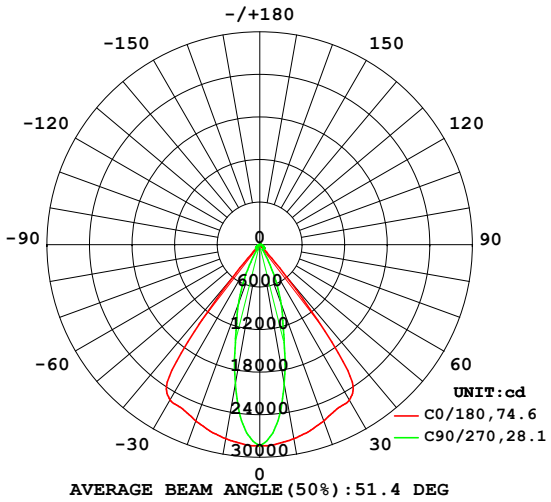
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6688A P:148.5W PF:0.9655 Lamp Flux:18466.8x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

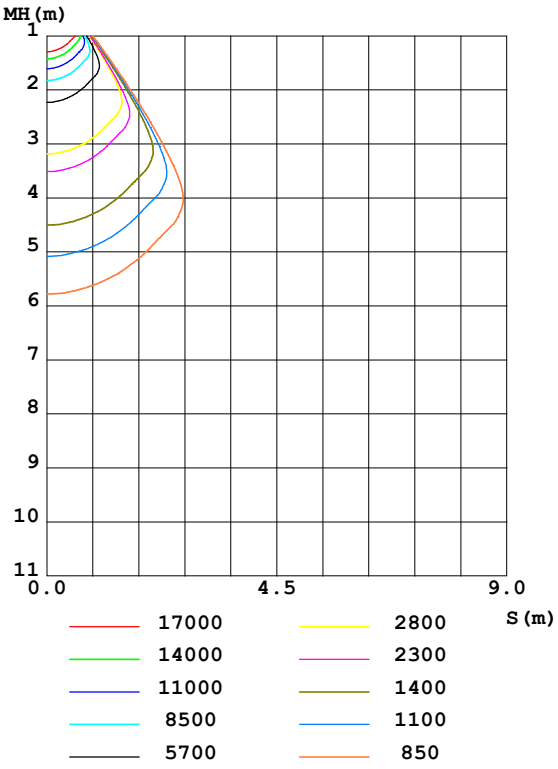
DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.32 lm/W			
MODEL	LHB01-150	Imax(cd)	28380	S/MH(C0/180)	1.08
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	0.47
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18467	η UP,DN(C0-180)	0.0,49.0
NOMINAL FLUX(lm)	18466.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,51.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):51.4 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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	2820	2675	2580	2675	2820	2690	2580	2690	0- 5	658.1	658.1	3.56,3.56
10	2779	2314	2000	2314	2779	2349	2000	2349	5- 10	1801	2459	13.3,13.3
15	2723	1811	1313	1811	2723	1867	1313	1867	10- 15	2523	4982	27,27
20	2645	1258	879.7	1258	2645	1324	879.7	1324	15- 20	2816	7799	42.2,42.2
25	2563	892.4	480.4	892.4	2563	948.7	480.4	948.7	20- 25	2843	10641	57.6,57.6
30	2532	598.1	81.05	598.1	2532	637.9	81.05	637.9	25- 30	2621	13262	71.8,71.8
35	2166	315.9	80.19	315.9	2166	332.7	80.19	332.7	30- 35	2236	15498	83.9,83.9
40	522.8	75.27	79.34	75.27	522.8	80.00	79.34	80.00	35- 40	1448	16946	91.8,91.8
45	48.76	60.96	78.48	60.96	48.76	68.82	78.48	68.82	40- 45	483.4	17429	94.4,94.4
50	36.18	46.39	77.63	46.39	36.18	52.04	77.63	52.04	45- 50	218.6	17648	95.6,95.6
55	30.51	36.78	65.25	36.78	30.51	38.09	65.25	38.09	50- 55	185.0	17833	96.6,96.6
60	26.36	31.07	52.88	31.07	26.36	30.96	52.88	30.96	55- 60	163.5	17996	97.5,97.5
65	22.46	24.80	40.50	24.80	22.46	24.78	40.50	24.78	60- 65	143.5	18140	98.2,98.2
70	18.03	18.72	28.12	18.72	18.03	18.79	28.12	18.79	65- 70	119.6	18260	98.9,98.9
75	12.83	12.65	21.23	12.65	12.83	12.80	21.23	12.80	70- 75	91.55	18351	99.4,99.4
80	6.591	8.443	14.33	8.443	6.591	8.569	14.33	8.569	75- 80	63.57	18415	99.7,99.7
85	1.825	4.487	7.434	4.487	1.825	4.565	7.434	4.565	80- 85	37.91	18453	99.9,99.9
90	0.1435	0.5413	0.5383	0.5413	0.1435	0.5577	0.5383	0.5577	85- 90	14.21	18467	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): 17429 lm

%lum = 94.4%
%lamp = 94.4%

Conical surface Flux(120deg): 17996 lm

%lum = 97.5%
%lamp = 97.5%

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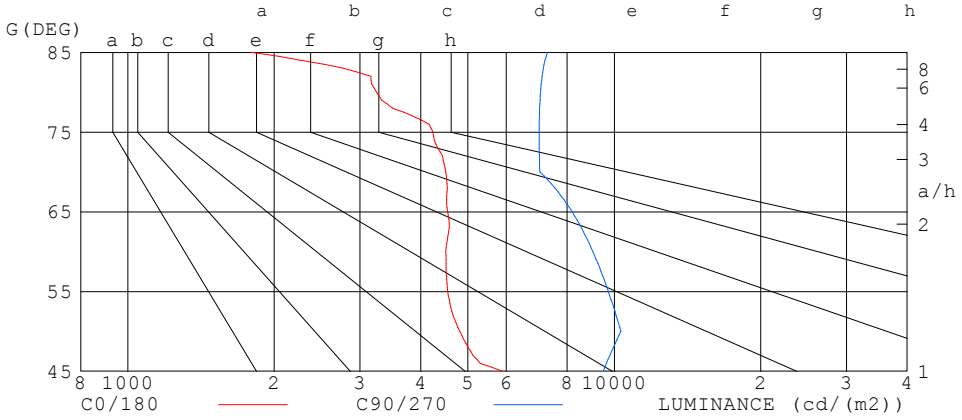
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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	1790	7290
80	3244	7053
75	4236	7009
70	4506	7027
65	4543	8190
60	4506	9039
55	4546	9723
50	4811	10322
45	5893	9487

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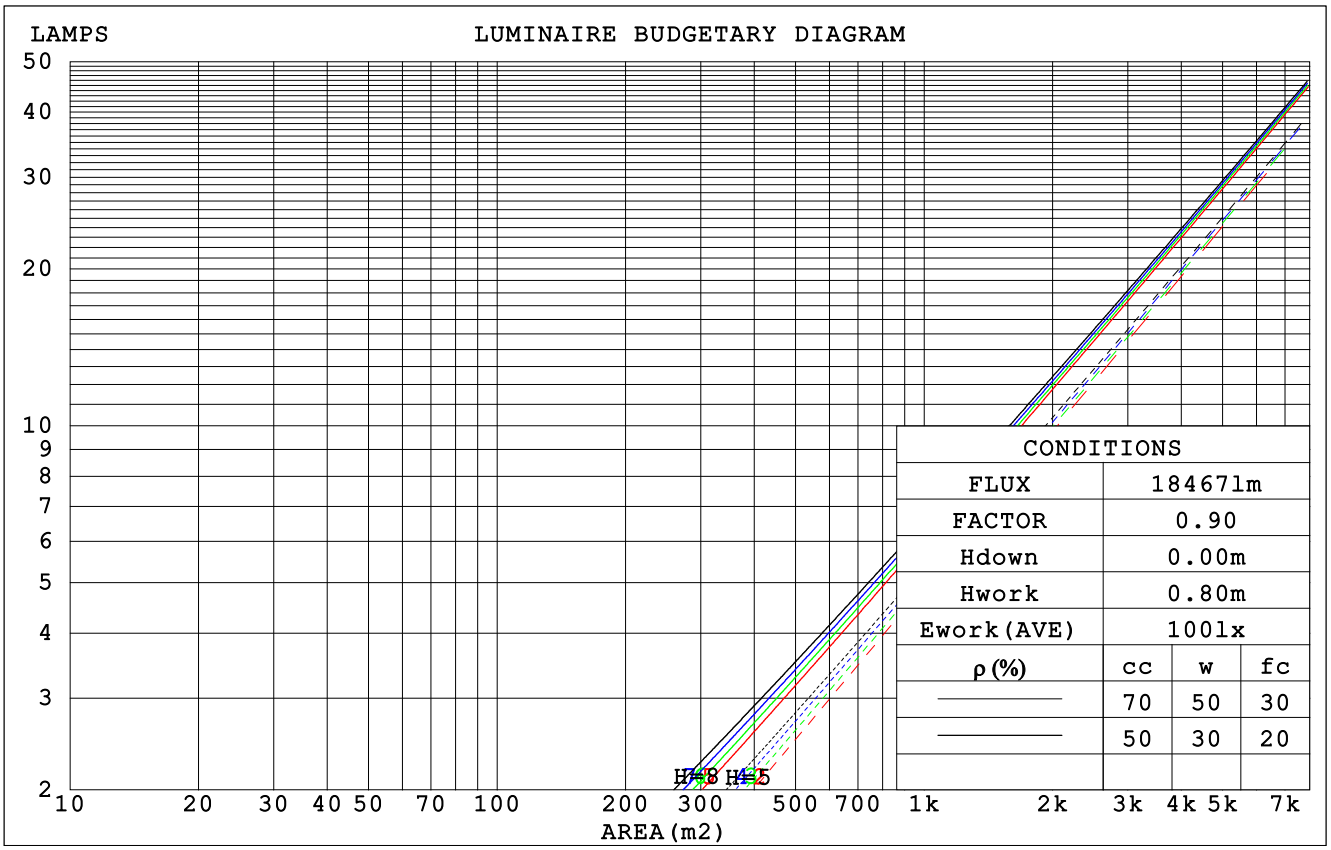
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	.00
1.0	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	.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	.83	.79	.86	.82	.78	.84	.81	.78	.83	.79	.77	.75
5.0	.84	.78	.74	.83	.78	.74	.81	.77	.73	.80	.76	.72	.78	.75	.72	.70
6.0	.79	.73	.69	.78	.73	.69	.77	.72	.68	.76	.71	.68	.74	.70	.67	.66
7.0	.75	.69	.65	.74	.68	.64	.73	.68	.64	.72	.67	.64	.70	.66	.63	.62
8.0	.71	.65	.61	.70	.64	.61	.69	.64	.60	.68	.63	.60	.67	.63	.60	.58
9.0	.67	.61	.57	.66	.61	.57	.66	.60	.57	.65	.60	.57	.64	.60	.57	.55
10.0	.64	.58	.54	.63	.58	.54	.62	.57	.54	.62	.57	.54	.61	.57	.54	.52



C Range: 0 - 360DEG
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Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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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	.184	.104	.033	.177	.101	.032	.164	.094	.030	.153	.088	.028	.142	.082	.027	
2.0	.174	.095	.029	.168	.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	.135	.074	.023	
4.0	.156	.081	.024	.152	.079	.023	.144	.076	.023	.137	.073	.022	.130	.071	.021	
5.0	.148	.075	.022	.144	.074	.022	.137	.072	.021	.131	.069	.021	.125	.067	.020	
6.0	.140	.070	.020	.137	.069	.020	.131	.067	.020	.126	.065	.019	.120	.063	.019	
7.0	.134	.066	.019	.131	.065	.019	.126	.064	.018	.121	.062	.018	.116	.060	.018	
8.0	.128	.062	.018	.125	.062	.017	.121	.060	.017	.116	.059	.017	.112	.057	.017	
9.0	.122	.059	.016	.120	.058	.016	.116	.057	.016	.112	.056	.016	.108	.055	.016	
10.0	.117	.056	.016	.115	.056	.015	.111	.054	.015	.108	.053	.015	.104	.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	.059	.107	.076	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.068	.043	.070	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.015	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.031	.063	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.100	.059	.031	.086	.051	.027	.060	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.055	.027	.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:2017-03-27

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	22.5	23.4	22.7	23.6	23.8	13.0	14.0	13.3	14.2	14.3
	3H	22.4	23.2	22.6	23.4	23.7	14.6	15.5	14.9	15.7	15.9
	4H	22.3	23.2	22.6	23.4	23.6	15.3	16.2	15.6	16.4	16.6
	6H	22.3	23.0	22.6	23.3	23.5	16.0	16.8	16.3	17.0	17.3
	8H	22.2	23.0	22.5	23.2	23.5	16.3	17.0	16.6	17.3	17.5
	12H	22.2	22.9	22.5	23.2	23.4	16.5	17.2	16.8	17.5	17.8
4H	2H	22.3	23.1	22.5	23.3	23.5	13.4	14.2	13.6	14.4	14.6
	3H	22.2	22.9	22.5	23.2	23.5	15.0	15.7	15.4	16.0	16.3
	4H	22.2	22.8	22.5	23.1	23.4	15.8	16.5	16.2	16.8	17.1
	6H	22.1	22.7	22.5	23.0	23.4	16.6	17.2	17.0	17.5	17.9
	8H	22.1	22.6	22.5	23.0	23.4	17.0	17.5	17.4	17.9	18.2
	12H	22.1	22.6	22.5	22.9	23.3	17.3	17.8	17.7	18.1	18.5
8H	4H	22.1	22.6	22.5	23.0	23.3	16.0	16.5	16.4	16.9	17.2
	6H	22.1	22.5	22.5	22.9	23.3	16.9	17.3	17.3	17.7	18.1
	8H	22.0	22.4	22.5	22.9	23.3	17.3	17.7	17.8	18.1	18.6
	12H	22.0	22.4	22.5	22.8	23.3	17.7	18.0	18.2	18.5	18.9
12H	4H	22.0	22.5	22.4	22.9	23.3	16.0	16.5	16.4	16.8	17.2
	6H	22.0	22.4	22.5	22.8	23.3	16.9	17.3	17.4	17.7	18.1
	8H	22.0	22.4	22.5	22.8	23.3	17.4	17.7	17.8	18.1	18.6
Variations with the observer position at spacings:											
S = 1.0H		+ 5.8 / - 7.4					+ 0.1 / - 0.2				
1.5H		+ 8.6 / - 7.4					+ 0.6 / - 0.3				
2.0H		+ 0.3 / - 0.2					+ 1.1 / - 0.9				

CIE Pub.117 Corrected 18467 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.1)

C Range: 0 - 360DEG
C Interval: 5.0DEG
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Temperature:25.3DEG
Operators:
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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	87	80	76	86	80	76	85	79	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	98	93	89	97	92	89	96	92	88	84
1.25	102	97	93	101	96	93	99	95	92	88
1.50	105	100	97	104	99	96	102	98	95	91
2.00	108	104	100	106	102	99	104	101	98	93
2.50	110	106	103	108	104	102	105	102	100	94
3.00	111	108	105	110	106	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	110	113	111	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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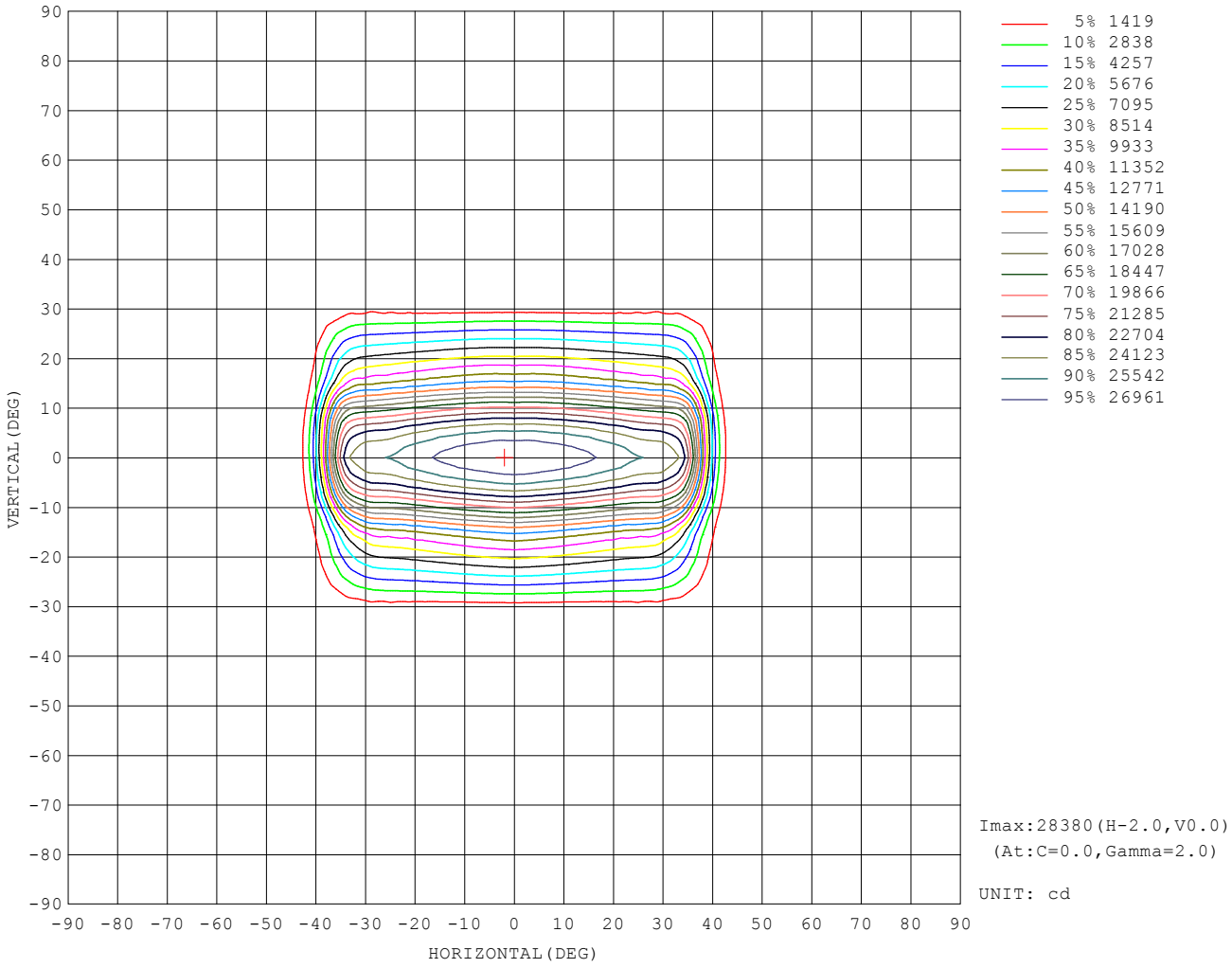
Remarks:

ISOCANDELA DIAGRAM



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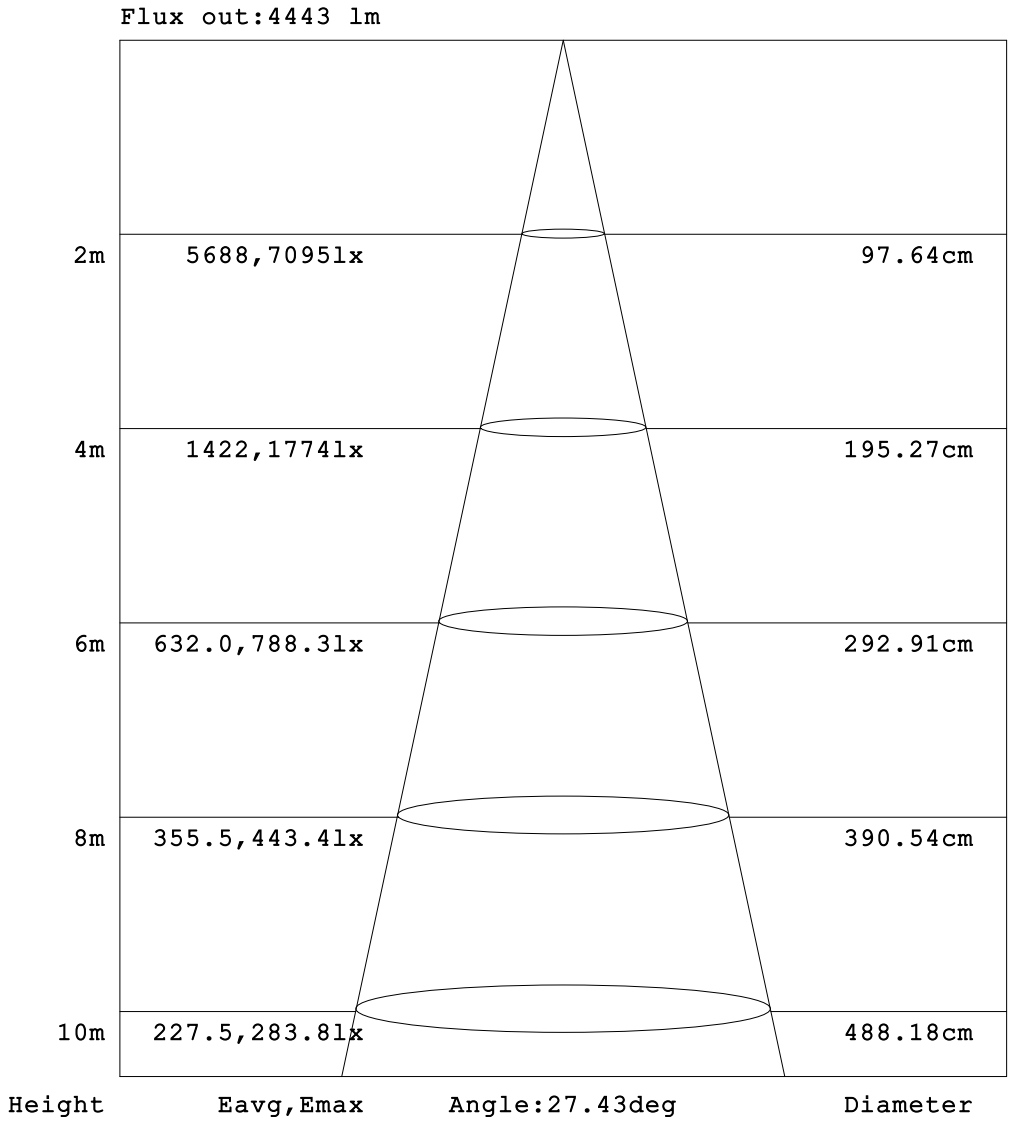
Remarks:

AAI Figure



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

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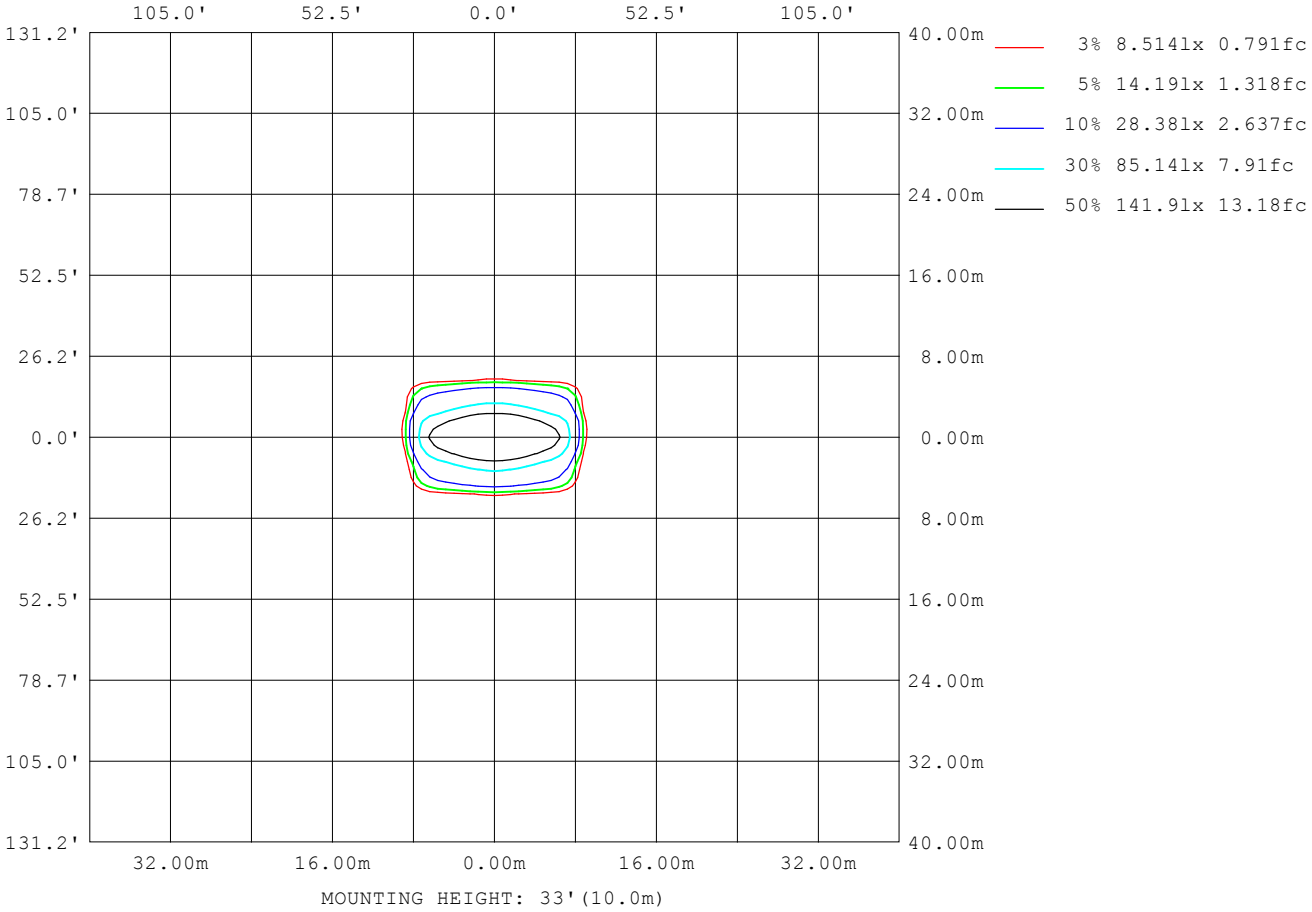
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.6688A P:148.5W PF:0.9655 Lamp Flux:18466.8x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

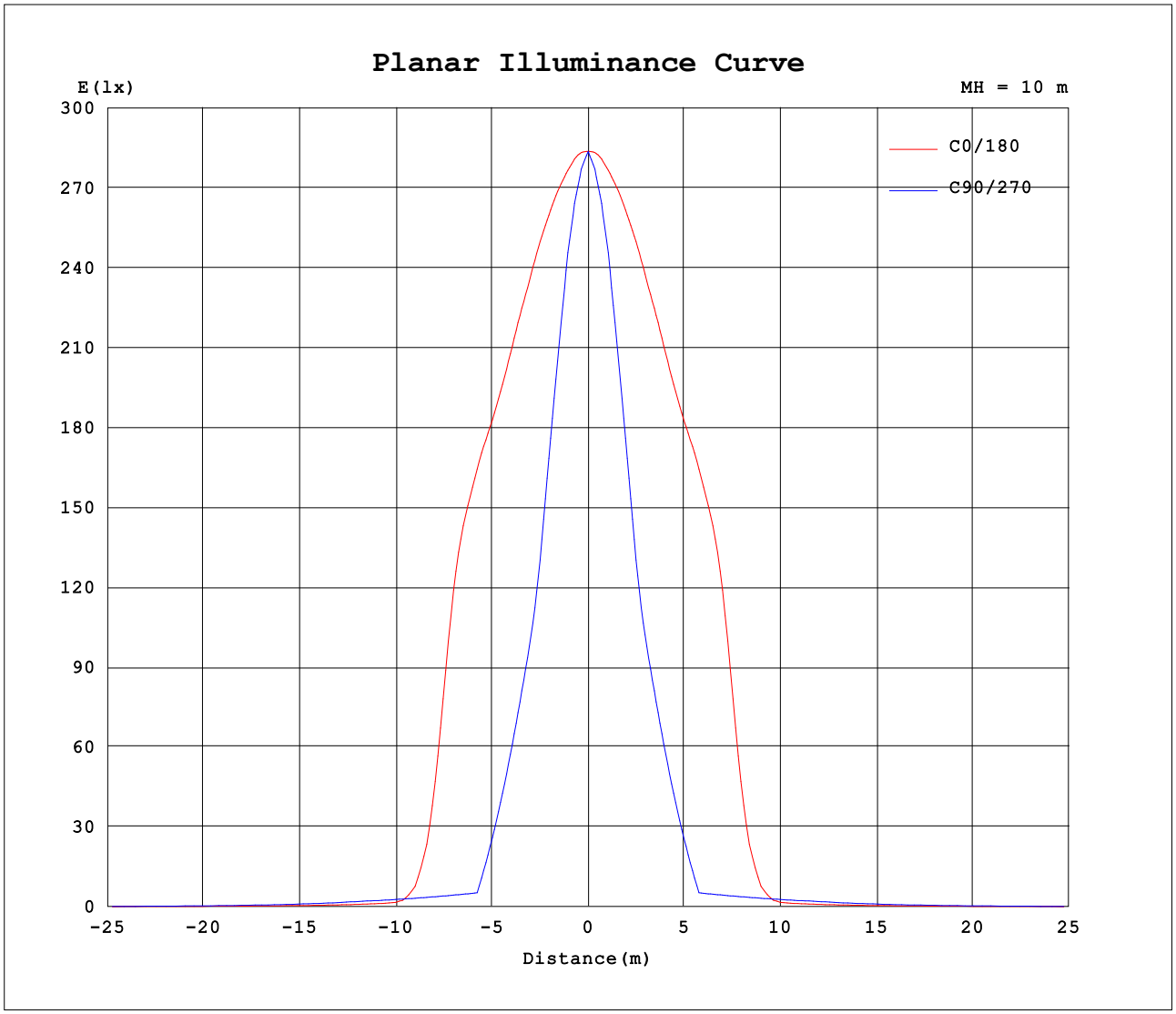
AvgL	cd/m2
L_0~180(65)av	4543
L_0~180(75)av	4236
L_0~180(85)av	1790
L_90~270(65)av	8190
L_90~270(75)av	7009
L_90~270(85)av	7290
L_45(65)av	5014
L_45(75)av	4203
L_45(85)av	4439

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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:2017-03-27

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	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838
5	2820	2806	2792	2779	2766	2751	2730	2710	2692	2675	2661	2645	2627	2613	2600	2591	2584	2580	2580
10	2779	2749	2721	2677	2629	2577	2514	2455	2385	2314	2250	2191	2138	2093	2058	2031	2012	2002	2000
15	2723	2679	2619	2543	2438	2321	2186	2055	1930	1811	1701	1601	1511	1436	1379	1346	1325	1313	1313
20	2645	2588	2489	2349	2168	1970	1778	1592	1410	1258	1147	1070	1017	972	935	907	889	880	880
25	2563	2485	2337	2119	1860	1600	1339	1126	986	892	808	732	664	607	560	523	498	484	480
30	2532	2415	2207	1907	1573	1220	971	835	710	598	496	403	321	249	190	143	109	88.5	81.0
35	2166	1993	1732	1389	1032	817	714	589	448	316	196	86.1	72.1	70.4	71.0	73.9	77.3	79.7	80.2
40	523	506	455	365	338	383	375	295	172	75.3	73.3	69.0	65.3	63.4	63.8	67.8	73.6	78.2	79.3
45	48.8	50.1	51.4	56.7	72.0	93.4	102	54.4	55.3	61.0	62.3	60.7	57.6	55.8	56.2	60.9	69.2	76.4	78.5
50	36.2	36.0	35.7	35.6	35.8	37.1	36.7	38.5	41.9	46.4	49.8	50.0	48.5	47.6	48.2	53.5	64.3	74.5	77.6
55	30.5	30.3	30.1	29.9	30.1	30.7	32.2	33.5	34.7	36.8	38.5	38.7	38.8	39.6	40.7	44.7	53.8	62.6	65.3
60	26.4	26.0	25.4	25.1	25.6	27.7	28.8	30.2	30.9	31.1	31.0	31.5	32.2	32.9	33.9	36.6	43.5	50.8	52.9
65	22.5	21.8	20.7	20.4	22.8	26.8	27.5	27.1	26.0	24.8	24.6	25.0	25.6	26.3	27.3	29.1	33.9	39.2	40.5
70	18.0	17.0	15.9	16.2	19.2	23.6	24.8	21.1	19.7	18.7	18.4	18.7	19.2	19.9	20.8	22.0	24.8	27.8	28.1
75	12.8	11.8	11.0	11.1	13.5	15.7	17.3	15.2	13.6	12.7	12.5	13.1	13.8	14.5	15.4	16.4	18.5	20.9	21.2
80	6.59	6.26	6.32	6.61	7.42	9.00	10.1	9.49	8.77	8.44	8.45	8.84	9.31	9.77	10.4	11.0	12.4	14.1	14.3
85	1.83	2.40	2.85	3.15	3.60	4.30	5.21	5.08	4.68	4.49	4.47	4.66	4.91	5.13	5.44	5.77	6.47	7.31	7.43
90	0.14	0.67	0.69	0.68	0.65	0.62	0.59	0.57	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838
5	2580	2584	2591	2600	2613	2627	2645	2661	2675	2692	2710	2730	2751	2766	2779	2792	2806	2820	2809
10	2002	2012	2031	2058	2093	2138	2191	2250	2314	2385	2455	2514	2577	2629	2677	2721	2749	2779	2756
15	1313	1325	1346	1379	1436	1511	1601	1701	1811	1930	2055	2186	2321	2438	2543	2619	2679	2723	2691
20	880	889	907	935	972	1017	1070	1147	1258	1410	1592	1778	1970	2168	2349	2489	2588	2645	2603
25	484	498	523	560	607	664	732	808	892	986	1126	1339	1600	1860	2119	2337	2485	2563	2499
30	88.5	109	143	190	249	321	403	496	598	710	835	971	1220	1573	1907	2207	2415	2532	2431
35	79.7	77.3	73.9	71.0	70.4	72.1	86.1	196	316	448	589	714	817	1032	1389	1732	1993	2166	2081
40	78.2	73.6	67.8	63.8	63.4	65.3	69.0	73.3	75.3	172	295	375	383	338	365	455	506	523	579
45	76.4	69.2	60.9	56.2	55.8	57.6	60.7	62.3	61.0	55.3	54.4	102	93.4	72.0	56.7	51.4	50.1	48.8	51.0
50	74.5	64.3	53.5	48.2	47.6	48.5	50.0	49.8	46.4	41.9	38.5	36.7	37.1	35.8	35.6	35.7	36.0	36.2	36.0
55	62.6	53.8	44.7	40.7	39.6	38.8	38.7	38.5	36.8	34.7	33.5	32.2	30.7	30.1	29.9	30.1	30.3	30.5	30.4
60	50.8	43.5	36.6	33.9	32.9	32.2	31.5	31.0	31.1	30.9	30.2	28.8	27.7	25.6	25.1	25.4	26.0	26.4	26.1
65	39.2	33.9	29.1	27.3	26.3	25.6	25.0	24.6	24.8	26.0	27.1	27.5	26.8	22.8	20.4	20.7	21.8	22.5	21.9
70	27.8	24.8	22.0	20.8	19.9	19.2	18.7	18.4	18.7	19.7	21.1	24.8	23.6	19.2	16.2	15.9	17.0	18.0	17.1
75	20.9	18.5	16.4	15.4	14.5	13.8	13.1	12.5	12.7	13.6	15.2	17.3	15.7	13.5	11.1	11.0	11.8	12.8	11.9
80	14.1	12.4	11.0	10.4	9.77	9.31	8.84	8.45	8.44	8.77	9.49	10.1	9.00	7.42	6.61	6.32	6.26	6.59	6.25
85	7.31	6.47	5.77	5.44	5.13	4.91	4.66	4.47	4.49	4.68	5.08	5.21	4.30	3.60	3.15	2.85	2.40	1.83	2.50
90	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.57	0.59	0.62	0.65	0.68	0.69	0.67	0.14	0.66

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838
5	2797	2786	2775	2762	2743	2724	2707	2690	2675	2658	2639	2622	2608	2596	2588	2582	2580	2582	2588
10	2734	2697	2655	2607	2547	2490	2421	2349	2286	2227	2173	2125	2085	2051	2025	2008	2000	2008	2025
15	2641	2576	2479	2368	2235	2106	1985	1867	1757	1653	1558	1479	1418	1377	1345	1323	1313	1323	1345
20	2519	2395	2225	2035	1848	1666	1482	1324	1206	1124	1065	1012	968	935	908	889	880	889	908
25	2369	2172	1928	1679	1421	1203	1053	949	856	772	697	634	581	540	509	489	480	489	509
30	2240	1938	1611	1274	1029	889	759	638	526	425	336	259	195	145	110	88.0	81.0	88.0	110
35	1920	1629	1228	946	780	622	473	333	204	85.6	71.3	70.0	70.6	73.0	76.3	78.9	80.2	78.9	76.3
40	642	611	532	553	488	349	190	80.0	73.2	67.8	64.5	63.2	63.9	67.4	72.8	77.2	79.3	77.2	72.8
45	53.3	58.1	89.6	127	144	62.9	65.2	68.8	65.3	60.3	57.0	55.7	56.6	61.0	68.8	75.2	78.5	75.2	68.8
50	35.8	35.8	36.0	37.1	36.8	38.6	44.7	52.0	53.5	50.7	48.2	47.7	48.9	54.0	64.1	73.1	77.6	73.1	64.1
55	30.2	29.9	30.1	30.8	32.3	33.5	34.7	38.1	39.9	38.7	38.8	39.8	41.4	45.3	53.8	61.5	65.3	61.5	53.8
60	25.5	25.1	25.6	27.6	29.0	30.3	30.9	31.0	30.9	31.5	32.1	33.0	34.3	37.1	43.6	49.9	52.9	49.9	43.6
65	20.8	20.4	22.2	26.1	27.4	27.2	26.0	24.8	24.5	25.0	25.6	26.3	27.4	29.4	34.1	38.5	40.5	38.5	34.1
70	16.0	16.1	17.7	21.9	24.2	21.3	19.9	18.8	18.3	18.7	19.3	19.9	20.8	22.1	25.1	27.3	28.1	27.3	25.1
75	11.1	11.0	13.1	14.5	16.4	15.3	13.8	12.8	12.5	13.1	13.9	14.5	15.4	16.4	18.7	20.6	21.2	20.6	18.7
80	6.35	6.63	7.34	9.00	10.1	9.66	8.92	8.57	8.47	8.84	9.35	9.82	10.4	11.1	12.6	13.9	14.3	13.9	12.6
85	2.81	3.14	3.58	4.39	5.21	5.16	4.75	4.57	4.51	4.67	4.94	5.18	5.45	5.80	6.53	7.21	7.43	7.21	6.53
90	0.66	0.64	0.62	0.60	0.58	0.57	0.56	0.56	0.57	0.58	0.58	0.57	0.56	0.55	0.55	0.54	0.54	0.54	0.55

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838	2838				
5	2596	2608	2622	2639	2658	2675	2690	2707	2724	2743	2762	2775	2786	2797	2809				
10	2051	2085	2125	2173	2227	2286	2349	2421	2490	2547	2607	2655	2697	2734	2756				
15	1377	1418	1479	1558	1653	1757	1867	1985	2106	2235	2368	2479	2576	2641	2691				
20	935	968	1012	1065	1124	1206	1324	1482	1666	1848	2035	2225	2395	2519	2603				
25	540	581	634	697	772	856	949	1053	1203	1421	1679	1928	2172	2369	2499				
30	145	195	259	336	425	526	638	759	889	1029	1274	1611	1938	2240	2431				
35	73.0	70.6	70.0	71.3	85.6	204	333	473	622	780	946	1228	1629	1920	2081				
40	67.4	63.9	63.2	64.5	67.8	73.2	80.0	190	349	488	553	532	611	642	579				
45	61.0	56.6	55.7	57.0	60.3	65.3	68.8	65.2	62.9	144	127	89.6	58.1	53.3	51.0				
50	54.0	48.9	47.7	48.2	50.7	53.5	52.0	44.7	38.6	36.8	37.1	36.0	35.8	35.8	36.0				
55	45.3	41.4	39.8	38.8	38.7	39.9	38.1	34.7	33.5	32.3	30.8	30.1	29.9	30.2	30.4				
60	37.1	34.3	33.0	32.1	31.5	30.9	31.0	30.9	30.3	29.0	27.6	25.6	25.1	25.5	26.1				
65	29.4	27.4	26.3	25.6	25.0	24.5	24.8	26.0	27.2	27.4	26.1	22.2	20.4	20.8	21.9				
70	22.1	20.8	19.9	19.3	18.7	18.3	18.8	19.9	21.3	24.2	21.9	17.7	16.1	16.0	17.1				
75	16.4	15.4	14.5	13.9	13.1	12.5	12.8	13.8	15.3	16.4	14.5	13.1	11.0	11.1	11.9				
80	11.1	10.4	9.82	9.35	8.84	8.47	8.57	8.92	9.66	10.1	9.00	7.34	6.63	6.35	6.25				
85	5.80	5.45	5.18	4.94	4.67	4.51	4.57	4.75	5.16	5.21	4.39	3.58	3.14	2.81	2.50				
90	0.55	0.56	0.57	0.58	0.58	0.57	0.56	0.56	0.57	0.58	0.60	0.62	0.64	0.66	0.66				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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: