19.8
20	8920	669.3	541.3	693.5	8974	695.5	539.6	683.5	10- 20	769.2	1345	46.2,46.2
30	5976	396.9	312.0	396.2	5874	394.7	304.2	399.8	20- 30	660.6	2006	68.9,68.9
40	2324	243.3	215.5	241.8	2219	236.4	211.2	241.0	30- 40	425.6	2432	83.5,83.5
50	363.2	165.0	153.9	164.2	339.2	160.8	149.0	163.0	40- 50	217.3	2649	91,91
60	150.8	105.4	101.6	106.6	148.0	103.8	97.48	104.3	50- 60	127.1	2776	95.4,95.4
70	89.03	56.83	49.33	58.24	85.91	55.18	46.64	56.09	60- 70	84.01	2860	98.3,98.3
80	32.84	17.41	13.41	18.77	29.68	15.23	12.09	16.27	70- 80	39.87	2900	99.6,99.6
90	5.894	6.512	7.197	7.207	3.297	3.829	6.529	4.015	80- 90	10.54	2910	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): 2559.5 lm

%lum = 87.9%

%lamp = 87.9%

Conical surface Flux(120deg): 2775.9 lm

%lum = 95.4%

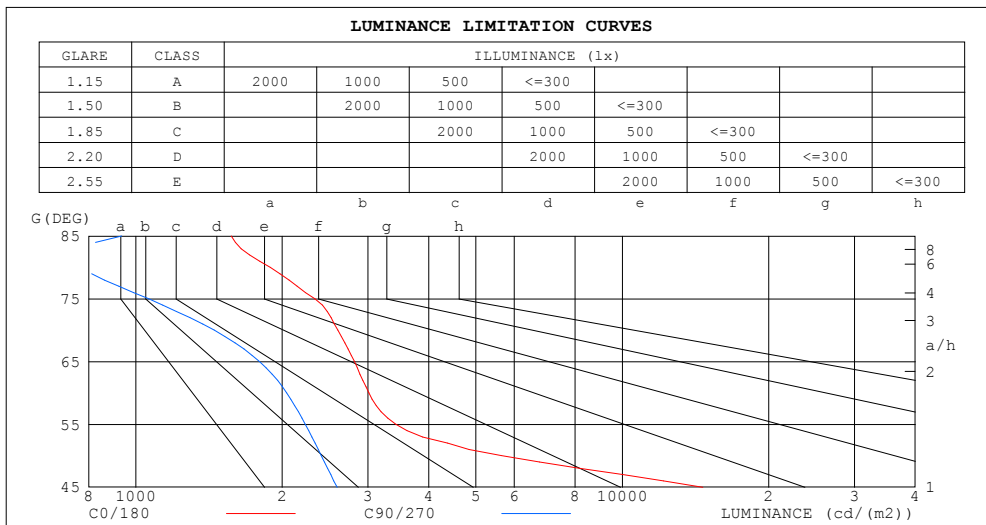
%lamp = 95.4%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-25

□ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1572	937
80	1890	776
75	2333	1062
70	2601	1449
65	2814	1795
60	3012	2043
55	3424	2231
50	5646	2406
45	14628	2593

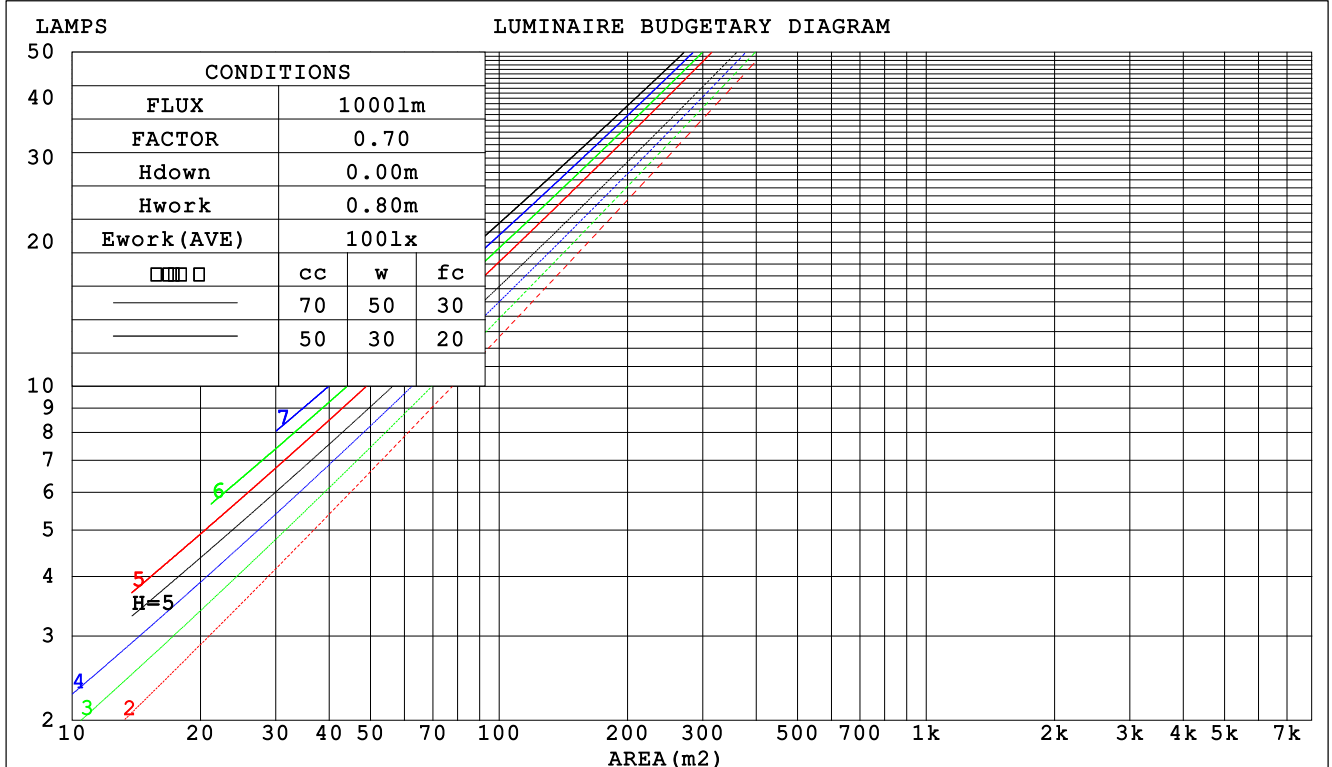
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE 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:2022-11-25

□ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE 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	.191 .108 .034	.184 .105 .033	.171 .098 .031	.160 .092 .030	.149 .086 .028	
2.0	.181 .099 .030	.175 .096 .030	.164 .091 .028	.155 .087 .027	.145 .082 .026	
3.0	.170 .090 .027	.165 .088 .027	.156 .085 .026	.148 .081 .025	.140 .077 .024	
4.0	.160 .083 .024	.156 .081 .024	.148 .078 .023	.140 .075 .023	.134 .073 .022	
5.0	.151 .077 .022	.147 .075 .022	.140 .073 .021	.134 .071 .021	.128 .068 .020	
6.0	.142 .071 .020	.139 .070 .020	.133 .068 .020	.127 .066 .019	.122 .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	.120 .060 .017	.116 .059 .017	.112 .057 .017	
9.0	.121 .059 .016	.119 .058 .016	.115 .057 .016	.111 .056 .016	.107 .054 .016	
10.0	.116 .055 .015	.114 .055 .015	.110 .054 .015	.106 .053 .015	.103 .052 .015	

<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	.172 .157 .144	.147 .135 .124	.101 .093 .086	.058 .054 .050	.019 .017 .016	
2.0	.157 .132 .111	.135 .114 .096	.092 .079 .067	.053 .046 .039	.017 .015 .013	
3.0	.145 .114 .088	.125 .098 .077	.085 .068 .054	.049 .040 .032	.016 .013 .010	
4.0	.135 .099 .072	.116 .086 .062	.080 .060 .044	.046 .035 .026	.015 .011 .009	
5.0	.126 .087 .059	.108 .076 .051	.074 .053 .036	.043 .031 .022	.014 .010 .007	
6.0	.118 .078 .049	.101 .068 .043	.070 .047 .030	.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	.099 .059 .031	.086 .051 .027	.059 .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:2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm										
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE 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	12.0	12.9	12.2	13.1	13.3	7.3	8.2	7.5	8.4	8.6
3H	12.5	13.4	12.8	13.6	13.8	8.2	9.1	8.5	9.3	9.5
4H	12.7	13.6	13.0	13.8	14.0	8.5	9.3	8.7	9.5	9.7
6H	12.9	13.7	13.2	13.9	14.2	8.5	9.3	8.8	9.6	9.8
8H	12.9	13.7	13.3	14.0	14.2	8.6	9.3	8.9	9.6	9.9
12H	13.0	13.7	13.3	14.0	14.2	8.6	9.3	8.9	9.6	9.9
4H 2H	12.0	12.8	12.2	13.0	13.2	7.8	8.7	8.1	8.9	9.1
3H	12.6	13.3	12.9	13.6	13.9	8.9	9.6	9.2	9.9	10.2
4H	12.9	13.6	13.3	13.9	14.2	9.2	9.9	9.6	10.2	10.5
6H	13.2	13.7	13.5	14.1	14.4	9.4	9.9	9.7	10.3	10.6
8H	13.2	13.8	13.6	14.1	14.5	9.4	9.9	9.8	10.3	10.7
12H	13.3	13.8	13.7	14.1	14.5	9.4	9.9	9.8	10.3	10.7
8H 4H	12.9	13.4	13.3	13.8	14.1	9.4	9.9	9.8	10.3	10.6
6H	13.2	13.6	13.6	14.0	14.4	9.6	10.0	10.0	10.4	10.9
8H	13.3	13.7	13.7	14.1	14.5	9.7	10.1	10.1	10.5	10.9
12H	13.3	13.7	13.8	14.1	14.6	9.7	10.1	10.2	10.5	11.0
12H 4H	12.8	13.3	13.2	13.7	14.1	9.4	9.9	9.8	10.2	10.6
6H	13.1	13.5	13.6	13.9	14.4	9.6	10.0	10.1	10.4	10.9
8H	13.2	13.6	13.7	14.0	14.5	9.7	10.0	10.2	10.5	10.9
Variations with the observer position at spacings:										
S = 1.0H	+ 5.8 / - 3.7					+ 0.3 / - 0.4				
1.5H	+ 7.9 / - 4.2					+ 0.1 / - 0.2				
2.0H	+ 7.1 / - 1.8					+ 0.5 / - 0.5				

CIE Pub.117, 2910 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:2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

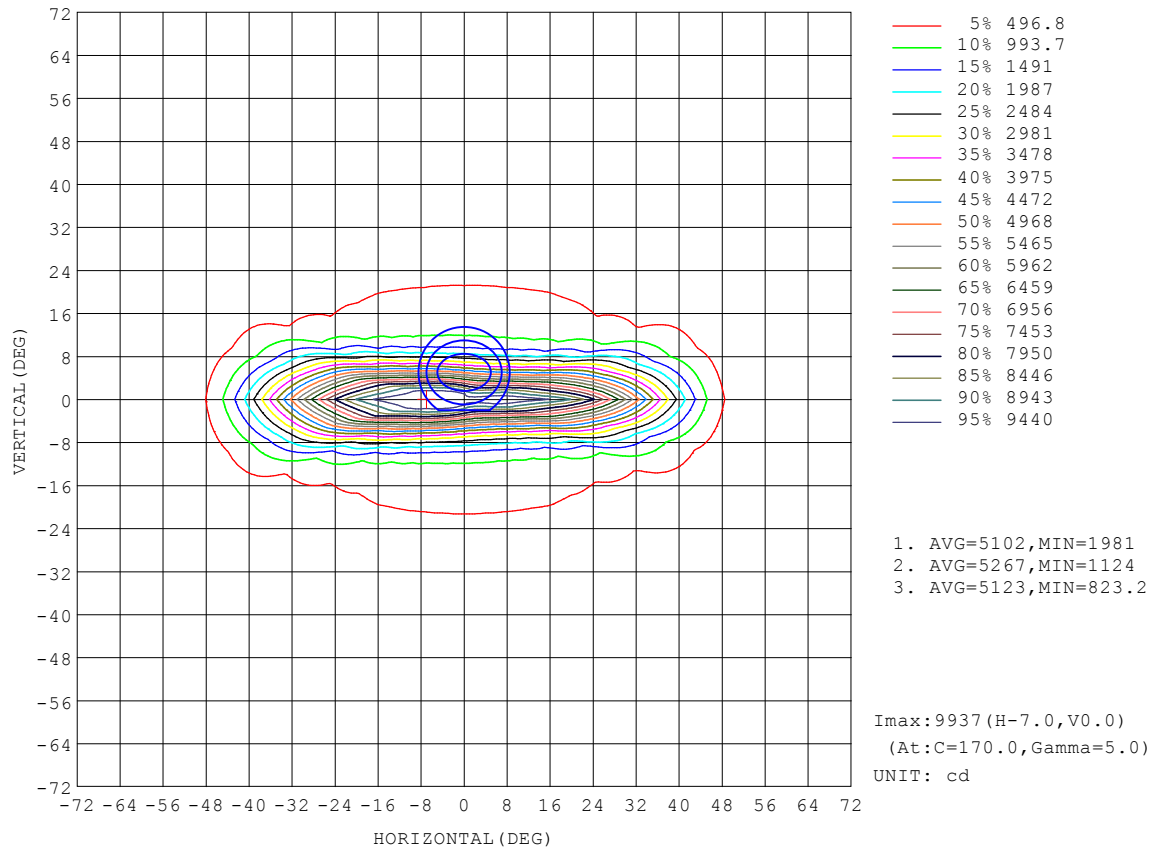
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	81	74	69	81	74	69	80	73	69	65
0.80	89	82	78	89	82	78	87	81	77	73
1.00	95	88	84	94	88	83	92	88	83	78
1.25	99	93	89	98	92	89	96	91	88	83
1.50	102	97	93	101	96	92	99	94	91	86
2.00	106	101	97	104	100	96	102	98	95	89
2.50	108	104	100	106	102	99	103	100	97	91
3.00	110	106	103	108	104	102	105	102	99	93
4.00	112	109	106	110	107	105	107	104	102	95
5.00	114	111	109	112	109	107	108	106	104	96
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: 2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

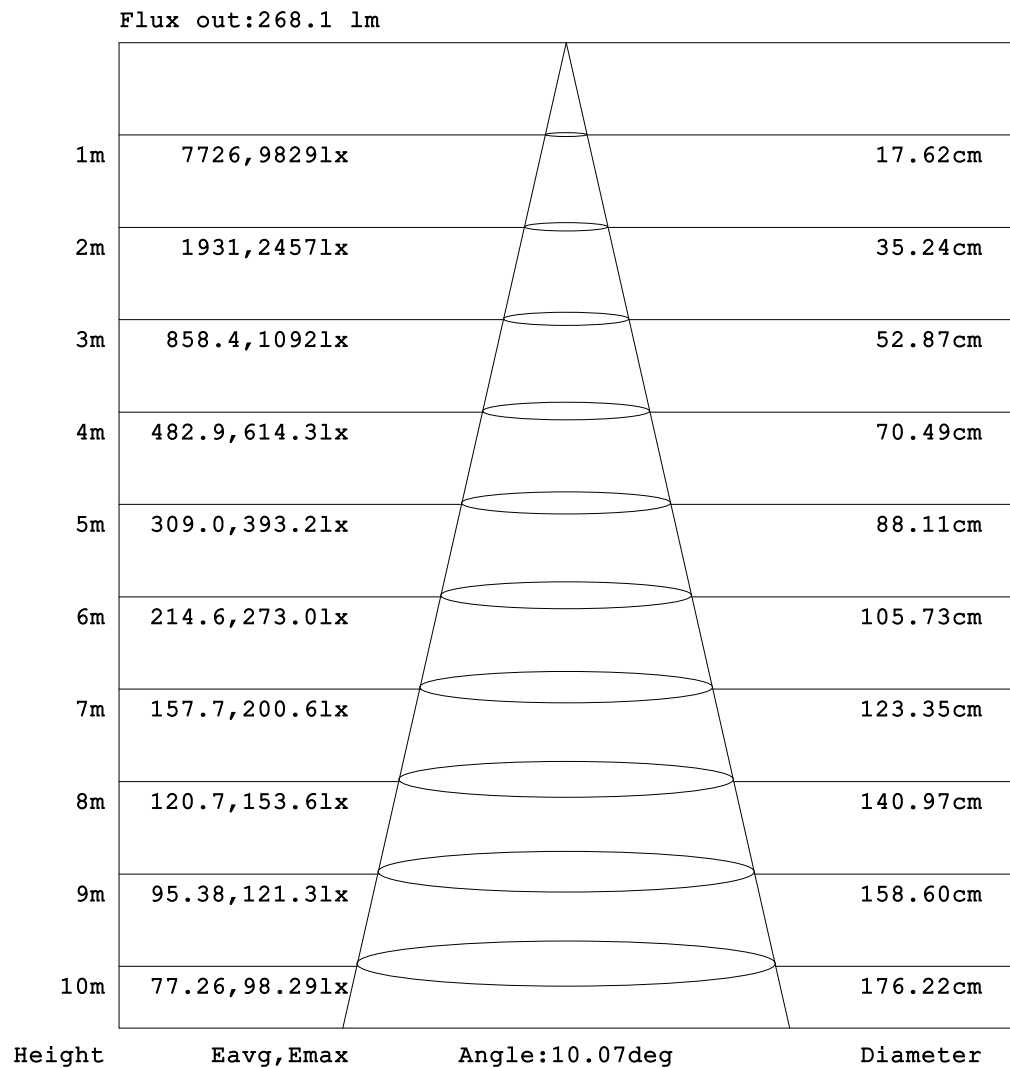


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



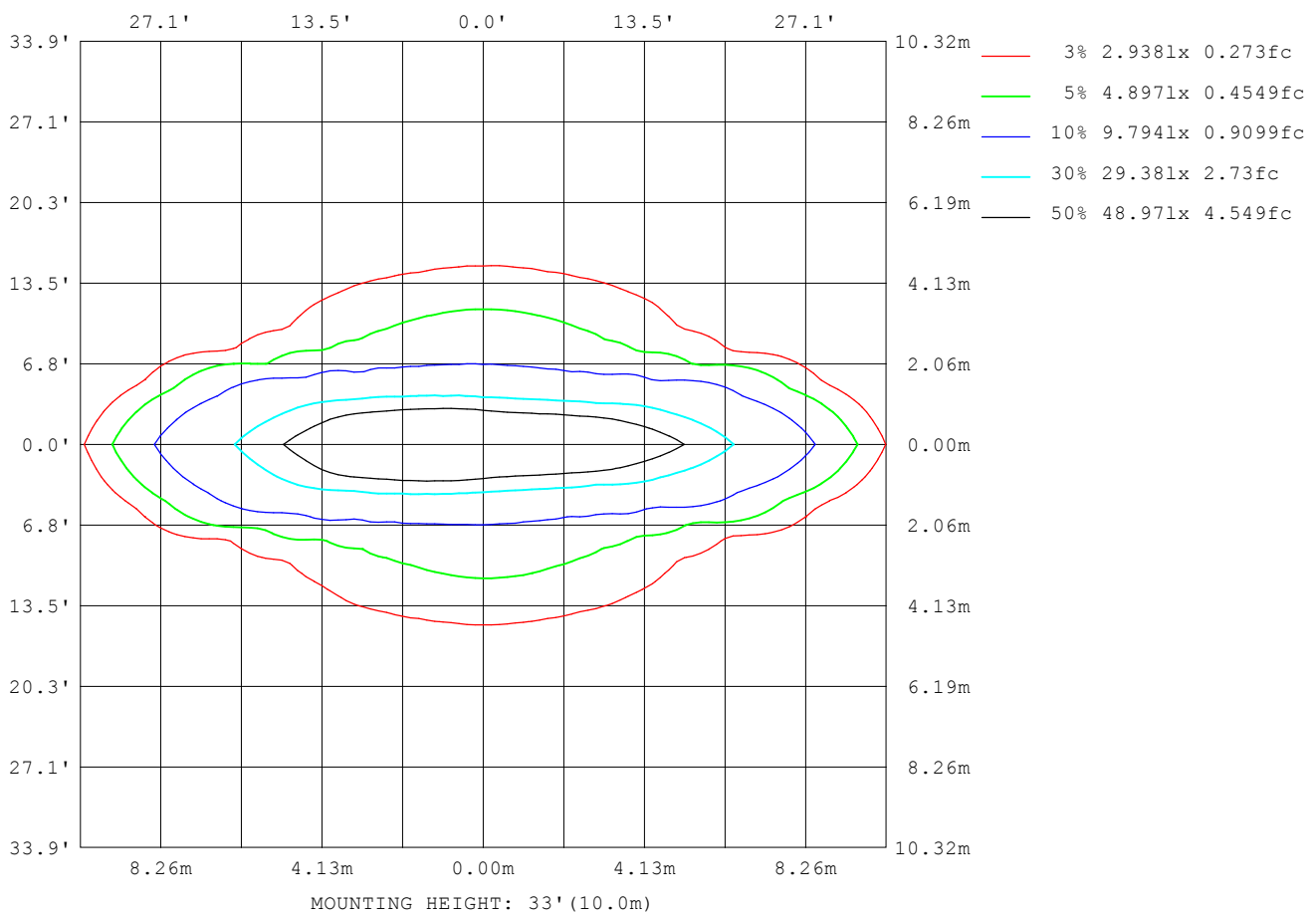
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE 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:2022-11-25

☐ 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:220.86V I:0.2208A P:47.611W PF:0.9800 Freq:50.01Hz Lamp Flux:2910.36x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 60X10 CE CC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

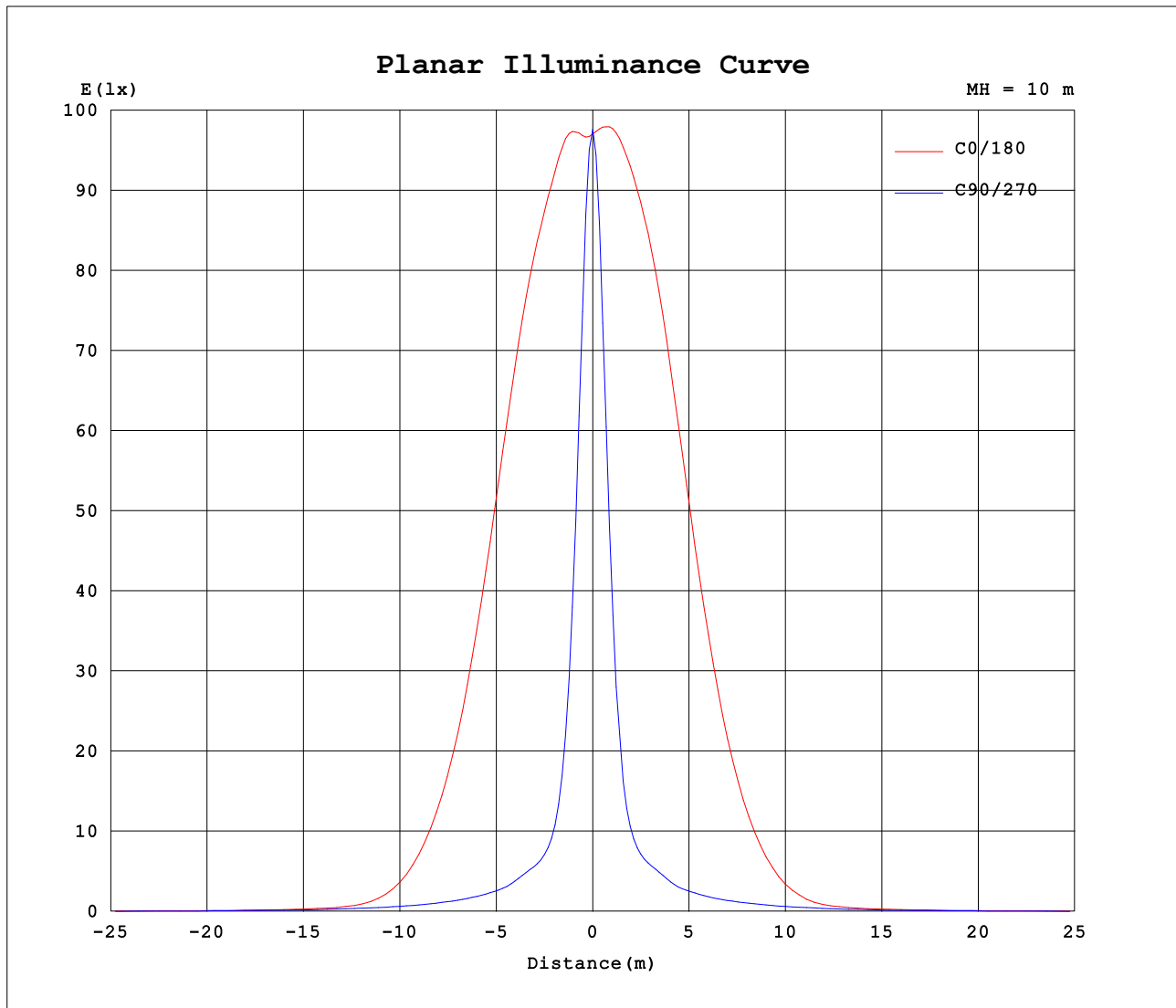
AvgL	cd/m2
L_0~180 (65) av	2783
L_0~180 (75) av	2266
L_0~180 (85) av	1403
L_90~270 (65) av	1748
L_90~270 (75) av	1005
L_90~270 (85) av	947
L_45 (65) av	1887
L_45 (75) av	1348
L_45 (85) av	793

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-25

☐ 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: 2022-11-25

☐ 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: