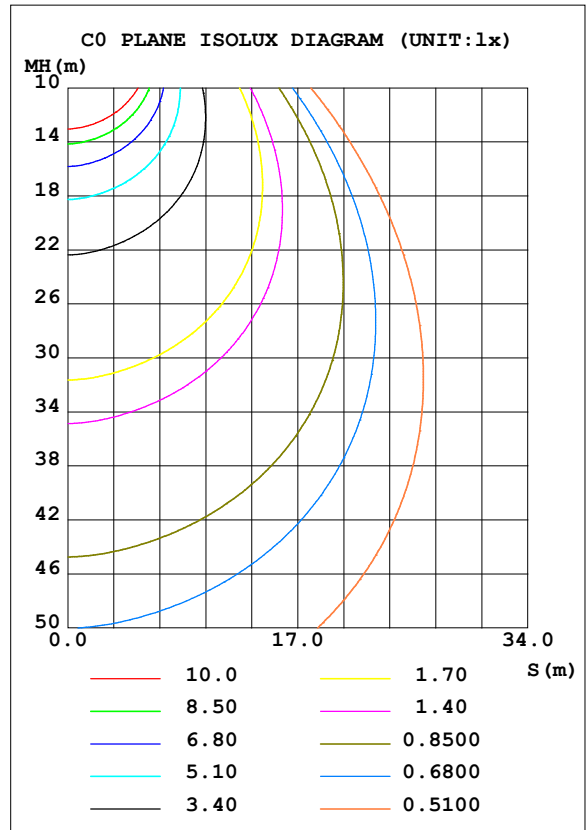
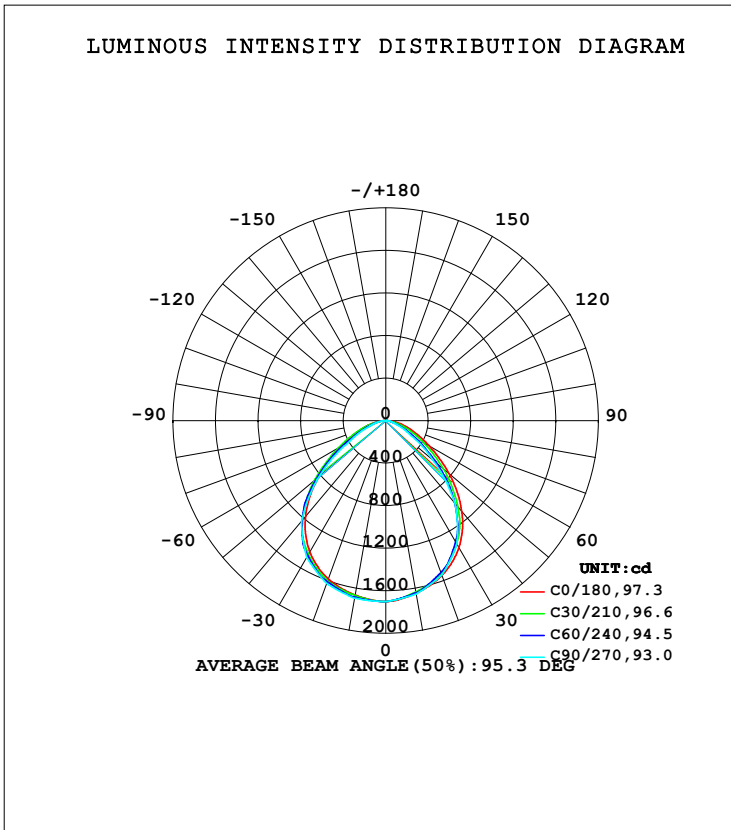


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.78 lm/W			
MODEL	LEXS-L1-V1-5-V110-D	I _{max} (cd)	1702	S/MH (C0/180)	1.24
NOMINAL POWER (W)	40	LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	3800.6	η UP, DN (C0-180)	0.0, 46.8
NOMINAL FLUX (lm)	3800.62	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)	120	η down (%)	100.0	CIBSE SHR MAX	1.35



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [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	1648	1637	1655	1648	1664	1676	1695	1665	0- 10	160.0	160.0	4.21,4.21
20	1548	1517	1543	1542	1583	1602	1629	1579	10- 20	457.0	617.0	16.2,16.2
30	1377	1325	1338	1363	1428	1465	1486	1430	20- 30	686.5	1304	34.3,34.3
40	1113	1037	1012	1076	1174	1232	1233	1191	30- 40	794.7	2098	55.2,55.2
50	779.9	670.2	579.5	699.4	827.1	879.1	820.0	841.6	40- 50	730.5	2829	74.4,74.4
60	465.9	360.1	262.8	373.2	485.7	497.3	395.5	481.8	50- 60	519.6	3348	88.1,88.1
70	254.2	158.3	104.5	160.7	255.8	228.5	167.2	227.5	60- 70	295.2	3644	95.9,95.9
80	105.1	40.96	37.47	39.43	97.04	71.32	63.20	74.06	70- 80	133.2	3777	99.4,99.4
90	1.022	0	0	0	0.7996	0	0	0	80- 90	23.71	3801	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:cd									UNIT:lm		

Conical surface Flux(90deg): 2483.4 lm

%lum = 65.3%

%lamp = 65.3%

Conical surface Flux(120deg): 3348.4 lm

%lum = 88.1%

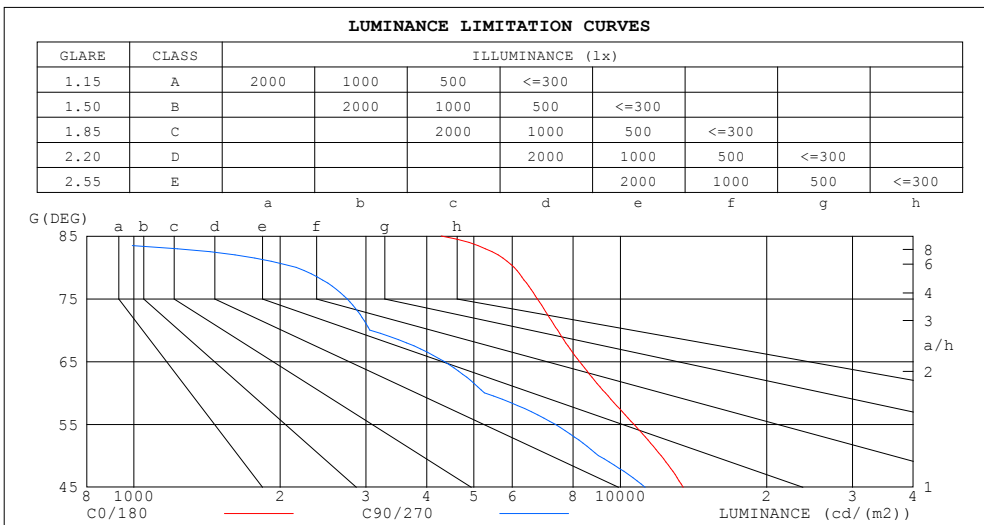
%lamp = 88.1%

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4285	0
80	6051	2158
75	6753	2743
70	7432	3056
65	8244	4346
60	9319	5257
55	10659	7343
50	12134	9016
45	13461	11250

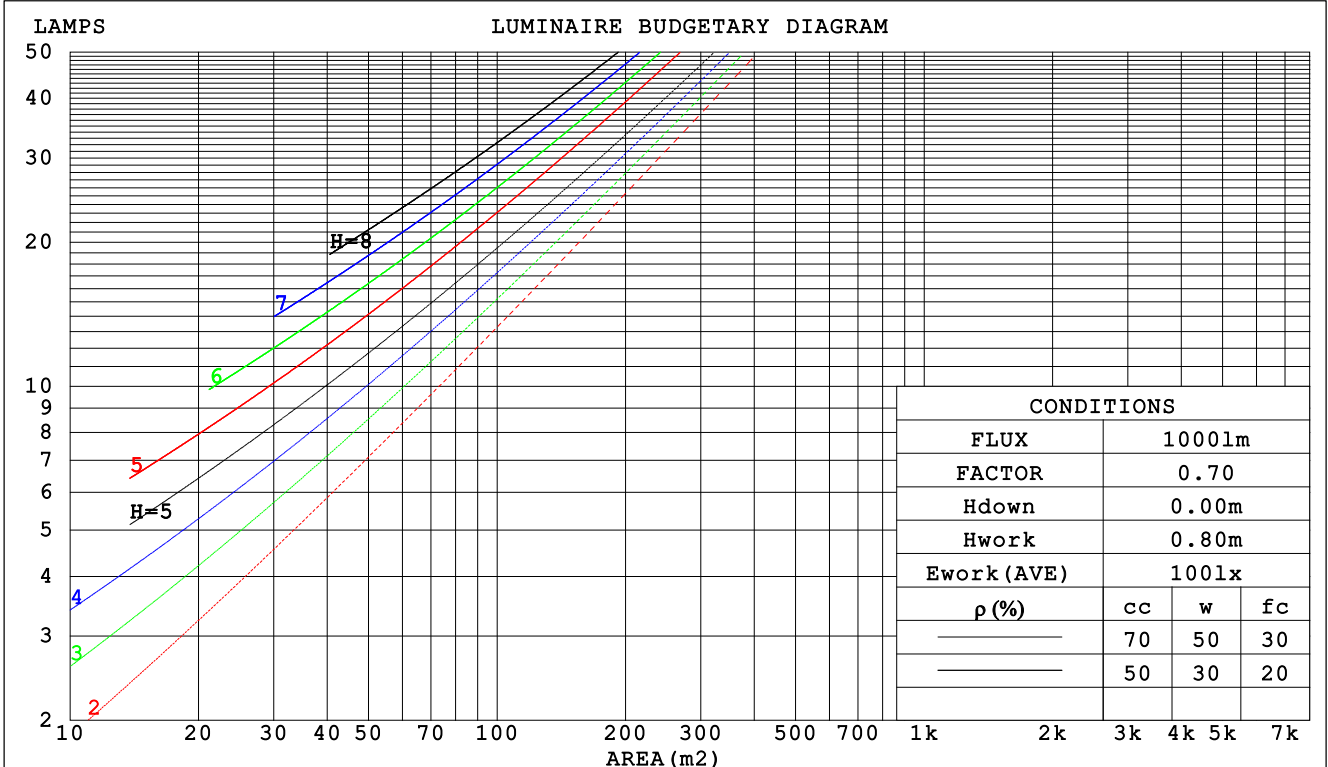
H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

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	1.00
1.0	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.93	.91	.89	.87
2.0	.94	.89	.83	.93	.87	.83	.89	.85	.81	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.83	.76	.71	.80	.74	.69	.77	.72	.68	.75	.71	.67	.65
4.0	.76	.68	.61	.74	.67	.61	.72	.65	.60	.70	.64	.59	.67	.63	.59	.57
5.0	.68	.60	.54	.67	.59	.53	.65	.58	.53	.63	.57	.52	.61	.56	.52	.50
6.0	.62	.53	.48	.61	.53	.47	.59	.52	.47	.57	.51	.47	.56	.50	.46	.44
7.0	.56	.48	.42	.56	.48	.42	.54	.47	.42	.53	.46	.42	.51	.46	.41	.40
8.0	.52	.44	.38	.51	.43	.38	.50	.43	.38	.48	.42	.38	.47	.42	.37	.36
9.0	.48	.40	.35	.47	.40	.34	.46	.39	.34	.45	.39	.34	.44	.38	.34	.32
10.0	.44	.36	.31	.43	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.31	.29



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

ρcc	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	.262	.149	.047	.255	.146	.046	.242	.139	.044	.230	.133	.043	.219	.127	.041	
2.0	.253	.139	.043	.247	.136	.042	.236	.131	.041	.225	.126	.040	.216	.122	.038	
3.0	.239	.127	.038	.234	.125	.038	.224	.121	.037	.214	.117	.036	.206	.114	.035	
4.0	.224	.116	.034	.219	.115	.034	.210	.112	.033	.202	.109	.033	.195	.106	.032	
5.0	.210	.107	.031	.206	.106	.031	.198	.103	.030	.190	.101	.030	.184	.098	.029	
6.0	.197	.099	.028	.193	.097	.028	.186	.095	.028	.179	.093	.027	.173	.091	.027	
7.0	.185	.091	.026	.181	.090	.026	.175	.089	.026	.169	.087	.025	.164	.085	.025	
8.0	.174	.085	.024	.171	.084	.024	.165	.083	.024	.160	.081	.023	.155	.080	.023	
9.0	.164	.079	.022	.161	.079	.022	.156	.077	.022	.152	.076	.022	.147	.075	.022	
10.0	.155	.074	.021	.153	.074	.021	.148	.073	.020	.144	.071	.020	.140	.070	.020	

ρcc	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						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.138	.151	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.167	.132	.103	.143	.114	.089	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.158	.114	.079	.136	.098	.068	.093	.068	.048	.054	.040	.028	.017	.013	.009	
4.0	.151	.100	.062	.129	.087	.054	.089	.060	.038	.051	.035	.022	.017	.012	.007	
5.0	.143	.090	.050	.123	.078	.044	.085	.054	.031	.049	.032	.018	.016	.010	.006	
6.0	.136	.081	.042	.117	.070	.036	.081	.049	.026	.047	.029	.015	.015	.009	.005	
7.0	.130	.074	.035	.112	.064	.031	.077	.045	.022	.045	.027	.013	.015	.009	.004	
8.0	.124	.068	.030	.107	.059	.026	.074	.042	.019	.043	.025	.011	.014	.008	.004	
9.0	.118	.063	.026	.102	.055	.023	.071	.039	.016	.041	.023	.010	.013	.008	.003	
10.0	.113	.059	.023	.097	.051	.020	.068	.036	.014	.039	.021	.009	.013	.007	.003	

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm										
NAME: LED Explosion-proof Flood Light					TYPE:Floodlight			WEIGHT:N/A		
SPEC.:40W					DIM.: N/A			SERIAL No.:N/A		
MFR.: LDPI Inc.,Ltd					SUR.:N/A			Shielding Angle:N/A		
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	15.7	17.1	16.0	17.3	17.5	14.2	15.5	14.4	15.7	15.9
3H	16.7	18.0	17.0	18.2	18.5	14.5	15.7	14.8	16.0	16.2
4H	17.1	18.3	17.4	18.6	18.8	14.6	15.8	14.9	16.0	16.3
6H	17.5	18.6	17.8	18.8	19.1	14.6	15.7	14.9	16.0	16.3
8H	17.5	18.6	17.9	18.9	19.2	14.6	15.7	14.9	15.9	16.2
12H	17.6	18.6	17.9	18.9	19.2	14.5	15.6	14.9	15.9	16.2
4H 2H	15.9	17.1	16.2	17.3	17.6	14.5	15.7	14.8	16.0	16.2
3H	17.0	18.1	17.4	18.4	18.7	15.0	16.0	15.3	16.3	16.6
4H	17.6	18.5	17.9	18.8	19.2	15.1	16.1	15.5	16.4	16.7
6H	18.0	18.8	18.4	19.2	19.5	15.2	16.0	15.6	16.4	16.7
8H	18.1	18.9	18.5	19.3	19.7	15.2	16.0	15.6	16.3	16.7
12H	18.2	18.9	18.6	19.3	19.7	15.2	15.9	15.6	16.3	16.7
8H 4H	17.5	18.3	17.9	18.7	19.0	15.2	16.0	15.6	16.3	16.7
6H	18.0	18.6	18.4	19.0	19.5	15.4	16.0	15.8	16.4	16.8
8H	18.2	18.7	18.6	19.2	19.6	15.4	15.9	15.8	16.4	16.8
12H	18.3	18.8	18.8	19.2	19.7	15.3	15.8	15.8	16.3	16.7
12H 4H	17.5	18.2	17.9	18.6	19.0	15.2	15.9	15.6	16.3	16.7
6H	18.0	18.5	18.4	19.0	19.4	15.4	15.9	15.8	16.3	16.8
8H	18.2	18.6	18.6	19.1	19.6	15.4	15.9	15.9	16.3	16.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.6 / - 0.8				
1.5H	+ 0.2 / - 0.3					+ 0.3 / - 0.5				
2.0H	+ 0.7 / - 0.7					+ 1.4 / - 1.6				

CIE Pub.117, 3801 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.6$)

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

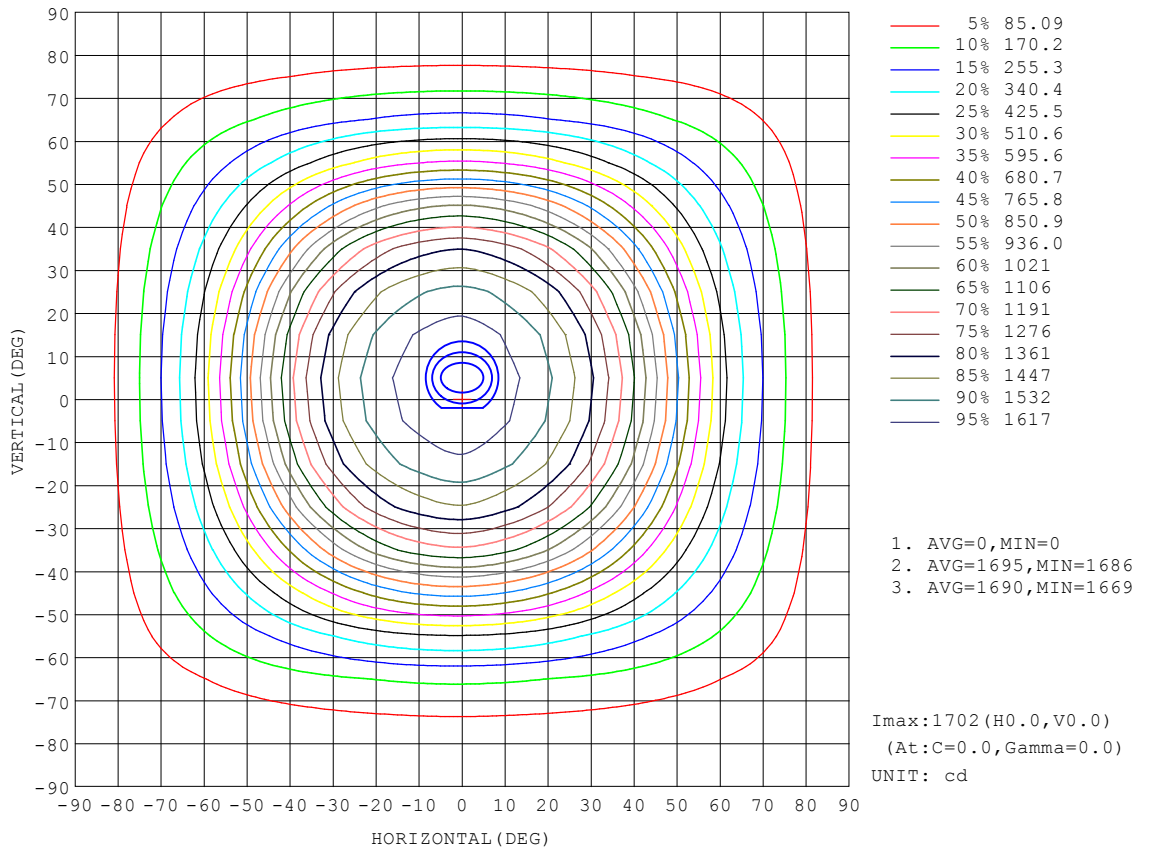
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	63	53	46	63	53	46	62	52	46	40
0.80	74	63	57	73	63	57	71	62	56	50
1.00	82	72	66	81	72	65	79	73	65	59
1.25	89	80	73	87	79	73	85	77	72	66
1.50	93	85	79	92	84	78	89	82	77	71
2.00	99	92	87	97	91	86	94	89	84	77
2.50	102	96	91	100	95	90	97	92	88	80
3.00	105	100	95	103	98	94	99	95	92	84
4.00	109	104	100	106	102	99	102	99	96	88
5.00	111	107	103	108	105	102	104	101	98	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A



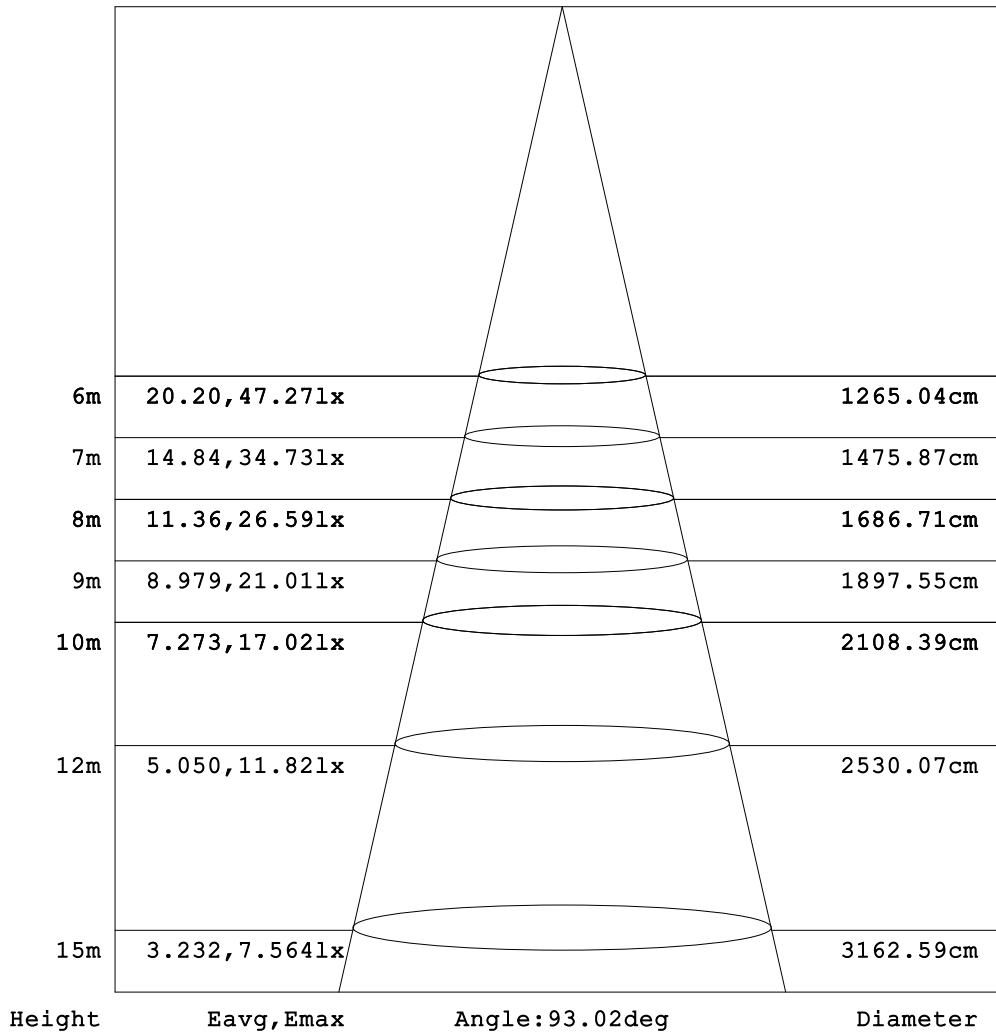
H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

Flux out:2627 lm



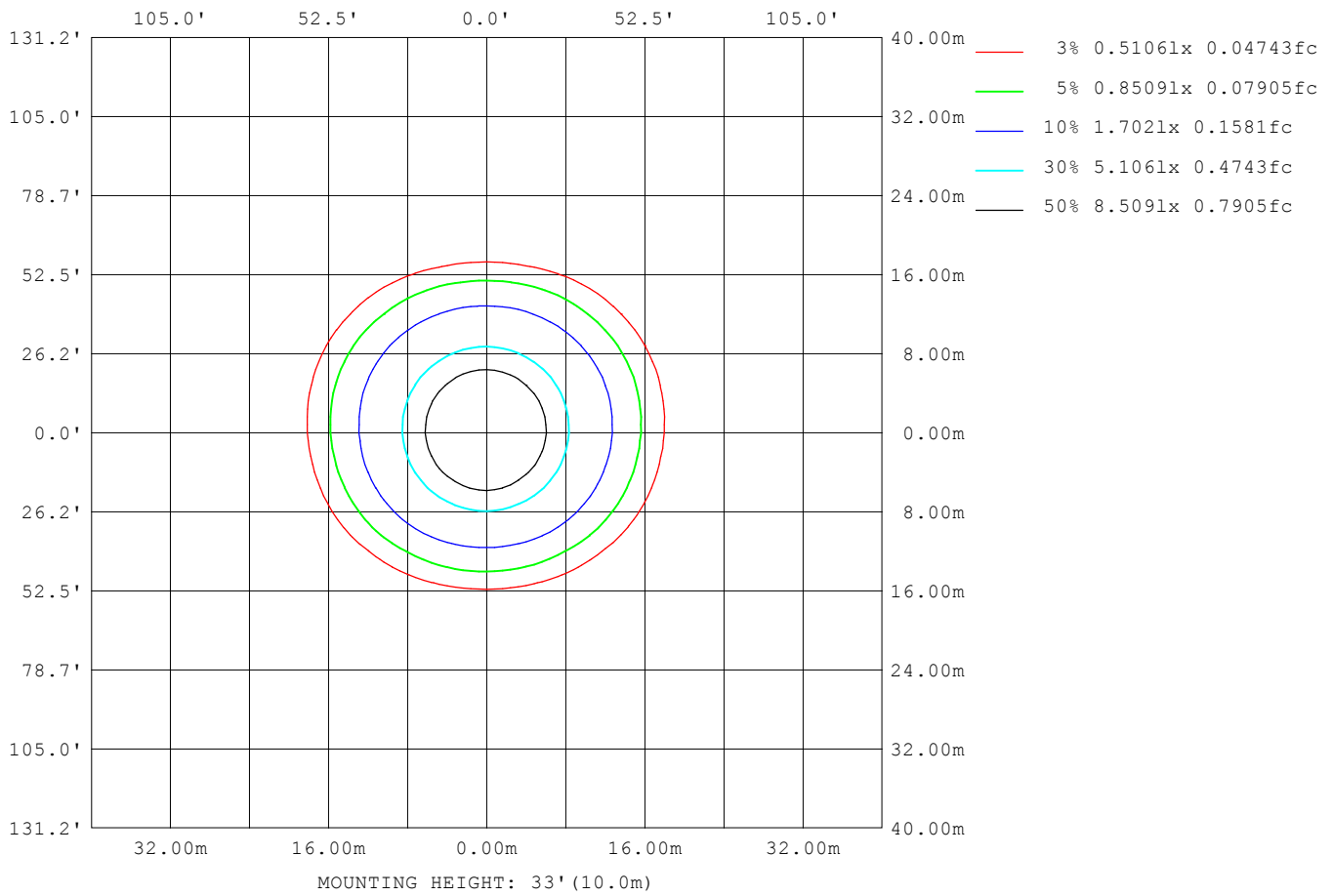
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:120.16V I:0.3375A P:40.098W PF:0.9888 Freq:59.98Hz Lamp Flux:3800.62x1 lm		
NAME: LED Explosion-proof Flood Light	TYPE:Floodlight	WEIGHT:N/A
SPEC.:40W	DIM.: N/A	SERIAL No.:N/A
MFR.: LDPI Inc.,Ltd	SUR.:N/A	Shielding Angle:N/A

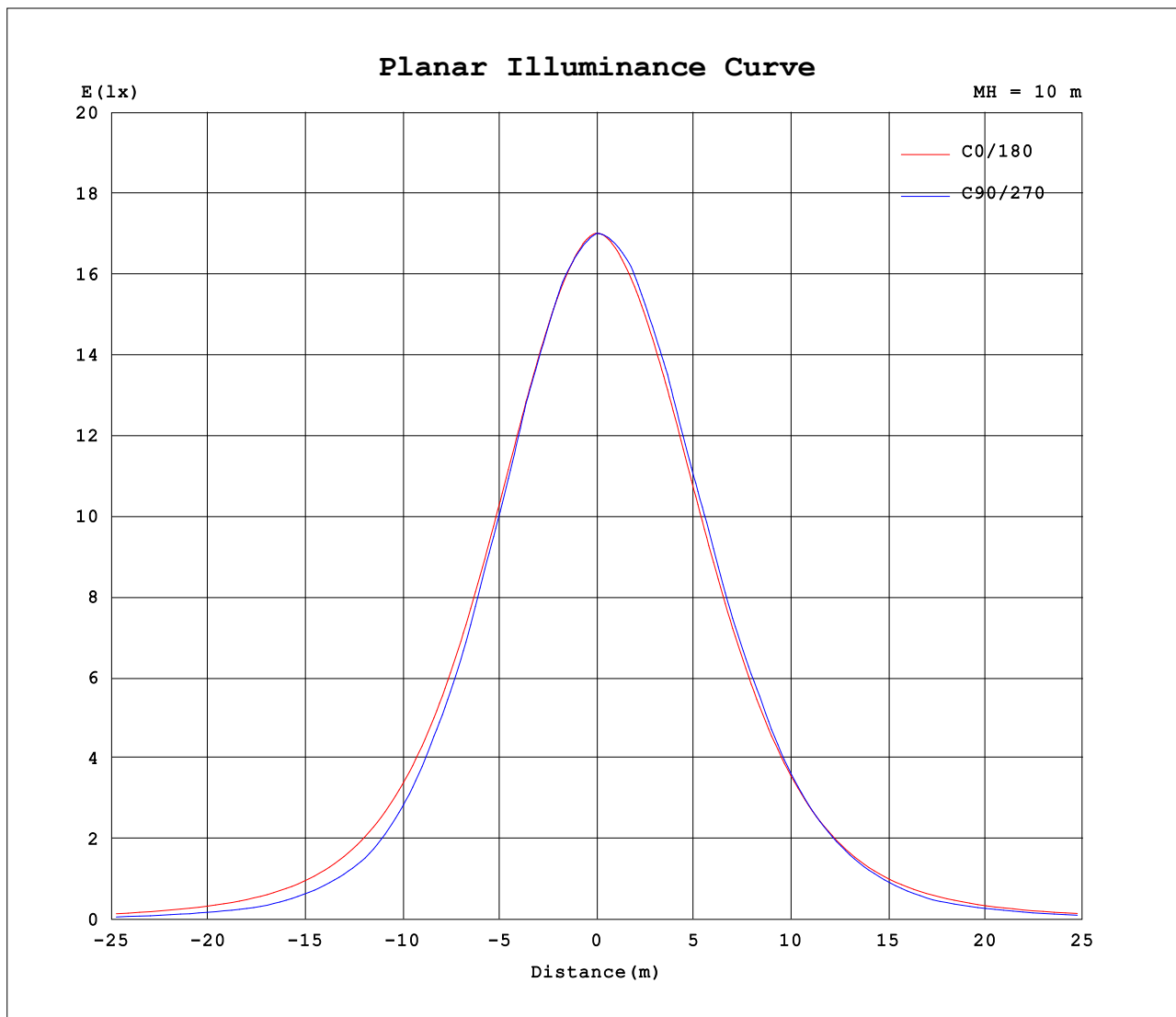
AvgL	cd/m2
L_0~180 (65) av	8354
L_0~180 (75) av	6685
L_0~180 (85) av	3996
L_90~270 (65) av	5502
L_90~270 (75) av	3597
L_90~270 (85) av	0
L_45 (65) av	7091
L_45 (75) av	4112
L_45 (85) av	1419

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:CL
Test Date:07 December 2018

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
Humidity:65.0%
Test Distance:6.010m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:CL
 Test Date:07 December 2018

V(B) Range:-80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:6.010m [K=1.0000]
 Remarks:

