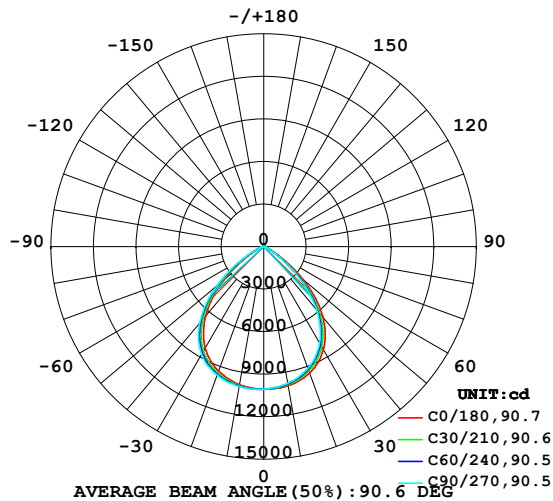


LUMINAIRE PHOTOMETRIC TEST REPORT

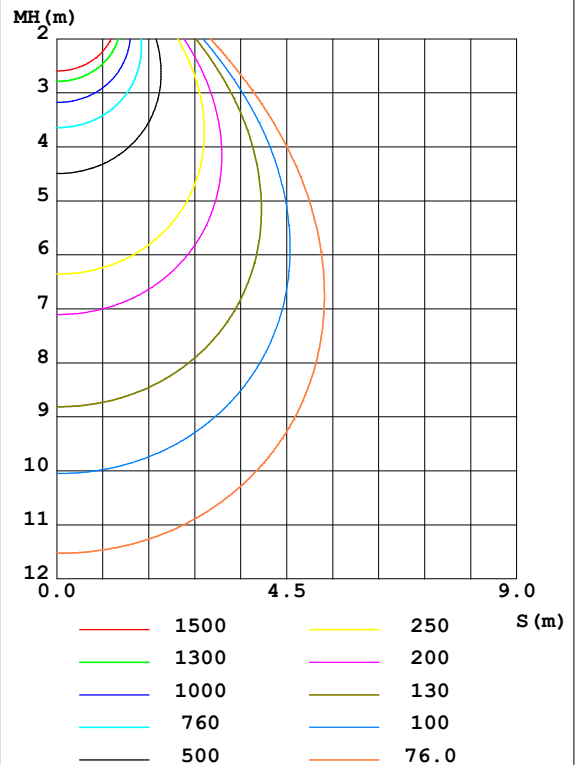
Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.24 lm/W			
MODEL	BR3511	I _{max} (cd)	10086	S/MH (C0/180)	1.22
NOMINAL POWER (W)	146.2	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	230.0	TOTAL FLUX (lm)	19190	η UP, DN (C0-180)	0.0, 46.8
NOMINAL FLUX (lm)	19189.7	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 53.2
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230.1	η down (%)	100.0	CIBSE SHR MAX	1.30

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 22.5DEG
Operators:
Test Date: 2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity: 74.3%
Test Distance: 1.959m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

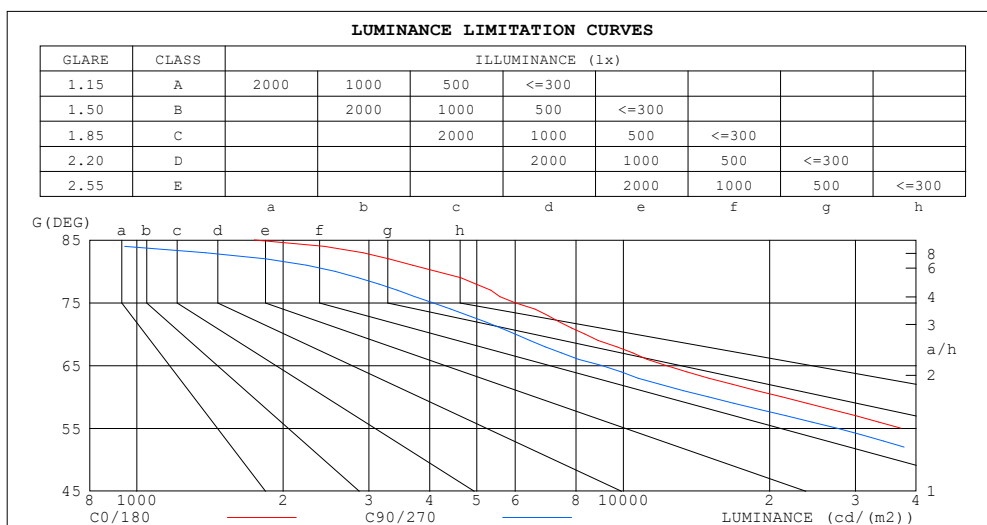
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	995.8	986.1	978.8	979.7	988.2	996.9	1002	1001	0- 10	953.3	953.3	4.97,4.97
20	948.4	926.3	913.2	915.5	934.0	953.7	964.3	962.3	10- 20	2739	3692	19.2,19.2
30	841.6	807.2	788.6	796.1	826.3	858.3	877.0	871.2	20- 30	4115	7807	40.7,40.7
40	649.3	603.5	580.7	594.1	637.0	679.0	703.1	692.3	30- 40	4660	12468	65,65
50	362.9	306.4	290.2	311.6	366.9	410.4	431.9	419.3	40- 50	3907	16375	85.3,85.3
60	105.7	80.54	74.76	87.33	116.0	142.4	154.4	139.9	50- 60	1995	18370	95.7,95.7
70	28.43	22.08	20.52	24.41	31.01	36.54	39.55	36.17	60- 70	601.5	18972	98.9,98.9
80	7.140	4.850	4.435	6.034	8.714	10.78	12.06	10.82	70- 80	182.6	19154	99.8,99.8
90	0.0041	0.0029	0.0033	0.0043	0.0174	0.0738	0.0436	0.0028	80- 90	32.86	19187	100,100
100	0.0070	0.0075	0.0083	0.0111	0.0052	0.0037	0.0364	0.0029	90-100	0.0608	19187	100,100
110	0.0242	0.0341	0.0268	0.0302	0.0206	0.0163	0.0229	0.0112	100-110	0.1436	19187	100,100
120	0.0344	0.0595	0.0431	0.0468	0.0235	0.0287	0.0330	0.0244	110-120	0.3172	19187	100,100
130	0.0468	0.0758	0.0697	0.0796	0.0319	0.0357	0.0476	0.0295	120-130	0.3932	19188	100,100
140	0.0597	0.0873	0.0935	0.1011	0.0579	0.0622	0.0643	0.0505	130-140	0.4783	19188	100,100
150	0.0822	0.0934	0.1000	0.1118	0.0759	0.0864	0.0763	0.0720	140-150	0.4965	19189	100,100
160	0.0885	0.1010	0.1055	0.1143	0.1038	0.1009	0.0862	0.0964	150-160	0.4347	19189	100,100
170	0.0867	0.0975	0.0932	0.0951	0.0972	0.0928	0.0742	0.0953	160-170	0.2772	19190	100,100
180	0.0759	0.0991	0.0971	0.0889	0.0640	0.0834	0.0779	0.0833	170-180	0.0802	19190	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:22.5DEG
 Operators:
 Test Date:2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity:74.3%
 Test Distance:1.959m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	1744	502
80	4125	2554
75	5987	4057
70	8338	5997
65	12242	9031
60	21196	14948
55	37232	27483
50	56638	45139
45	73385	62391

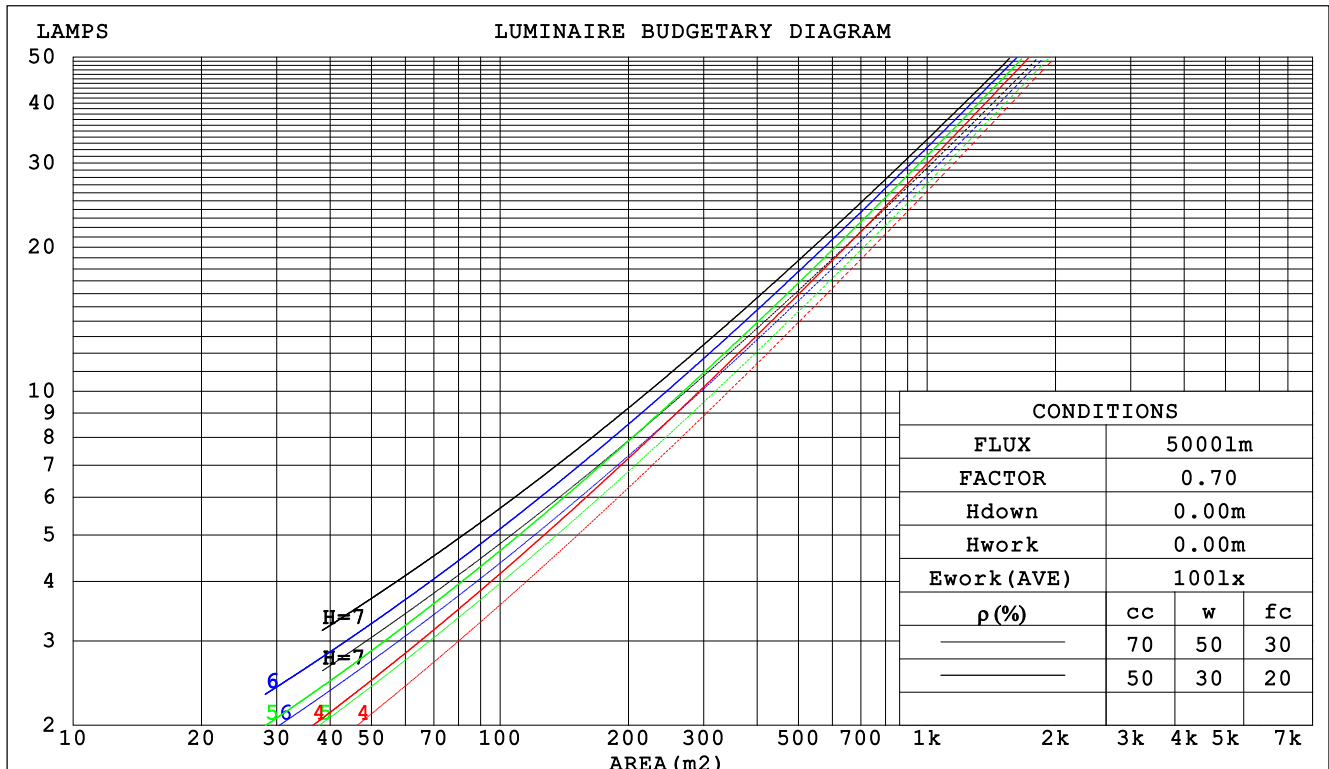
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 22.5DEG
 Operators:
 Test Date: 2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 74.3%
 Test Distance: 1.959m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	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	.00
1.0	1.08	1.05	1.02	1.06	1.03	1.01	1.02	.00	.97	.98	.96	.94	.95	.93	.92	.90
2.0	.98	.92	.88	.96	.91	.87	.93	.89	.85	.89	.86	.83	.87	.84	.81	.80
3.0	.88	.82	.77	.87	.81	.76	.84	.79	.75	.81	.77	.74	.79	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.71	.66	.74	.69	.65	.72	.68	.64	.63
5.0	.73	.65	.60	.72	.65	.59	.70	.64	.59	.68	.63	.58	.66	.61	.58	.56
6.0	.66	.59	.53	.66	.58	.53	.64	.57	.53	.62	.57	.52	.61	.56	.52	.50
7.0	.61	.53	.48	.60	.53	.48	.59	.52	.48	.57	.52	.47	.56	.51	.47	.45
8.0	.56	.49	.43	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
9.0	.52	.44	.40	.51	.44	.39	.50	.44	.39	.49	.43	.39	.48	.43	.39	.37
10.0	.48	.41	.36	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.36	.34



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm									
NAME: DETA				TYPE:			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	.227	.129	.041	.220	.126	.040	.207	.119	.038	.195	.113	.036	.185	.107	.034	
2.0	.222	.122	.037	.216	.119	.037	.205	.114	.035	.195	.109	.034	.185	.105	.033	
3.0	.213	.113	.034	.208	.111	.033	.198	.107	.033	.189	.104	.032	.181	.100	.031	
4.0	.202	.105	.031	.198	.103	.031	.189	.100	.030	.181	.097	.029	.174	.094	.029	
5.0	.192	.098	.028	.188	.096	.028	.180	.094	.028	.173	.091	.027	.167	.089	.027	
6.0	.181	.091	.026	.178	.090	.026	.171	.088	.026	.165	.086	.025	.159	.084	.025	
7.0	.172	.085	.024	.169	.084	.024	.163	.082	.024	.157	.081	.023	.152	.079	.023	
8.0	.163	.080	.022	.160	.079	.022	.155	.077	.022	.150	.076	.022	.145	.074	.022	
9.0	.155	.075	.021	.152	.074	.021	.147	.073	.021	.143	.072	.020	.138	.070	.020	
10.0	.147	.071	.020	.145	.070	.020	.140	.069	.019	.136	.068	.019	.132	.067	.019	

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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.141	.149	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.140	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.154	.114	.083	.132	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.145	.100	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.011	.008	
5.0	.138	.089	.053	.119	.077	.046	.082	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.131	.080	.044	.113	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.125	.073	.037	.108	.064	.032	.075	.045	.023	.043	.026	.014	.014	.009	.004	
8.0	.120	.068	.032	.103	.059	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.114	.063	.028	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.109	.058	.024	.094	.051	.021	.065	.036	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 22.5DEG
 Operators:
 Test Date: 2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 74.3%
 Test Distance: 1.959m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm										
NAME: DETA					TYPE:			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	24.5	25.7	24.7	25.9	26.1	23.7	25.0	24.0	25.2	25.4
3H	24.4	25.6	24.7	25.8	26.0	23.6	24.8	23.9	25.0	25.2
4H	24.4	25.4	24.6	25.7	25.9	23.5	24.6	23.8	24.9	25.1
6H	24.3	25.3	24.6	25.6	25.8	23.5	24.5	23.8	24.7	25.0
8H	24.2	25.2	24.6	25.5	25.8	23.4	24.4	23.7	24.7	24.9
12H	24.2	25.1	24.5	25.4	25.7	23.4	24.3	23.7	24.6	24.9
4H 2H	24.3	25.4	24.6	25.6	25.9	23.6	24.7	23.9	24.9	25.2
3H	24.3	25.2	24.6	25.5	25.8	23.5	24.5	23.9	24.7	25.0
4H	24.2	25.1	24.6	25.4	25.7	23.5	24.3	23.8	24.6	24.9
6H	24.2	24.9	24.6	25.3	25.6	23.4	24.1	23.8	24.5	24.8
8H	24.1	24.8	24.6	25.2	25.6	23.4	24.0	23.8	24.4	24.8
12H	24.1	24.7	24.5	25.1	25.5	23.3	23.9	23.7	24.3	24.7
8H 4H	24.1	24.8	24.5	25.2	25.5	23.4	24.0	23.8	24.4	24.8
6H	24.1	24.6	24.5	25.0	25.5	23.3	23.9	23.7	24.3	24.7
8H	24.0	24.5	24.5	25.0	25.4	23.3	23.8	23.7	24.2	24.6
12H	24.0	24.4	24.5	24.9	25.3	23.2	23.6	23.7	24.1	24.6
12H 4H	24.1	24.7	24.5	25.1	25.5	23.3	23.9	23.7	24.3	24.7
6H	24.0	24.5	24.5	24.9	25.4	23.3	23.7	23.7	24.2	24.6
8H	24.0	24.4	24.5	24.9	25.3	23.2	23.6	23.7	24.1	24.6
Variations with the observer position at spacings:										
S = 1.0H	+ 1.6 / - 2.6					+ 1.9 / - 3.6				
1.5H	+ 1.1 / - 2.5					+ 1.2 / - 2.6				
2.0H	+ 3.8 / - 5.9					+ 3.9 / - 5.7				

CIE Pub.117, 19190 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 10.3$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

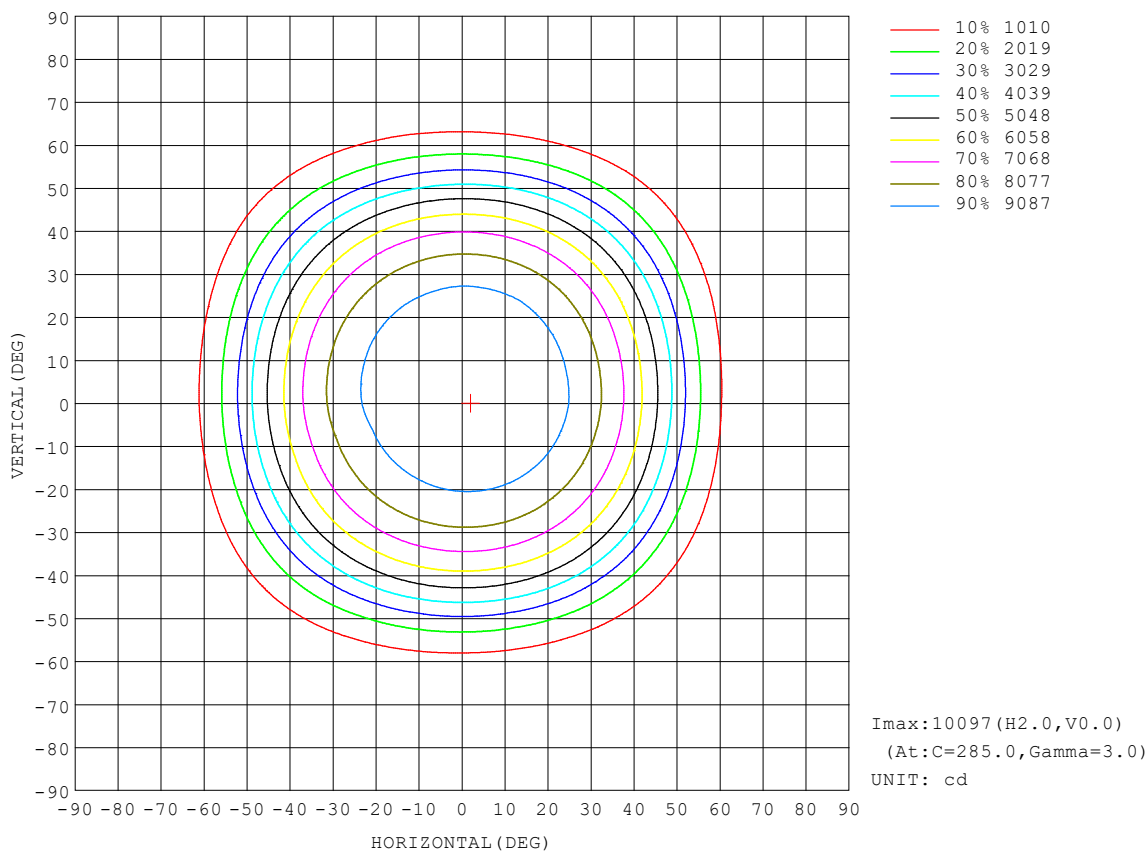
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	69	59	54	68	59	54	67	59	53	48
0.80	79	70	64	78	70	64	77	69	64	58
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	86	80	92	85	80	90	84	79	74
1.50	98	90	85	96	90	85	94	88	84	78
2.00	103	97	92	101	96	91	98	93	90	83
2.50	105	100	95	103	98	95	100	96	93	86
3.00	108	103	99	106	101	98	102	99	96	88
4.00	110	106	103	108	105	102	104	101	99	91
5.00	112	108	106	110	107	104	105	103	101	93
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: 22.5DEG
 Operators:
 Test Date: 2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 74.3%
 Test Distance: 1.959m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

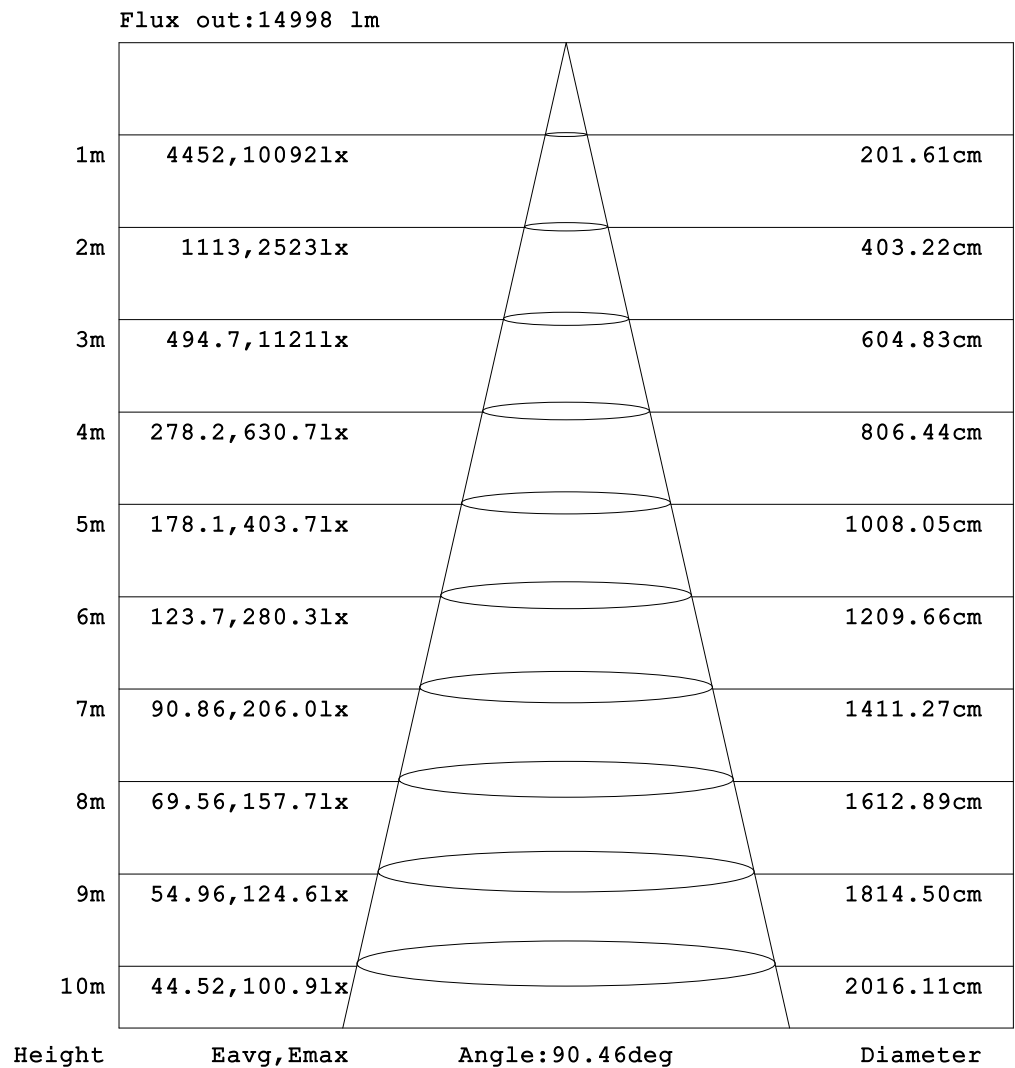


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



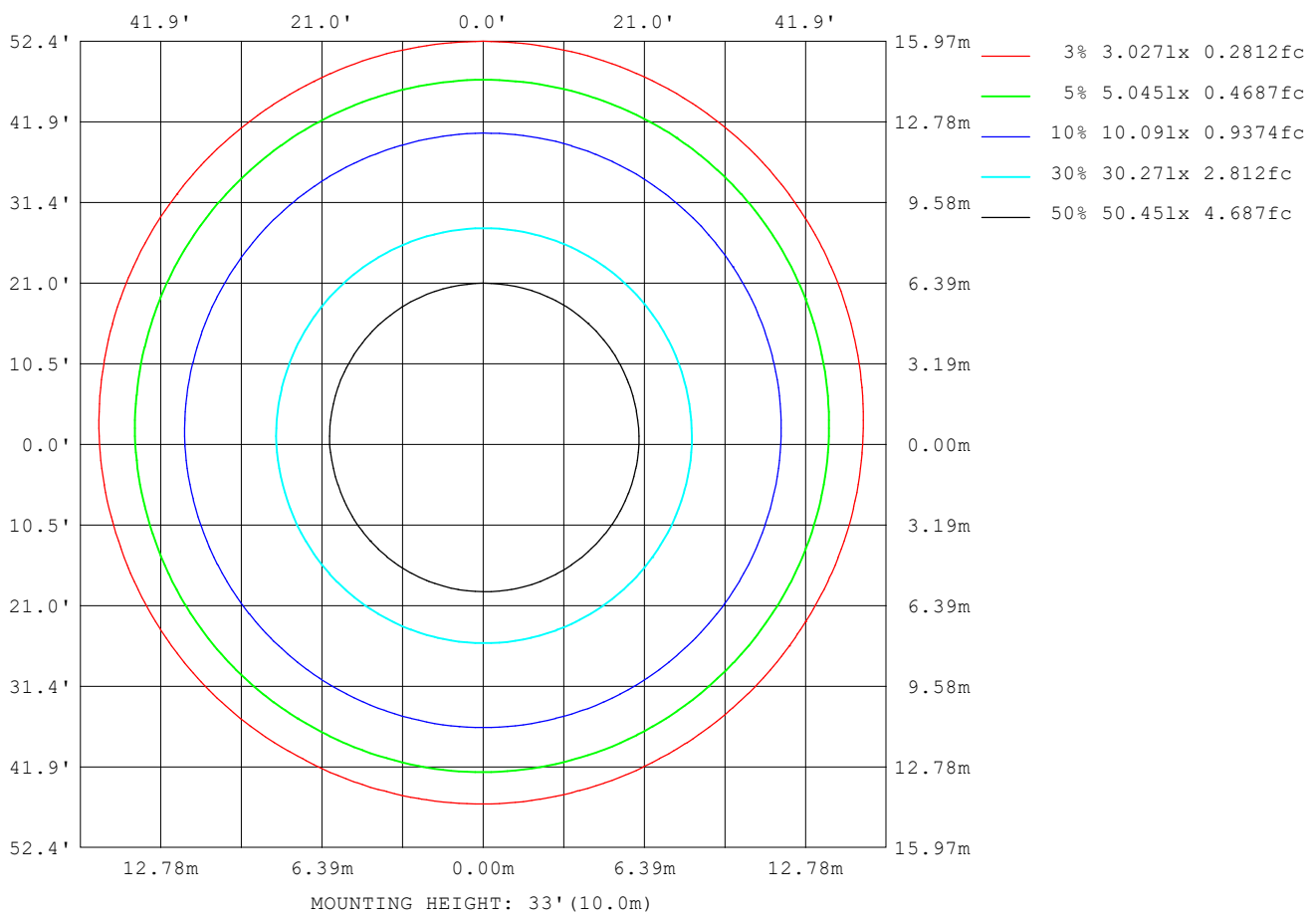
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

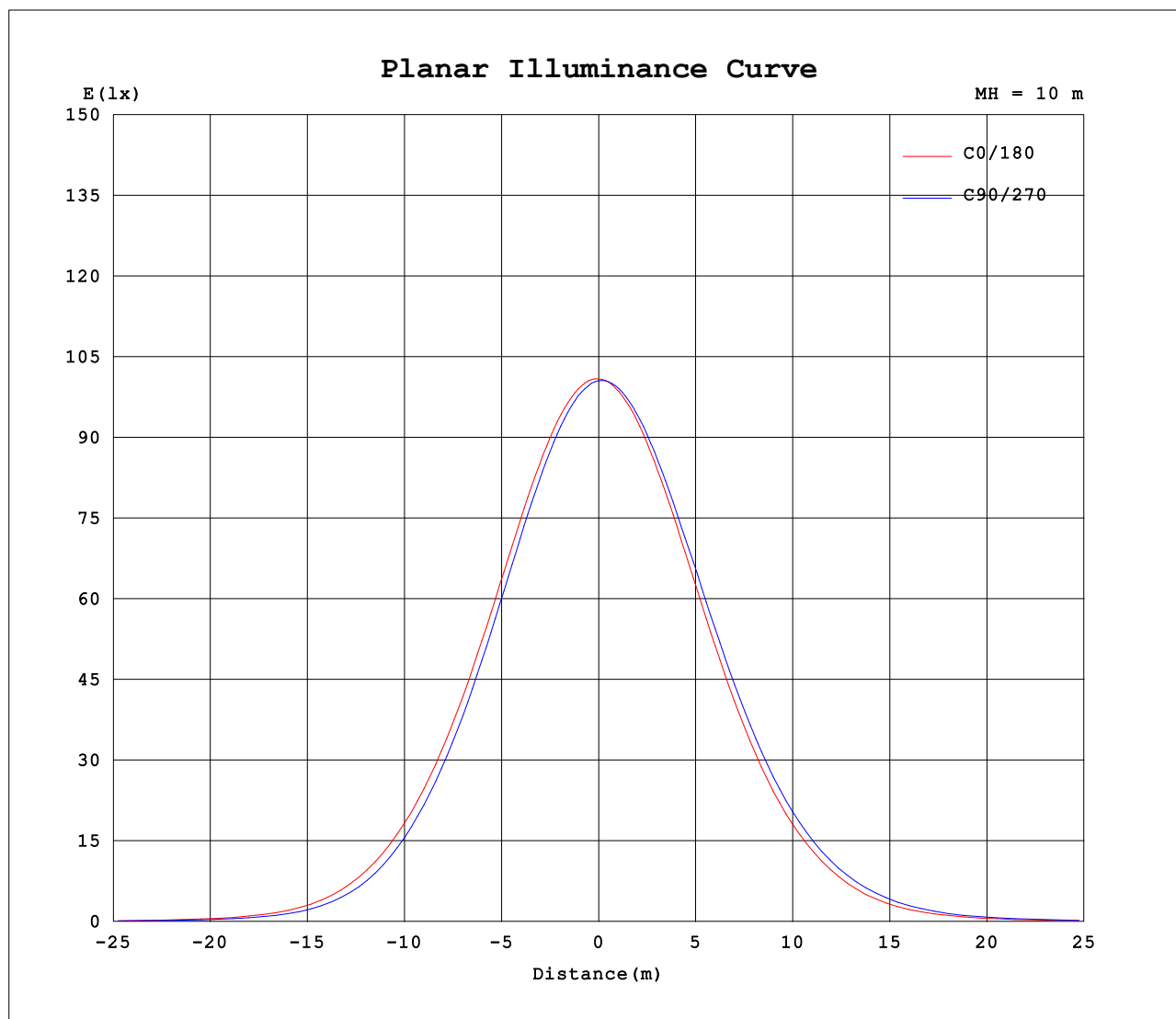
AvgL	cd/m2
L_0~180 (65) av	12891
L_0~180 (75) av	6353
L_0~180 (85) av	2454
L_90~270 (65) av	13441
L_90~270 (75) av	6450
L_90~270 (85) av	3078
L_45 (65) av	13221
L_45 (75) av	6360
L_45 (85) av	2833

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 22.5DEG
 Operators:
 Test Date: 2021-11-30

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
 Humidity: 74.3%
 Test Distance: 1.959m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006	1006
5	1005	1003	1001	1000	998	997	996	997	996	997	998	999	1000	1002	1004	1006	1006	1007	1008
10	996	993	989	986	983	980	979	979	979	980	982	984	988	991	994	997	999	1001	1002
15	978	973	967	962	958	954	952	951	951	953	957	960	966	971	976	980	984	987	988
20	948	941	933	926	920	916	913	912	912	916	920	926	934	941	948	954	958	962	964
25	904	895	885	876	869	864	860	859	860	864	870	878	889	898	907	914	922	926	929
30	842	830	818	807	799	793	789	788	791	796	803	813	826	838	849	858	866	873	877
35	758	744	729	717	707	700	695	696	699	706	716	728	743	757	770	781	790	798	803
40	649	633	616	604	592	584	581	582	585	594	607	619	637	653	667	679	690	699	703
45	517	498	480	466	456	448	441	445	450	459	474	492	511	527	541	554	565	573	578
50	363	341	323	306	298	291	290	291	298	312	328	347	367	383	397	410	420	426	432
55	213	196	179	167	160	157	158	160	166	178	191	205	223	237	250	261	271	277	282
60	106	96.2	86.2	80.5	76.4	75.2	74.8	77.2	80.7	87.3	95.1	104	116	126	135	142	147	153	154
65	51.6	47.1	43.5	41.1	38.9	38.5	38.2	39.0	41.8	44.0	47.9	52.0	57.4	62.4	66.6	70.5	73.0	75.8	75.4
70	28.4	25.7	23.5	22.1	21.1	20.5	20.5	21.3	22.8	24.4	26.5	28.6	31.0	32.8	34.5	36.5	38.3	39.5	39.5
75	15.4	13.6	12.2	11.3	10.7	10.4	10.5	11.1	12.1	13.1	14.6	16.0	17.4	18.3	19.3	20.5	22.0	22.3	22.9
80	7.14	6.01	5.23	4.85	4.31	4.31	4.44	4.76	5.43	6.03	7.00	7.94	8.71	9.38	9.95	10.8	11.6	11.8	12.1
85	1.52	1.05	0.71	0.56	0.44	0.39	0.44	0.63	0.91	1.24	1.73	2.17	2.76	3.35	3.76	4.23	4.57	4.66	4.93
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.07	0.09	0.10	0.04
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
100	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.04
105	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
110	0.02	0.02	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
115	0.03	0.03	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.02	0.01	0.04	0.03	0.04	0.04	0.03
120	0.03	0.04	0.06	0.06	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.02	0.03	0.03	0.03	0.04	0.03	0.03
125	0.05	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.02	0.02	0.03	0.02	0.03	0.04	0.04
130	0.05	0.05	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.06	0.06	0.03	0.03	0.03	0.04	0.04	0.04	0.05
135	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.07	0.07	0.04	0.05	0.05	0.05	0.05	0.05	0.05
140	0.06	0.06	0.06	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.08	0.06	0.06	0.06	0.06	0.06	0.07	0.06
145	0.07	0.07	0.08	0.09	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.08	0.06	0.07	0.07	0.08	0.08	0.07	0.07
150	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.09	0.08	0.08	0.08	0.09	0.08	0.08	0.08
155	0.09	0.09	0.09	0.10	0.10	0.11	0.10	0.11	0.11	0.12	0.11	0.11	0.09	0.09	0.10	0.10	0.09	0.08	0.08
160	0.09	0.09	0.09	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09
165	0.09	0.09	0.09	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.08	0.08
170	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.09	0.09	0.10	0.10	0.11	0.10	0.10	0.10	0.09	0.08	0.08	0.07
175	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07
180	0.08	0.07	0.09	0.10	0.08	0.09	0.10	0.10	0.09	0.09	0.08	0.07	0.06	0.06	0.07	0.08	0.09	0.08	0.08

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.13V I:0.6668A P:146.22W PF:0.9529 Freq:50.01Hz Lamp Flux:19189.7x1 lm		
NAME: DETA	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1006	1006	1006	1006	1006														
5	1008	1008	1007	1007	1006														
10	1003	1003	1001	1000	998														
15	989	989	988	985	981														
20	966	965	962	959	954														
25	930	929	926	920	914														
30	878	876	871	864	855														
35	804	801	794	785	773														
40	704	700	692	681	667														
45	579	574	566	554	538														
50	434	430	419	405	387														
55	281	276	265	250	232														
60	152	148	140	130	119														
65	74.2	71.9	67.9	63.6	58.1														
70	39.2	37.9	36.2	34.1	31.6														
75	22.8	22.0	20.9	19.4	17.6														
80	12.1	11.6	10.8	9.80	8.71														
85	4.69	4.25	3.84	3.13	2.53														
90	0.02	0.01	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.04	0.01	0.00	0.00	0.00														
105	0.02	0.01	0.01	0.01	0.01														
110	0.02	0.01	0.01	0.01	0.01														
115	0.03	0.03	0.02	0.02	0.01														
120	0.03	0.04	0.02	0.02	0.02														
125	0.04	0.03	0.02	0.02	0.02														
130	0.04	0.03	0.03	0.03	0.03														
135	0.05	0.04	0.04	0.04	0.04														
140	0.06	0.05	0.05	0.05	0.05														
145	0.07	0.06	0.06	0.06	0.06														
150	0.08	0.07	0.07	0.08	0.07														
155	0.09	0.08	0.08	0.08	0.08														
160	0.10	0.09	0.10	0.09	0.09														
165	0.10	0.10	0.10	0.09	0.09														
170	0.08	0.09	0.10	0.09	0.09														
175	0.07	0.08	0.08	0.08	0.08														
180	0.08	0.08	0.08	0.08	0.08														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:22.5DEG
Operators:
Test Date:2021-11-30

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.7
Humidity:74.3%
Test Distance:1.959m [K=1.0000]
Remarks: