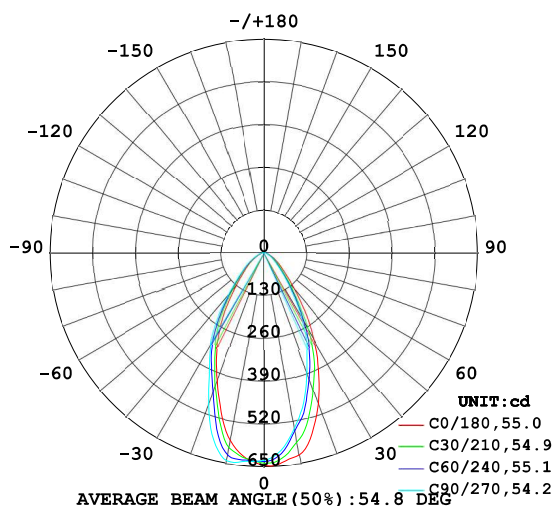


# LUMINAIRE PHOTOMETRIC TEST REPORT

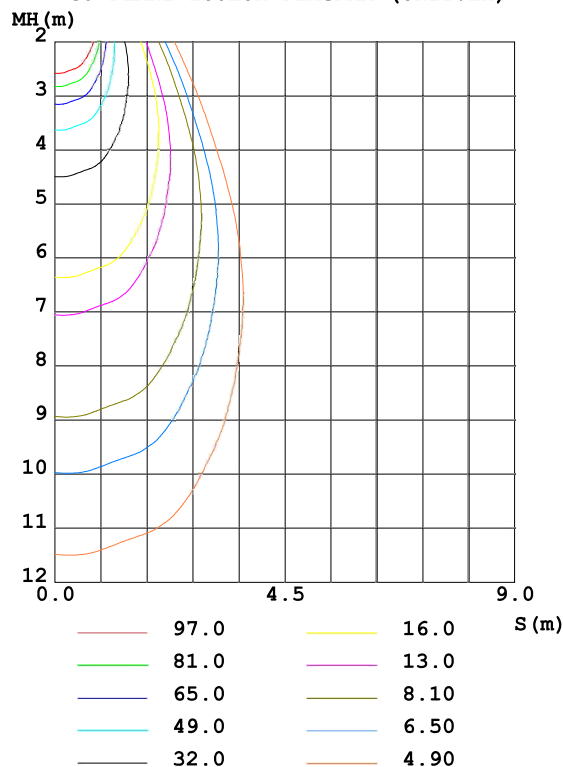
Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm					
NAME: DRACO		TYPE:3000K		WEIGHT:	
SPEC.:		DIM.:		SERIAL No.:	
MFR.:		SUR.:		Shielding Angle:	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.98 lm/W
MODEL		Imax (cd)	648.6	S/MH (C0/180)	0.78	
NOMINAL POWER(W)	7	LOR(%)	100.0	S/MH (C90/270)	0.89	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	647.02	η UP,DN(C0-180)	0.3,44.7	
NOMINAL FLUX(lm)	647.025	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.2,54.8	
LAMPS INSIDE	1	η up(%)	0.5	CIBSE SHR NOM	0.75	
TEST VOLTAGE(V)	230.3	η down(%)	99.5	CIBSE SHR MAX	0.90	

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:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	624.0	562.7	541.1	548.3	581.3	615.8	642.8	614.4	0- 10	58.33	58.33	9.02,9.02
20	486.3	418.7	383.5	397.4	414.9	446.0	490.8	490.5	10- 20	145.2	203.6	31.5,31.5
30	305.8	259.0	228.6	223.7	264.5	298.1	322.6	331.5	20- 30	163.7	367.3	56.8,56.8
40	142.7	112.6	102.1	100.9	131.8	153.2	167.8	182.6	30- 40	125.7	493.0	76.2,76.2
50	69.30	55.02	48.14	53.42	67.80	78.68	82.35	86.34	40- 50	74.25	567.2	87.7,87.7
60	35.78	28.26	23.63	25.15	32.23	37.81	41.33	43.27	50- 60	43.96	611.2	94.5,94.5
70	14.76	12.35	10.56	10.39	12.06	13.87	15.09	17.15	60- 70	21.88	633.0	97.8,97.8
80	4.854	4.470	3.376	2.971	3.907	4.499	5.058	5.452	70- 80	8.673	641.7	99.2,99.2
90	0.1608	0.0589	0.0105	0.0105	0.0035	0.0035	0.0035	0.3179	80- 90	1.937	643.7	99.5,99.5
100	0.0139	0.0453	0.0209	0.0558	0.0419	0.0035	0.0244	0.0070	90-100	0.0190	643.7	99.5,99.5
110	0.0764	0.1290	0.1010	0.1464	0.1150	0.0522	0.0767	0.0382	100-110	0.0557	643.7	99.5,99.5
120	0.2056	0.2789	0.2718	0.3242	0.2511	0.1638	0.1744	0.1429	110-120	0.1489	643.9	99.5,99.5
130	0.4597	0.5577	0.5852	0.6309	0.5230	0.3902	0.3766	0.3518	120-130	0.3047	644.2	99.6,99.6
140	0.8537	0.9728	1.031	1.084	0.9520	0.7876	0.7324	0.7075	130-140	0.5162	644.7	99.6,99.6
150	1.369	1.499	1.561	1.628	1.478	1.303	1.231	1.202	140-150	0.7116	645.4	99.8,99.8
160	1.920	2.026	2.067	2.140	2.019	1.837	1.778	1.722	150-160	0.7658	646.2	99.9,99.9
170	2.398	2.454	2.447	2.506	2.478	2.339	2.304	2.258	160-170	0.6096	646.8	100,100
180	2.652	2.642	2.600	2.607	2.687	2.618	2.607	2.600	170-180	0.2384	647.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 535.08 lm

%lum = 82.7%

%lamp = 82.7%

Conical surface Flux(120deg): 611.17 lm

%lum = 94.5%

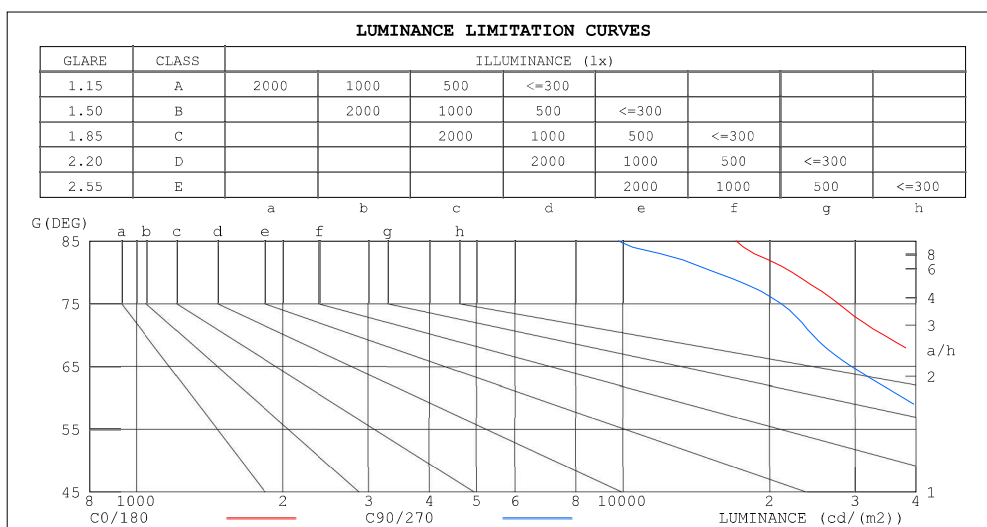
%lamp = 94.5%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Bob  
 Test Date:2022-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
 Humidity:65.0%  
 Test Distance:7.030m [K=1.0000]  
 Remarks:

### LUMINANCE LIMITATION CURVES

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	17074	9769
80	22256	15477
75	27706	21131
70	34353	24572
65	44575	29468
60	56979	37630
55	71245	47992
50	85832	59628
45	109029	75750

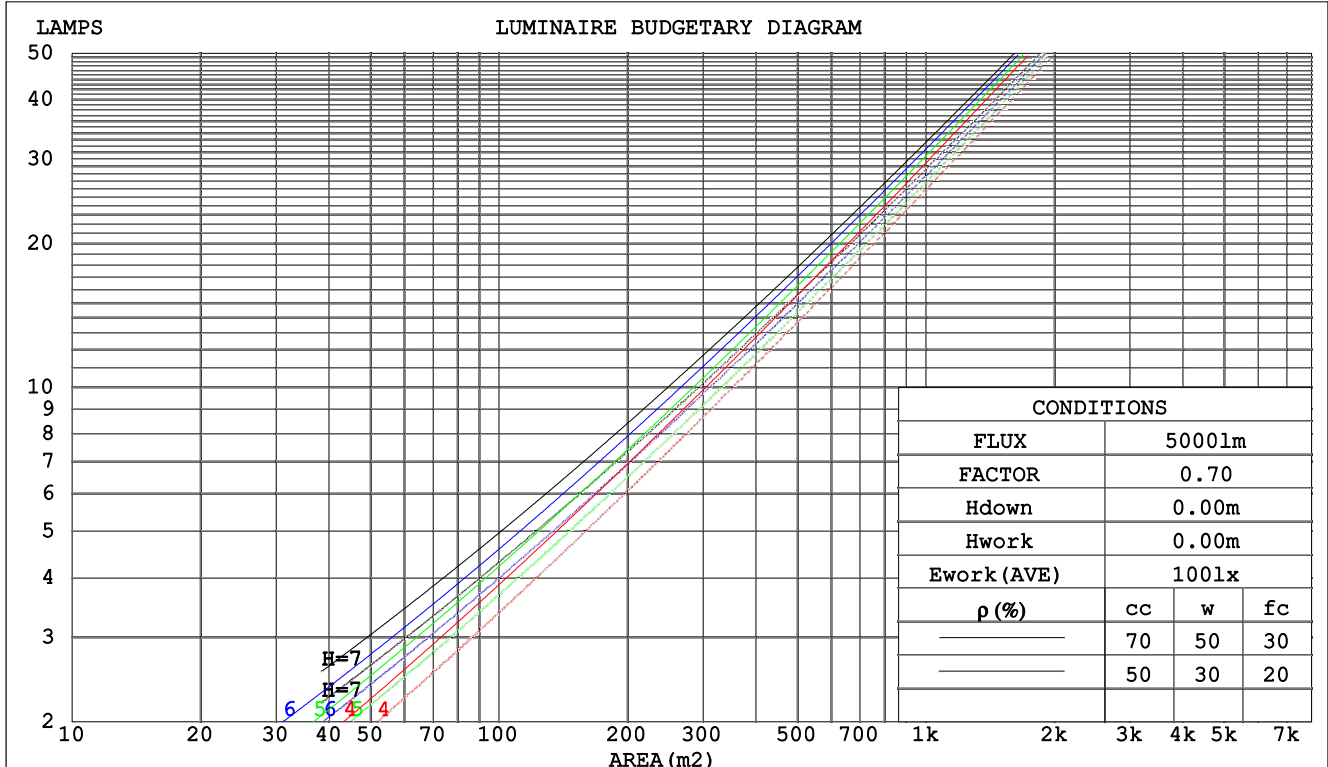
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	.99
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.02	1.00	.98	.99	.97	.95	.95	.94	.92	.91
2.0	.00	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.84	.81	.77	.82	.79	.76	.74
4.0	.84	.78	.73	.83	.77	.72	.81	.75	.71	.78	.74	.70	.76	.73	.69	.68
5.0	.78	.71	.66	.77	.70	.66	.75	.69	.65	.73	.68	.64	.71	.67	.64	.62
6.0	.72	.65	.60	.71	.65	.60	.70	.64	.60	.68	.63	.59	.67	.62	.59	.57
7.0	.67	.60	.56	.67	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.54	.53
8.0	.63	.56	.52	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49
9.0	.59	.52	.48	.58	.52	.48	.57	.52	.48	.56	.51	.47	.55	.51	.47	.46
10.0	.55	.49	.45	.55	.49	.45	.54	.48	.45	.53	.48	.44	.52	.48	.44	.43



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm									
NAME: DRACO					TYPE:3000K			WEIGHT:	
SPEC.:					DIM.:			SERIAL No.:	
MFR.:					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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.211	.120	.038	.204	.116	.037	.191	.110	.035	.179	.103	.033	.168	.097	.031		
2.0	.203	.111	.034	.197	.109	.033	.186	.103	.032	.176	.098	.031	.166	.094	.030		
3.0	.192	.102	.031	.187	.100	.030	.178	.096	.029	.169	.092	.028	.160	.089	.027		
4.0	.182	.095	.028	.177	.093	.027	.169	.090	.027	.161	.087	.026	.154	.084	.025		
5.0	.172	.088	.025	.168	.086	.025	.161	.084	.025	.154	.081	.024	.147	.079	.024		
6.0	.163	.082	.023	.159	.080	.023	.153	.078	.023	.146	.076	.022	.141	.074	.022		
7.0	.154	.076	.022	.151	.075	.021	.145	.073	.021	.140	.072	.021	.134	.070	.021		
8.0	.146	.071	.020	.143	.071	.020	.138	.069	.020	.133	.067	.019	.129	.066	.019		
9.0	.139	.067	.019	.136	.067	.019	.132	.065	.018	.127	.064	.018	.123	.063	.018		
10.0	.132	.063	.018	.130	.063	.018	.126	.062	.017	.122	.060	.017	.118	.059	.017		

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	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.177	.161	.146	.152	.138	.126	.104	.095	.087	.060	.055	.051	.019	.018	.016	
2.0	.164	.136	.113	.141	.117	.097	.097	.081	.068	.056	.047	.040	.018	.015	.013	
3.0	.154	.118	.089	.132	.102	.077	.090	.071	.054	.052	.041	.032	.017	.013	.010	
4.0	.144	.104	.072	.124	.089	.063	.085	.062	.044	.049	.037	.026	.016	.012	.009	
5.0	.136	.092	.060	.117	.080	.052	.081	.056	.037	.047	.033	.022	.015	.011	.007	
6.0	.129	.083	.051	.111	.072	.044	.077	.051	.031	.044	.030	.019	.014	.010	.006	
7.0	.123	.076	.043	.105	.066	.038	.073	.046	.027	.042	.027	.016	.014	.009	.005	
8.0	.117	.070	.038	.101	.061	.033	.070	.043	.023	.040	.025	.014	.013	.008	.005	
9.0	.111	.065	.033	.096	.056	.029	.067	.040	.021	.039	.023	.012	.013	.008	.004	
10.0	.107	.061	.030	.092	.053	.026	.064	.037	.019	.037	.022	.011	.012	.007	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm											
NAME: DRACO					TYPE:3000K			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					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	26.8	27.9	27.0	28.1	28.3	25.3	26.4	25.5	26.6	26.7	
	3H	27.2	28.2	27.5	28.4	28.7	25.6	26.6	25.9	26.8	27.1
	4H	27.3	28.3	27.6	28.5	28.8	25.7	26.7	26.0	26.9	27.2
	6H	27.4	28.3	27.7	28.6	28.8	25.8	26.7	26.1	26.9	27.2
	8H	27.4	28.3	27.7	28.5	28.8	25.8	26.6	26.1	26.9	27.2
	12H	27.4	28.2	27.7	28.5	28.8	25.7	26.6	26.1	26.8	27.1
4H	2H	26.8	27.8	27.1	28.0	28.3	25.5	26.4	25.8	26.7	26.9
	3H	27.4	28.2	27.7	28.5	28.8	25.9	26.8	26.3	27.1	27.3
	4H	27.6	28.3	27.9	28.6	29.0	26.1	26.9	26.5	27.2	27.5
	6H	27.7	28.4	28.1	28.7	29.1	26.3	26.9	26.6	27.3	27.6
	8H	27.7	28.4	28.1	28.7	29.1	26.3	26.9	26.7	27.3	27.6
	12H	27.7	28.3	28.2	28.7	29.1	26.3	26.8	26.7	27.2	27.6
8H	4H	27.6	28.2	28.0	28.5	28.9	26.2	26.8	26.6	27.2	27.6
	6H	27.8	28.3	28.2	28.7	29.1	26.4	26.9	26.8	27.3	27.7
	8H	27.8	28.3	28.3	28.7	29.2	26.4	26.9	26.9	27.3	27.8
	12H	27.9	28.2	28.3	28.7	29.2	26.4	26.8	26.9	27.3	27.8
12H	4H	27.5	28.1	27.9	28.5	28.9	26.2	26.7	26.6	27.1	27.5
	6H	27.7	28.2	28.2	28.6	29.1	26.4	26.8	26.8	27.3	27.7
	8H	27.8	28.2	28.3	28.6	29.1	26.4	26.8	26.9	27.3	27.8
Variations with the observer position at spacings:											
S = 1.0H	+ 1.1 / - 1.1					+ 0.9 / - 1.3					
1.5H	+ 1.8 / - 1.0					+ 1.2 / - 0.9					
2.0H	+ 1.9 / - 1.4					+ 1.4 / - 1.3					

CIE Pub.117, 647.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)  
Area: 0.001256 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

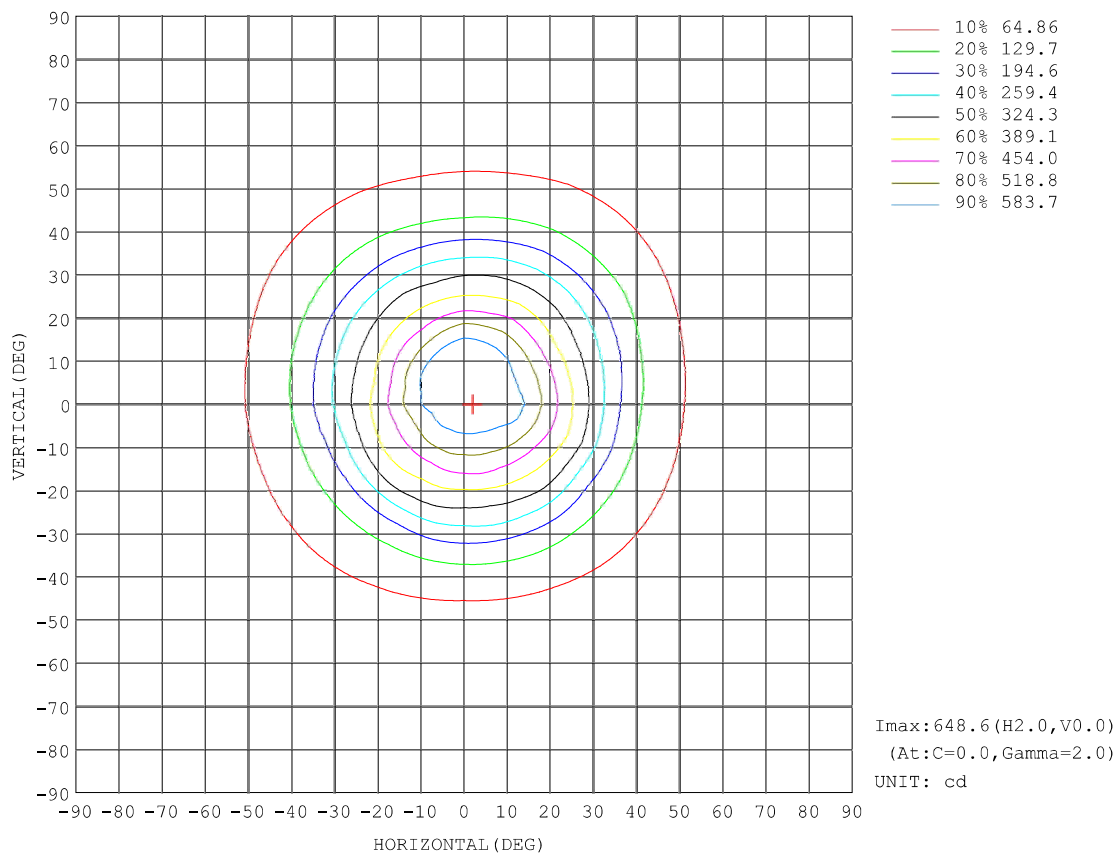
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	77	68	63	76	68	63	75	68	63	58
0.80	85	77	72	84	77	72	83	76	72	67
1.00	92	84	79	91	84	79	89	84	78	73
1.25	97	90	85	96	89	85	93	88	84	79
1.50	100	94	90	99	93	89	96	92	88	82
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	98	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	106	104	103	94
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:Bob  
Test Date:2022-07-20

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

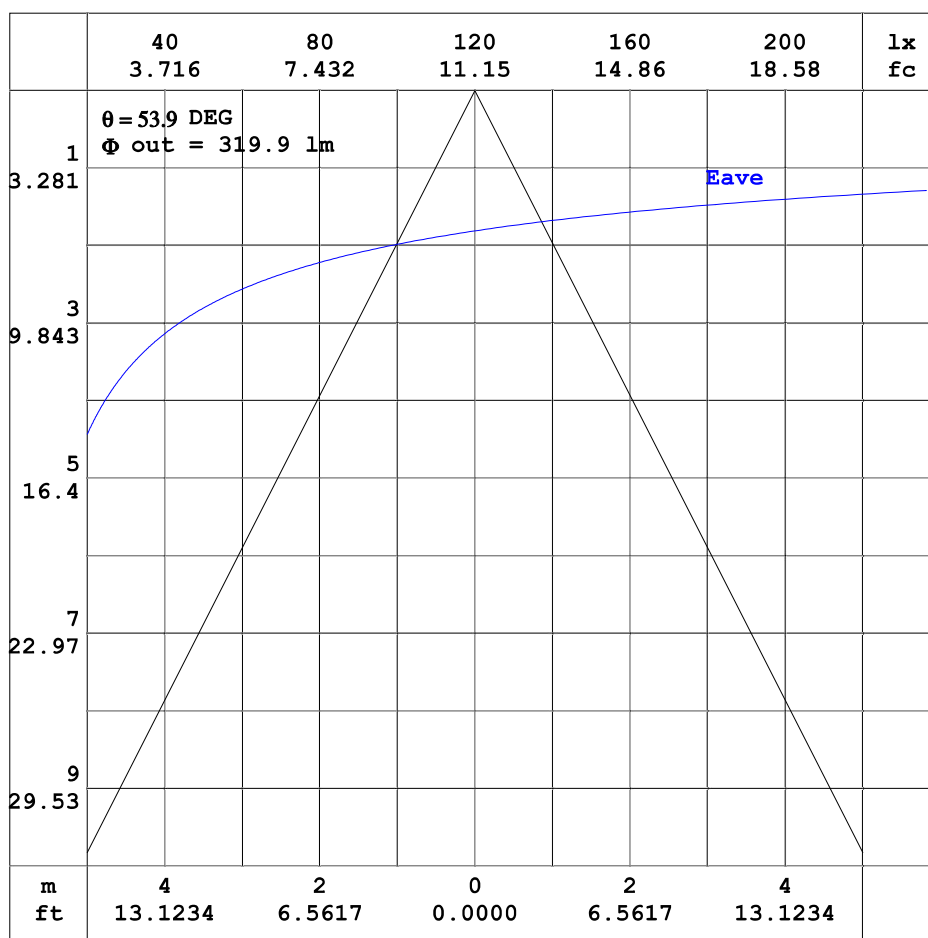


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Bob  
Test Date: 2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity: 65.0%  
Test Distance: 7.030m [K=1.0000]  
Remarks:

### AAI CURVES

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



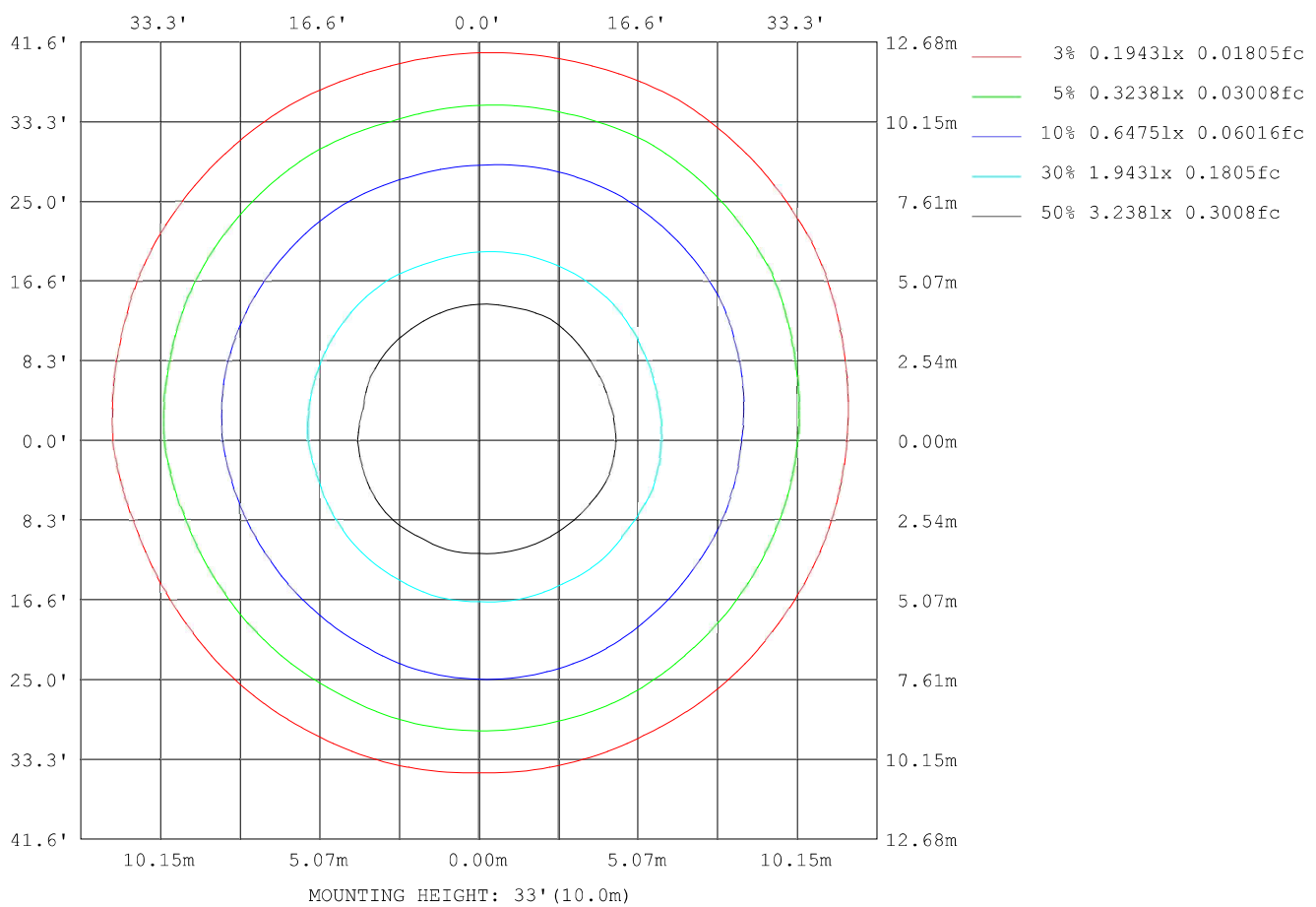
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

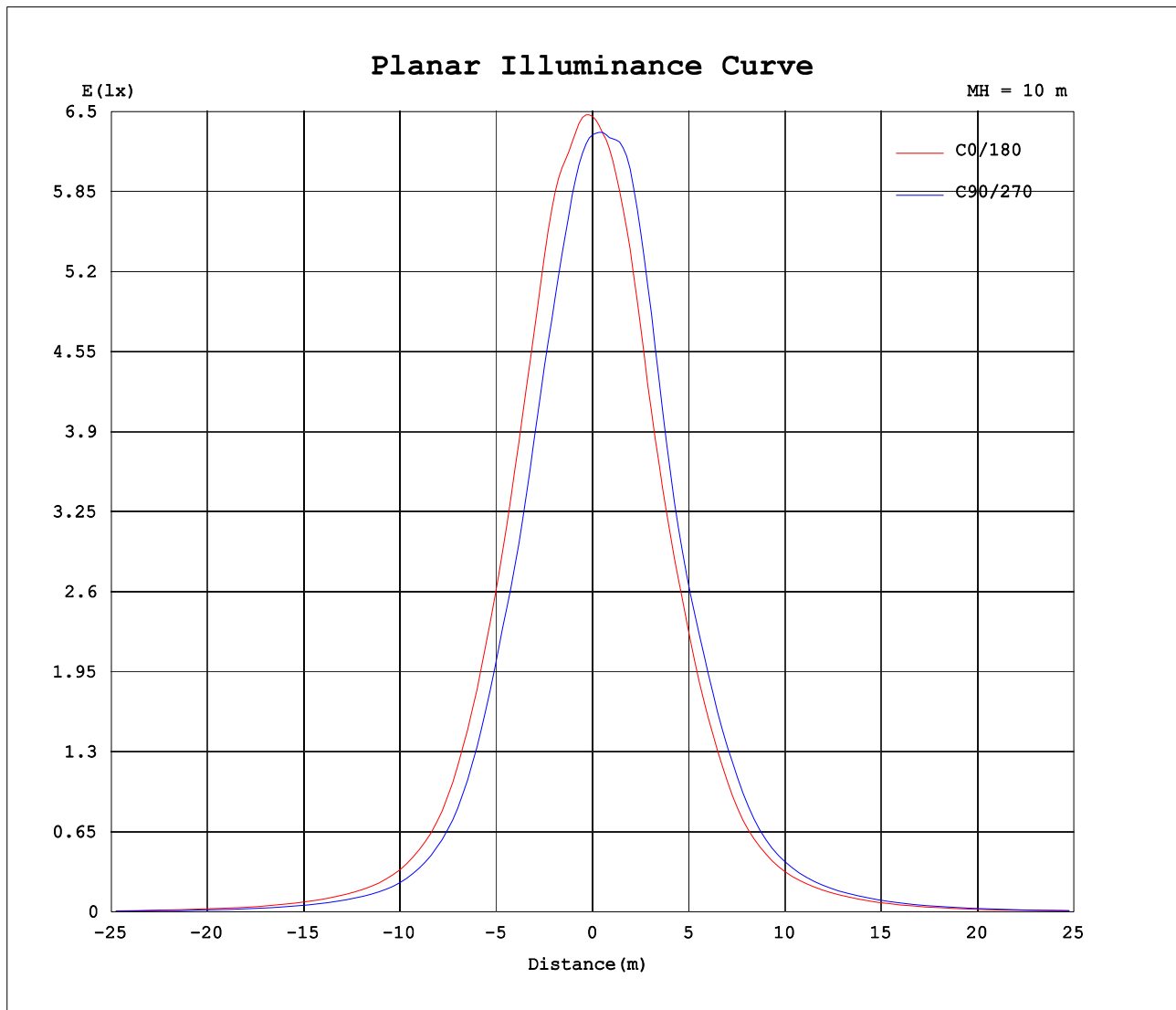
AvgL	cd/m2
L_0~180 (65) av	41208
L_0~180 (75) av	25065
L_0~180 (85) av	14024
L_90~270 (65) av	39349
L_90~270 (75) av	23894
L_90~270 (85) av	14314
L_45 (65) av	41210
L_45 (75) av	24619
L_45 (85) av	14557

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Bob  
 Test Date: 2022-07-20

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
 Humidity: 65.0%  
 Test Distance: 7.030m [K=1.0000]  
 Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm																		
NAME: DRACO									TYPE:3000K					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	646	642	640	637	635	633	631	630	629	629	628	629	646	642	640	637	635	633	631
5	641	636	627	620	613	608	603	600	598	600	602	604	627	626	627	629	633	636	636
10	624	607	584	563	548	544	541	544	545	548	550	555	581	587	603	616	626	636	643
15	568	552	523	502	485	480	469	468	461	468	471	478	502	502	524	537	554	574	590
20	486	469	439	419	404	392	384	388	386	397	405	407	415	411	433	446	452	471	491
25	394	390	365	348	327	314	310	315	314	324	327	329	341	341	353	364	377	384	393
30	306	297	268	259	243	237	229	229	218	224	230	240	265	275	287	298	310	309	323
35	216	204	178	173	166	159	153	151	145	149	156	168	193	202	215	221	229	237	243
40	143	132	121	113	110	105	102	102	98.7	101	107	117	132	142	149	153	160	161	168
45	96.8	88.7	81.1	76.2	72.3	69.1	67.3	68.5	69.4	72.5	75.5	81.6	92.0	97.0	103	108	111	111	115
50	69.3	64.3	59.0	55.0	51.1	49.3	48.1	49.7	50.8	53.4	56.0	59.8	67.8	71.4	76.5	78.7	80.4	80.1	82.3
55	51.3	47.6	43.8	40.4	37.4	35.8	34.6	34.9	35.5	37.4	39.5	42.3	48.1	50.8	54.5	55.7	58.1	58.4	60.7
60	35.8	33.3	30.5	28.3	26.1	24.6	23.6	23.7	24.0	25.2	26.3	28.2	32.2	33.9	36.8	37.8	39.2	39.4	41.3
65	23.7	22.4	20.5	19.0	17.3	16.4	15.6	15.6	15.7	16.3	16.9	17.7	20.1	21.2	23.1	23.8	24.6	24.7	26.1
70	14.8	14.3	13.3	12.4	11.5	11.0	10.6	10.3	10.2	10.4	10.6	10.9	12.1	12.6	13.6	13.9	14.1	14.1	15.1
75	9.01	8.95	8.47	8.08	7.63	7.33	6.87	6.54	6.20	6.20	6.27	6.53	7.29	7.41	7.75	7.86	8.12	8.22	8.67
80	4.85	4.89	4.69	4.47	4.06	3.81	3.38	3.18	2.90	2.97	2.99	3.32	3.91	4.06	4.37	4.50	4.70	4.75	5.06
85	1.87	1.84	1.77	1.67	1.41	1.23	1.07	0.98	0.93	0.89	0.91	0.98	1.20	1.29	1.45	1.50	1.63	1.73	2.06
90	0.16	0.18	0.13	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
95	0.01	0.02	0.01	0.02	0.01	0.02	0.01	0.03	0.01	0.03	0.01	0.02	0.02	0.00	0.01	0.00	0.01	0.00	0.01
100	0.01	0.04	0.01	0.05	0.01	0.05	0.02	0.05	0.03	0.06	0.02	0.05	0.04	0.00	0.04	0.00	0.02	0.00	0.02
105	0.03	0.07	0.04	0.08	0.05	0.08	0.05	0.09	0.05	0.09	0.05	0.08	0.07	0.03	0.06	0.02	0.06	0.02	0.05
110	0.08	0.12	0.09	0.13	0.09	0.13	0.10	0.14	0.11	0.15	0.10	0.13	0.12	0.08	0.09	0.05	0.09	0.04	0.08
115	0.14	0.17	0.14	0.19	0.16	0.20	0.17	0.22	0.18	0.22	0.17	0.19	0.17	0.13	0.15	0.10	0.13	0.08	0.12
120	0.21	0.25	0.24	0.28	0.25	0.30	0.27	0.32	0.29	0.32	0.27	0.29	0.25	0.20	0.22	0.16	0.19	0.14	0.17
125	0.31	0.37	0.36	0.40	0.38	0.43	0.41	0.45	0.43	0.46	0.41	0.41	0.37	0.30	0.31	0.26	0.28	0.23	0.25
130	0.46	0.52	0.51	0.56	0.54	0.59	0.59	0.62	0.60	0.63	0.58	0.58	0.52	0.45	0.46	0.39	0.41	0.36	0.38
135	0.63	0.69	0.69	0.75	0.74	0.79	0.79	0.83	0.81	0.84	0.79	0.78	0.72	0.64	0.63	0.57	0.57	0.52	0.53
140	0.85	0.91	0.91	0.97	0.97	1.04	1.03	1.08	1.06	1.08	1.04	1.03	0.95	0.87	0.86	0.79	0.78	0.72	0.73
145	1.10	1.17	1.17	1.24	1.23	1.30	1.29	1.34	1.32	1.35	1.30	1.29	1.22	1.14	1.12	1.04	1.03	0.97	0.97
150	1.37	1.43	1.43	1.50	1.50	1.57	1.56	1.61	1.60	1.63	1.59	1.57	1.48	1.39	1.38	1.30	1.29	1.22	1.23
155	1.64	1.70	1.70	1.76	1.76	1.82	1.82	1.87	1.86	1.89	1.85	1.84	1.75	1.66	1.65	1.58	1.56	1.49	1.50
160	1.92	1.97	1.96	2.03	2.01	2.07	2.07	2.13	2.11	2.14	2.09	2.09	2.02	1.92	1.91	1.84	1.83	1.77	1.78
165	2.18	2.23	2.21	2.27	2.25	2.29	2.29	2.33	2.32	2.35	2.31	2.31	2.27	2.18	2.18	2.10	2.10	2.04	2.05
170	2.40	2.44	2.41	2.45	2.43	2.47	2.45	2.50	2.47	2.51	2.47	2.49	2.48	2.40	2.41	2.34	2.35	2.29	2.30
175	2.56	2.60	2.55	2.59	2.56	2.60	2.57	2.60	2.57	2.61	2.58	2.61	2.63	2.56	2.59	2.52	2.54	2.48	2.51
180	2.65	2.66	2.64	2.64	2.62	2.62	2.60	2.60	2.60	2.61	2.61	2.61	2.69	2.65	2.66	2.62	2.62	2.60	2.61

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.31V I:0.0386A P:6.8121W PF:0.7661 Freq:50.00Hz Lamp Flux:647.025x1 lm		
NAME: DRACO	TYPE:3000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	630	629	629	628	629														
5	635	634	633	631	629														
10	635	624	614	609	609														
15	587	584	577	566	561														
20	492	502	491	482	484														
25	399	412	403	392	392														
30	331	335	331	319	309														
35	255	262	260	250	233														
40	177	186	183	177	161														
45	120	126	124	121	107														
50	85.3	88.5	86.3	82.8	74.8														
55	62.2	64.8	62.9	60.2	55.6														
60	42.5	44.3	43.3	42.0	38.9														
65	27.5	28.9	28.4	27.4	25.5														
70	16.2	17.4	17.2	16.6	15.4														
75	9.19	9.92	9.87	9.52	9.14														
80	5.23	5.49	5.45	5.36	5.09														
85	2.25	2.44	2.33	2.24	1.97														
90	0.10	0.27	0.32	0.35	0.26														
95	0.00	0.01	0.01	0.02	0.01														
100	0.00	0.02	0.01	0.03	0.01														
105	0.01	0.04	0.01	0.05	0.02														
110	0.03	0.08	0.04	0.08	0.05														
115	0.08	0.11	0.08	0.13	0.10														
120	0.14	0.17	0.14	0.19	0.16														
125	0.22	0.25	0.22	0.28	0.25														
130	0.34	0.38	0.35	0.40	0.38														
135	0.50	0.53	0.51	0.56	0.55														
140	0.69	0.73	0.71	0.76	0.75														
145	0.93	0.96	0.94	0.99	0.99														
150	1.19	1.22	1.20	1.25	1.25														
155	1.45	1.48	1.46	1.51	1.51														
160	1.73	1.75	1.72	1.77	1.78														
165	2.00	2.02	2.00	2.04	2.04														
170	2.25	2.28	2.26	2.30	2.28														
175	2.47	2.50	2.47	2.51	2.48														
180	2.60	2.60	2.60	2.61	2.60														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Bob  
Test Date:2022-07-20

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.270  
Humidity:65.0%  
Test Distance:7.030m [K=1.0000]  
Remarks: