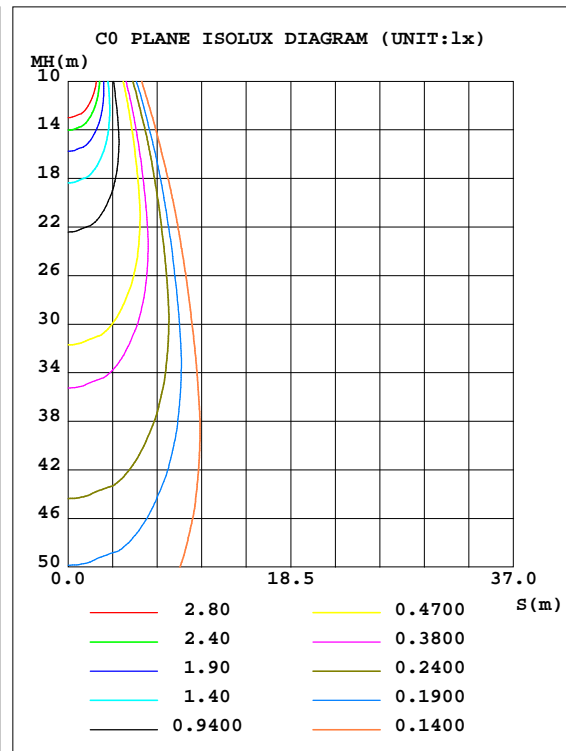
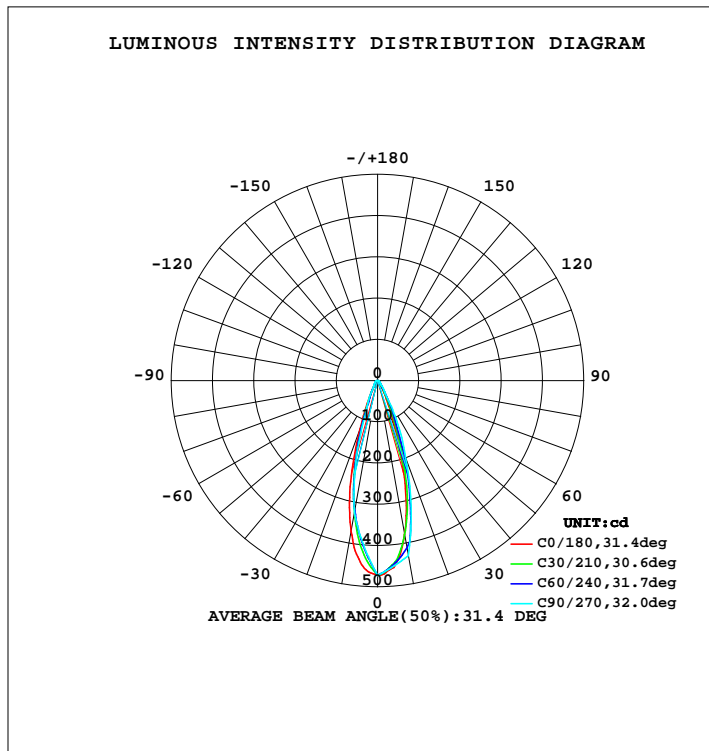


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME: RXEL39RW	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	472.5	S/MH(C0/180)	0.50
NOMINAL POWER(W)	3	LOR(%)	100.0	S/MH(C90/270)	0.45
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	171.01	h UP, DN(C0-180)	0.0, 56.0
NOMINAL FLUX(lm)	85.5027	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 44.0
LAMPS INSIDE	2	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	h down(%)	100.0	CIBSE SHR MAX	0.50



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators:  
 Test Date: 2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 13.450m [K=1.0000]  
 Remarks: EMERGE

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	454.6	445.1	451.6	443.1	447.9	407.8	398.9	408.1	0- 5	10.66	10.66	6.23,6.23
10	378.2	393.8	430.7	387.6	370.9	319.7	325.4	321.6	5- 10	28.27	38.92	22.8,22.8
15	257.9	305.1	314.7	296.3	253.9	213.2	204.5	213.6	10- 15	36.31	75.23	44,44
20	127.4	173.8	198.6	168.3	126.0	111.1	83.65	111.9	15- 20	31.11	106.3	62.2,62.2
25	58.19	80.57	118.9	76.98	54.87	47.53	52.72	48.29	20- 25	19.98	126.3	73.9,73.9
30	27.22	39.16	39.23	37.57	26.22	23.48	21.78	24.15	25- 30	11.76	138.1	80.7,80.7
35	15.29	20.81	26.02	20.20	15.13	15.65	17.02	15.63	30- 35	6.748	144.8	84.7,84.7
40	10.93	12.93	12.81	12.68	10.90	11.66	12.25	11.50	35- 40	4.920	149.8	87.6,87.6
45	8.706	10.30	10.42	9.990	8.739	10.00	10.80	9.714	40- 45	4.040	153.8	89.9,89.9
50	7.440	8.286	8.025	8.079	7.469	8.335	9.347	8.246	45- 50	3.640	157.4	92.1,92.1
55	6.270	6.890	6.773	6.783	6.377	6.970	7.954	7.048	50- 55	3.275	160.7	94,94
60	5.049	5.462	5.522	5.562	4.985	5.784	6.561	5.959	55- 60	2.902	163.6	95.7,95.7
65	3.927	4.279	4.361	4.255	3.794	4.547	5.209	4.716	60- 65	2.426	166.0	97.1,97.1
70	2.839	3.200	3.200	3.071	2.743	3.465	3.856	3.625	65- 70	1.926	168.0	98.2,98.2
75	1.819	2.197	2.337	2.195	1.765	2.630	2.887	2.675	70- 75	1.447	169.4	99.1,99.1
80	1.052	1.377	1.474	1.321	0.9783	1.723	1.918	1.857	75- 80	1.015	170.4	99.7,99.7
85	0.4746	0.3841	0	0.3310	0.3630	0.4853	0	0.5780	80- 85	0.5175	170.9	100,100
90	0	0	0	0	0.0000	0	0	0	85- 90	0.0629	171.0	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

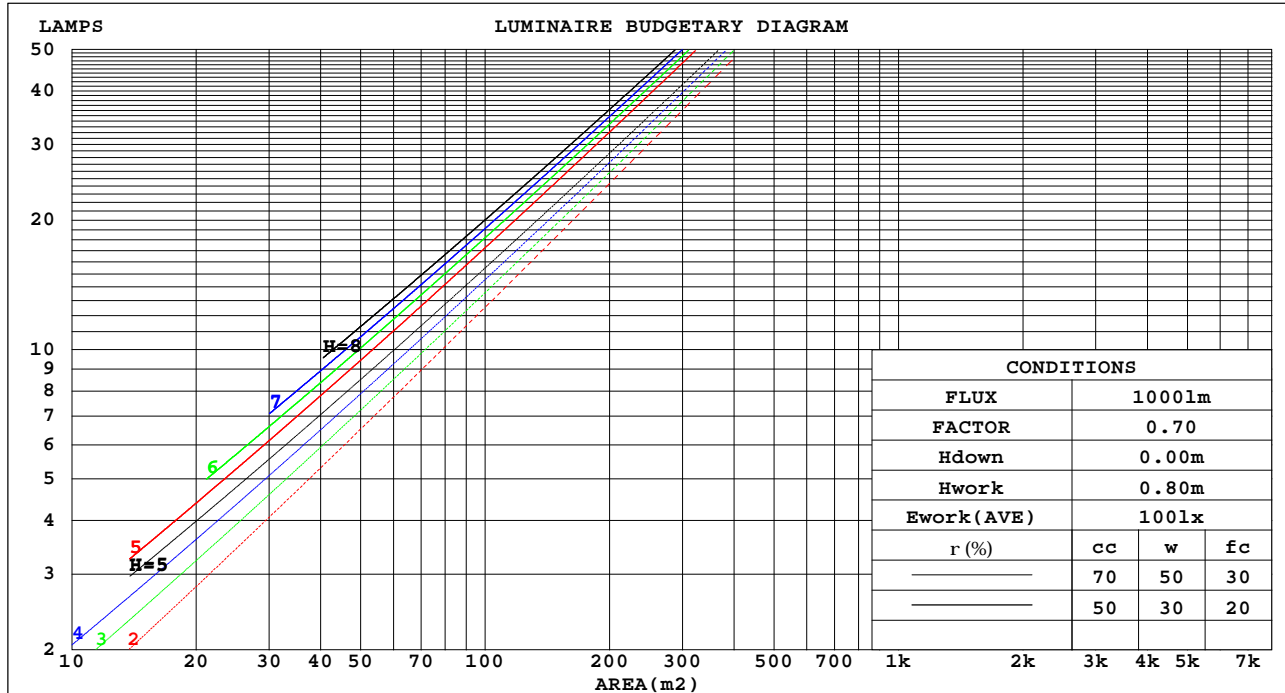
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	1.11	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	.00	.98	.98	.96	.95	.94
2.0	1.04	.00	.96	1.02	.98	.95	.99	.96	.93	.96	.93	.91	.93	.91	.89	.88
3.0	.97	.93	.89	.96	.92	.88	.94	.90	.87	.91	.88	.86	.89	.86	.84	.83
4.0	.92	.87	.83	.91	.86	.83	.89	.85	.82	.87	.83	.81	.85	.82	.80	.78
5.0	.87	.82	.78	.87	.82	.78	.85	.80	.77	.83	.79	.77	.82	.78	.76	.75
6.0	.83	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.73	.78	.75	.72	.71
7.0	.80	.74	.71	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.68
8.0	.76	.71	.67	.76	.71	.67	.75	.70	.67	.74	.70	.67	.73	.69	.66	.65
9.0	.73	.68	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.70	.67	.64	.63
10.0	.71	.65	.62	.70	.65	.62	.69	.65	.62	.69	.65	.62	.68	.64	.62	.60



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.176	.100	.032	.169	.097	.031	.157	.090	.029	.145	.084	.027	.135	.078	.025	
2.0	.165	.090	.028	.159	.088	.027	.149	.083	.026	.139	.078	.024	.130	.074	.023	
3.0	.154	.082	.025	.149	.080	.024	.140	.076	.023	.132	.072	.022	.124	.069	.021	
4.0	.144	.075	.022	.140	.073	.022	.132	.070	.021	.125	.067	.020	.119	.064	.020	
5.0	.135	.069	.020	.132	.068	.020	.125	.065	.019	.119	.063	.019	.113	.060	.018	
6.0	.127	.064	.018	.124	.063	.018	.118	.061	.018	.113	.059	.017	.108	.057	.017	
7.0	.120	.059	.017	.118	.059	.017	.113	.057	.016	.108	.055	.016	.103	.054	.016	
8.0	.114	.056	.016	.112	.055	.016	.107	.054	.015	.103	.052	.015	.099	.051	.015	
9.0	.108	.052	.015	.106	.052	.015	.102	.051	.014	.099	.049	.014	.095	.048	.014	
10.0	.103	.050	.014	.102	.049	.014	.098	.048	.014	.095	.047	.013	.091	.046	.013	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r 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	.171	.157	.145	.146	.135	.125	.100	.093	.086	.058	.054	.050	.018	.017	.016	
2.0	.155	.133	.113	.133	.114	.098	.091	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.142	.114	.091	.122	.098	.079	.084	.068	.055	.048	.040	.033	.016	.013	.011	
4.0	.131	.099	.074	.112	.085	.064	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.052	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.106	.069	.044	.091	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.099	.063	.038	.086	.055	.033	.059	.038	.023	.034	.023	.014	.011	.007	.005	
9.0	.094	.057	.033	.081	.050	.029	.056	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.089	.053	.029	.077	.046	.025	.053	.032	.018	.031	.019	.011	.010	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

UGR(Unified Glare Rating) Table

NAME:					TYPE:					WEIGHT:					
SPEC.:					DIM.:					SERIAL No.:20141023-2					
MFR.:					SUR.:					PROTECTION 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	13.9	14.8	14.2	14.9	15.1	14.6	15.5	14.9	15.7	15.8					
3H	15.0	15.8	15.3	16.0	16.2	15.8	16.5	16.0	16.7	16.9					
4H	15.4	16.1	15.7	16.4	16.6	16.2	17.0	16.5	17.2	17.4					
6H	15.7	16.4	15.9	16.6	16.9	16.6	17.4	16.9	17.6	17.8					
8H	15.7	16.4	16.0	16.7	16.9	16.7	17.4	17.0	17.7	17.9					
12H	15.8	16.4	16.1	16.7	17.0	16.7	17.4	17.0	17.6	17.9					
4H 2H	14.5	15.3	14.8	15.5	15.7	15.1	15.8	15.4	16.1	16.3					
3H	15.8	16.4	16.1	16.7	17.0	16.4	17.1	16.7	17.3	17.6					
4H	16.3	16.9	16.6	17.2	17.5	17.0	17.6	17.3	17.9	18.2					
6H	16.7	17.2	17.0	17.5	17.9	17.5	18.1	17.9	18.4	18.8					
8H	16.8	17.3	17.1	17.6	18.0	17.6	18.2	18.0	18.5	18.9					
12H	16.8	17.3	17.2	17.7	18.0	17.6	18.1	18.0	18.5	18.8					
8H 4H	16.5	17.0	16.9	17.4	17.8	17.2	17.7	17.6	18.0	18.4					
6H	17.0	17.5	17.5	17.9	18.3	17.9	18.3	18.3	18.7	19.1					
8H	17.2	17.6	17.6	18.0	18.4	18.0	18.4	18.5	18.8	19.2					
12H	17.3	17.6	17.8	18.1	18.6	18.0	18.3	18.5	18.8	19.2					
12H 4H	16.6	17.0	17.0	17.4	17.8	17.2	17.6	17.6	18.0	18.4					
6H	17.1	17.5	17.5	17.9	18.3	17.9	18.3	18.3	18.7	19.1					
8H	17.3	17.6	17.8	18.1	18.5	18.1	18.4	18.5	18.8	19.3					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.3 / - 0.3					+ 0.3 / - 0.4									
1.5H	+ 0.2 / - 0.2					+ 0.6 / - 0.4									
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4									

CIE Pub.117 Corrected 171.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -6.1)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

## UTILIZATION FACTORS TABLE

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION 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	84	77	73	83	77	73	83	76	73	69
0.80	92	85	81	91	85	81	90	84	80	76
1.00	96	90	86	95	90	86	94	90	85	81
1.25	101	95	91	100	94	90	97	93	90	85
1.50	104	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	91
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	104	109	105	102	105	103	100	94
4.00	113	110	107	111	108	106	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:  
Test Date:2014-10-23

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:13.450m [K=1.0000]  
Remarks: EMERGE

ISOCANDELA DIAGRAM

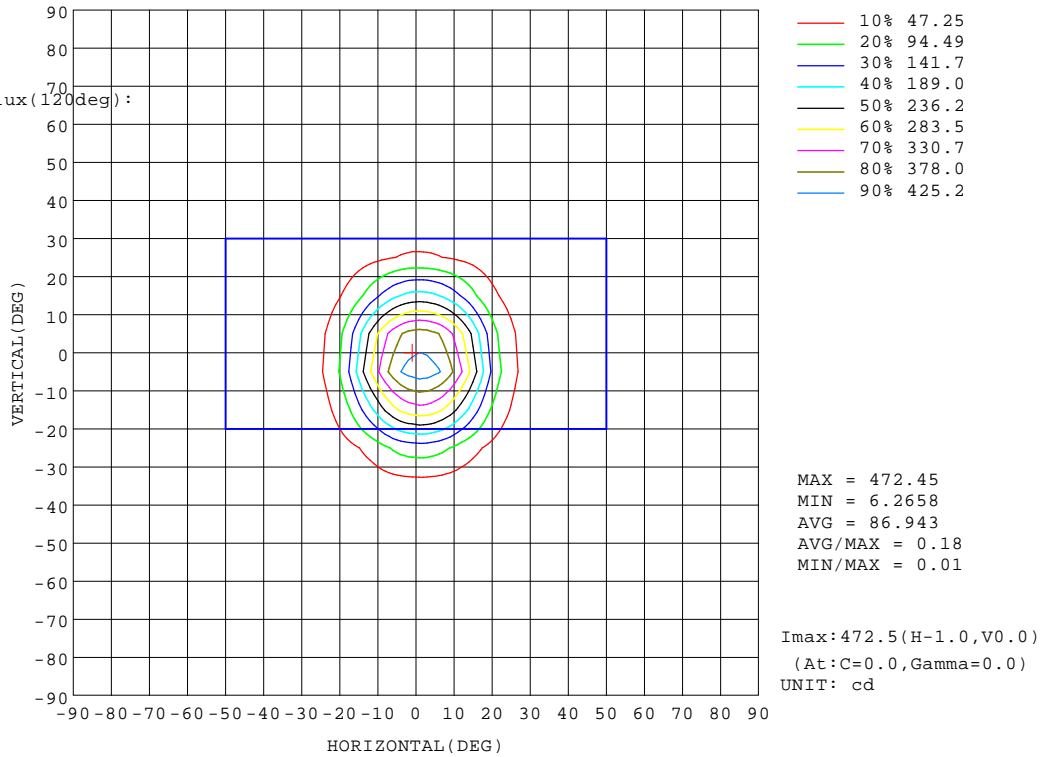
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

153.79 lm  
 %lum = 89.9%  
 %lamp = 89.9%

Conical surface Flux(120deg):

163.61 lm  
 %lum = 95.7%  
 %lamp = 95.7%

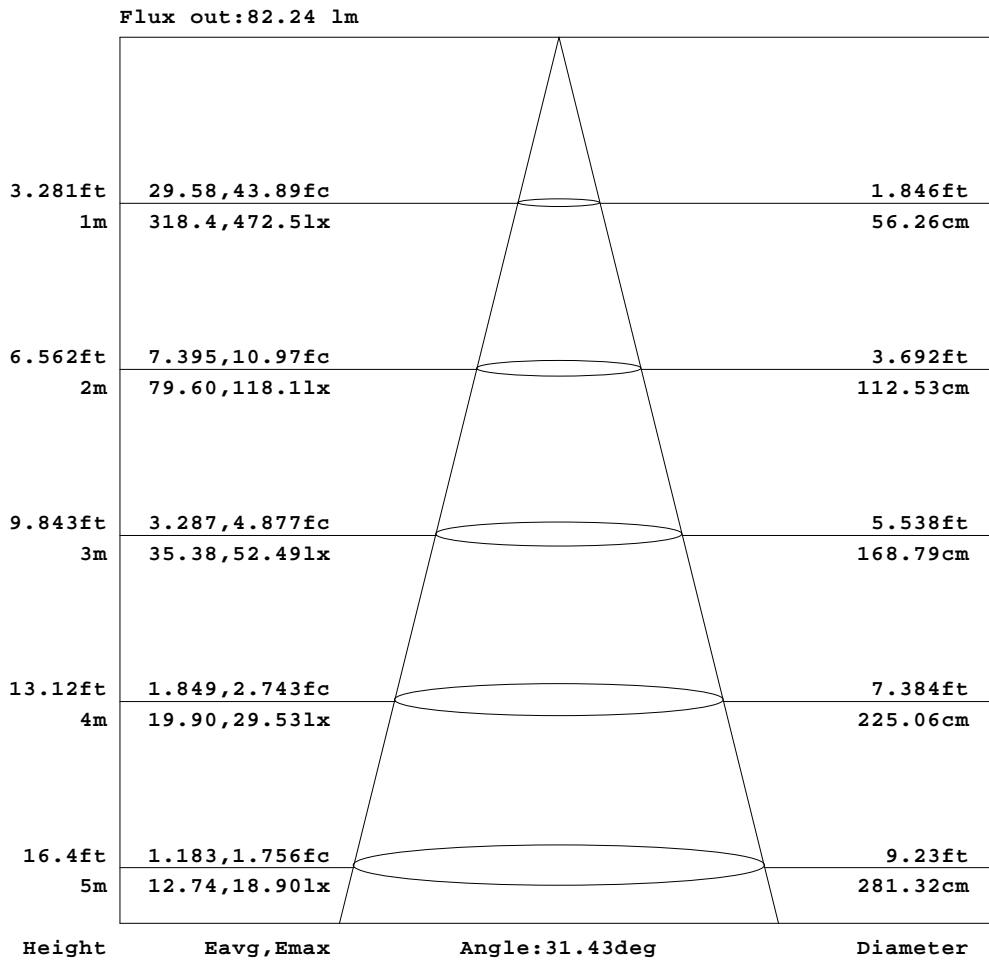


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 30DEG  
 Operators:  
 Test Date: 2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 13.450m [K=1.0000]  
 Remarks: EMERGE

AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:



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

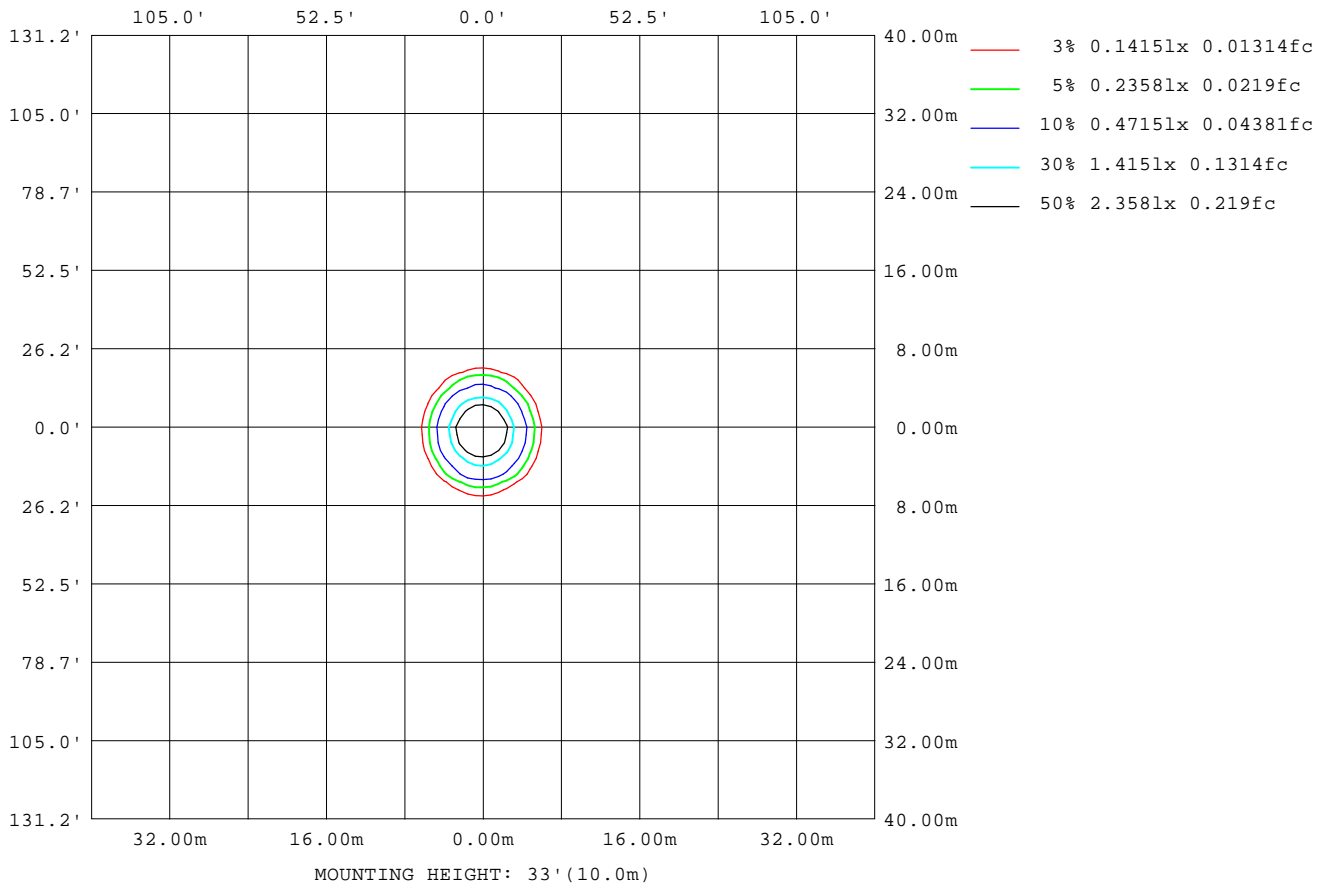
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE



ISOLUX DIAGRAM

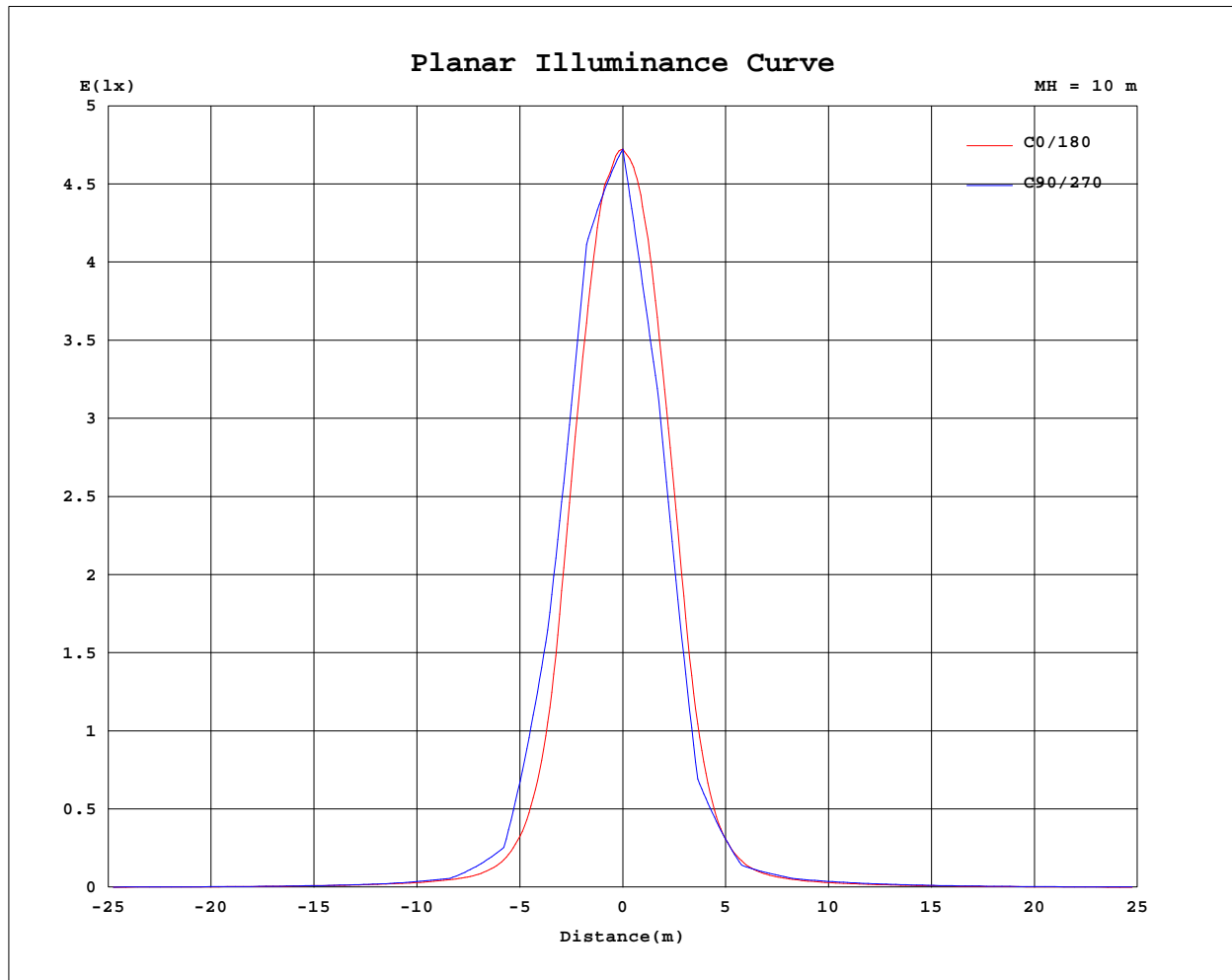
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 30DEG  
Operators:  
Test Date: 2014-10-23

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
Humidity: 65.0%  
Test Distance: 13.450m [K=1.0000]  
Remarks: EMERGE

LUMINOUS DISTRIBUTION INTENSITY DATA

<b>NAME:</b>	<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPEC.:</b>	<b>DIM.:</b>	<b>SERIAL No.:20141023-2</b>
<b>MFR.:</b>	<b>SUR.:</b>	<b>PROTECTION ANGLE:</b>

Table--1

UNIT: cd

C(DEG)\g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472
5	455	452	451	449	447	446	445	445	445	445	446	447	448	449	449	450	450	451	452
10	378	375	373	372	373	376	379	384	389	394	399	405	412	416	421	425	427	428	431
15	258	254	252	254	259	267	278	289	302	305	306	307	308	310	311	313	314	314	315
20	127	125	126	130	136	144	156	163	169	174	178	180	184	188	191	194	196	199	199
25	58.2	57.3	58.3	61.0	66.0	70.1	72.8	76.1	78.5	80.6	81.5	85.6	92.8	100.0	108	113	116	119	119
30	27.2	26.9	27.6	29.1	30.9	32.2	33.5	34.7	36.0	39.2	42.0	44.6	46.2	47.0	46.5	44.6	42.0	39.9	39.2
35	15.3	15.3	15.7	16.6	17.0	17.5	18.1	19.2	20.0	20.8	21.2	20.1	20.7	21.9	23.3	24.3	25.1	25.8	26.0
40	10.9	11.0	11.2	11.5	11.8	12.2	12.5	12.9	13.1	12.9	13.3	14.0	14.6	14.6	14.5	14.2	13.6	13.1	12.8
45	8.71	8.72	8.87	9.05	9.49	9.64	9.86	10.1	10.1	10.3	10.4	10.3	10.4	10.4	10.4	10.5	10.4	10.4	10.4
50	7.44	7.40	7.46	7.62	7.81	8.02	8.11	8.25	8.46	8.29	8.38	8.51	8.47	8.43	8.30	8.18	8.08	8.06	8.03
55	6.27	6.23	6.30	6.44	6.55	6.67	6.80	6.86	6.92	6.89	6.79	6.85	6.89	6.88	6.82	6.79	6.79	6.79	6.77
60	5.05	5.01	5.11	5.21	5.36	5.44	5.58	5.47	5.41	5.46	5.50	5.55	5.63	5.65	5.64	5.62	5.59	5.55	5.52
65	3.93	3.83	3.98	3.97	4.04	4.11	4.18	4.13	4.21	4.28	4.34	4.39	4.39	4.44	4.44	4.43	4.40	4.37	4.36
70	2.84	2.78	2.83	2.88	2.96	3.03	3.10	3.15	3.17	3.20	3.23	3.29	3.25	3.27	3.25	3.24	3.22	3.20	3.20
75	1.82	1.83	1.85	1.95	2.05	2.14	2.21	2.20	2.20	2.20	2.21	2.28	2.27	2.32	2.34	2.36	2.35	2.34	2.34
80	1.05	1.01	1.07	1.13	1.22	1.19	1.21	1.31	1.38	1.38	1.40	1.43	1.44	1.49	1.51	1.52	1.50	1.48	1.47
85	0.47	0.44	0.49	0.48	0.59	0.62	0.65	0.56	0.46	0.38	0.31	0.25	0.19	0.14	0.09	0.05	0.02	0.01	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472
5	450	449	447	446	446	445	445	444	443	443	442	442	442	442	443	444	446	448	442
10	427	423	421	417	412	407	400	393	388	381	375	371	368	365	364	365	367	371	360
15	311	311	310	309	306	303	300	298	296	292	280	270	260	253	249	248	249	254	241
20	196	196	194	191	184	179	175	171	168	165	159	154	142	133	127	124	123	126	118
25	118	116	113	107	97.8	88.4	80.6	76.1	77.0	75.4	72.5	68.8	65.2	61.1	56.8	54.7	54.0	54.9	51.6
30	40.2	42.6	45.1	46.6	46.2	44.8	42.6	40.3	37.6	34.5	32.8	31.5	30.0	29.1	27.5	26.2	25.8	26.2	25.0
35	25.9	25.4	24.7	23.6	22.4	21.0	19.7	20.5	20.2	19.1	18.0	17.4	16.8	16.1	15.7	15.3	15.0	15.1	14.8
40	13.0	13.5	14.1	14.4	14.5	14.3	13.7	13.2	12.7	12.6	12.5	12.3	12.0	11.6	11.3	11.1	10.9	10.9	10.8
45	10.4	10.4	10.3	10.2	10.1	10.1	10.1	10.2	9.99	9.87	9.92	9.72	9.42	9.29	9.06	8.91	8.78	8.74	8.77
50	8.08	8.19	8.21	8.23	8.27	8.34	8.39	8.23	8.08	8.14	8.07	8.02	7.90	7.74	7.62	7.55	7.47	7.47	7.51
55	6.77	6.83	6.77	6.74	6.75	6.71	6.74	6.78	6.78	6.69	6.66	6.62	6.52	6.38	6.28	6.26	6.31	6.38	6.38
60	5.50	5.55	5.48	5.46	5.46	5.45	5.47	5.54	5.56	5.51	5.47	5.37	5.27	5.24	5.12	5.04	5.04	4.99	5.02
65	4.36	4.41	4.36	4.31	4.28	4.27	4.25	4.24	4.25	4.25	4.23	4.11	4.03	3.93	3.91	3.79	3.83	3.79	3.82
70	3.23	3.27	3.27	3.22	3.18	3.17	3.18	3.12	3.07	2.97	2.99	2.97	2.93	2.82	2.77	2.74	2.74	2.74	2.76
75	2.35	2.37	2.35	2.30	2.25	2.20	2.19	2.14	2.20	2.14	2.12	2.02	2.01	1.97	1.88	1.84	1.77	1.76	1.78
80	1.47	1.48	1.45	1.43	1.40	1.36	1.37	1.33	1.32	1.30	1.35	1.33	1.24	1.19	1.14	1.09	1.05	0.98	1.04
85	0.01	0.02	0.05	0.08	0.13	0.17	0.23	0.28	0.33	0.38	0.43	0.48	0.50	0.49	0.50	0.40	0.41	0.36	0.45
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472
5	436	430	425	421	417	414	411	408	406	404	402	401	400	399	399	399	399	399	399
10	350	341	334	329	325	322	320	320	319	319	320	321	323	324	325	326	325	325	325
15	230	222	217	213	212	211	213	213	212	211	210	209	208	207	206	205	205	205	205
20	113	109	107	106	106	107	110	111	111	109	105	100	95.9	91.4	87.6	85.1	83.7	84.3	86.6
25	49.7	48.5	48.2	48.2	48.9	49.4	49.1	47.5	43.7	43.5	45.5	47.4	49.5	51.2	52.4	52.9	52.7	52.5	51.6
30	24.4	24.2	24.2	24.3	24.5	23.7	22.5	23.5	24.8	25.9	26.3	26.0	25.4	24.3	23.1	22.1	21.8	22.2	23.2
35	14.8	15.0	15.1	15.2	15.2	15.3	15.5	15.6	15.5	14.9	15.1	15.6	16.0	16.4	16.8	17.0	17.0	17.0	16.8
40	10.9	11.1	11.2	11.3	11.5	11.8	11.9	11.7	11.9	12.1	12.3	12.3	12.4	12.4	12.4	12.3	12.3	12.4	12.5
45	8.94	9.03	9.25	9.42	9.61	9.73	9.84	10.0	10.1	10.0	10.1	10.3	10.4	10.6	10.8	10.8	10.8	10.8	10.8
50	7.64	7.66	7.76	7.93	8.11	8.16	8.18	8.33	8.61	8.72	8.81	8.96	9.08	9.32	9.41	9.36	9.35	9.38	9.43
55	6.37	6.42	6.45	6.58	6.64	6.71	6.77	6.97	7.21	7.44	7.53	7.66	7.78	7.96	8.00	7.94	7.95	7.98	8.04
60	5.02	5.10	5.21	5.28	5.40	5.52	5.70	5.78	5.88	6.06	6.14	6.28	6.44	6.60	6.59	6.52	6.56	6.59	6.67
65	3.79	3.90	3.92	4.02	4.23	4.35	4.47	4.55	4.59	4.72	4.88	5.00	5.17	5.26	5.26	5.20	5.21	5.22	5.28
70	2.80	2.82	2.86	3.07	3.17	3.25	3.26	3.47	3.57	3.71	3.83	3.89	3.94	3.94	3.93	3.87	3.86	3.86	3.90
75	1.87	1.93	2.04	2.18	2.24	2.39	2.49	2.63	2.66	2.75	2.78	2.84	2.86	2.88	2.91	2.88	2.89	2.89	2.91
80	1.09	1.18	1.29	1.45	1.57	1.62	1.66	1.72	1.72	1.78	1.80	1.82	1.84	1.86	1.90	1.88	1.92	1.93	1.96
85	0.57	0.74	0.78	0.82	0.84	0.71	0.58	0.49	0.39	0.31	0.24	0.17	0.11	0.06	0.03	0.01	0.00	0.01	0.03
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:30DEG  
Operators:  
Test Date:2014-10-23

g Range: 0 - 90DEG  
g Interval: 0.5DEG  
Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:13.450m [K=1.0000]  
Remarks: EMERGE

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:20141023-2
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

g (DEG) \ C (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	472	472	472	472	472	472	472	472	472	472	472	472	472	472	472				
5	400	400	401	402	403	405	408	411	415	419	424	430	435	442	448				
10	323	322	322	322	321	321	322	323	325	329	334	340	347	356	366				
15	207	208	209	210	211	213	214	214	214	215	216	219	225	233	244				
20	90.4	95.2	101	106	110	112	112	109	107	105	106	108	110	114	119				
25	50.7	49.6	48.3	46.5	44.6	44.2	48.3	49.9	50.7	50.5	50.3	50.7	51.3	52.6	54.7				
30	24.3	25.6	26.6	26.8	26.4	25.3	24.1	23.1	24.4	25.3	25.2	25.1	25.1	25.3	25.9				
35	16.5	16.3	15.8	15.2	14.8	15.5	15.6	15.5	15.0	14.8	15.2	15.2	15.0	14.9	14.9				
40	12.7	12.7	12.6	12.4	12.0	11.7	11.5	11.6	11.6	11.4	11.4	11.2	11.2	11.1	10.9				
45	10.8	10.6	10.5	10.3	9.98	9.84	9.71	9.68	9.36	9.27	9.33	9.18	8.99	8.94	8.74				
50	9.44	9.31	9.13	8.92	8.66	8.40	8.25	8.06	7.94	7.82	7.62	7.69	7.57	7.51	7.42				
55	8.03	7.92	7.82	7.65	7.50	7.25	7.05	6.90	6.96	6.71	6.58	6.52	6.59	6.38	6.29				
60	6.64	6.55	6.41	6.30	6.17	6.03	5.96	5.69	5.71	5.61	5.46	5.33	5.26	5.15	5.01				
65	5.23	5.19	5.07	4.99	4.92	4.84	4.72	4.52	4.40	4.26	4.16	3.99	3.87	3.91	3.75				
70	3.85	3.84	3.80	3.79	3.76	3.69	3.62	3.48	3.41	3.22	3.03	2.95	2.85	2.79	2.71				
75	2.88	2.88	2.82	2.77	2.74	2.64	2.67	2.56	2.52	2.46	2.37	2.12	2.02	1.87	1.80				
80	1.99	2.02	1.98	1.94	1.92	1.86	1.86	1.79	1.72	1.56	1.52	1.43	1.29	1.14	1.00				
85	0.07	0.12	0.19	0.26	0.36	0.46	0.58	0.71	0.86	1.04	0.99	0.90	0.77	0.70	0.51				
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:30DEG  
 Operators:  
 Test Date:2014-10-23

g Range: 0 - 90DEG  
 g Interval: 0.5DEG  
 Test System:EVERFINE GO-2000H\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:13.450m [K=1.0000]  
 Remarks: EMERGE