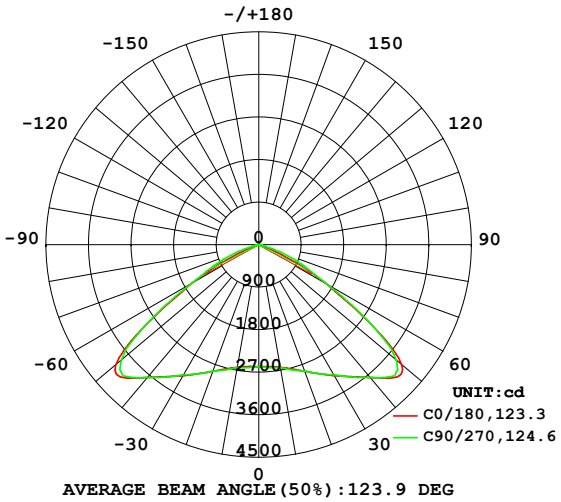
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.4104A P:90.96W PF:0.9636 Lamp Flux:11107.8x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

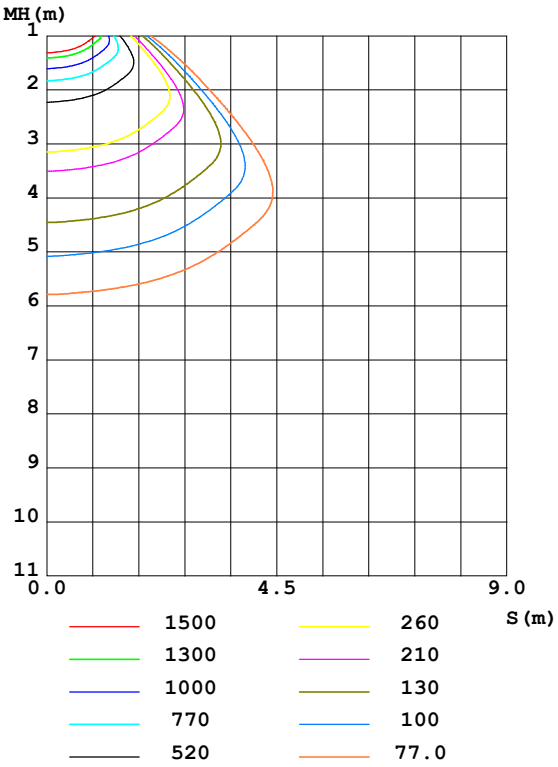
DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.12 lm/W			
MODEL	LHB01-90	Imax(cd)	4068	S/MH(C0/180)	1.94
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	1.93
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	11108	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	11107.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):123.9 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	2588	2606	2610	2606	2588	2606	2610	2606	0- 5	62.05	62.05	0.56,0.56
10	2636	2654	2640	2654	2636	2654	2640	2654	5- 10	187.9	250.0	2.25,2.25
15	2724	2735	2744	2735	2724	2735	2744	2735	10- 15	319.6	569.5	5.13,5.13
20	2853	2870	2847	2870	2853	2870	2847	2870	15- 20	461.8	1031	9.28,9.28
25	3013	3022	3013	3022	3013	3022	3013	3022	20- 25	616.8	1648	14.8,14.8
30	3199	3208	3178	3208	3199	3208	3178	3208	25- 30	787.6	2436	21.9,21.9
35	3410	3422	3422	3422	3410	3422	3422	3422	30- 35	974.5	3410	30.7,30.7
40	3671	3656	3665	3656	3671	3656	3665	3656	35- 40	1183	4594	41.4,41.4
45	3990	3870	3951	3870	3990	3870	3951	3870	40- 45	1413	6007	54.1,54.1
50	3945	3878	3798	3878	3945	3878	3798	3878	45- 50	1596	7603	68.4,68.4
55	2807	2850	2834	2850	2807	2850	2834	2850	50- 55	1475	9078	81.7,81.7
60	1610	1586	1642	1586	1610	1586	1642	1586	55- 60	1012	10090	90.8,90.8
65	689.6	700.0	1032	700.0	689.6	700.0	1032	700.0	60- 65	565.1	10655	95.9,95.9
70	103.1	270.9	552.5	270.9	103.1	270.9	552.5	270.9	65- 70	268.0	10923	98.3,98.3
75	71.61	141.5	118.3	141.5	71.61	141.5	118.3	141.5	70- 75	115.0	11038	99.4,99.4
80	41.56	49.00	49.83	49.00	41.56	49.00	49.83	49.00	75- 80	41.25	11079	99.7,99.7
85	4.510	26.87	27.09	26.87	4.510	26.87	27.09	26.87	80- 85	20.75	11100	99.9,99.9
90	3.034	4.588	4.354	4.588	3.034	4.588	4.354	4.588	85- 90	8.049	11108	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): 6006.8 lm

%lum = 54.1%
%lamp = 54.1%

Conical surface Flux(120deg): 10090 lm

%lum = 90.8%
%lamp = 90.8%

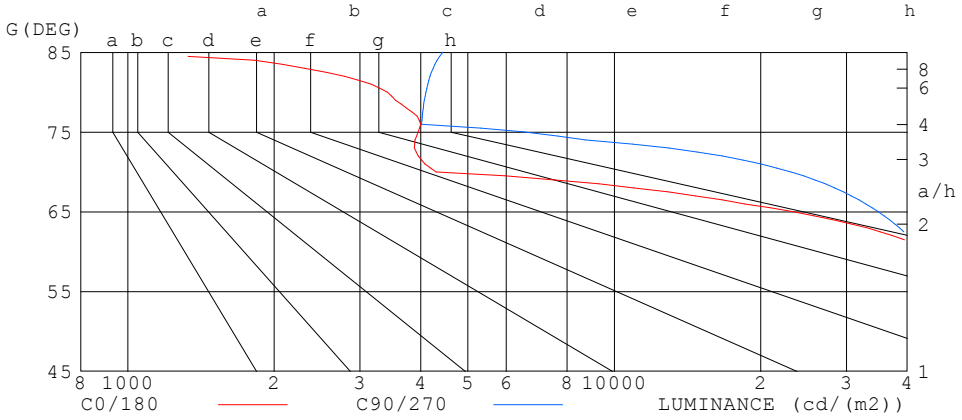
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	739	4441
80	3419	4099
75	3952	6529
70	4305	23076
65	23311	34897
60	45992	46913
55	69910	70580
50	87669	84400
45	80611	79815

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C Interval: 5.0DEG
Test Speed: HIGH
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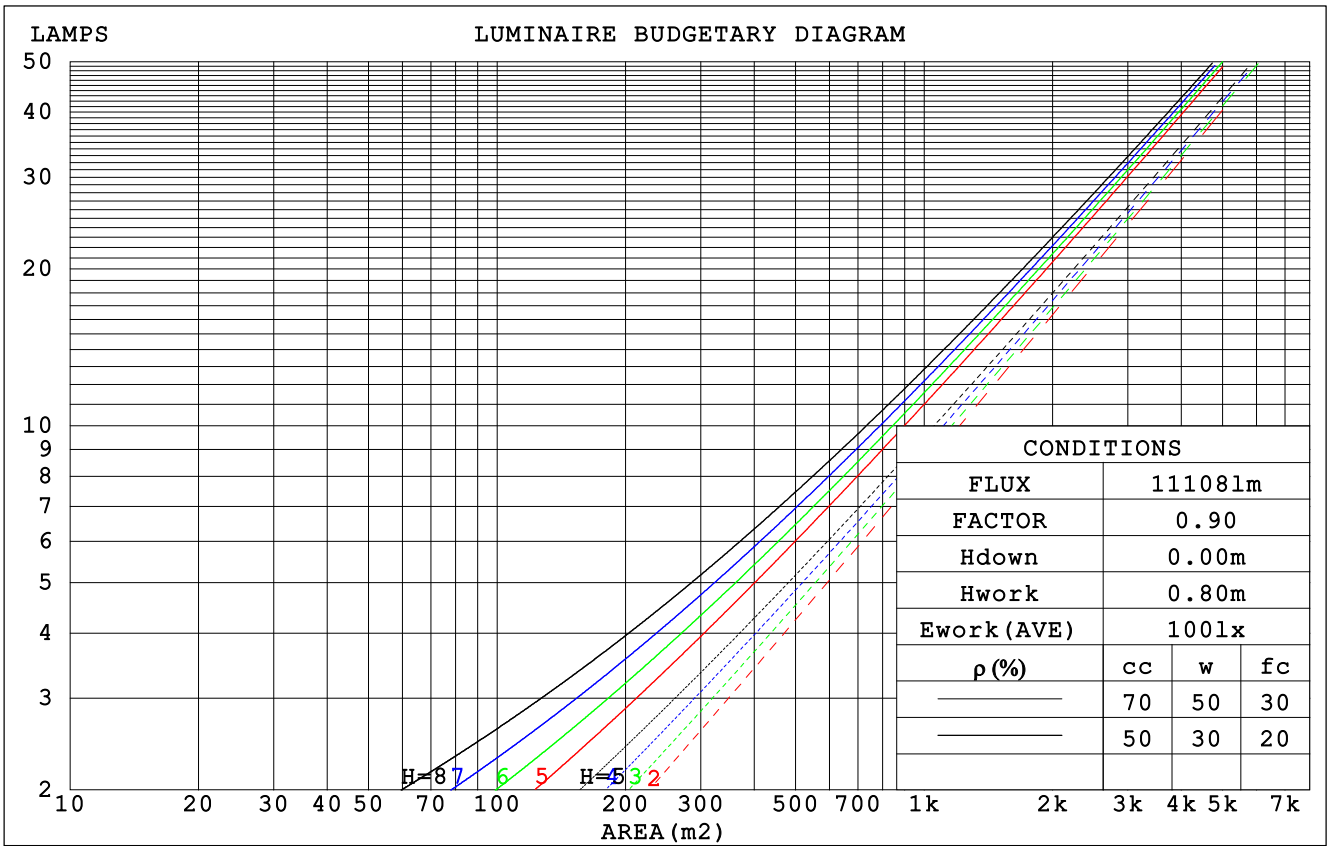
Operators:
Test Date:2017-04-17

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:

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	1.06	1.02	.99	1.04	1.00	.97	.00	.97	.94	.96	.94	.91	.92	.90	.89	.87
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.75	.73
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.57	.48	.42	.56	.48	.41	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.37	.32	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.33	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.29	.24	.23



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	.268	.152	.048	.261	.149	.047	.248	.142	.045	.236	.136	.044	.225	.130	.042	
2.0	.265	.145	.045	.259	.142	.044	.247	.137	.043	.237	.133	.042	.227	.128	.040	
3.0	.254	.135	.040	.248	.133	.040	.238	.129	.039	.229	.125	.038	.220	.122	.038	
4.0	.240	.125	.037	.235	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.226	.115	.033	.221	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.196	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.085	.024	.168	.083	.024	.163	.082	.023	.159	.081	.023	
10.0	.166	.080	.022	.164	.079	.022	.159	.078	.022	.154	.077	.022	.150	.076	.022	

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	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.169	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.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	27.9	29.4	28.2	29.6	29.8	28.0	29.5	28.3	29.7	29.9
	3H	27.8	29.2	28.1	29.4	29.7	28.3	29.7	28.6	29.9	30.1
	4H	27.7	29.0	28.1	29.3	29.5	28.2	29.5	28.5	29.8	30.0
	6H	27.6	28.9	28.0	29.1	29.4	28.1	29.3	28.4	29.6	29.9
	8H	27.6	28.8	27.9	29.0	29.3	28.1	29.2	28.4	29.5	29.8
	12H	27.5	28.7	27.9	29.0	29.3	28.0	29.1	28.4	29.4	29.7
4H	2H	28.0	29.3	28.3	29.5	29.8	28.1	29.4	28.4	29.6	29.9
	3H	27.9	29.0	28.3	29.3	29.6	28.4	29.5	28.7	29.8	30.1
	4H	27.8	28.9	28.2	29.2	29.5	28.3	29.4	28.7	29.7	30.0
	6H	27.8	28.7	28.2	29.0	29.4	28.3	29.2	28.7	29.5	29.9
	8H	27.7	28.5	28.1	28.9	29.3	28.2	29.0	28.6	29.4	29.8
	12H	27.7	28.4	28.1	28.8	29.2	28.2	28.9	28.6	29.3	29.7
8H	4H	27.8	28.6	28.2	28.9	29.3	28.2	29.0	28.6	29.4	29.8
	6H	27.7	28.4	28.1	28.8	29.2	28.2	28.8	28.6	29.2	29.7
	8H	27.7	28.2	28.1	28.7	29.1	28.1	28.7	28.6	29.1	29.6
	12H	27.6	28.1	28.1	28.6	29.0	28.1	28.6	28.6	29.1	29.5
12H	4H	27.7	28.5	28.1	28.8	29.2	28.2	28.9	28.6	29.3	29.7
	6H	27.7	28.2	28.1	28.7	29.1	28.1	28.7	28.6	29.1	29.6
	8H	27.6	28.1	28.1	28.6	29.0	28.1	28.6	28.6	29.1	29.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.6					+ 0.3 / - 0.4				
1.5H		+ 1.1 / - 2.9					+ 0.9 / - 2.3				
2.0H		+ 2.2 / - 3.9					+ 2.0 / - 3.8				

CIE Pub.117 Corrected 11108 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
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:

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	54	41	34	53	41	34	52	40	34	27
0.80	66	54	46	65	53	46	63	52	46	38
1.00	76	65	58	75	65	58	73	66	57	50
1.25	85	74	68	83	74	67	81	72	66	59
1.50	90	81	74	88	80	73	85	78	72	65
2.00	97	89	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	81
4.00	107	102	98	105	101	97	101	97	94	85
5.00	109	105	101	107	103	100	103	99	96	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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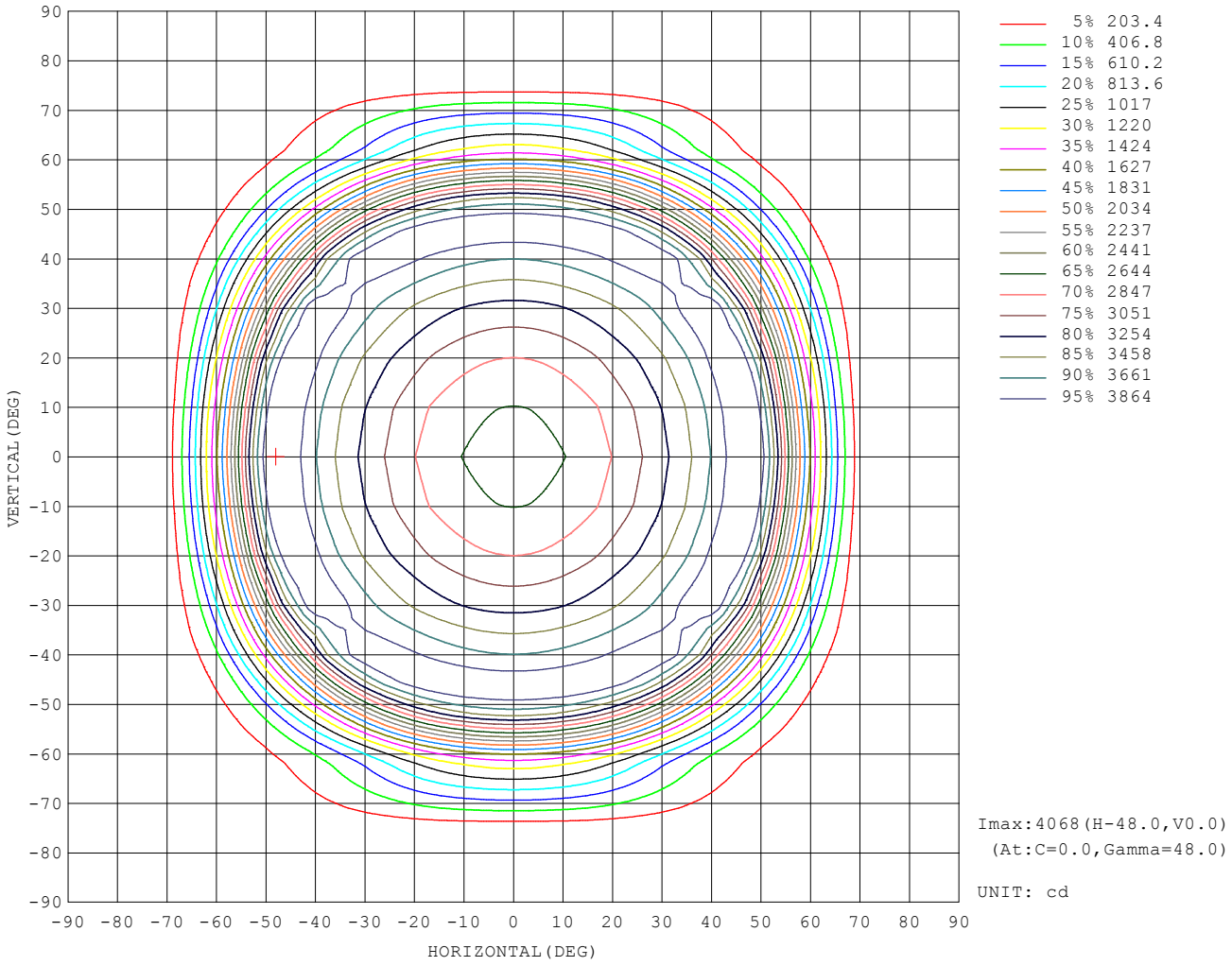
Test Distance:9.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM



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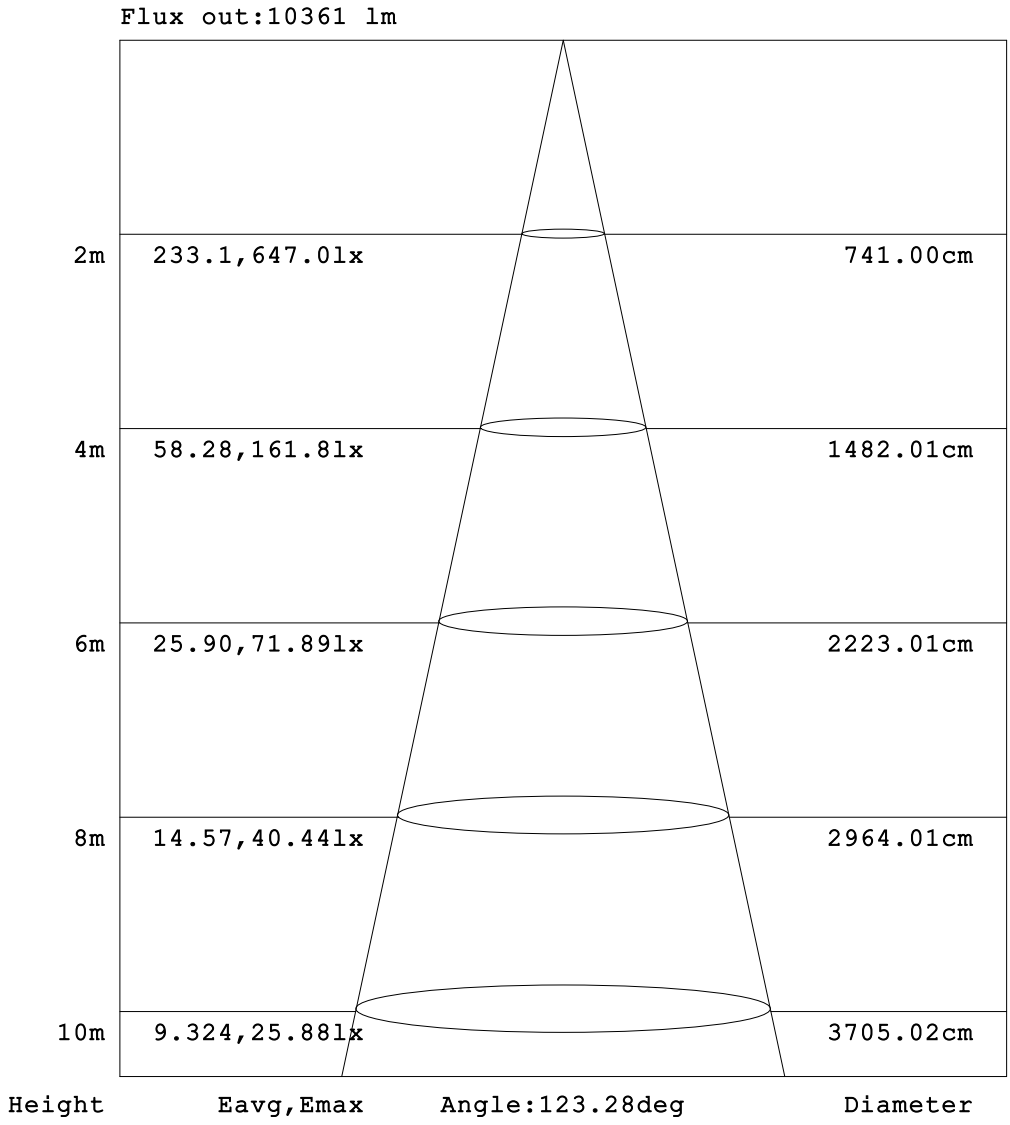
Remarks:

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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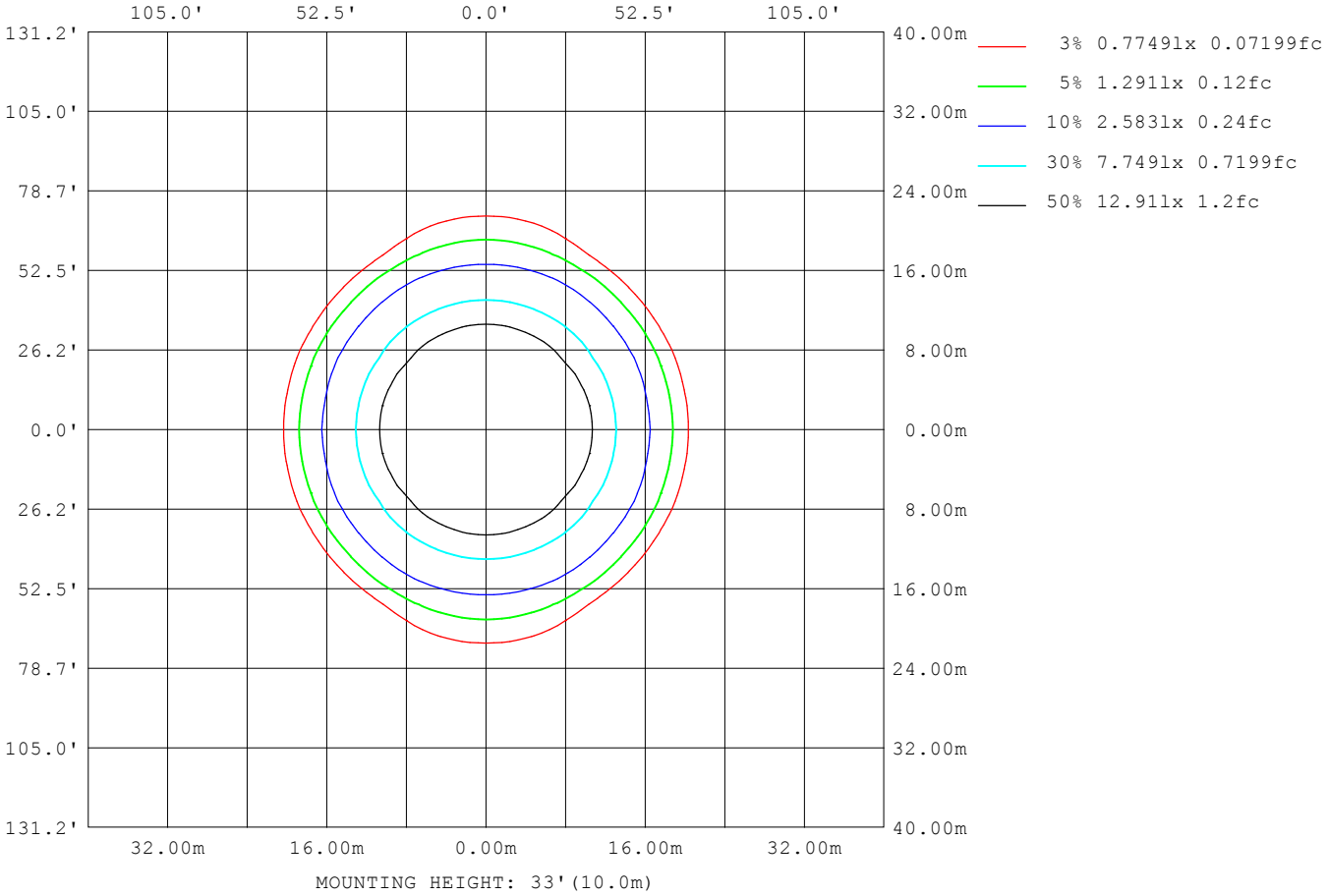
Test Distance:9.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.4104A P:90.96W PF:0.9636 Lamp Flux:11107.8x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

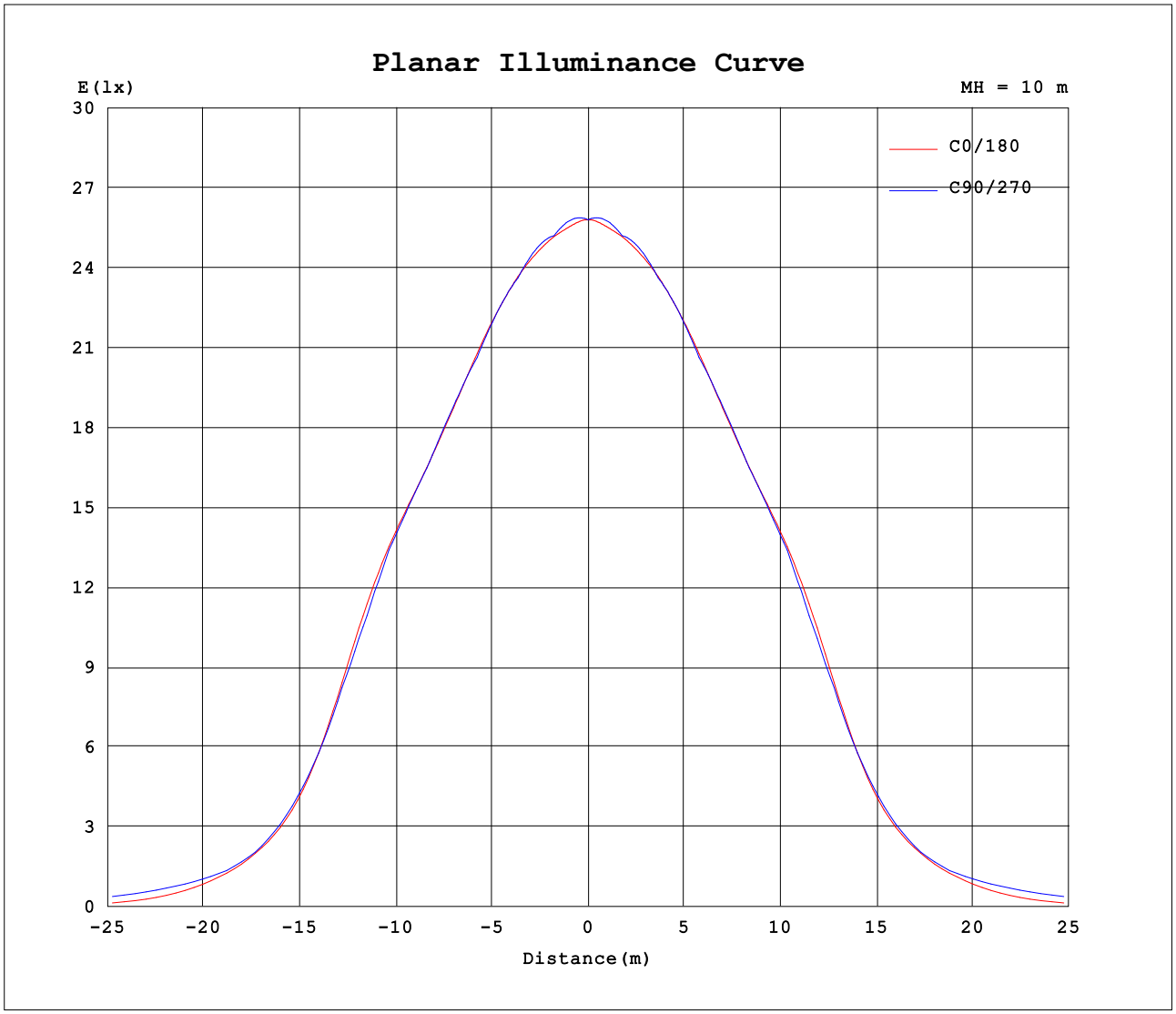
AvgL	cd/m2
L_0~180(65)av	23311
L_0~180(75)av	3952
L_0~180(85)av	739
L_90~270(65)av	34897
L_90~270(75)av	6529
L_90~270(85)av	4441
L_45(65)av	23662
L_45(75)av	7810
L_45(85)av	4404

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

γ (DEG) \ C(DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581
5	2588	2591	2594	2596	2599	2601	2602	2604	2605	2606	2607	2608	2609	2610	2610	2610	2610	2610	2610
10	2636	2642	2647	2651	2654	2655	2656	2656	2655	2654	2652	2650	2648	2646	2644	2642	2641	2640	2640
15	2724	2733	2739	2743	2744	2744	2741	2737	2732	2735	2739	2741	2742	2743	2743	2743	2744	2744	2744
20	2853	2864	2869	2871	2868	2862	2857	2864	2868	2870	2869	2867	2864	2860	2856	2852	2849	2848	2847
25	3013	3025	3029	3027	3019	3020	3027	3029	3027	3022	3013	3014	3016	3016	3016	3015	3014	3013	3013
30	3199	3211	3214	3207	3205	3212	3212	3207	3202	3208	3209	3207	3203	3198	3192	3186	3182	3179	3178
35	3410	3423	3422	3412	3424	3423	3413	3419	3424	3422	3414	3403	3412	3419	3423	3423	3423	3422	3422
40	3671	3686	3680	3682	3685	3671	3678	3681	3671	3656	3662	3673	3680	3681	3679	3675	3670	3666	3665
45	3990	3997	3985	3979	3976	3939	3943	3954	3866	3870	3905	3934	3934	3939	3937	3944	3946	3949	3951
50	3945	3913	3910	3890	3862	3819	3859	3705	3737	3878	3840	3837	3858	3822	3808	3790	3789	3796	3798
55	2807	2775	2775	2817	2784	2828	2787	2809	2843	2850	2859	2863	2863	2871	2861	2849	2840	2836	2834
60	1610	1578	1572	1577	1596	1603	1593	1580	1578	1586	1597	1619	1635	1644	1651	1654	1649	1644	1642
65	690	681	687	691	707	694	684	689	692	700	702	723	775	860	935	982	1010	1027	1032
70	103	130	178	207	207	211	218	224	238	271	334	394	449	497	530	547	551	552	552
75	71.6	69.0	69.4	88.2	103	106	109	116	127	141	158	169	168	157	142	138	128	120	118
80	41.6	41.6	45.0	48.6	59.3	61.8	62.0	59.9	55.4	49.0	47.7	50.1	51.2	51.0	52.0	54.2	52.7	50.2	49.8
85	4.51	14.5	20.3	21.3	24.2	27.2	28.4	28.8	28.1	26.9	26.1	27.1	27.8	27.7	28.2	29.3	28.6	27.3	27.1
90	3.03	4.55	4.79	4.68	4.65	4.55	4.70	4.66	4.62	4.59	4.57	4.54	4.53	4.50	4.48	4.43	4.40	4.37	4.35

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	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581
5	2610	2610	2610	2610	2610	2609	2608	2607	2606	2605	2604	2602	2601	2599	2596	2594	2591	2588	2591
10	2640	2641	2642	2644	2646	2648	2650	2652	2654	2655	2656	2656	2655	2654	2651	2647	2642	2636	2642
15	2744	2744	2743	2743	2743	2742	2741	2739	2735	2732	2737	2741	2744	2744	2743	2739	2733	2724	2733
20	2848	2849	2852	2856	2860	2864	2867	2869	2870	2868	2864	2857	2862	2868	2871	2869	2864	2853	2864
25	3013	3014	3015	3016	3016	3016	3014	3013	3022	3027	3029	3027	3020	3019	3027	3029	3025	3013	3025
30	3179	3182	3186	3192	3198	3203	3207	3209	3208	3202	3207	3212	3212	3205	3207	3214	3211	3199	3211
35	3422	3423	3423	3423	3419	3412	3403	3414	3422	3424	3419	3413	3423	3424	3412	3422	3423	3410	3423
40	3666	3670	3675	3679	3681	3680	3673	3662	3656	3671	3681	3678	3671	3685	3682	3680	3686	3671	3686
45	3949	3946	3944	3937	3939	3934	3934	3905	3870	3866	3954	3943	3939	3976	3979	3985	3997	3990	3997
50	3796	3789	3790	3808	3822	3858	3837	3840	3878	3737	3705	3859	3819	3862	3890	3910	3913	3945	3913
55	2836	2840	2849	2861	2871	2863	2863	2859	2850	2843	2809	2787	2828	2784	2817	2775	2775	2807	2775
60	1644	1649	1654	1651	1644	1635	1619	1597	1586	1578	1580	1593	1603	1596	1577	1572	1578	1610	1578
65	1027	1010	982	935	860	775	723	702	700	692	689	684	694	707	691	687	681	690	681
70	552	551	547	530	497	449	394	334	271	238	224	218	211	207	207	178	130	103	130
75	120	128	138	142	157	168	169	158	141	127	116	109	106	103	88.2	69.4	69.0	71.6	69.0
80	50.2	52.7	54.2	52.0	51.0	51.2	50.1	47.7	49.0	55.4	59.9	62.0	61.8	59.3	48.6	45.0	41.6	41.6	41.6
85	27.3	28.6	29.3	28.2	27.7	27.8	27.1	26.1	26.9	28.1	28.8	28.4	27.2	24.2	21.3	20.3	14.5	4.51	14.5
90	4.37	4.40	4.43	4.48	4.50	4.53	4.54	4.57	4.59	4.62	4.66	4.70	4.55	4.65	4.68	4.79	4.55	3.03	4.55

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	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581
5	2594	2596	2599	2601	2602	2604	2605	2606	2607	2608	2609	2610	2610	2610	2610	2610	2610	2610	2610
10	2647	2651	2654	2655	2656	2656	2655	2654	2652	2650	2648	2646	2644	2642	2641	2640	2640	2640	2641
15	2739	2743	2744	2744	2741	2737	2732	2735	2739	2741	2742	2743	2743	2743	2744	2744	2744	2744	2744
20	2869	2871	2868	2862	2857	2864	2868	2870	2869	2867	2864	2860	2856	2852	2849	2848	2847	2848	2849
25	3029	3027	3019	3020	3027	3029	3027	3022	3013	3014	3016	3016	3016	3015	3014	3013	3013	3013	3014
30	3214	3207	3205	3212	3212	3207	3202	3208	3209	3207	3203	3198	3192	3186	3182	3179	3178	3179	3182
35	3422	3412	3424	3423	3413	3419	3424	3422	3414	3403	3412	3419	3423	3423	3423	3422	3422	3422	3423
40	3680	3682	3685	3671	3678	3681	3671	3656	3662	3673	3680	3681	3679	3675	3670	3666	3665	3666	3670
45	3985	3979	3976	3939	3943	3954	3866	3870	3905	3934	3934	3939	3937	3944	3946	3949	3951	3949	3946
50	3910	3890	3862	3819	3859	3705	3737	3878	3840	3837	3858	3822	3808	3790	3789	3796	3798	3796	3789
55	2775	2817	2784	2828	2787	2809	2843	2850	2859	2863	2863	2871	2861	2849	2840	2836	2834	2836	2840
60	1572	1577	1596	1603	1593	1580	1578	1586	1597	1619	1635	1644	1651	1654	1649	1644	1642	1644	1649
65	687	691	707	694	684	689	692	700	702	723	775	860	935	982	1010	1027	1032	1027	1010
70	178	207	207	211	218	224	238	271	334	394	449	497	530	547	551	552	552	552	551
75	69.4	88.2	103	106	109	116	127	141	158	169	168	157	142	138	128	120	118	120	128
80	45.0	48.6	59.3	61.8	62.0	59.9	55.4	49.0	47.7	50.1	51.2	51.0	52.0	54.2	52.7	50.2	49.8	50.2	52.7
85	20.3	21.3	24.2	27.2	28.4	28.8	28.1	26.9	26.1	27.1	27.8	27.7	28.2	29.3	28.6	27.3	27.1	27.3	28.6
90	4.79	4.68	4.65	4.55	4.70	4.66	4.62	4.59	4.57	4.54	4.53	4.50	4.48	4.43	4.40	4.37	4.35	4.37	4.40

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	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581	2581				
5	2610	2610	2610	2609	2608	2607	2606	2605	2604	2602	2601	2599	2596	2594	2591				
10	2642	2644	2646	2648	2650	2652	2654	2655	2656	2656	2655	2654	2651	2647	2642				
15	2743	2743	2743	2742	2741	2739	2735	2732	2737	2741	2744	2744	2743	2739	2733				
20	2852	2856	2860	2864	2867	2869	2870	2868	2864	2857	2862	2868	2871	2869	2864				
25	3015	3016	3016	3016	3014	3013	3022	3027	3029	3027	3020	3019	3027	3029	3025				
30	3186	3192	3198	3203	3207	3209	3208	3202	3207	3212	3212	3205	3207	3214	3211				
35	3423	3423	3419	3412	3403	3414	3422	3424	3419	3413	3423	3424	3412	3422	3423				
40	3675	3679	3681	3680	3673	3662	3656	3671	3681	3678	3671	3685	3682	3680	3686				
45	3944	3937	3939	3934	3934	3905	3870	3866	3954	3943	3939	3976	3979	3985	3997				
50	3790	3808	3822	3858	3837	3840	3878	3737	3705	3859	3819	3862	3890	3910	3913				
55	2849	2861	2871	2863	2863	2859	2850	2843	2809	2787	2828	2784	2817	2775	2775				
60	1654	1651	1644	1635	1619	1597	1586	1578	1580	1593	1603	1596	1577	1572	1578				
65	982	935	860	775	723	702	700	692	689	684	694	707	691	687	681				
70	547	530	497	449	394	334	271	238	224	218	211	207	207	178	130				
75	138	142	157	168	169	158	141	127	116	109	106	103	88.2	69.4	69.0				
80	54.2	52.0	51.0	51.2	50.1	47.7	49.0	55.4	59.9	62.0	61.8	59.3	48.6	45.0	41.6				
85	29.3	28.2	27.7	27.8	27.1	26.1	26.9	28.1	28.8	28.4	27.2	24.2	21.3	20.3	14.5				
90	4.43	4.48	4.50	4.53	4.54	4.57	4.59	4.62	4.66	4.70	4.55	4.65	4.68	4.79	4.55				

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: