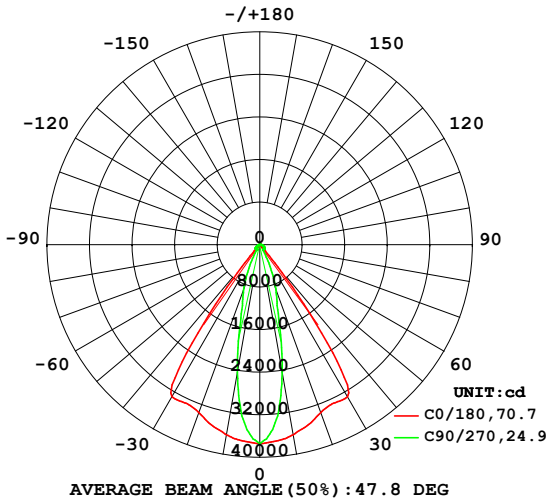
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.8076A P:179.4W PF:0.9662 Lamp Flux:21939.2x1 lm		
NAME: LHB01-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 0.718*0.275*0.102	SERIAL No.:
MFR.:	SUR.:0.255*0.69	Shielding Angle:

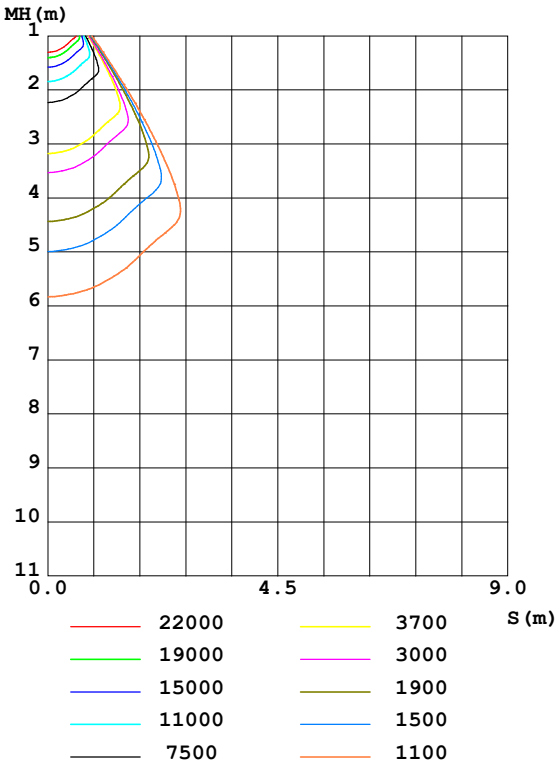
DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.30 lm/W			
MODEL	LHB01-180	Imax(cd)	37411	S/MH(C0/180)	1.02
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	21939	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	21939.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):47.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [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
5	3704	3505	3361	3505	3704	3505	3361	3505	0- 5	863.2	863.2	3.93,3.93
10	3628	2993	2445	2993	3628	2993	2445	2993	5- 10	2331	3194	14.6,14.6
15	3512	2209	1349	2209	3512	2209	1349	2209	10- 15	3132	6326	28.8,28.8
20	3360	1339	883.2	1339	3360	1339	883.2	1339	15- 20	3319	9646	44,44
25	3290	910.0	497.2	910.0	3290	910.0	497.2	910.0	20- 25	3297	12942	59,59
30	3301	623.8	111.3	623.8	3301	623.8	111.3	623.8	25- 30	3108	16050	73.2,73.2
35	2029	347.3	113.1	347.3	2029	347.3	113.1	347.3	30- 35	2605	18656	85,85
40	355.2	106.2	114.8	106.2	355.2	106.2	114.8	106.2	35- 40	1337	19992	91.1,91.1
45	60.47	83.70	116.5	83.70	60.47	83.70	116.5	83.70	40- 45	454.2	20447	93.2,93.2
50	49.68	63.25	118.2	63.25	49.68	63.25	118.2	63.25	45- 50	289.4	20736	94.5,94.5
55	42.91	51.51	100.2	51.51	42.91	51.51	100.2	51.51	50- 55	261.9	20998	95.7,95.7
60	37.97	45.27	82.25	45.27	37.97	45.27	82.25	45.27	55- 60	236.7	21235	96.8,96.8
65	32.95	36.40	64.25	36.40	32.95	36.40	64.25	36.40	60- 65	212.1	21447	97.8,97.8
70	27.09	27.64	46.25	27.64	27.09	27.64	46.25	27.64	65- 70	180.2	21627	98.6,98.6
75	19.89	18.80	34.91	18.80	19.89	18.80	34.91	18.80	70- 75	139.2	21766	99.2,99.2
80	9.231	12.53	23.57	12.53	9.231	12.53	23.57	12.53	75- 80	95.62	21862	99.6,99.6
85	2.372	6.677	12.23	6.677	2.372	6.677	12.23	6.677	80- 85	56.38	21918	99.9,99.9
90	0.1793	0.8569	0.8895	0.8569	0.1793	0.8569	0.8895	0.8569	85- 90	21.04	21939	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:×10cd									UNIT:lm		

Conical surface Flux(90deg): 20447 lm

%lum = 93.2%
%lamp = 93.2%

Conical surface Flux(120deg): 21235 lm

%lum = 96.8%
%lamp = 96.8%

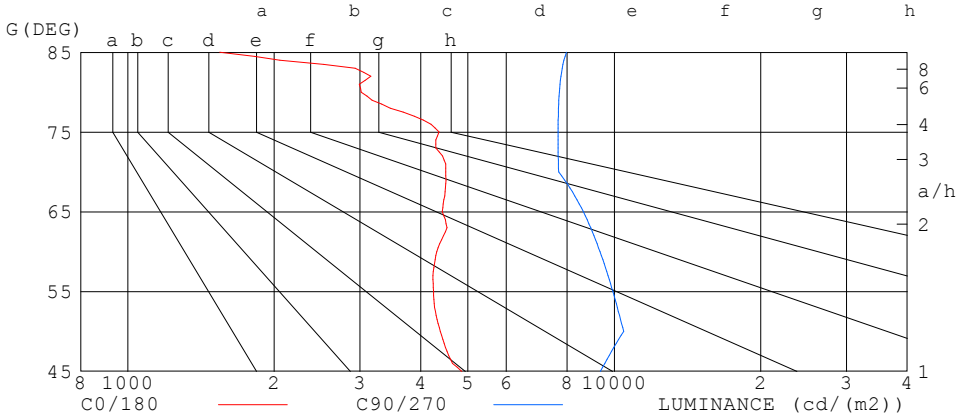
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1546	7972
80	3021	7711
75	4366	7663
70	4501	7683
65	4430	8638
60	4315	9346
55	4250	9931
50	4391	10452
45	4859	9363

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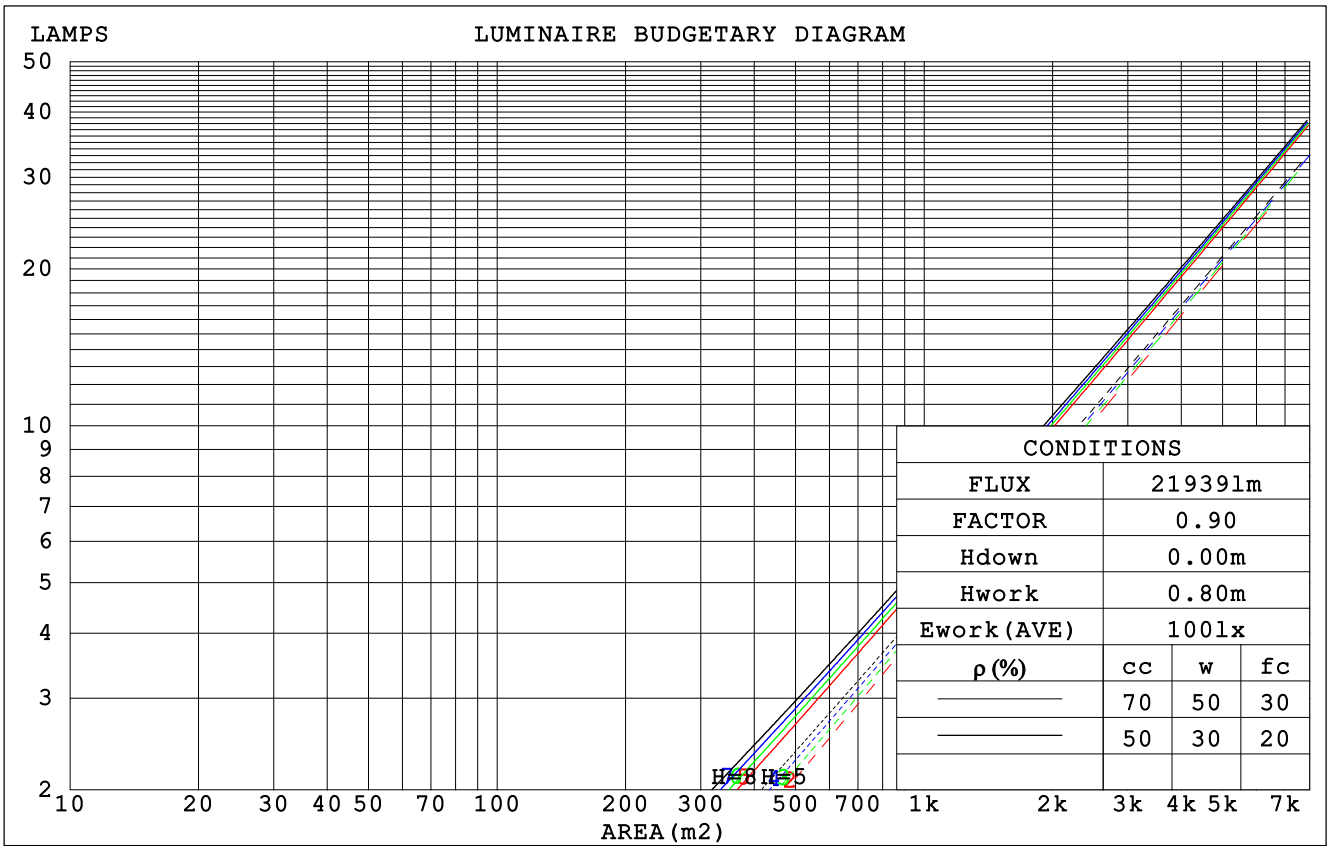
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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			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	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.03	.99	.95	1.01	.97	.94	.98	.95	.92	.95	.92	.90	.92	.90	.88	.86
3.0	.96	.91	.87	.94	.90	.86	.92	.88	.85	.89	.86	.83	.87	.84	.82	.81
4.0	.90	.84	.80	.89	.84	.80	.86	.82	.79	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.79	.74	.83	.78	.74	.82	.77	.73	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.69	.79	.73	.69	.77	.72	.69	.76	.72	.68	.75	.71	.68	.66
7.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.68	.64	.71	.67	.64	.63
8.0	.71	.65	.61	.71	.65	.61	.70	.65	.61	.68	.64	.61	.68	.63	.60	.59
9.0	.68	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.57	.64	.60	.57	.56
10.0	.64	.59	.55	.64	.58	.55	.63	.58	.55	.62	.58	.55	.62	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

WEC AND CCEC

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 Coeffcients(WEC)									
0.0																
1.0	.185	.105	.033	.178	.101	.032	.165	.095	.030	.154	.089	.028	.143	.083	.027	
2.0	.175	.096	.029	.169	.093	.029	.158	.088	.027	.148	.083	.026	.139	.079	.025	
3.0	.165	.088	.026	.160	.086	.026	.151	.082	.025	.142	.078	.024	.134	.074	.023	
4.0	.155	.081	.024	.151	.079	.023	.143	.076	.023	.136	.073	.022	.129	.070	.021	
5.0	.147	.075	.022	.143	.074	.021	.137	.071	.021	.130	.069	.020	.124	.066	.020	
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	.120	.063	.019	
7.0	.133	.066	.019	.130	.065	.018	.125	.063	.018	.120	.061	.018	.115	.060	.018	
8.0	.126	.062	.017	.124	.061	.017	.119	.060	.017	.115	.058	.017	.111	.057	.017	
9.0	.121	.058	.016	.119	.058	.016	.114	.057	.016	.110	.055	.016	.107	.054	.016	
10.0	.116	.055	.015	.114	.055	.015	.110	.054	.015	.106	.053	.015	.103	.052	.015	

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	.172	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.157	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.124	.098	.077	.085	.068	.054	.049	.040	.032	.016	.013	.010	
4.0	.134	.099	.072	.115	.085	.063	.079	.060	.044	.046	.035	.026	.015	.011	.009	
5.0	.125	.087	.060	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.110	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.082	.047	.024	.057	.033	.017	.033	.020	.010	.011	.006	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

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	22.3	23.2	22.5	23.4	23.6	13.7	14.6	13.9	14.8	14.9
	3H	22.2	23.1	22.5	23.3	23.5	15.4	16.3	15.7	16.5	16.7
	4H	22.2	23.0	22.4	23.2	23.4	16.2	17.1	16.5	17.3	17.5
	6H	22.1	22.9	22.4	23.1	23.4	17.0	17.8	17.3	18.0	18.2
	8H	22.1	22.8	22.4	23.1	23.3	17.3	18.0	17.6	18.3	18.6
	12H	22.0	22.8	22.4	23.0	23.3	17.5	18.3	17.9	18.5	18.8
4H	2H	22.1	22.9	22.4	23.1	23.4	14.0	14.8	14.3	15.0	15.2
	3H	22.1	22.8	22.4	23.1	23.3	15.8	16.5	16.2	16.8	17.1
	4H	22.1	22.7	22.4	23.0	23.3	16.7	17.4	17.1	17.7	18.0
	6H	22.0	22.6	22.4	22.9	23.3	17.6	18.2	18.0	18.5	18.9
	8H	22.0	22.5	22.4	22.9	23.2	18.0	18.5	18.4	18.9	19.2
	12H	21.9	22.4	22.4	22.8	23.2	18.3	18.8	18.7	19.2	19.6
8H	4H	22.0	22.5	22.4	22.9	23.2	16.9	17.4	17.3	17.8	18.1
	6H	22.0	22.4	22.4	22.8	23.2	17.8	18.3	18.3	18.7	19.1
	8H	22.0	22.3	22.4	22.8	23.2	18.3	18.7	18.7	19.1	19.5
	12H	21.9	22.3	22.4	22.7	23.2	18.7	19.1	19.2	19.5	20.0
12H	4H	21.9	22.4	22.3	22.8	23.2	16.9	17.4	17.3	17.7	18.1
	6H	21.9	22.3	22.4	22.7	23.2	17.9	18.2	18.3	18.7	19.1
	8H	21.9	22.3	22.4	22.7	23.2	18.3	18.7	18.8	19.1	19.6
Variations with the observer position at spacings:											
S = 1.0H		+ 4.8 / - 4.3					+ 0.1 / - 0.2				
1.5H		+ 7.5 / - 4.4					+ 0.7 / - 0.4				
2.0H		+ 0.2 / - 0.2					+ 1.2 / - 0.9				

CIE Pub.117 Corrected 21939 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.7)

C Range: 0 - 360DEG
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Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

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) x RCR = 5									
k = 0.60	86	80	76	86	79	76	85	79	75	72
0.80	94	87	84	93	87	83	92	86	83	79
1.00	98	92	88	97	92	88	95	92	87	83
1.25	102	97	93	101	96	92	99	95	92	87
1.50	105	100	96	104	99	96	101	97	95	90
2.00	108	103	100	106	102	99	103	100	97	92
2.50	109	105	102	108	104	101	105	102	99	93
3.00	111	107	105	109	106	103	106	103	101	95
4.00	113	110	108	111	109	107	108	106	104	97
5.00	115	112	110	112	110	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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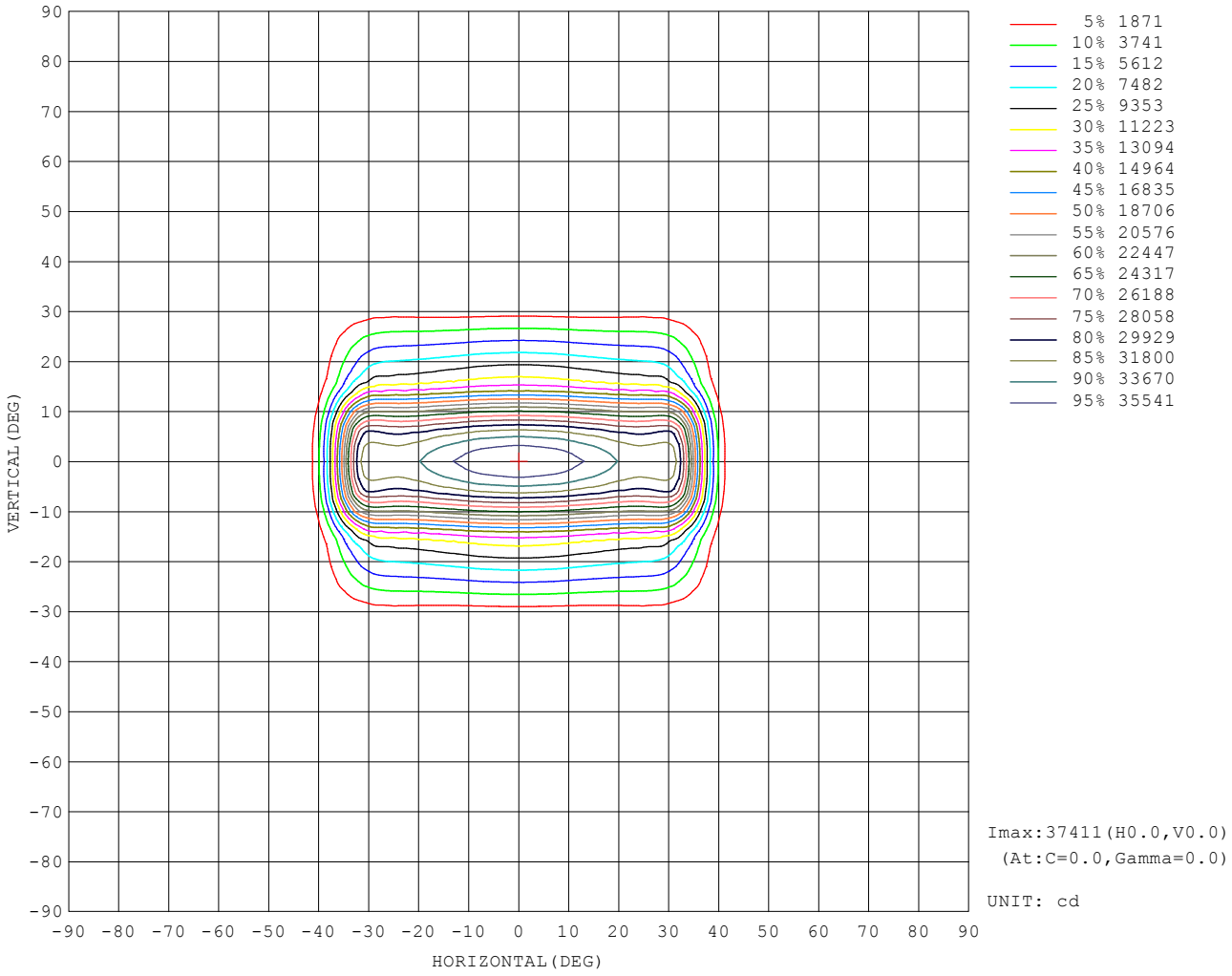
Remarks:

ISOCANDELA DIAGRAM



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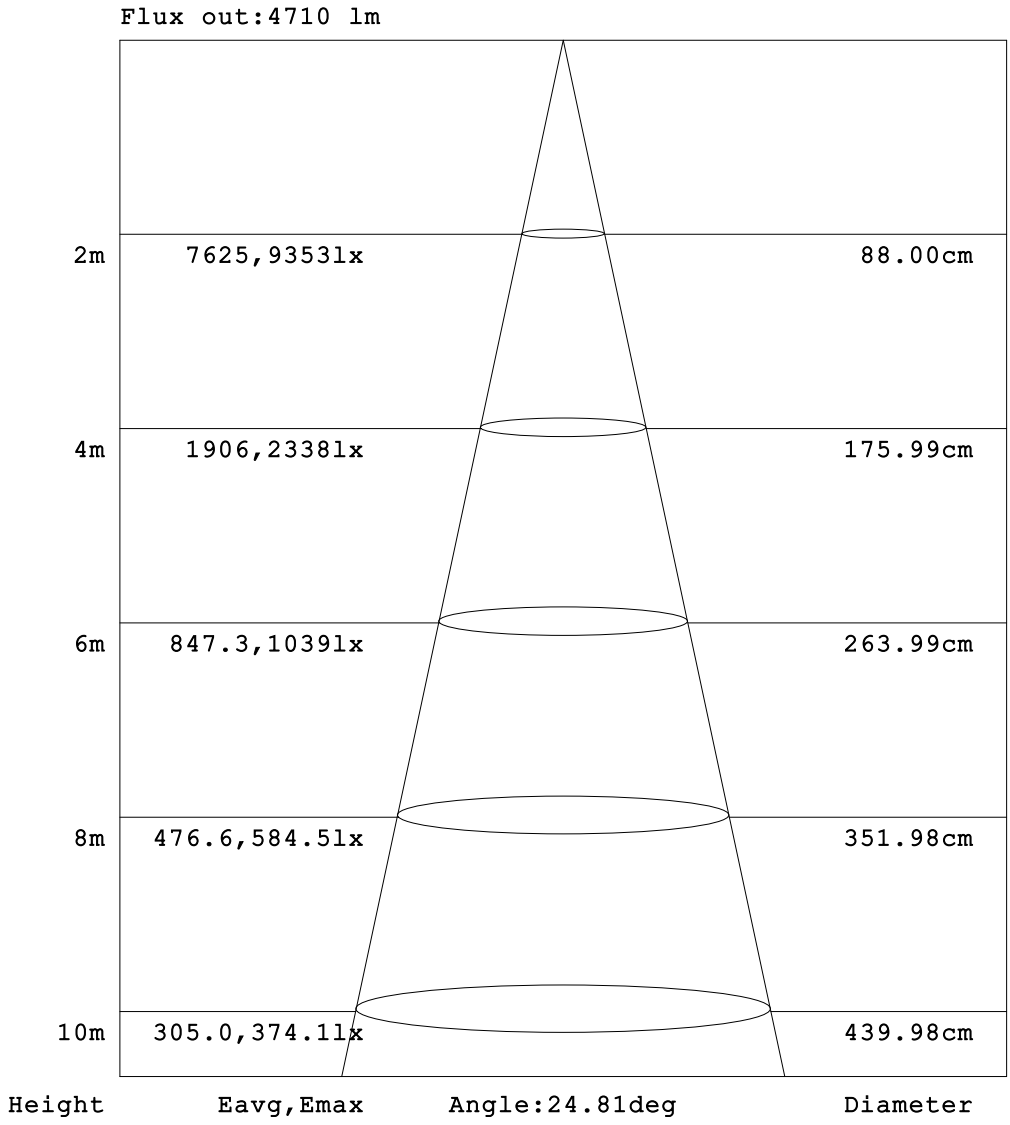
AAI Figure



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

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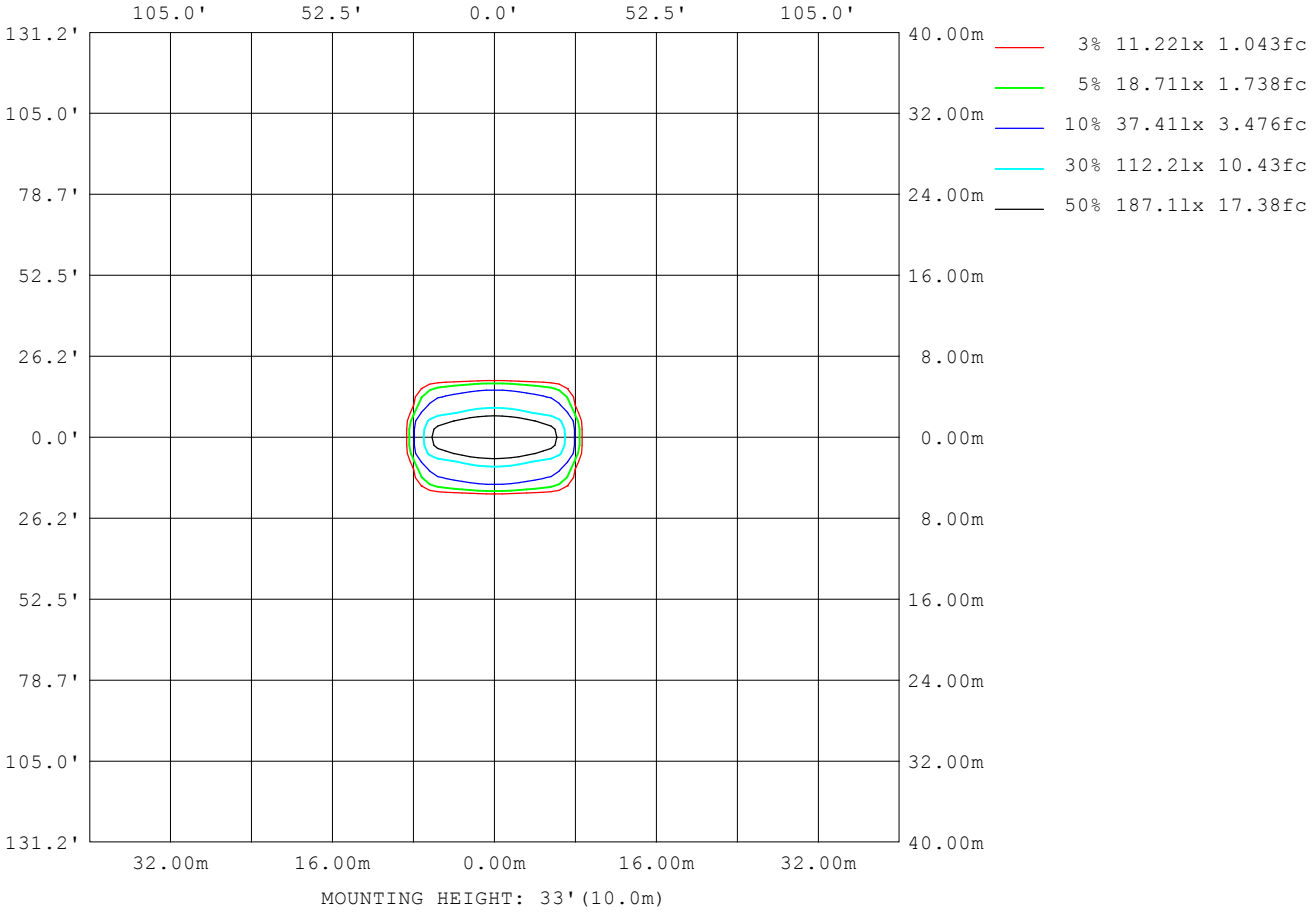
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:229.9V I:0.8076A P:179.4W PF:0.9662 Lamp Flux:21939.2x1 lm		
NAME: LHB01-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 0.718*0.275*0.102	SERIAL No.:
MFR.:	SUR.:0.255*0.69	Shielding Angle:

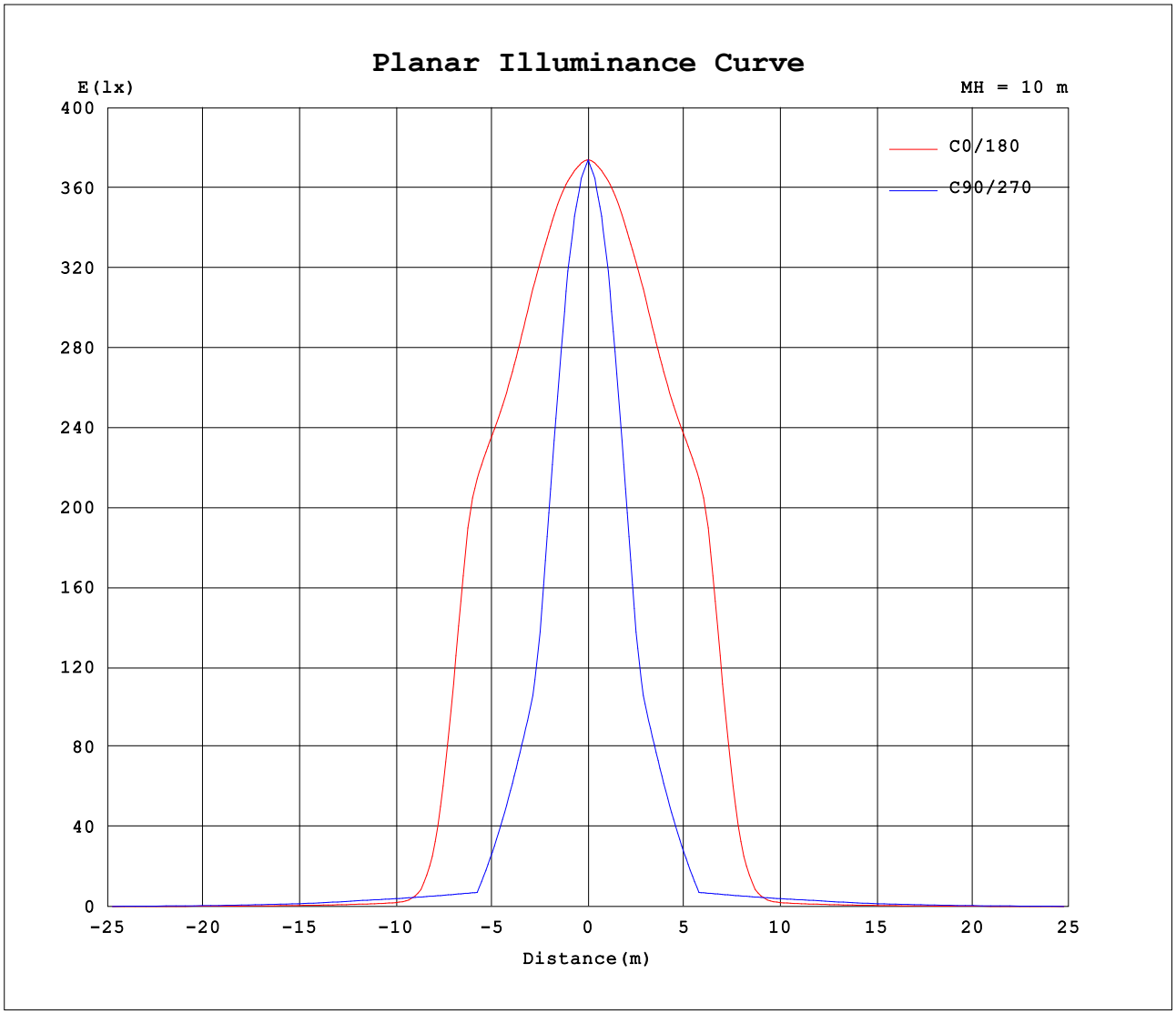
AvgL	cd/m2
L_0~180(65)av	4430
L_0~180(75)av	4366
L_0~180(85)av	1546
L_90~270(65)av	8638
L_90~270(75)av	7663
L_90~270(85)av	7972
L_45(65)av	4894
L_45(75)av	4127
L_45(85)av	4353

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--1 UNIT: ×10cd

C(DEG) / γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741
5	3704	3686	3668	3651	3635	3615	3585	3556	3530	3505	3483	3459	3433	3411	3392	3379	3369	3362	3361
10	3628	3595	3563	3509	3448	3381	3295	3213	3106	2993	2890	2793	2702	2623	2558	2507	2472	2452	2445
15	3512	3466	3399	3311	3180	3020	2819	2612	2411	2209	2020	1850	1698	1567	1470	1416	1378	1356	1349
20	3360	3312	3212	3063	2824	2529	2218	1893	1586	1339	1176	1082	1031	987	950	920	898	886	883
25	3290	3229	3087	2817	2417	1973	1528	1191	1003	910	826	749	682	626	580	544	517	502	497
30	3301	3237	3049	2576	1976	1368	998	863	739	624	519	427	344	273	214	169	137	118	111
35	2029	2028	1954	1616	1108	812	734	614	478	347	227	116	99.1	95.9	95.8	99.7	106	111	113
40	355	364	385	351	287	340	353	305	198	106	104	97.7	91.3	87.8	87.6	92.9	103	111	115
45	60.5	60.8	60.7	61.2	69.2	85.8	101	67.7	73.3	83.7	88.2	86.4	81.7	78.5	78.5	84.8	98.1	111	117
50	49.7	49.3	49.1	49.1	49.4	50.3	51.0	52.6	56.0	63.2	69.7	71.2	69.3	67.9	68.9	75.8	92.7	110	118
55	42.9	42.7	42.3	42.1	42.5	43.7	45.8	47.5	48.9	51.5	54.6	55.3	55.7	57.1	59.0	64.3	78.4	93.6	100
60	38.0	37.4	36.4	35.8	36.8	40.6	41.9	43.7	44.8	45.3	45.0	45.5	46.6	48.0	49.7	53.3	64.5	76.9	82.2
65	33.0	31.9	30.1	29.4	32.9	40.9	42.4	39.9	38.0	36.4	36.2	36.7	37.8	39.0	40.7	43.2	51.6	60.7	64.2
70	27.1	25.1	23.0	23.3	26.3	34.5	39.6	31.7	28.9	27.6	27.4	28.1	29.1	30.3	31.8	33.7	39.5	44.8	46.2
75	19.9	17.4	15.6	15.3	19.3	21.8	25.5	23.0	19.8	18.8	19.0	20.2	21.3	22.4	23.7	25.2	29.4	33.7	34.9
80	9.23	8.95	8.58	8.78	9.78	12.2	14.7	13.8	12.7	12.5	12.8	13.6	14.4	15.2	16.0	17.0	19.8	22.7	23.6
85	2.37	2.98	3.22	3.78	4.64	5.70	7.55	7.47	6.78	6.68	6.78	7.17	7.59	7.99	8.43	8.93	10.3	11.8	12.2
90	0.18	0.83	0.94	0.95	0.93	0.90	0.88	0.87	0.86	0.86	0.86	0.87	0.88	0.89	0.89	0.89	0.89	0.89	0.89

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--2 UNIT: ×10cd

C(DEG) / γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741
5	3362	3369	3379	3392	3411	3433	3459	3483	3505	3530	3556	3585	3615	3635	3651	3668	3686	3704	3686
10	2452	2472	2507	2558	2623	2702	2793	2890	2993	3106	3213	3295	3381	3448	3509	3563	3595	3628	3595
15	1356	1378	1416	1470	1567	1698	1850	2020	2209	2411	2612	2819	3020	3180	3311	3399	3466	3512	3466
20	886	898	920	950	987	1031	1082	1176	1339	1586	1893	2218	2529	2824	3063	3212	3312	3360	3312
25	502	517	544	580	626	682	749	826	910	1003	1191	1528	1973	2417	2817	3087	3229	3290	3229
30	118	137	169	214	273	344	427	519	624	739	863	998	1368	1976	2576	3049	3237	3301	3237
35	111	106	99.7	95.8	95.9	99.1	116	227	347	478	614	734	812	1108	1616	1954	2028	2029	2028
40	111	103	92.9	87.6	87.8	91.3	97.7	104	106	198	305	353	340	287	351	385	364	355	364
45	111	98.1	84.8	78.5	78.5	81.7	86.4	88.2	83.7	73.3	67.7	101	85.8	69.2	61.2	60.7	60.8	60.5	60.8
50	110	92.7	75.8	68.9	67.9	69.3	71.2	69.7	63.2	56.0	52.6	51.0	50.3	49.4	49.1	49.1	49.3	49.7	49.3
55	93.6	78.4	64.3	59.0	57.1	55.7	55.3	54.6	51.5	48.9	47.5	45.8	43.7	42.5	42.1	42.3	42.7	42.9	42.7
60	76.9	64.5	53.3	49.7	48.0	46.6	45.5	45.0	45.3	44.8	43.7	41.9	40.6	36.8	35.8	36.4	37.4	38.0	37.4
65	60.7	51.6	43.2	40.7	39.0	37.8	36.7	36.2	36.4	38.0	39.9	42.4	40.9	32.9	29.4	30.1	31.9	33.0	31.9
70	44.8	39.5	33.7	31.8	30.3	29.1	28.1	27.4	27.6	28.9	31.7	39.6	34.5	26.3	23.3	23.0	25.1	27.1	25.1
75	33.7	29.4	25.2	23.7	22.4	21.3	20.2	19.0	18.8	19.8	23.0	25.5	21.8	19.3	15.3	15.6	17.4	19.9	17.4
80	22.7	19.8	17.0	16.0	15.2	14.4	13.6	12.8	12.5	12.7	13.8	14.7	12.2	9.78	8.78	8.58	8.95	9.23	8.95
85	11.8	10.3	8.93	8.43	7.99	7.59	7.17	6.78	6.68	6.78	7.47	7.55	5.70	4.64	3.78	3.22	2.98	2.37	2.98
90	0.89	0.89	0.89	0.89	0.89	0.88	0.87	0.86	0.86	0.86	0.87	0.88	0.90	0.93	0.95	0.94	0.83	0.18	0.83

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--3 UNIT: ×10cd

C(DEG) / γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741
5	3668	3651	3635	3615	3585	3556	3530	3505	3483	3459	3433	3411	3392	3379	3369	3362	3361	3362	3369
10	3563	3509	3448	3381	3295	3213	3106	2993	2890	2793	2702	2623	2558	2507	2472	2452	2445	2452	2472
15	3399	3311	3180	3020	2819	2612	2411	2209	2020	1850	1698	1567	1470	1416	1378	1356	1349	1356	1378
20	3212	3063	2824	2529	2218	1893	1586	1339	1176	1082	1031	987	950	920	898	886	883	886	898
25	3087	2817	2417	1973	1528	1191	1003	910	826	749	682	626	580	544	517	502	497	502	517
30	3049	2576	1976	1368	998	863	739	624	519	427	344	273	214	169	137	118	111	118	137
35	1954	1616	1108	812	734	614	478	347	227	116	99.1	95.9	95.8	99.7	106	111	113	111	106
40	385	351	287	340	353	305	198	106	104	97.7	91.3	87.8	87.6	92.9	103	111	115	111	103
45	60.7	61.2	69.2	85.8	101	67.7	73.3	83.7	88.2	86.4	81.7	78.5	78.5	84.8	98.1	111	117	111	98.1
50	49.1	49.1	49.4	50.3	51.0	52.6	56.0	63.2	69.7	71.2	69.3	67.9	68.9	75.8	92.7	110	118	110	92.7
55	42.3	42.1	42.5	43.7	45.8	47.5	48.9	51.5	54.6	55.3	55.7	57.1	59.0	64.3	78.4	93.6	100	93.6	78.4
60	36.4	35.8	36.8	40.6	41.9	43.7	44.8	45.3	45.0	45.5	46.6	48.0	49.7	53.3	64.5	76.9	82.2	76.9	64.5
65	30.1	29.4	32.9	40.9	42.4	39.9	38.0	36.4	36.2	36.7	37.8	39.0	40.7	43.2	51.6	60.7	64.2	60.7	51.6
70	23.0	23.3	26.3	34.5	39.6	31.7	28.9	27.6	27.4	28.1	29.1	30.3	31.8	33.7	39.5	44.8	46.2	44.8	39.5
75	15.6	15.3	19.3	21.8	25.5	23.0	19.8	18.8	19.0	20.2	21.3	22.4	23.7	25.2	29.4	33.7	34.9	33.7	29.4
80	8.58	8.78	9.78	12.2	14.7	13.8	12.7	12.5	12.8	13.6	14.4	15.2	16.0	17.0	19.8	22.7	23.6	22.7	19.8
85	3.22	3.78	4.64	5.70	7.55	7.47	6.78	6.68	6.78	7.17	7.59	7.99	8.43	8.93	10.3	11.8	12.2	11.8	10.3
90	0.94	0.95	0.93	0.90	0.88	0.87	0.86	0.86	0.86	0.87	0.88	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table--4 UNIT: ×10cd

C(DEG) / γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741	3741				
5	3379	3392	3411	3433	3459	3483	3505	3530	3556	3585	3615	3635	3651	3668	3686				
10	2507	2558	2623	2702	2793	2890	2993	3106	3213	3295	3381	3448	3509	3563	3595				
15	1416	1470	1567	1698	1850	2020	2209	2411	2612	2819	3020	3180	3311	3399	3466				
20	920	950	987	1031	1082	1176	1339	1586	1893	2218	2529	2824	3063	3212	3312				
25	544	580	626	682	749	826	910	1003	1191	1528	1973	2417	2817	3087	3229				
30	169	214	273	344	427	519	624	739	863	998	1368	1976	2576	3049	3237				
35	99.7	95.8	95.9	99.1	116	227	347	478	614	734	812	1108	1616	1954	2028				
40	92.9	87.6	87.8	91.3	97.7	104	106	198	305	353	340	287	351	385	364				
45	84.8	78.5	78.5	81.7	86.4	88.2	83.7	73.3	67.7	101	85.8	69.2	61.2	60.7	60.8				
50	75.8	68.9	67.9	69.3	71.2	69.7	63.2	56.0	52.6	51.0	50.3	49.4	49.1	49.1	49.3				
55	64.3	59.0	57.1	55.7	55.3	54.6	51.5	48.9	47.5	45.8	43.7	42.5	42.1	42.3	42.7				
60	53.3	49.7	48.0	46.6	45.5	45.0	45.3	44.8	43.7	41.9	40.6	36.8	35.8	36.4	37.4				
65	43.2	40.7	39.0	37.8	36.7	36.2	36.4	38.0	39.9	42.4	40.9	32.9	29.4	30.1	31.9				
70	33.7	31.8	30.3	29.1	28.1	27.4	27.6	28.9	31.7	39.6	34.5	26.3	23.3	23.0	25.1				
75	25.2	23.7	22.4	21.3	20.2	19.0	18.8	19.8	23.0	25.5	21.8	19.3	15.3	15.6	17.4				
80	17.0	16.0	15.2	14.4	13.6	12.8	12.5	12.7	13.8	14.7	12.2	9.78	8.78	8.58	8.95				
85	8.93	8.43	7.99	7.59	7.17	6.78	6.68	6.78	7.47	7.55	5.70	4.64	3.78	3.22	2.98				
90	0.89	0.89	0.89	0.88	0.87	0.86	0.86	0.86	0.87	0.88	0.90	0.93	0.95	0.94	0.83				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks: