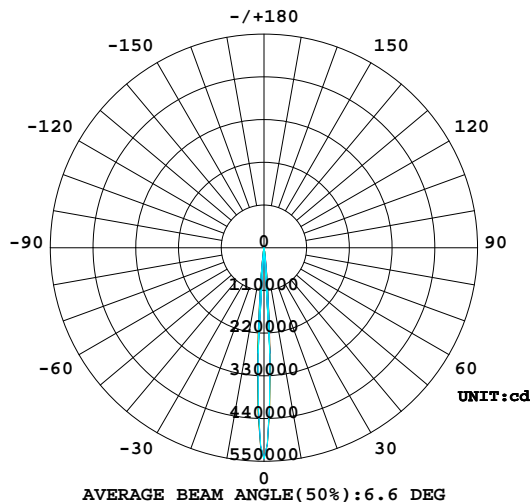


LUMINAIRE PHOTOMETRIC TEST REPORT

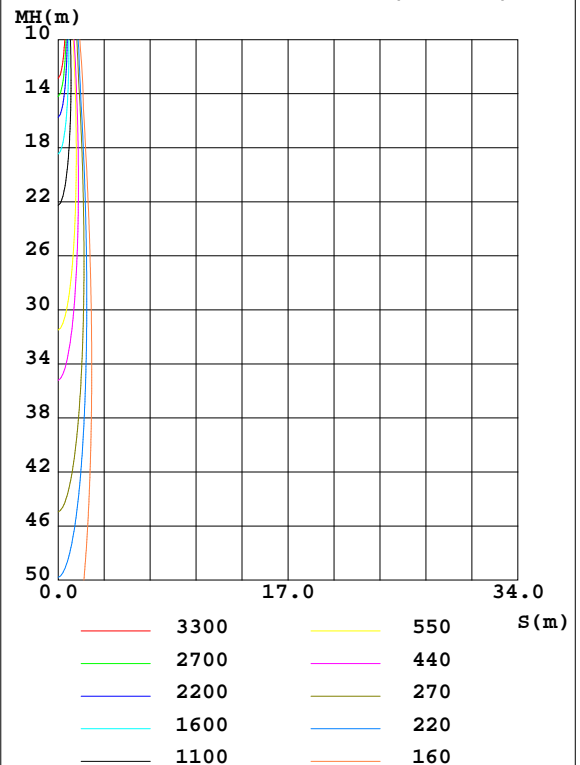
Test:U:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 64.76 lm/W			
MODEL	OSRAM	I _{max} (cd)	543124	S/MH(C0/180)	0.12
NOMINAL POWER(W)	200	LOR(%)	100.0	S/MH(C90/270)	0.11
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	13050	η UP,DN(C0-180)	0.0,50.1
NOMINAL FLUX(lm)	13050	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,49.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	119.8	121.7	117.1	123.9	125.7	115.1	113.2	117.0	0- 10	9264	9264	71,71
20	29.73	30.38	30.03	30.77	30.04	28.62	28.49	29.14	10- 20	1522	10786	82.7,82.7
30	11.59	11.77	10.65	11.84	11.71	11.52	10.40	11.61	20- 30	830.7	11617	89,89
40	6.463	6.048	5.845	6.041	6.585	6.030	5.799	5.986	30- 40	516.8	12134	93,93
50	4.027	3.664	3.477	3.715	4.145	3.676	3.527	3.628	40- 50	373.0	12507	95.8,95.8
60	2.643	2.257	2.082	2.331	2.708	2.323	2.040	2.286	50- 60	269.6	12776	97.9,97.9
70	1.300	1.011	0.8522	1.027	1.292	0.9806	0.8420	0.9811	60- 70	163.6	12940	99.2,99.2
80	0.5707	0.4759	0.4583	0.4905	0.4607	0.3618	0.3203	0.3605	70- 80	66.15	13006	99.7,99.7
90	0.3680	0.3638	0.3619	0.3640	0.3041	0.2974	0.3140	0.3220	80- 90	44.05	13050	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:×100cd									UNIT:lm		

Conical surface Flux(90deg): 12335 lm

%lum = 94.5%

%lamp = 94.5%

Conical surface Flux(120deg): 12776 lm

%lum = 97.9%

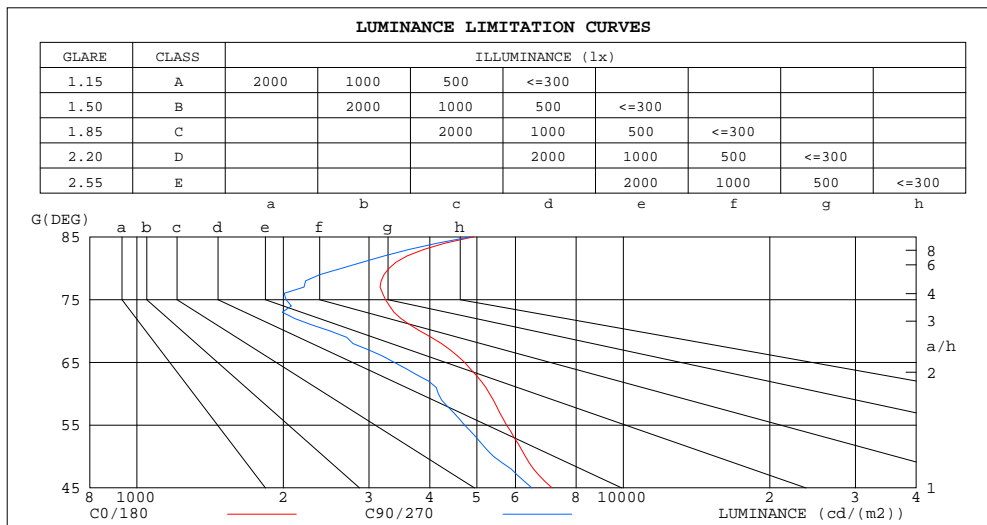
%lamp = 97.9%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-11-01

γ Range: 0 - 90DEG
 γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	4923	4855
80	3301	2641
75	3245	2026
70	3817	2493
65	4716	3379
60	5310	4166
55	5752	4718
50	6292	5411
45	7136	6488

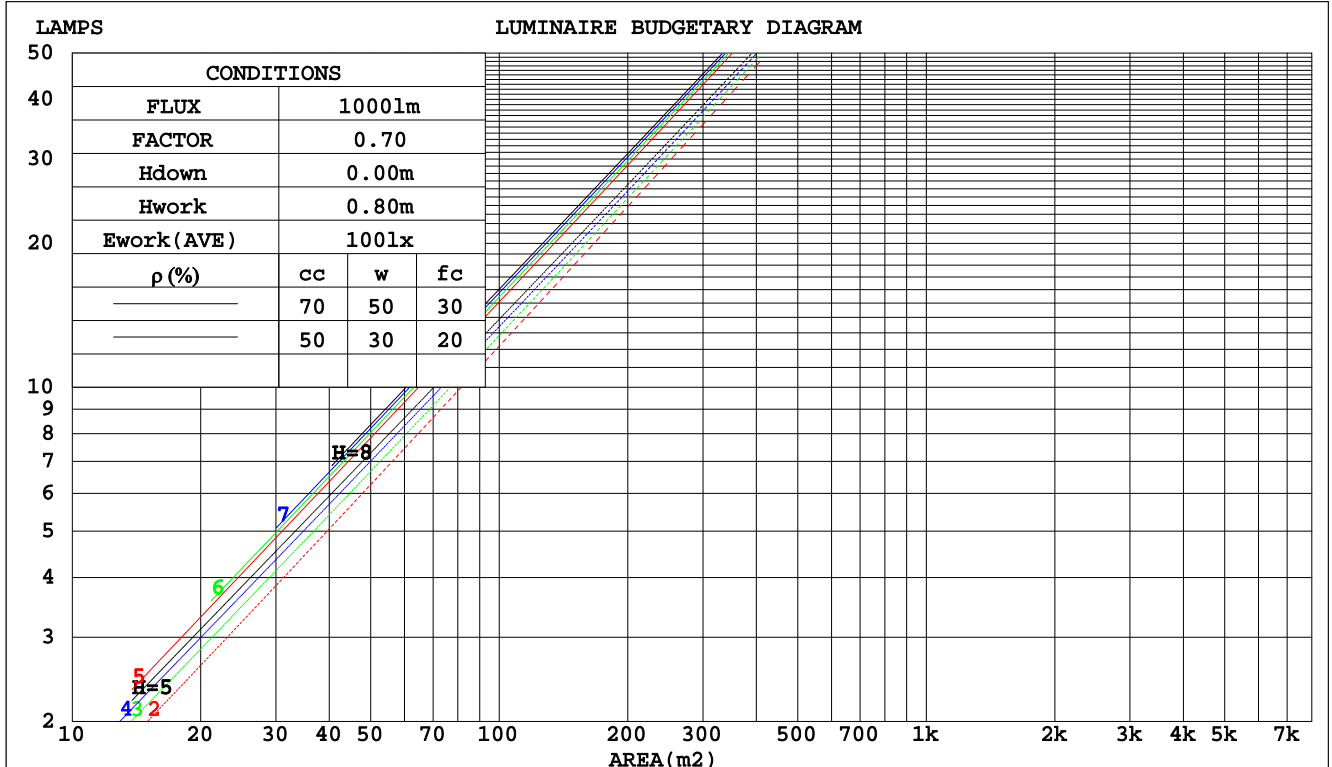
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-11-01

γ Range: 0 - 90DEG
 γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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						Coefficients of Utilization(CU)									
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	1.13	1.11	1.10	1.11	1.10	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	.99	.99	.97
2.0	1.09	1.06	1.03	1.07	1.04	1.02	1.04	1.02	1.00	1.01	.99	.98	.98	.97	.96	.95
3.0	1.05	1.01	.99	1.03	1.00	.98	1.01	.98	.96	.99	.97	.95	.97	.95	.94	.92
4.0	1.01	.98	.95	1.00	.97	.95	.98	.96	.94	.97	.94	.93	.95	.93	.92	.90
5.0	.99	.95	.92	.98	.95	.92	.96	.94	.91	.95	.93	.91	.94	.92	.90	.89
6.0	.96	.93	.90	.96	.92	.90	.95	.92	.89	.93	.91	.89	.92	.90	.88	.87
7.0	.94	.91	.89	.94	.91	.88	.93	.90	.88	.92	.89	.88	.91	.89	.87	.86
8.0	.93	.89	.87	.92	.89	.87	.91	.89	.87	.91	.88	.86	.90	.88	.86	.85
9.0	.91	.88	.86	.91	.88	.86	.90	.87	.85	.90	.87	.85	.89	.87	.85	.84
10.0	.90	.87	.85	.90	.87	.85	.89	.86	.84	.88	.86	.84	.88	.86	.84	.83



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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	.130	.074	.023	.123	.070	.022	.111	.064	.020	.100	.057	.018	.089	.052	.017		
2.0	.118	.065	.020	.113	.062	.019	.103	.057	.018	.093	.052	.016	.085	.048	.015		
3.0	.108	.057	.017	.104	.055	.017	.095	.052	.016	.087	.048	.015	.080	.044	.014		
4.0	.099	.052	.015	.095	.050	.015	.088	.047	.014	.082	.044	.013	.076	.041	.013		
5.0	.092	.047	.014	.088	.045	.013	.082	.043	.013	.077	.041	.012	.072	.038	.012		
6.0	.085	.043	.012	.082	.042	.012	.077	.040	.012	.073	.038	.011	.068	.036	.011		
7.0	.079	.039	.011	.077	.038	.011	.073	.037	.011	.068	.035	.010	.065	.034	.010		
8.0	.074	.036	.010	.072	.035	.010	.068	.034	.010	.065	.033	.009	.062	.032	.009		
9.0	.070	.034	.009	.068	.033	.009	.065	.032	.009	.062	.031	.009	.059	.030	.009		
10.0	.066	.031	.009	.064	.031	.009	.061	.030	.008	.059	.029	.008	.056	.028	.008		

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	.168	.158	.149	.144	.135	.128	.098	.093	.088	.057	.054	.051	.018	.017	.017		
2.0	.149	.133	.119	.128	.114	.103	.088	.079	.072	.050	.046	.042	.016	.015	.014		
3.0	.133	.113	.097	.114	.098	.084	.078	.068	.059	.045	.040	.035	.015	.013	.011		
4.0	.120	.098	.081	.103	.084	.070	.071	.059	.049	.041	.034	.029	.013	.011	.010		
5.0	.108	.085	.068	.093	.074	.059	.064	.051	.042	.037	.030	.025	.012	.010	.008		
6.0	.099	.075	.058	.085	.065	.050	.058	.045	.036	.034	.027	.021	.011	.009	.007		
7.0	.090	.066	.050	.078	.057	.043	.054	.040	.031	.031	.024	.018	.010	.008	.006		
8.0	.083	.059	.043	.071	.051	.037	.049	.036	.027	.029	.021	.016	.009	.007	.005		
9.0	.077	.053	.038	.066	.046	.033	.046	.032	.023	.027	.019	.014	.009	.006	.005		
10.0	.071	.048	.033	.061	.042	.029	.042	.029	.020	.025	.017	.012	.008	.006	.004		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm										
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON					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	3.5	4.1	3.7	4.2	4.3	2.7	3.2	2.8	3.3	3.5
3H	4.4	5.0	4.7	5.1	5.3	3.3	3.8	3.5	4.0	4.2
4H	4.7	5.3	5.0	5.5	5.7	3.4	3.9	3.7	4.1	4.3
6H	5.0	5.5	5.3	5.7	6.0	3.6	4.1	3.9	4.3	4.6
8H	5.2	5.6	5.5	5.9	6.1	3.8	4.3	4.1	4.5	4.8
12H	5.4	5.8	5.7	6.1	6.3	4.1	4.6	4.4	4.8	5.1
4H 2H	3.8	4.3	4.1	4.5	4.7	3.1	3.6	3.4	3.8	4.0
3H	4.8	5.3	5.1	5.6	5.8	3.8	4.2	4.1	4.5	4.8
4H	5.2	5.7	5.6	5.9	6.2	4.0	4.4	4.3	4.7	5.0
6H	5.6	6.0	6.0	6.3	6.7	4.3	4.7	4.7	5.0	5.4
8H	5.8	6.2	6.2	6.5	6.9	4.6	4.9	5.0	5.3	5.6
12H	6.1	6.4	6.5	6.8	7.2	5.0	5.3	5.4	5.7	6.1
8H 4H	5.3	5.6	5.6	6.0	6.3	4.1	4.5	4.5	4.8	5.2
6H	5.8	6.1	6.2	6.4	6.9	4.6	4.9	5.0	5.3	5.7
8H	6.1	6.4	6.5	6.8	7.2	5.0	5.2	5.4	5.7	6.1
12H	6.5	6.8	7.0	7.2	7.7	5.6	5.8	6.0	6.2	6.7
12H 4H	5.2	5.6	5.6	5.9	6.3	4.1	4.4	4.5	4.8	5.2
6H	5.8	6.0	6.2	6.5	6.9	4.6	4.9	5.1	5.3	5.7
8H	6.2	6.4	6.6	6.8	7.3	5.1	5.3	5.6	5.8	6.3
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.6				
1.5H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.5 / - 0.6					+ 0.6 / - 0.4				

CIE Pub.117, 13050 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 8.9$)
Area: 0.1 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
 γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

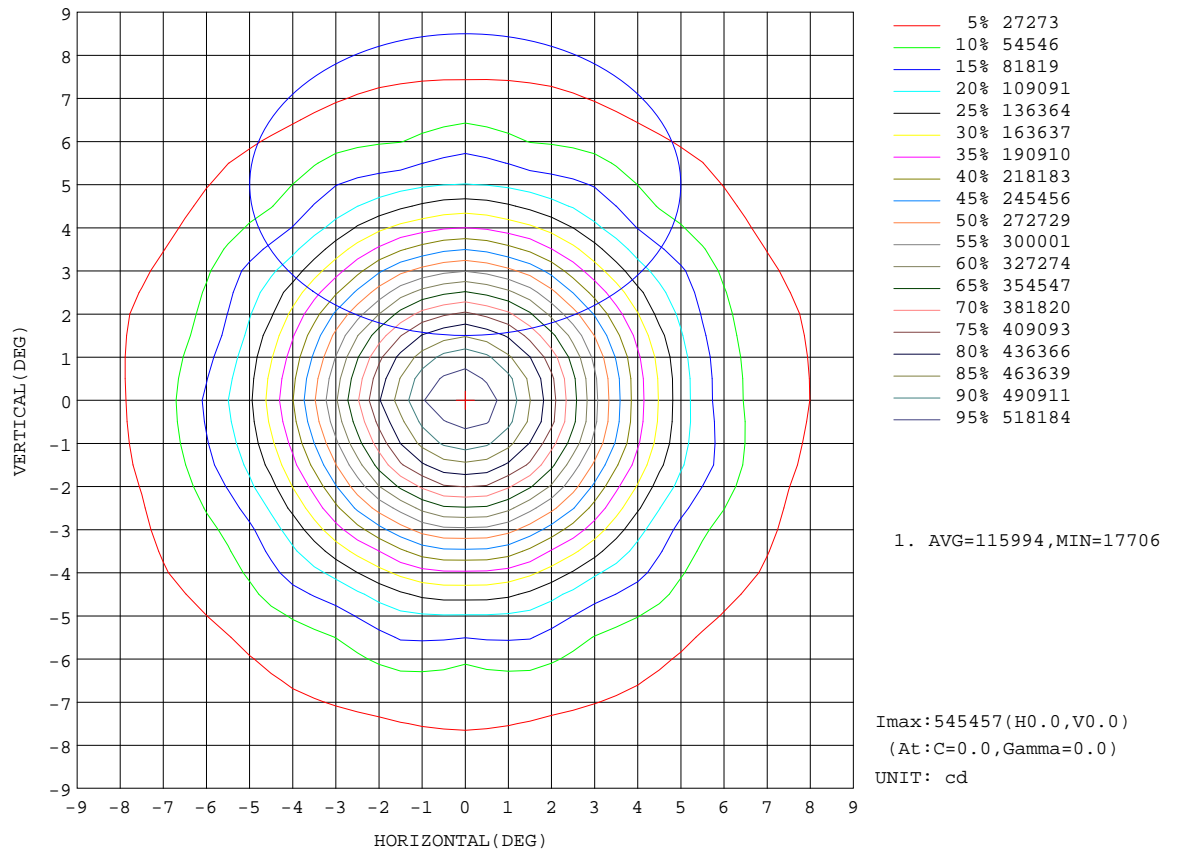
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	96	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	97	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	112	108	105	110	107	104	106	104	102	96
4.00	114	111	109	112	109	107	108	106	104	97
5.00	115	113	111	113	111	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: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
 γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



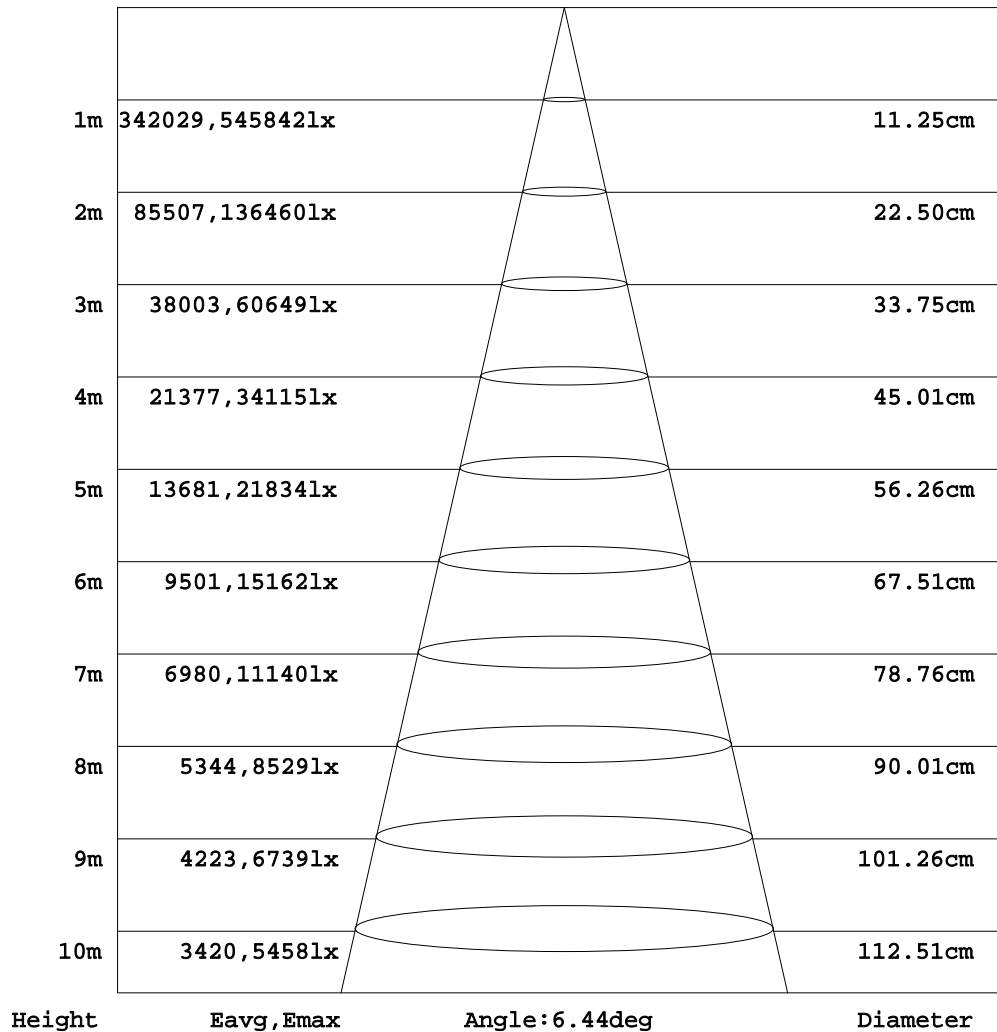
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

Flux out:5254 lm



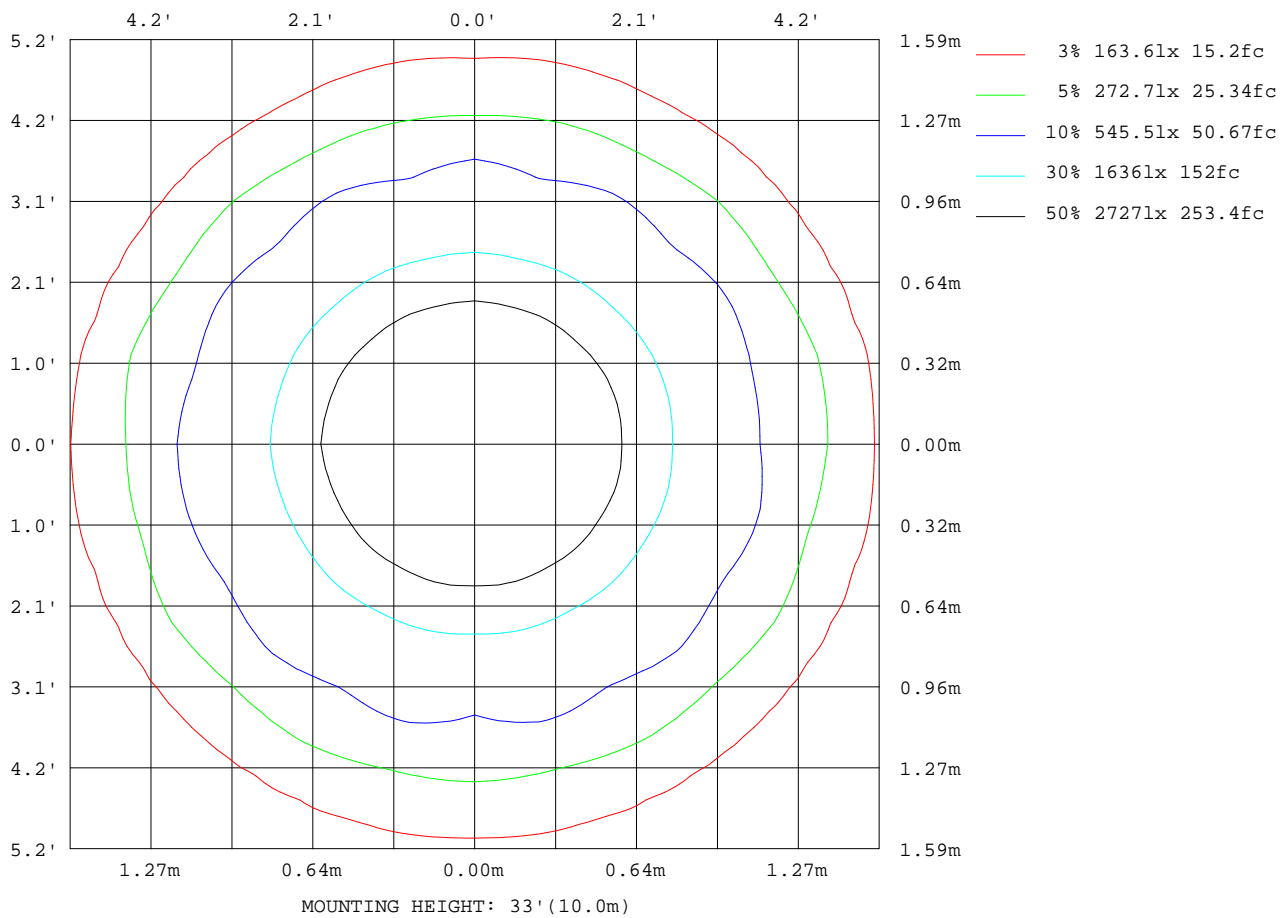
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-11-01

γ Range: 0 - 90DEG
γ 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:220.74V I:0.9397A P:201.50W PF:0.9714 Freq:50.01Hz Lamp Flux:13050x1 lm		
NAME: PROPOINT VISTA 200W RGBW 8D FULL ON	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Traxon Technologies	SUR.:	Shielding Angle:

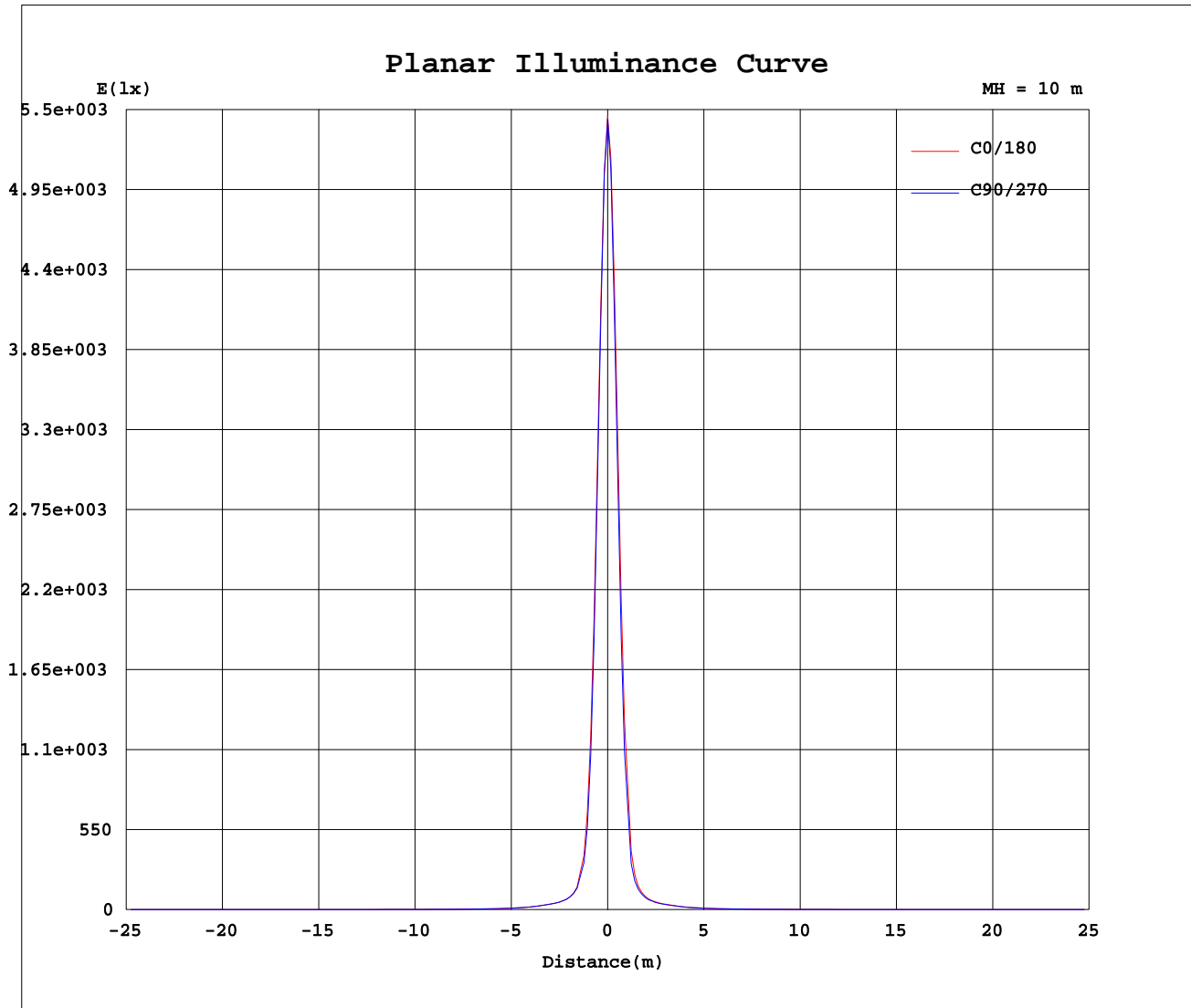
AvgL	cd/m2
L_0~180(65)av	4717
L_0~180(75)av	3012
L_0~180(85)av	4660
L_90~270(65)av	3375
L_90~270(75)av	1752
L_90~270(85)av	4880
L_45(65)av	3719
L_45(75)av	2153
L_45(85)av	4739

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-11-01

γ Range: 0 - 90DEG
γ 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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-11-01

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.417
 Humidity: 65.0%
 Test Distance: 11.635m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.417
Humidity:65.0%
Test Distance:11.635m [K=1.0000]
Remarks:

```