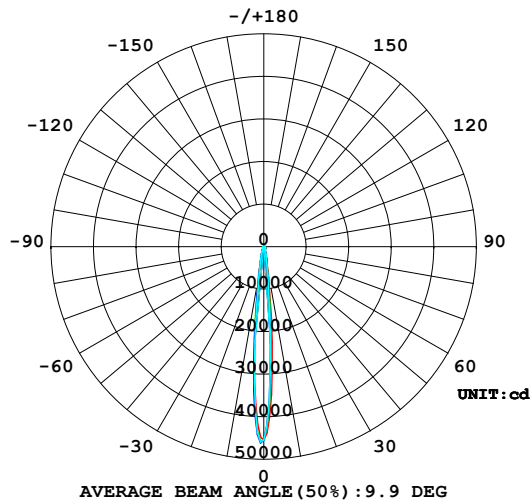


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

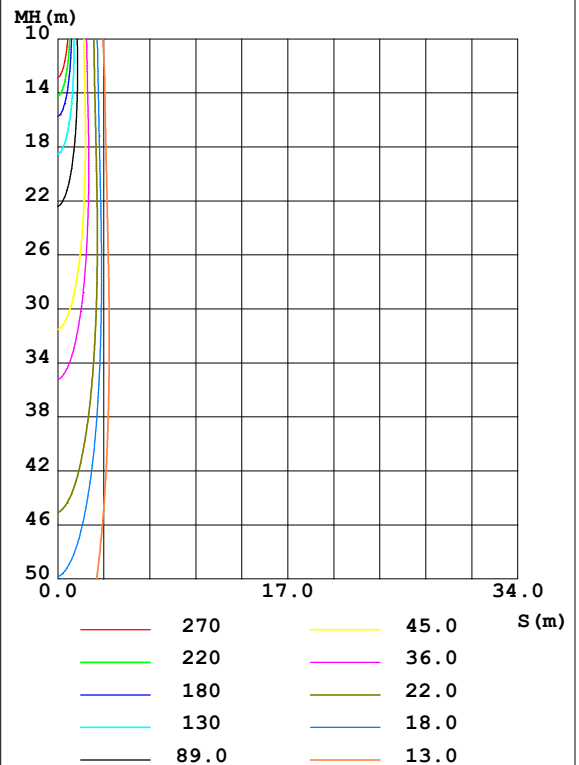
DATA OF LAMP		PHOTOMETRIC DATA Eff: 65.96 lm/W			
MODEL	AM471120055	I _{max} (cd)	46164	S/MH(C0/180)	0.19
NOMINAL POWER(W)	55	LOR(%)	100.0	S/MH(C90/270)	0.19
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3161.4	□ UP,DN(C0-180)	0.0,45.4
NOMINAL FLUX(lm)	3161.43	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.0,54.6
LAMPS 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



— C0/180,10.5 Ic=45487
 — C30/210,10.2 Ic=45658
 — C60/240,9.5 Ic=46164
 — C90/270,9.3 Ic=45936

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-24

□ 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	579.1	483.1	457.0	505.1	681.2	701.3	618.2	633.2	0- 10	1588	1588	50.2,50.2
20	126.9	116.7	113.1	117.7	135.7	140.2	134.6	130.5	10- 20	714.0	2302	72.8,72.8
30	44.50	42.13	41.33	42.46	47.28	48.11	46.34	45.00	20- 30	341.3	2643	83.6,83.6
40	22.04	20.67	20.05	20.65	22.83	22.79	21.95	21.69	30- 40	191.4	2834	89.7,89.7
50	13.60	12.45	11.53	12.37	13.85	13.60	12.62	13.03	40- 50	126.9	2961	93.7,93.7
60	9.387	8.016	7.451	8.016	9.507	8.832	8.196	8.454	50- 60	94.14	3055	96.6,96.6
70	5.457	4.097	3.757	4.129	5.393	4.707	4.395	4.486	60- 70	64.30	3120	98.7,98.7
80	2.329	1.419	1.372	1.478	2.210	1.493	1.374	1.447	70- 80	30.53	3150	99.6,99.6
90	0.9164	0.8647	0.8618	0.8841	0.6001	0.6321	0.6943	0.6153	80- 90	11.29	3161	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): 2903.1 lm

%lum = 91.8%

%lamp = 91.8%

Conical surface Flux(120deg): 3055.3 lm

%lum = 96.6%

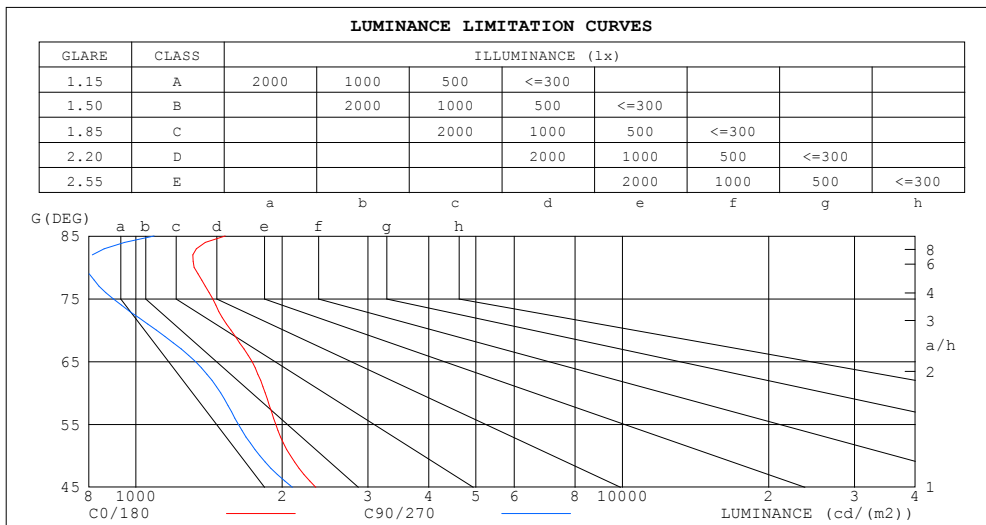
%lamp = 96.6%

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-24

□ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1526	1091
80	1318	792
75	1439	898
70	1568	1101
65	1733	1326
60	1845	1494
55	1940	1626
50	2079	1799
45	2342	2100

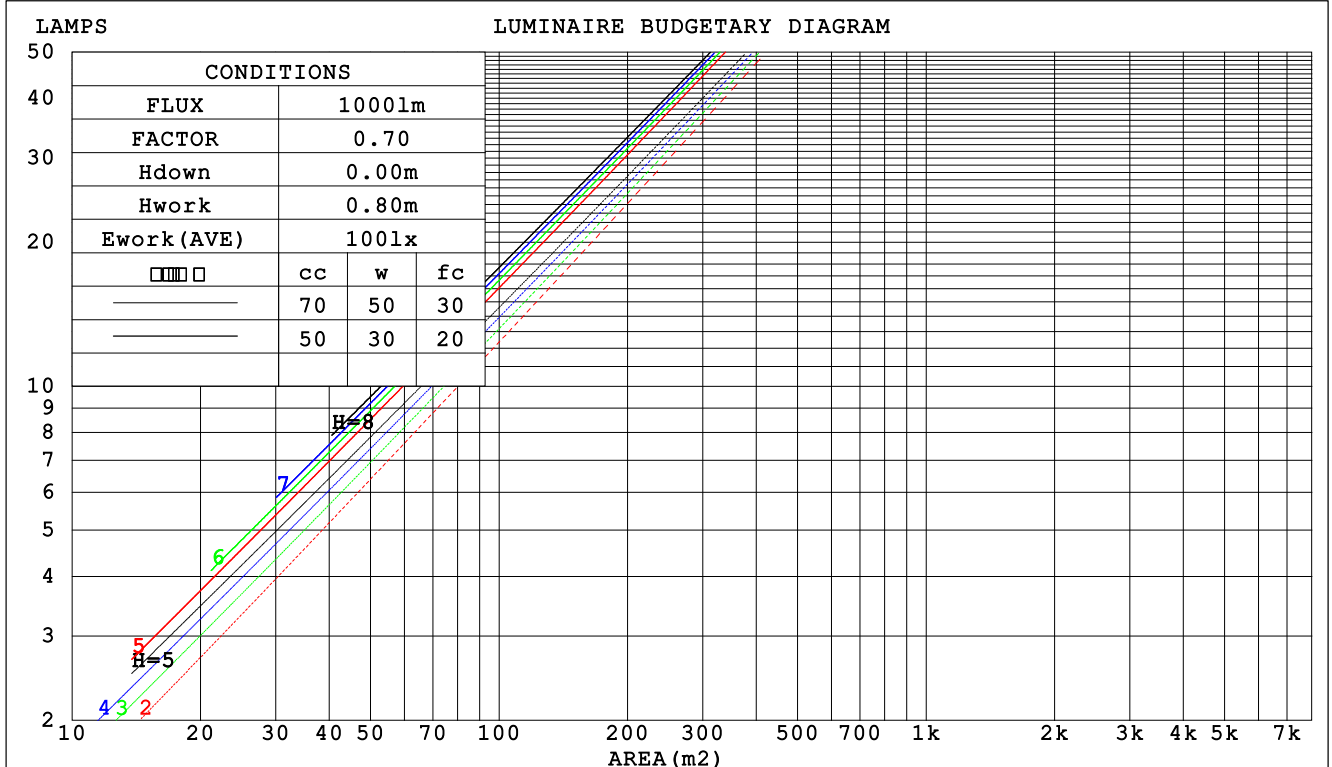
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	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:2022-11-24

□ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	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	.152 .087 .027	.146 .083 .026	.133 .076 .024	.122 .070 .023	.111 .064 .021	
2.0	.141 .077 .024	.135 .075 .023	.125 .070 .022	.116 .065 .020	.107 .060 .019	
3.0	.130 .069 .021	.126 .067 .020	.117 .063 .019	.109 .060 .018	.101 .056 .017	
4.0	.121 .063 .018	.117 .061 .018	.109 .058 .017	.103 .055 .017	.096 .052 .016	
5.0	.112 .057 .017	.109 .056 .016	.103 .054 .016	.097 .051 .015	.092 .049 .015	
6.0	.105 .053 .015	.102 .052 .015	.097 .050 .014	.092 .048 .014	.087 .046 .014	
7.0	.099 .049 .014	.096 .048 .014	.091 .046 .013	.087 .045 .013	.083 .043 .013	
8.0	.093 .045 .013	.091 .045 .013	.087 .043 .012	.083 .042 .012	.079 .041 .012	
9.0	.088 .042 .012	.086 .042 .012	.082 .041 .012	.079 .040 .011	.076 .038 .011	
10.0	.083 .040 .011	.082 .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 .126	.099 .093 .087	.057 .054 .051	.018 .017 .016	
2.0	.152 .133 .116	.130 .114 .101	.089 .079 .070	.051 .046 .041	.017 .015 .013	
3.0	.138 .113 .094	.118 .098 .082	.081 .068 .057	.047 .040 .034	.015 .013 .011	
4.0	.125 .098 .077	.107 .085 .067	.074 .059 .047	.043 .035 .028	.014 .011 .009	
5.0	.115 .086 .065	.098 .074 .056	.068 .052 .040	.039 .030 .024	.013 .010 .008	
6.0	.105 .076 .055	.091 .066 .048	.063 .046 .034	.036 .027 .020	.012 .009 .007	
7.0	.098 .068 .047	.084 .059 .041	.058 .041 .029	.034 .024 .017	.011 .008 .006	
8.0	.091 .061 .041	.078 .053 .035	.054 .037 .025	.031 .022 .015	.010 .007 .005	
9.0	.085 .055 .035	.073 .048 .031	.051 .034 .022	.029 .020 .013	.010 .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:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm										
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC					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	5.7	6.4	5.9	6.6	6.7	5.2	5.9	5.4	6.0	6.2
3H	6.9	7.6	7.2	7.8	8.0	6.1	6.7	6.3	6.9	7.1
4H	7.4	8.0	7.7	8.2	8.4	6.3	7.0	6.6	7.2	7.4
6H	7.8	8.4	8.1	8.6	8.8	6.5	7.1	6.8	7.3	7.6
8H	7.9	8.5	8.2	8.7	9.0	6.6	7.1	6.9	7.4	7.6
12H	8.0	8.6	8.3	8.9	9.1	6.7	7.2	7.0	7.5	7.7
4H 2H	6.1	6.7	6.4	7.0	7.2	5.7	6.3	5.9	6.5	6.7
3H	7.4	8.0	7.7	8.2	8.5	6.7	7.2	7.0	7.5	7.8
4H	8.0	8.5	8.3	8.8	9.1	7.0	7.5	7.4	7.8	8.1
6H	8.4	8.9	8.8	9.2	9.6	7.3	7.7	7.6	8.0	8.4
8H	8.6	9.0	9.0	9.4	9.7	7.4	7.8	7.7	8.1	8.5
12H	8.8	9.2	9.2	9.6	9.9	7.5	7.9	7.9	8.3	8.6
8H 4H	8.0	8.4	8.4	8.8	9.2	7.1	7.6	7.5	7.9	8.3
6H	8.5	8.9	9.0	9.3	9.7	7.5	7.8	7.9	8.2	8.6
8H	8.8	9.1	9.2	9.5	10.0	7.6	7.9	8.1	8.4	8.8
12H	9.1	9.3	9.5	9.8	10.2	7.8	8.1	8.3	8.6	9.0
12H 4H	8.0	8.4	8.4	8.8	9.1	7.1	7.5	7.5	7.9	8.3
6H	8.5	8.9	9.0	9.3	9.7	7.5	7.8	7.9	8.2	8.6
8H	8.8	9.1	9.3	9.5	10.0	7.7	7.9	8.1	8.4	8.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.4 / - 0.5				
1.5H	+ 0.3 / - 0.3					+ 0.3 / - 0.4				
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5				

CIE Pub.117, 3161 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.0)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

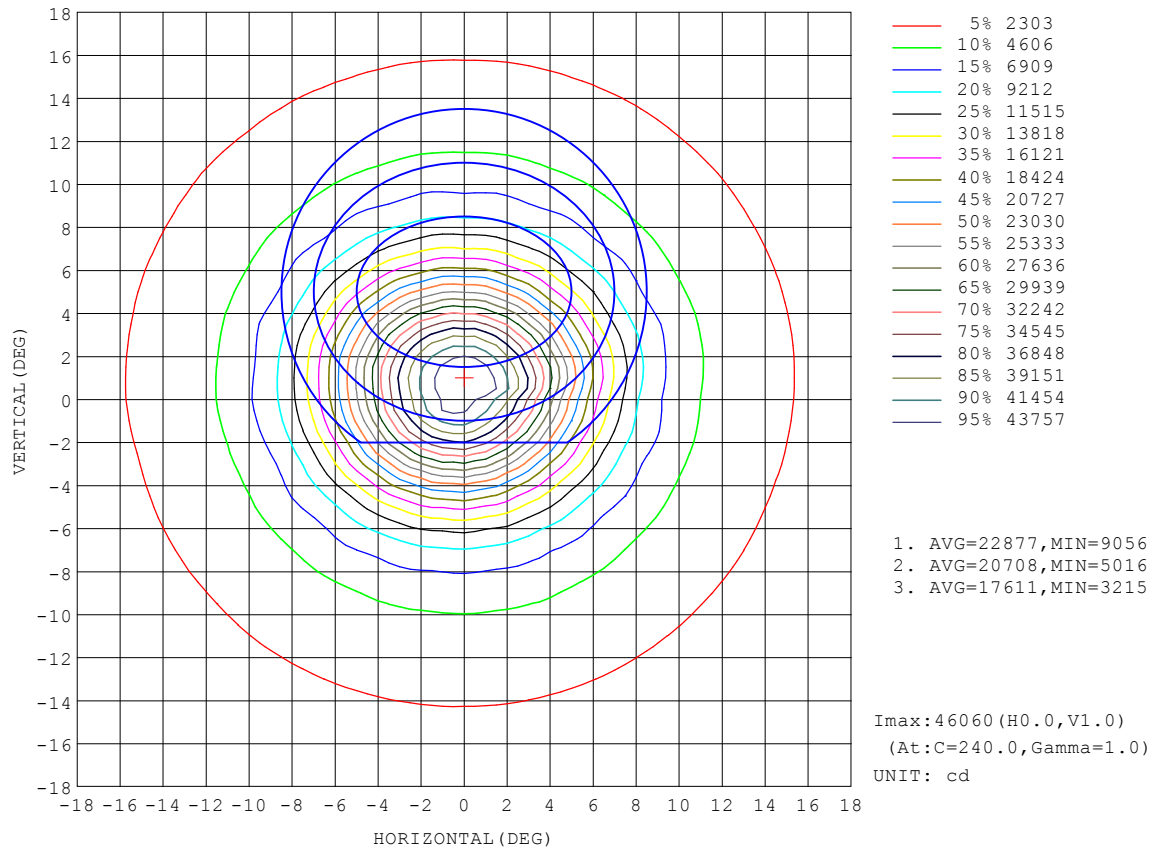
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	85	78	74	85	78	74	84	78	74	70
0.80	93	86	82	92	86	82	91	85	82	78
1.00	97	91	87	96	91	87	95	91	87	82
1.25	101	96	92	100	95	92	98	94	91	86
1.50	104	99	96	103	98	95	101	97	94	89
2.00	107	103	99	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	104	101	99	93
3.00	111	107	104	109	106	103	106	103	101	94
4.00	113	110	108	111	108	106	107	105	104	96
5.00	115	112	110	112	110	108	108	107	105	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: 2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

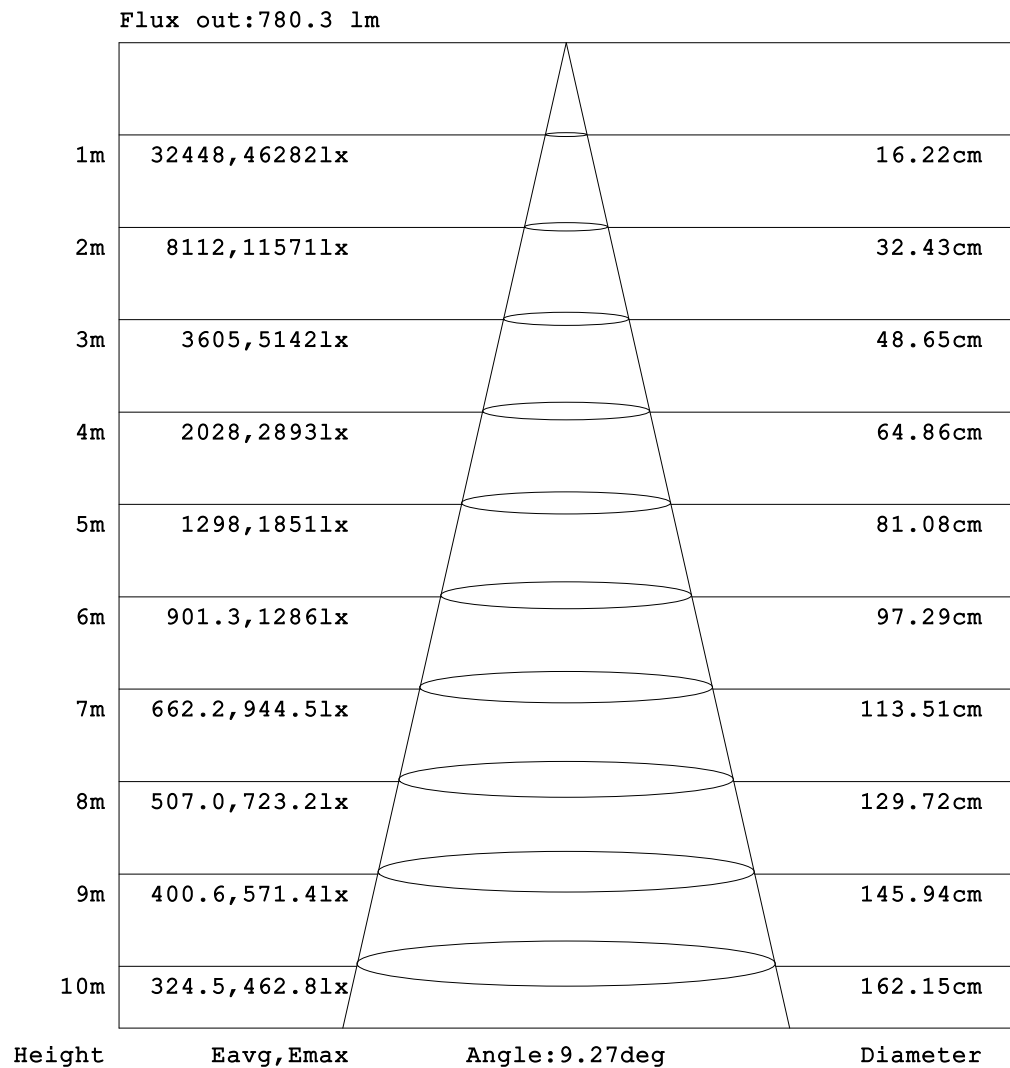


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



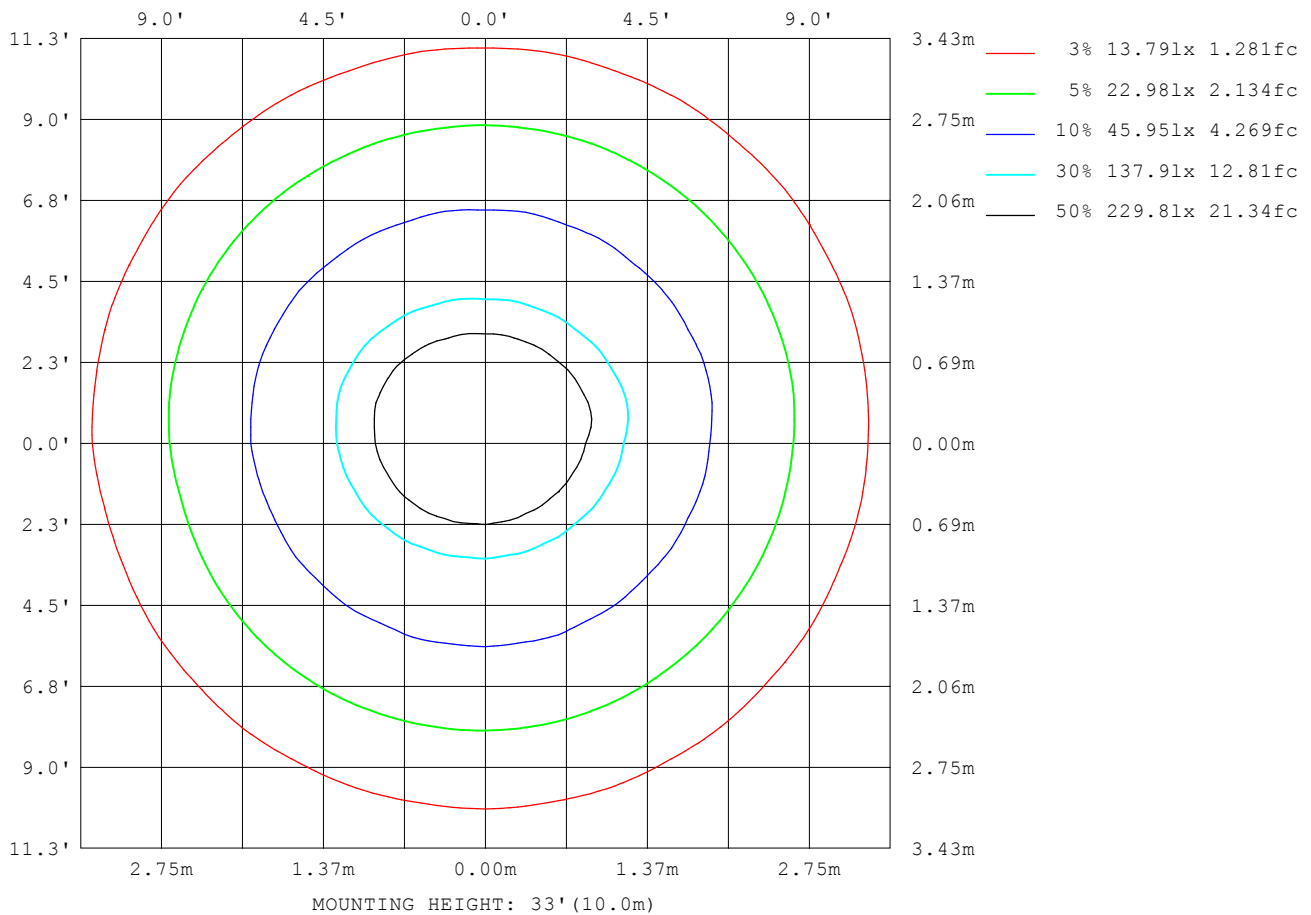
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	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:2022-11-24

☐ 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:220.79V I:0.2215A P:47.928W PF:0.9801 Freq:50.01Hz Lamp Flux:3161.43x1 lm		
NAME: AL LINEAR 2.1 1200 RGBW 10 CE WC	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

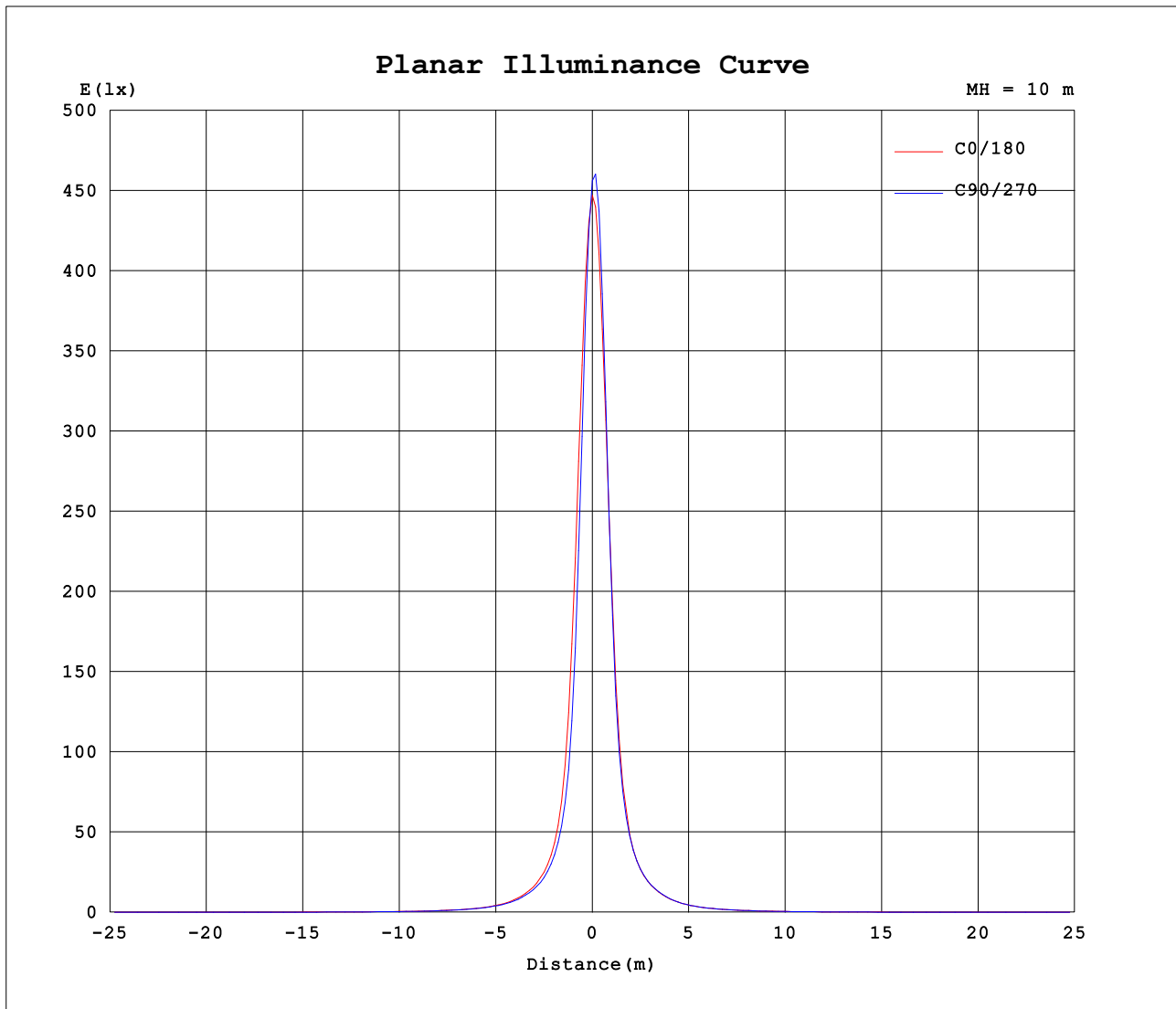
AvgL	cd/m2
L_0~180 (65) av	1774
L_0~180 (75) av	1449
L_0~180 (85) av	1437
L_90~270 (65) av	1411
L_90~270 (75) av	941
L_90~270 (85) av	1058
L_45 (65) av	1495
L_45 (75) av	1027
L_45 (85) av	1018

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-24

☐ 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: 2022-11-24

☐ 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: