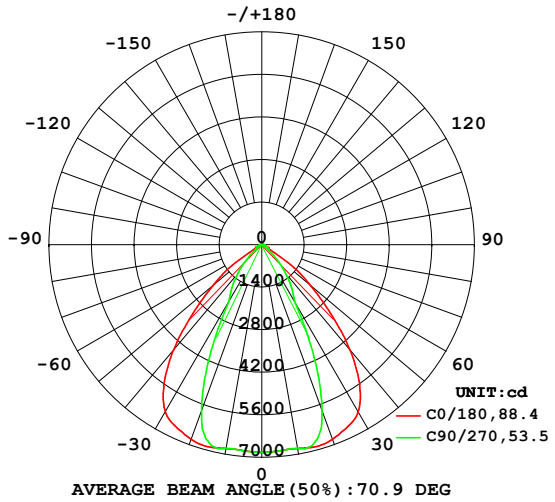
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.4108A P:91.04W PF:0.9635 Lamp Flux:11369.7x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

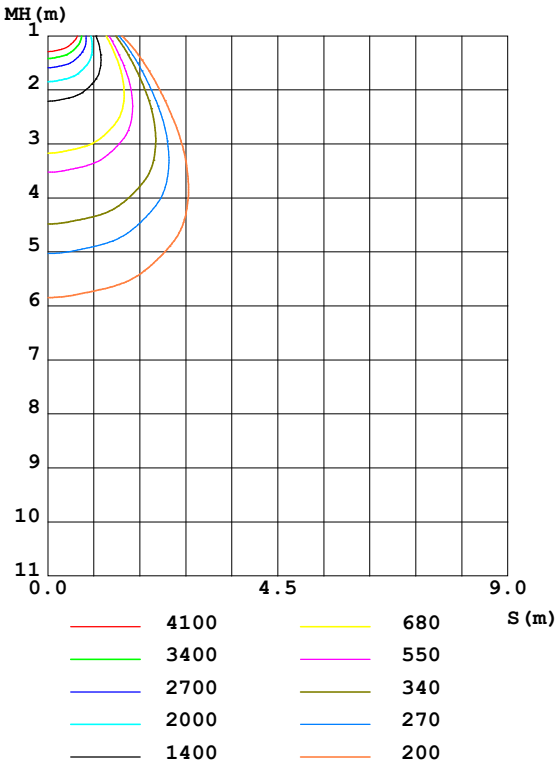
DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.88 lm/W			
MODEL	LHB01-90	Imax(cd)	7955	S/MH(C0/180)	1.26
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	11370	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	11369.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):70.9 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	6806	6807	6808	6807	6806	6807	6808	6807	0- 5	163.1	163.1	1.43,1.43
10	6810	6786	6807	6786	6810	6786	6807	6786	5- 10	485.8	648.9	5.71,5.71
15	6882	7042	6737	7042	6882	7042	6737	7042	10- 15	814.4	1463	12.9,12.9
20	6816	7464	5808	7464	6816	7464	5808	7464	15- 20	1139	2603	22.9,22.9
25	6636	7502	4083	7502	6636	7502	4083	7502	20- 25	1385	3988	35.1,35.1
30	6352	6524	2175	6524	6352	6524	2175	6524	25- 30	1490	5478	48.2,48.2
35	5617	4955	1701	4955	5617	4955	1701	4955	30- 35	1459	6938	61,61
40	4515	3164	1226	3164	4515	3164	1226	3164	35- 40	1356	8294	73,73
45	3206	2518	751.4	2518	3206	2518	751.4	2518	40- 45	1147	9441	83,83
50	2115	1753	276.8	1753	2115	1753	276.8	1753	45- 50	842.4	10283	90.4,90.4
55	1201	941.7	233.2	941.7	1201	941.7	233.2	941.7	50- 55	505.8	10789	94.9,94.9
60	246.3	251.1	189.5	251.1	246.3	251.1	189.5	251.1	55- 60	248.8	11038	97.1,97.1
65	208.2	195.1	145.9	195.1	208.2	195.1	145.9	195.1	60- 65	127.5	11165	98.2,98.2
70	114.9	136.4	102.3	136.4	114.9	136.4	102.3	136.4	65- 70	81.43	11247	98.9,98.9
75	69.77	77.63	82.26	77.63	69.77	77.63	82.26	77.63	70- 75	54.24	11301	99.4,99.4
80	36.70	50.93	62.25	50.93	36.70	50.93	62.25	50.93	75- 80	36.31	11337	99.7,99.7
85	3.773	27.94	42.25	27.94	3.773	27.94	42.25	27.94	80- 85	22.62	11360	99.9,99.9
90	1.481	4.649	22.24	4.649	1.481	4.649	22.24	4.649	85- 90	9.595	11370	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		

Conical surface Flux(90deg): 9440.9 lm

%lum = 83.0%
%lamp = 83.0%

Conical surface Flux(120deg): 11038 lm

%lum = 97.1%
%lamp = 97.1%

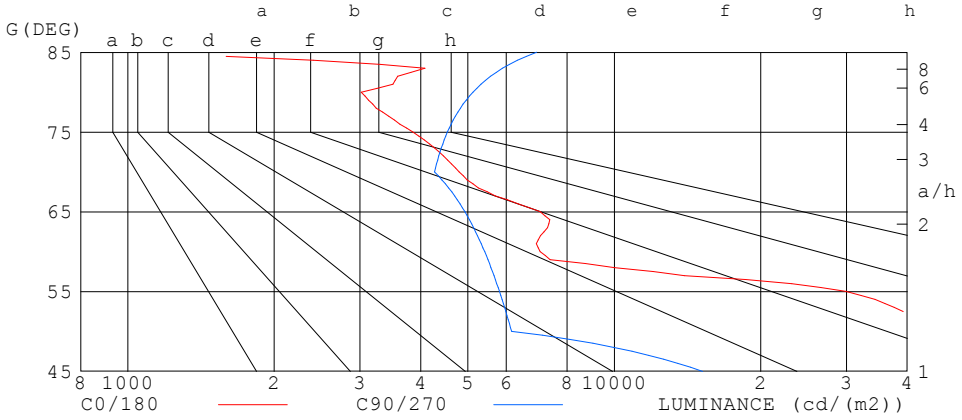
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	618	6924
80	3019	5121
75	3851	4540
70	4801	4271
65	7036	4932
60	7037	5415
55	29912	5807
50	47012	6152
45	64778	15180

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Test Speed: HIGH
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Operators:
Test Date:2017-04-17

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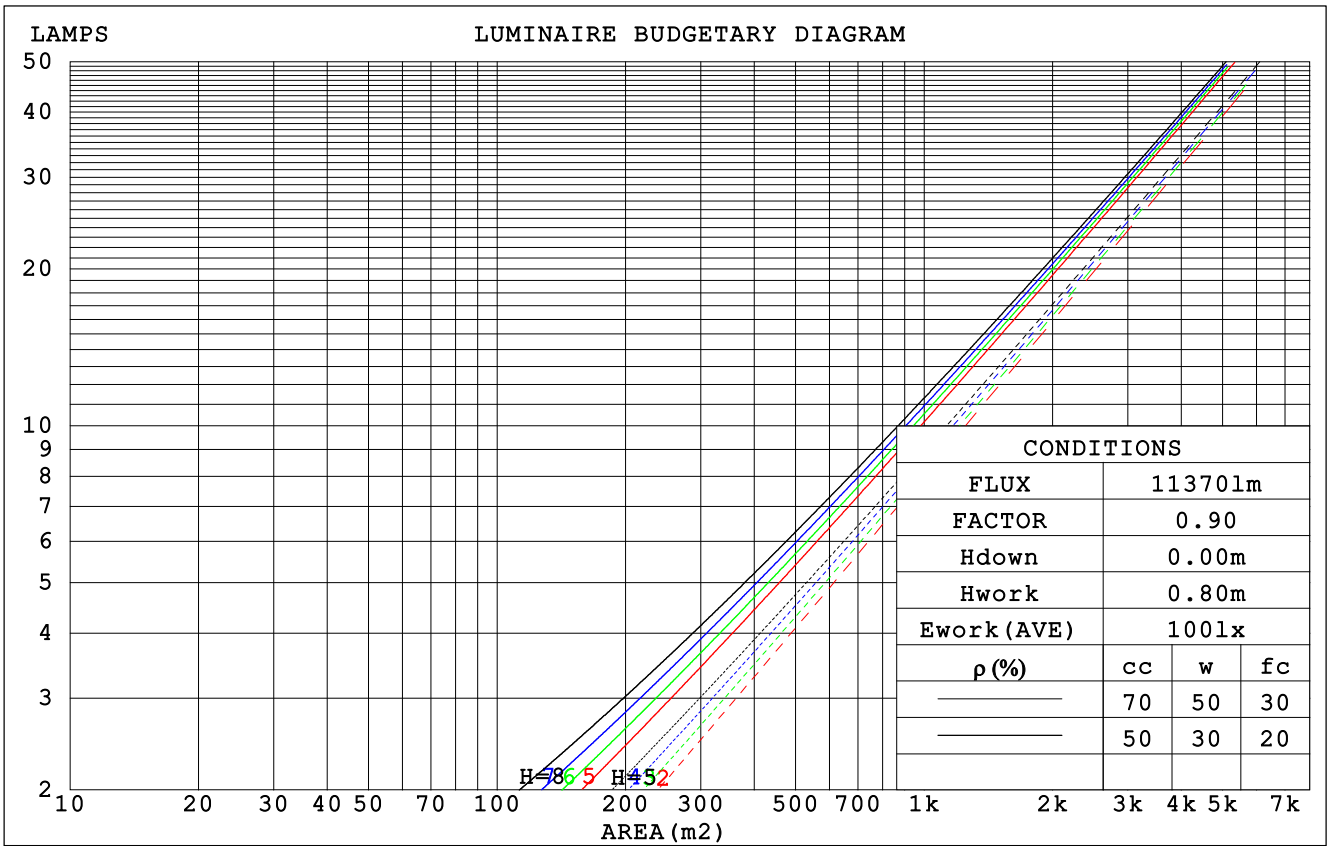
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.91
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.86	.83	.82
3.0	.90	.84	.79	.89	.83	.79	.86	.81	.78	.84	.80	.76	.81	.78	.75	.73
4.0	.83	.76	.71	.81	.75	.70	.79	.74	.69	.77	.72	.69	.75	.71	.68	.66
5.0	.76	.69	.63	.75	.68	.63	.73	.67	.63	.71	.66	.62	.69	.65	.61	.60
6.0	.70	.62	.57	.69	.62	.57	.67	.61	.57	.66	.60	.56	.64	.60	.56	.54
7.0	.64	.57	.52	.64	.57	.52	.62	.56	.52	.61	.55	.51	.60	.55	.51	.49
8.0	.60	.52	.48	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.50	.47	.45
9.0	.55	.48	.44	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.41
10.0	.52	.45	.40	.51	.44	.40	.50	.44	.40	.49	.44	.40	.48	.43	.40	.38



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	.215	.122	.039	.208	.119	.038	.195	.112	.036	.183	.106	.034	.173	.100	.032	
2.0	.208	.114	.035	.203	.112	.034	.192	.107	.033	.182	.102	.032	.172	.097	.031	
3.0	.199	.106	.032	.194	.104	.031	.185	.100	.030	.176	.096	.030	.168	.093	.029	
4.0	.190	.099	.029	.185	.097	.029	.177	.094	.028	.169	.091	.027	.162	.088	.027	
5.0	.180	.092	.027	.176	.090	.026	.169	.088	.026	.162	.086	.025	.156	.083	.025	
6.0	.171	.086	.025	.168	.085	.024	.161	.083	.024	.155	.081	.024	.149	.079	.023	
7.0	.163	.080	.023	.159	.079	.023	.154	.078	.022	.148	.076	.022	.143	.074	.022	
8.0	.155	.076	.021	.152	.075	.021	.147	.073	.021	.142	.072	.021	.137	.070	.021	
9.0	.147	.071	.020	.145	.071	.020	.140	.069	.020	.136	.068	.019	.131	.067	.019	
10.0	.140	.067	.019	.138	.067	.019	.134	.066	.018	.130	.064	.018	.126	.063	.018	

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	.174	.157	.142	.149	.135	.122	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.161	.132	.108	.138	.114	.093	.095	.079	.065	.055	.046	.038	.017	.015	.012	
3.0	.151	.114	.084	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.116	.077	.048	.080	.054	.034	.046	.031	.020	.015	.010	.007	
6.0	.128	.080	.045	.110	.069	.039	.076	.048	.028	.044	.028	.017	.014	.009	.005	
7.0	.122	.073	.038	.105	.063	.033	.072	.044	.024	.042	.026	.014	.014	.009	.005	
8.0	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.012	.007	.003	
10.0	.106	.057	.025	.092	.050	.022	.064	.035	.015	.037	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	25.7	26.9	25.9	27.1	27.2	18.6	19.8	18.9	20.0	20.2
	3H	25.6	26.6	25.8	26.8	27.1	18.7	19.7	18.9	20.0	20.2
	4H	25.5	26.5	25.8	26.7	27.0	18.7	19.7	19.0	19.9	20.2
	6H	25.4	26.3	25.7	26.6	26.9	18.7	19.7	19.0	19.9	20.2
	8H	25.4	26.3	25.7	26.5	26.8	18.8	19.7	19.1	19.9	20.2
	12H	25.3	26.2	25.6	26.5	26.7	18.8	19.7	19.1	20.0	20.2
4H	2H	25.5	26.5	25.7	26.7	26.9	19.0	20.0	19.3	20.2	20.5
	3H	25.3	26.2	25.7	26.5	26.8	19.1	19.9	19.4	20.2	20.5
	4H	25.3	26.1	25.6	26.4	26.7	19.2	19.9	19.5	20.2	20.6
	6H	25.2	25.9	25.6	26.2	26.6	19.3	20.0	19.6	20.3	20.6
	8H	25.2	25.8	25.6	26.2	26.5	19.3	20.0	19.7	20.3	20.7
	12H	25.1	25.7	25.6	26.1	26.5	19.4	20.0	19.8	20.3	20.7
8H	4H	25.2	25.8	25.6	26.2	26.5	19.1	19.8	19.5	20.1	20.5
	6H	25.1	25.6	25.5	26.0	26.5	19.3	19.8	19.7	20.2	20.6
	8H	25.1	25.5	25.5	26.0	26.4	19.4	19.9	19.9	20.3	20.7
	12H	25.1	25.4	25.5	25.9	26.4	19.5	19.9	20.0	20.4	20.9
12H	4H	25.1	25.7	25.5	26.1	26.5	19.1	19.7	19.5	20.1	20.5
	6H	25.1	25.5	25.5	26.0	26.4	19.3	19.8	19.8	20.2	20.6
	8H	25.1	25.4	25.5	25.9	26.4	19.4	19.8	19.9	20.3	20.7
Variations with the observer position at spacings:											
S = 1.0H		+ 2.4 / - 4.8					+ 1.9 / - 3.6				
1.5H		+ 2.4 / - 2.9					+ 3.4 / - 4.2				
2.0H		+ 5.1 / - 8.6					+ 3.7 / - 2.0				

CIE Pub.117 Corrected 11370 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	74	66	60	74	65	60	73	65	60	55
0.80	84	75	70	83	75	70	81	74	70	65
1.00	91	83	78	90	83	78	88	83	77	72
1.25	96	89	85	95	89	84	93	87	83	78
1.50	100	94	89	99	93	89	96	91	87	82
2.00	104	99	95	103	98	94	100	96	93	87
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	98	91
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	105	106	104	102	94
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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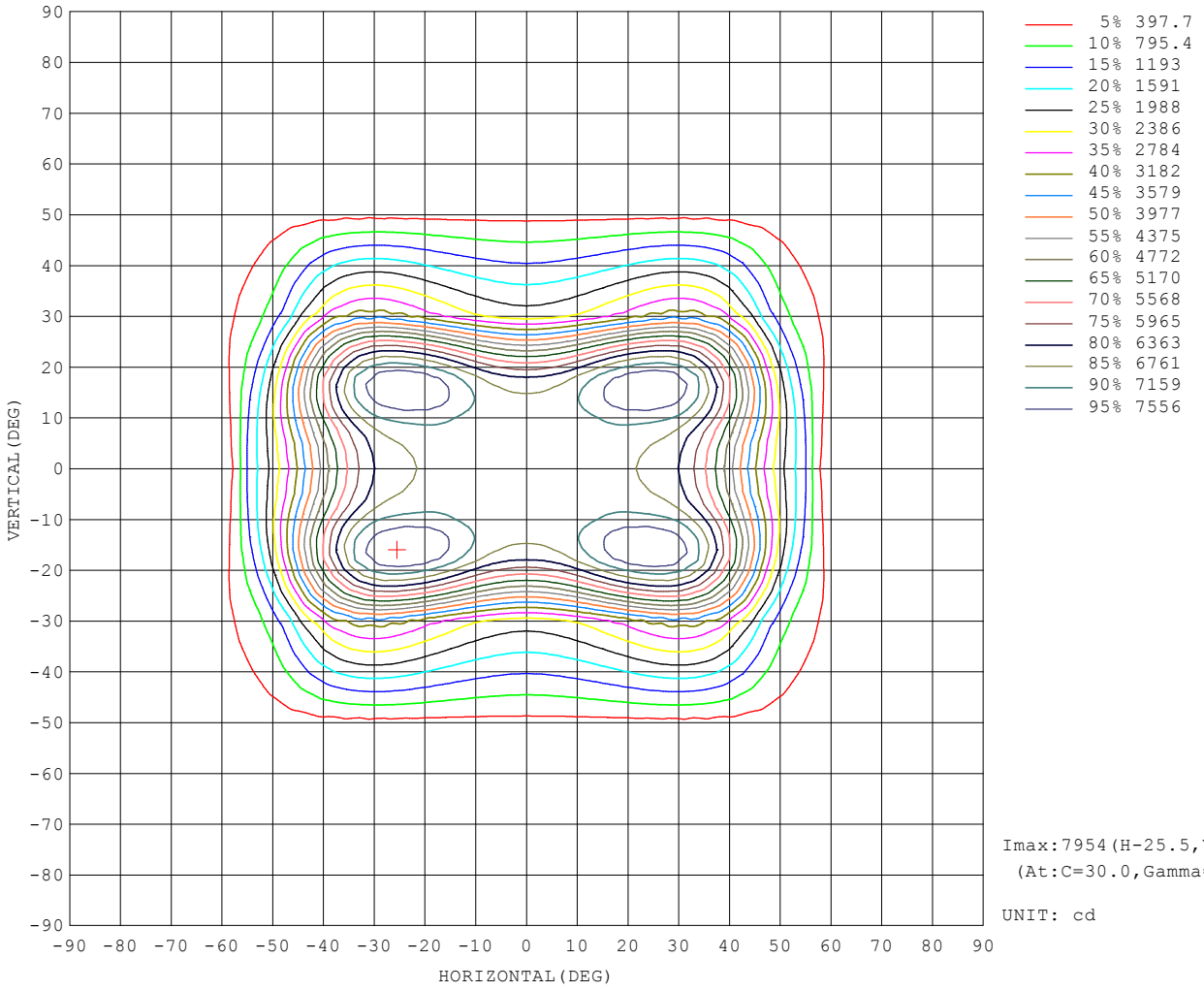
Remarks:

ISOCANDELA DIAGRAM



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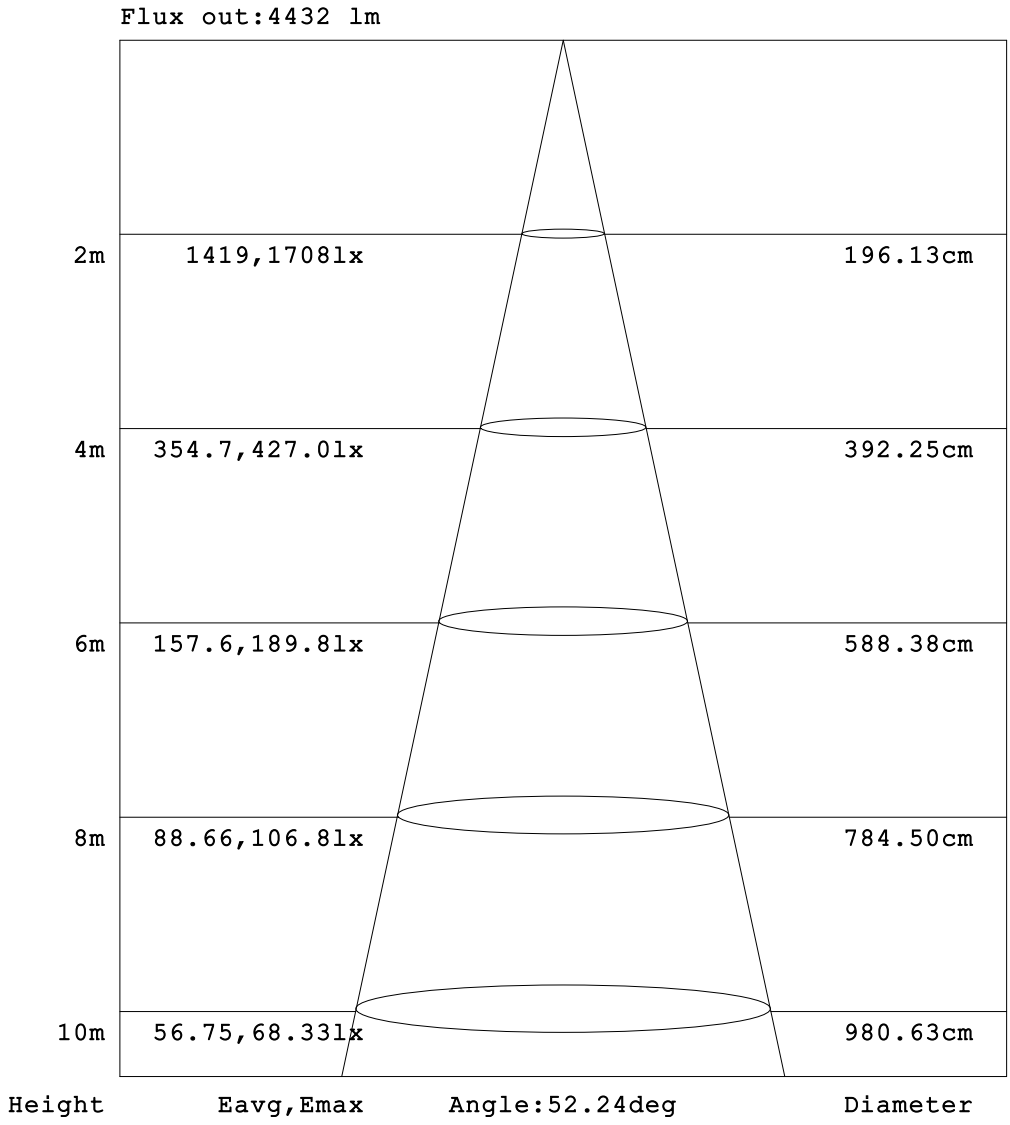
Remarks:

AAI Figure



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

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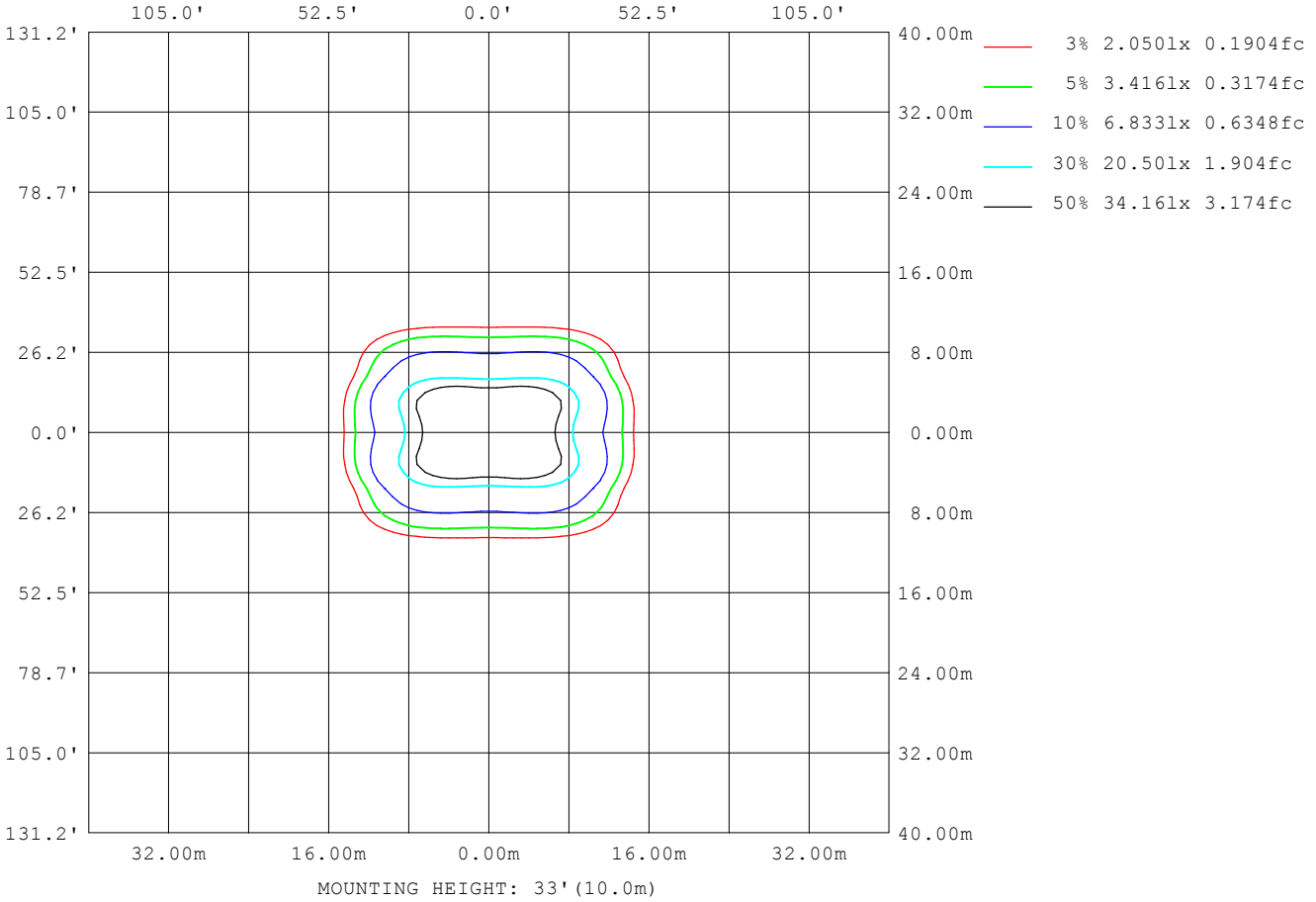
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.4108A P:91.04W PF:0.9635 Lamp Flux:11369.7x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

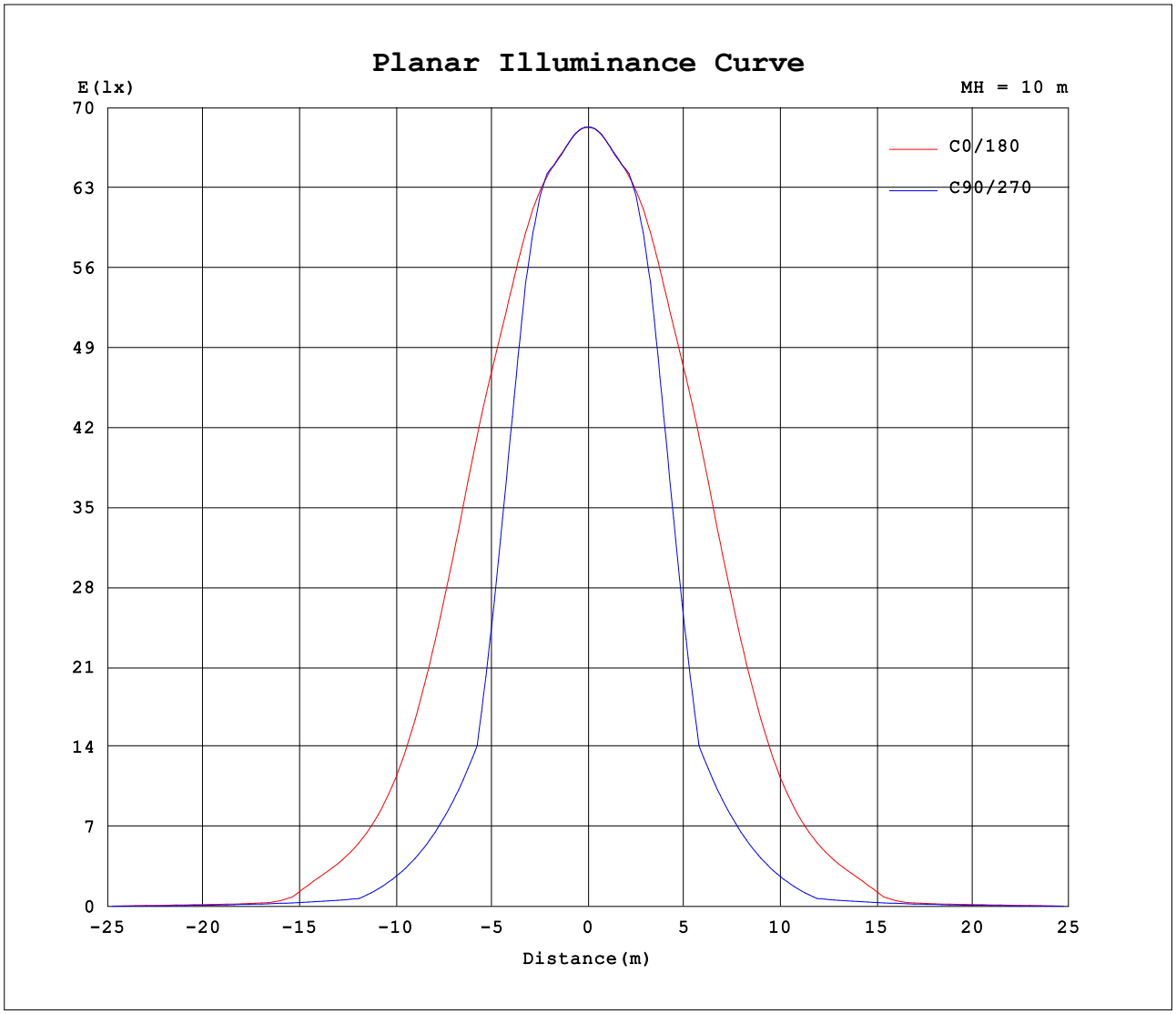
AvgL	cd/m2
L_0~180(65)av	7036
L_0~180(75)av	3851
L_0~180(85)av	618
L_90~270(65)av	4932
L_90~270(75)av	4540
L_90~270(85)av	6924
L_45(65)av	6596
L_45(75)av	4285
L_45(85)av	4579

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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:2017-04-17

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: cd

C(DEG) / γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833
5	6806	6805	6805	6805	6805	6806	6806	6806	6806	6807	6808	6809	6808	6808	6808	6809	6809	6808	6808
10	6810	6809	6808	6807	6804	6799	6793	6786	6786	6786	6785	6787	6793	6798	6802	6804	6805	6806	6807
15	6882	6885	6890	6897	6905	6921	6950	6985	7013	7042	7057	7037	6990	6941	6887	6824	6777	6748	6737
20	6816	6834	6873	6929	7031	7171	7325	7480	7517	7464	7320	7114	6879	6619	6334	6107	5943	5843	5808
25	6636	6675	6758	6915	7179	7511	7774	7861	7771	7502	6971	6405	5866	5345	4912	4561	4297	4137	4083
30	6352	6414	6558	6906	7400	7807	7954	7803	7219	6524	5751	4933	4186	3550	3040	2655	2387	2229	2175
35	5617	5722	6040	6652	7295	7605	7434	6824	5973	4955	3923	2953	2576	2309	2093	1925	1803	1728	1701
40	4515	4674	5186	5940	6469	6504	6060	5244	4138	3164	2764	2394	2073	1806	1594	1433	1320	1250	1226
45	3206	3417	4001	4621	4907	4740	4175	3216	2867	2518	2150	1801	1495	1248	1057	919	824	770	751
50	2115	2275	2635	2895	2956	2745	2327	2257	2048	1753	1428	1114	844	634	483	381	319	286	277
55	1201	1253	1339	1366	1306	1208	1334	1351	1209	942	634	350	264	253	245	238	234	233	233
60	246	269	399	556	556	599	650	630	459	251	235	225	217	208	201	195	190	189	190
65	208	205	208	248	295	311	286	217	208	195	182	174	168	162	157	151	146	145	146
70	115	117	118	132	155	156	157	156	148	136	127	121	117	114	112	107	102	101	102
75	69.8	71.0	73.9	82.0	96.8	103	104	102	91.0	77.6	73.5	76.3	79.2	80.8	81.9	80.5	78.0	78.7	82.3
80	36.7	36.6	42.7	50.5	60.9	64.6	60.7	60.3	55.5	50.9	50.1	52.0	54.3	55.6	56.7	56.2	54.8	56.9	62.3
85	3.77	13.9	23.8	27.4	32.0	34.5	32.8	32.5	30.5	27.9	27.3	28.3	29.7	30.5	31.5	31.8	31.6	35.1	42.2
90	1.48	4.10	4.67	4.87	5.05	5.25	4.88	5.17	4.79	4.65	4.87	4.93	5.20	5.61	6.36	7.29	8.31	13.3	22.2

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

γ (DEG) \ C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833
5	6808	6809	6809	6808	6808	6808	6809	6808	6807	6806	6806	6806	6806	6805	6805	6805	6805	6806	6805
10	6806	6805	6804	6802	6798	6793	6787	6785	6786	6786	6786	6793	6799	6804	6807	6808	6809	6810	6809
15	6748	6777	6824	6887	6941	6990	7037	7057	7042	7013	6985	6950	6921	6905	6897	6890	6885	6882	6885
20	5843	5943	6107	6334	6619	6879	7114	7320	7464	7517	7480	7325	7171	7031	6929	6873	6834	6816	6834
25	4137	4297	4561	4912	5345	5866	6405	6971	7502	7771	7861	7774	7511	7179	6915	6758	6675	6636	6675
30	2229	2387	2655	3040	3550	4186	4933	5751	6524	7219	7803	7954	7807	7400	6906	6558	6414	6352	6414
35	1728	1803	1925	2093	2309	2576	2953	3923	4955	5973	6824	7434	7605	7295	6652	6040	5722	5617	5722
40	1250	1320	1433	1594	1806	2073	2394	2764	3164	4138	5244	6060	6504	6469	5940	5186	4674	4515	4674
45	770	824	919	1057	1248	1495	1801	2150	2518	2867	3216	4175	4740	4907	4621	4001	3417	3206	3417
50	286	319	381	483	634	844	1114	1428	1753	2048	2257	2327	2745	2956	2895	2635	2275	2115	2275
55	233	234	238	245	253	264	350	634	942	1209	1351	1334	1208	1306	1366	1339	1253	1201	1253
60	189	190	195	201	208	217	225	235	251	459	630	650	599	556	556	399	269	246	269
65	145	146	151	157	162	168	174	182	195	208	217	286	311	295	248	208	205	208	205
70	101	102	107	112	114	117	121	127	136	148	156	157	156	155	132	118	117	115	117
75	78.7	78.0	80.5	81.9	80.8	79.2	76.3	73.5	77.6	91.0	102	104	103	96.8	82.0	73.9	71.0	69.8	71.0
80	56.9	54.8	56.2	56.7	55.6	54.3	52.0	50.1	50.9	55.5	60.3	60.7	64.6	60.9	50.5	42.7	36.6	36.7	36.6
85	35.1	31.6	31.8	31.5	30.5	29.7	28.3	27.3	27.9	30.5	32.5	32.8	34.5	32.0	27.4	23.8	13.9	3.77	13.9
90	13.3	8.31	7.29	6.36	5.61	5.20	4.93	4.87	4.65	4.79	5.17	4.88	5.25	5.05	4.87	4.67	4.10	1.48	4.10

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

C(DEG) / γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833
5	6805	6805	6805	6806	6806	6806	6806	6807	6808	6809	6808	6808	6808	6809	6809	6808	6808	6808	6809
10	6808	6807	6804	6799	6793	6786	6786	6786	6785	6787	6793	6798	6802	6804	6805	6806	6807	6806	6805
15	6890	6897	6905	6921	6950	6985	7013	7042	7057	7037	6990	6941	6887	6824	6777	6748	6737	6748	6777
20	6873	6929	7031	7171	7325	7480	7517	7464	7320	7114	6879	6619	6334	6107	5943	5843	5808	5843	5943
25	6758	6915	7179	7511	7774	7861	7771	7502	6971	6405	5866	5345	4912	4561	4297	4137	4083	4137	4297
30	6558	6906	7400	7807	7954	7803	7219	6524	5751	4933	4186	3550	3040	2655	2387	2229	2175	2229	2387
35	6040	6652	7295	7605	7434	6824	5973	4955	3923	2953	2576	2309	2093	1925	1803	1728	1701	1728	1803
40	5186	5940	6469	6504	6060	5244	4138	3164	2764	2394	2073	1806	1594	1433	1320	1250	1226	1250	1320
45	4001	4621	4907	4740	4175	3216	2867	2518	2150	1801	1495	1248	1057	919	824	770	751	770	824
50	2635	2895	2956	2745	2327	2257	2048	1753	1428	1114	844	634	483	381	319	286	277	286	319
55	1339	1366	1306	1208	1334	1351	1209	942	634	350	264	253	245	238	234	233	233	233	234
60	399	556	556	599	650	630	459	251	235	225	217	208	201	195	190	189	190	189	190
65	208	248	295	311	286	217	208	195	182	174	168	162	157	151	146	145	146	145	146
70	118	132	155	156	157	156	148	136	127	121	117	114	112	107	102	101	102	101	102
75	73.9	82.0	96.8	103	104	102	91.0	77.6	73.5	76.3	79.2	80.8	81.9	80.5	78.0	78.7	82.3	78.7	78.0
80	42.7	50.5	60.9	64.6	60.7	60.3	55.5	50.9	50.1	52.0	54.3	55.6	56.7	56.2	54.8	56.9	62.3	56.9	54.8
85	23.8	27.4	32.0	34.5	32.8	32.5	30.5	27.9	27.3	28.3	29.7	30.5	31.5	31.8	31.6	35.1	42.2	35.1	31.6
90	4.67	4.87	5.05	5.25	4.88	5.17	4.79	4.65	4.87	4.93	5.20	5.61	6.36	7.29	8.31	13.3	22.2	13.3	8.31

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833	6833				
5	6809	6808	6808	6808	6809	6808	6807	6806	6806	6806	6806	6805	6805	6805	6805				
10	6804	6802	6798	6793	6787	6785	6786	6786	6786	6793	6799	6804	6807	6808	6809				
15	6824	6887	6941	6990	7037	7057	7042	7013	6985	6950	6921	6905	6897	6890	6885				
20	6107	6334	6619	6879	7114	7320	7464	7517	7480	7325	7171	7031	6929	6873	6834				
25	4561	4912	5345	5866	6405	6971	7502	7771	7861	7774	7511	7179	6915	6758	6675				
30	2655	3040	3550	4186	4933	5751	6524	7219	7803	7954	7807	7400	6906	6558	6414				
35	1925	2093	2309	2576	2953	3923	4955	5973	6824	7434	7605	7295	6652	6040	5722				
40	1433	1594	1806	2073	2394	2764	3164	4138	5244	6060	6504	6469	5940	5186	4674				
45	919	1057	1248	1495	1801	2150	2518	2867	3216	4175	4740	4907	4621	4001	3417				
50	381	483	634	844	1114	1428	1753	2048	2257	2327	2745	2956	2895	2635	2275				
55	238	245	253	264	350	634	942	1209	1351	1334	1208	1306	1366	1339	1253				
60	195	201	208	217	225	235	251	459	630	650	599	556	556	399	269				
65	151	157	162	168	174	182	195	208	217	286	311	295	248	208	205				
70	107	112	114	117	121	127	136	148	156	157	156	155	132	118	117				
75	80.5	81.9	80.8	79.2	76.3	73.5	77.6	91.0	102	104	103	96.8	82.0	73.9	71.0				
80	56.2	56.7	55.6	54.3	52.0	50.1	50.9	55.5	60.3	60.7	64.6	60.9	50.5	42.7	36.6				
85	31.8	31.5	30.5	29.7	28.3	27.3	27.9	30.5	32.5	32.8	34.5	32.0	27.4	23.8	13.9				
90	7.29	6.36	5.61	5.20	4.93	4.87	4.65	4.79	5.17	4.88	5.25	5.05	4.87	4.67	4.10				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: