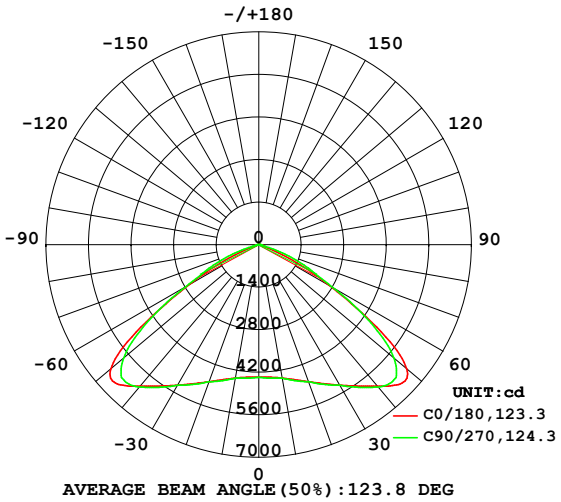
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6674A P:148.2W PF:0.9656 Lamp Flux:18310x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

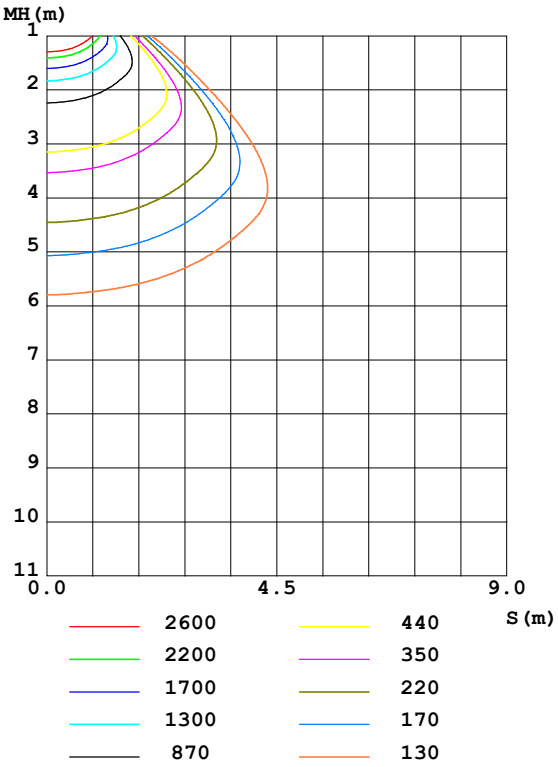
DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.55 lm/W			
MODEL	LHB01-150	Imax(cd)	6595	S/MH(C0/180)	1.93
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.89
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18310	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	18310	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	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%):123.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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	4383	4407	4413	4414	4383	4414	4413	4407	0- 5	105.0	105.0	0.57,0.57
10	4459	4478	4461	4501	4459	4501	4461	4478	5- 10	317.9	422.9	2.31,2.31
15	4604	4609	4632	4633	4604	4633	4632	4609	10- 15	540.2	963.1	5.26,5.26
20	4802	4827	4803	4843	4802	4843	4803	4827	15- 20	779.1	1742	9.52,9.52
25	5047	5061	5075	5080	5047	5080	5075	5061	20- 25	1037	2779	15.2,15.2
30	5343	5351	5347	5387	5343	5387	5347	5351	25- 30	1320	4100	22.4,22.4
35	5681	5682	5733	5746	5681	5746	5733	5682	30- 35	1630	5730	31.3,31.3
40	6085	6027	6118	6088	6085	6088	6118	6027	35- 40	1968	7698	42,42
45	6510	6311	6294	6156	6510	6156	6294	6311	40- 45	2313	10012	54.7,54.7
50	6359	6310	5811	5888	6359	5888	5811	6310	45- 50	2536	12548	68.5,68.5
55	4743	4671	4513	4602	4743	4602	4513	4671	50- 55	2350	14898	81.4,81.4
60	2679	2655	2764	2725	2679	2725	2764	2655	55- 60	1690	16589	90.6,90.6
65	1235	1191	1728	1235	1235	1235	1728	1191	60- 65	955.0	17544	95.8,95.8
70	195.8	462.3	918.1	533.0	195.8	533.0	918.1	462.3	65- 70	464.9	18009	98.4,98.4
75	122.6	232.1	186.0	264.3	122.6	264.3	186.0	232.1	70- 75	192.9	18202	99.4,99.4
80	79.23	71.94	74.20	72.90	79.23	72.90	74.20	71.94	75- 80	64.94	18266	99.8,99.8
85	21.77	39.16	39.92	39.63	21.77	39.63	39.92	39.16	80- 85	31.57	18298	99.9,99.9
90	5.590	6.287	5.642	6.244	5.590	6.244	5.642	6.287	85- 90	11.99	18310	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): 10012 lm

%lum = 54.7%
%lamp = 54.7%

Conical surface Flux(120deg): 16589 lm

%lum = 90.6%
%lamp = 90.6%

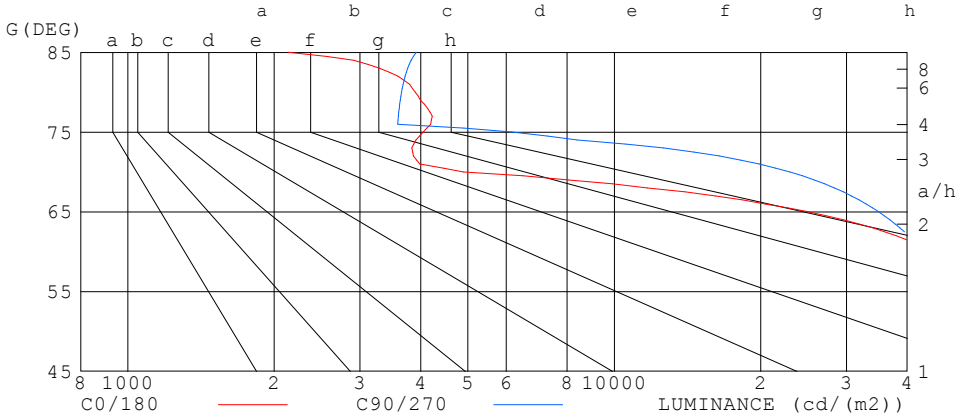
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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	2135	3915
80	3900	3652
75	4048	6143
70	4893	22944
65	24974	34943
60	45796	47245
55	70681	67254
50	84557	77262
45	78689	76081

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Operators:
Test Date:2017-03-30

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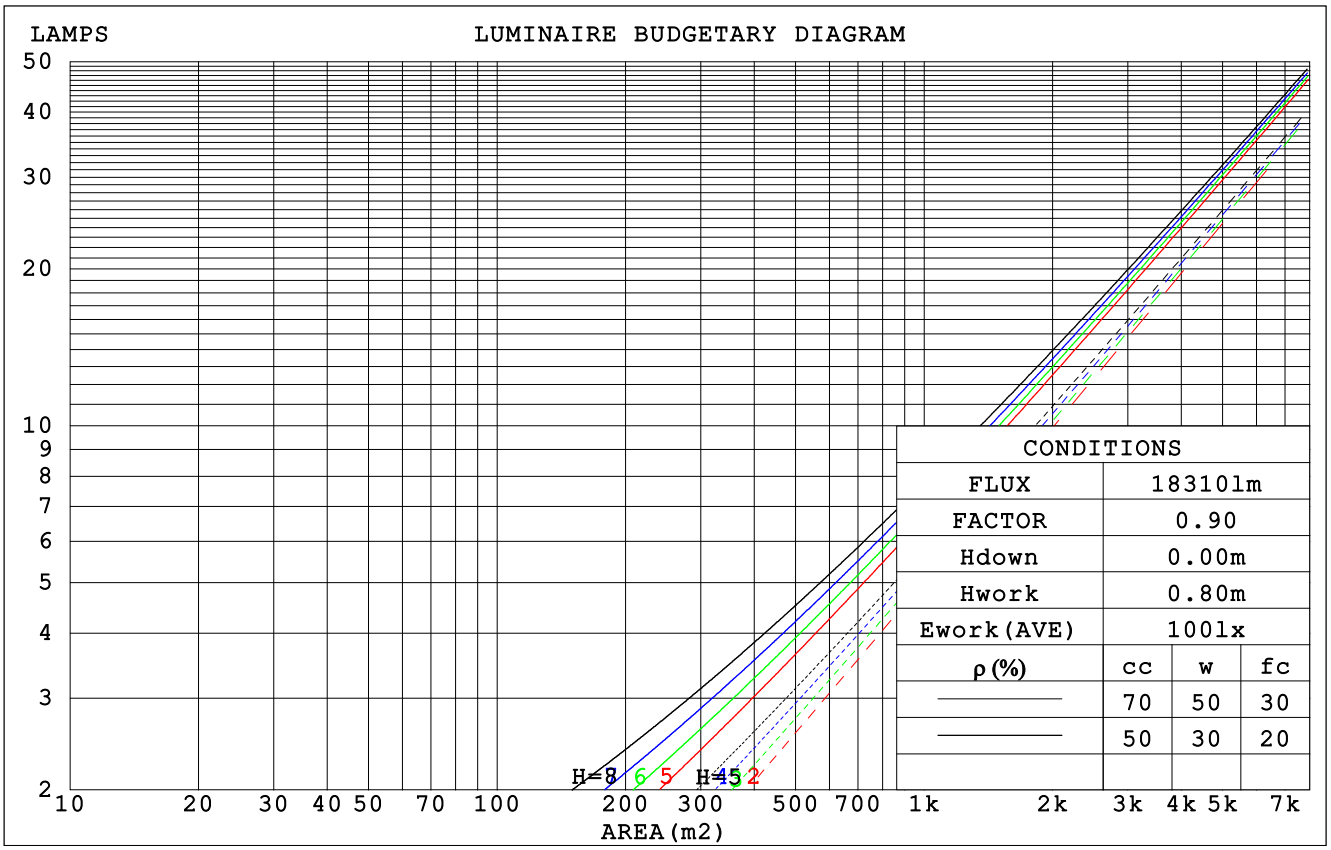
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.06	1.02	.99	1.04	1.00	.97	.00	.97	.94	.96	.94	.92	.92	.90	.89	.87
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.73
3.0	.82	.74	.68	.80	.73	.68	.78	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.72	.64	.57	.71	.63	.57	.69	.62	.56	.66	.60	.55	.64	.59	.55	.53
5.0	.64	.55	.49	.63	.55	.48	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.41	.39
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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	.267	.152	.048	.260	.148	.047	.247	.142	.045	.235	.136	.044	.224	.130	.042	
2.0	.264	.145	.044	.258	.142	.044	.247	.137	.043	.236	.132	.041	.226	.128	.040	
3.0	.253	.135	.040	.248	.133	.040	.237	.129	.039	.228	.125	.038	.219	.121	.038	
4.0	.239	.124	.037	.234	.123	.036	.225	.120	.036	.217	.117	.035	.209	.114	.035	
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.211	.106	.030	.208	.105	.030	.200	.103	.030	.194	.101	.030	.187	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.166	.079	.022	.163	.079	.022	.159	.078	.022	.154	.077	.022	.150	.075	.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	.067	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.132	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.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:2017-03-30

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	27.8	29.3	28.1	29.5	29.8
	3H	27.8	29.2	28.1	29.5	29.7	28.1	29.5	28.4	29.7	30.0
	4H	27.7	29.0	28.1	29.3	29.6	28.1	29.4	28.4	29.6	29.9
	6H	27.7	28.9	28.0	29.1	29.4	28.0	29.2	28.3	29.4	29.7
	8H	27.6	28.8	27.9	29.0	29.3	27.9	29.1	28.3	29.4	29.6
	12H	27.6	28.7	27.9	29.0	29.3	27.9	29.0	28.2	29.3	29.6
4H	2H	28.0	29.3	28.3	29.5	29.8	27.9	29.2	28.2	29.5	29.7
	3H	27.9	29.1	28.3	29.3	29.6	28.3	29.4	28.6	29.7	30.0
	4H	27.9	28.9	28.2	29.2	29.5	28.2	29.2	28.6	29.5	29.9
	6H	27.8	28.7	28.2	29.0	29.4	28.1	29.0	28.5	29.4	29.7
	8H	27.7	28.6	28.2	28.9	29.3	28.1	28.9	28.5	29.3	29.7
	12H	27.7	28.4	28.1	28.8	29.2	28.1	28.8	28.5	29.2	29.6
8H	4H	27.8	28.6	28.2	28.9	29.3	28.1	28.9	28.5	29.3	29.7
	6H	27.7	28.4	28.1	28.8	29.2	28.0	28.7	28.5	29.1	29.5
	8H	27.7	28.3	28.1	28.7	29.1	28.0	28.6	28.5	29.0	29.5
	12H	27.6	28.1	28.1	28.6	29.1	28.0	28.5	28.5	28.9	29.4
12H	4H	27.7	28.5	28.1	28.8	29.2	28.1	28.8	28.5	29.2	29.6
	6H	27.7	28.2	28.1	28.7	29.1	28.0	28.6	28.5	29.0	29.5
	8H	27.6	28.1	28.1	28.6	29.1	28.0	28.5	28.5	28.9	29.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.2 / - 0.5				
1.5H		+ 1.1 / - 2.7					+ 0.9 / - 2.0				
2.0H		+ 2.2 / - 3.6					+ 1.7 / - 3.6				

CIE Pub.117 Corrected 18310 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.1)

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Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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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	54	42	34	53	42	34	52	41	34	27
0.80	66	54	47	65	54	46	63	53	46	39
1.00	77	66	59	76	65	58	73	67	58	51
1.25	85	75	68	83	74	67	81	73	67	60
1.50	90	81	74	88	80	74	86	78	73	65
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	86	78
3.00	104	98	93	102	96	92	98	94	90	82
4.00	108	102	98	105	101	97	101	97	94	86
5.00	110	105	101	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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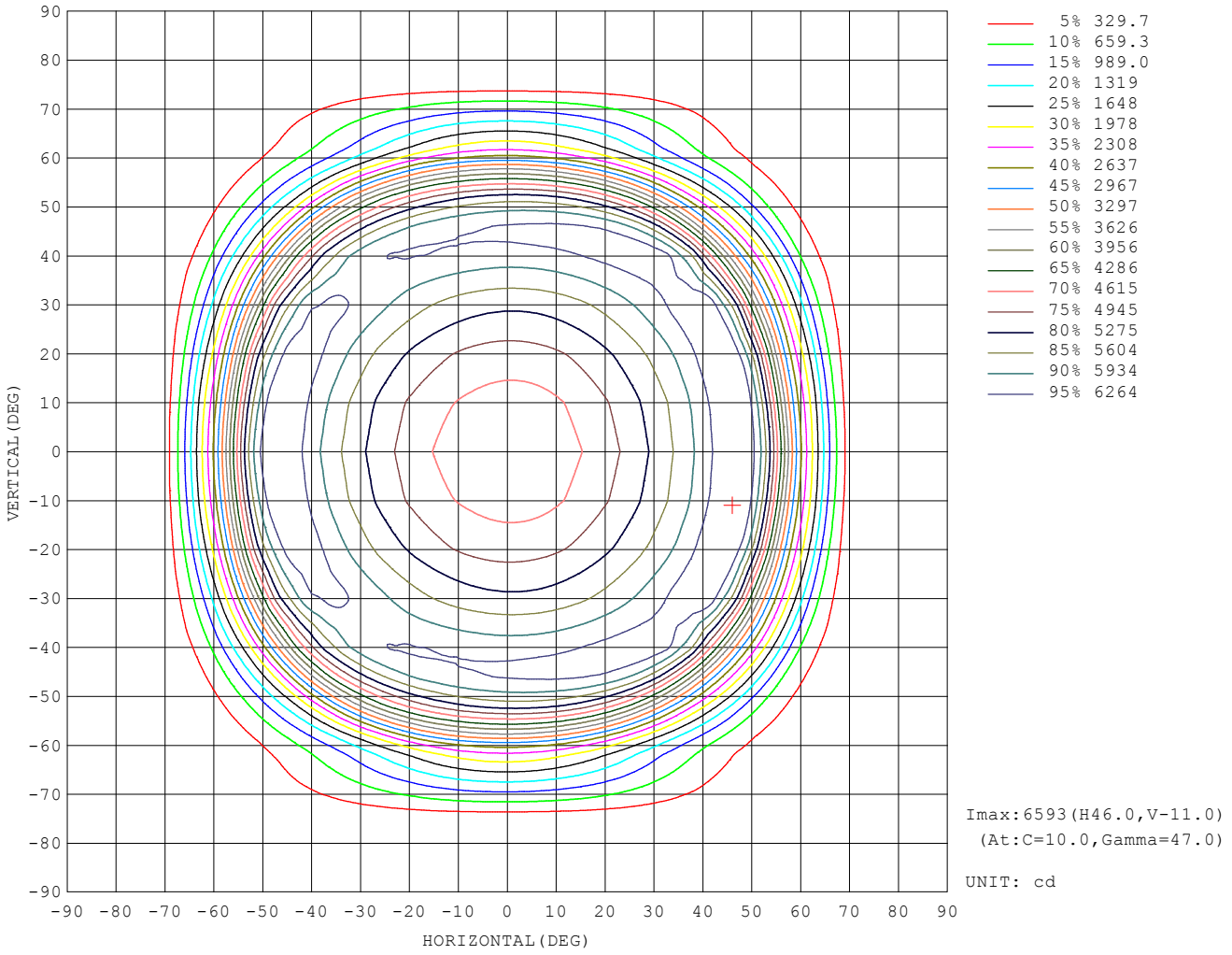
Remarks:

ISOCANDELA DIAGRAM



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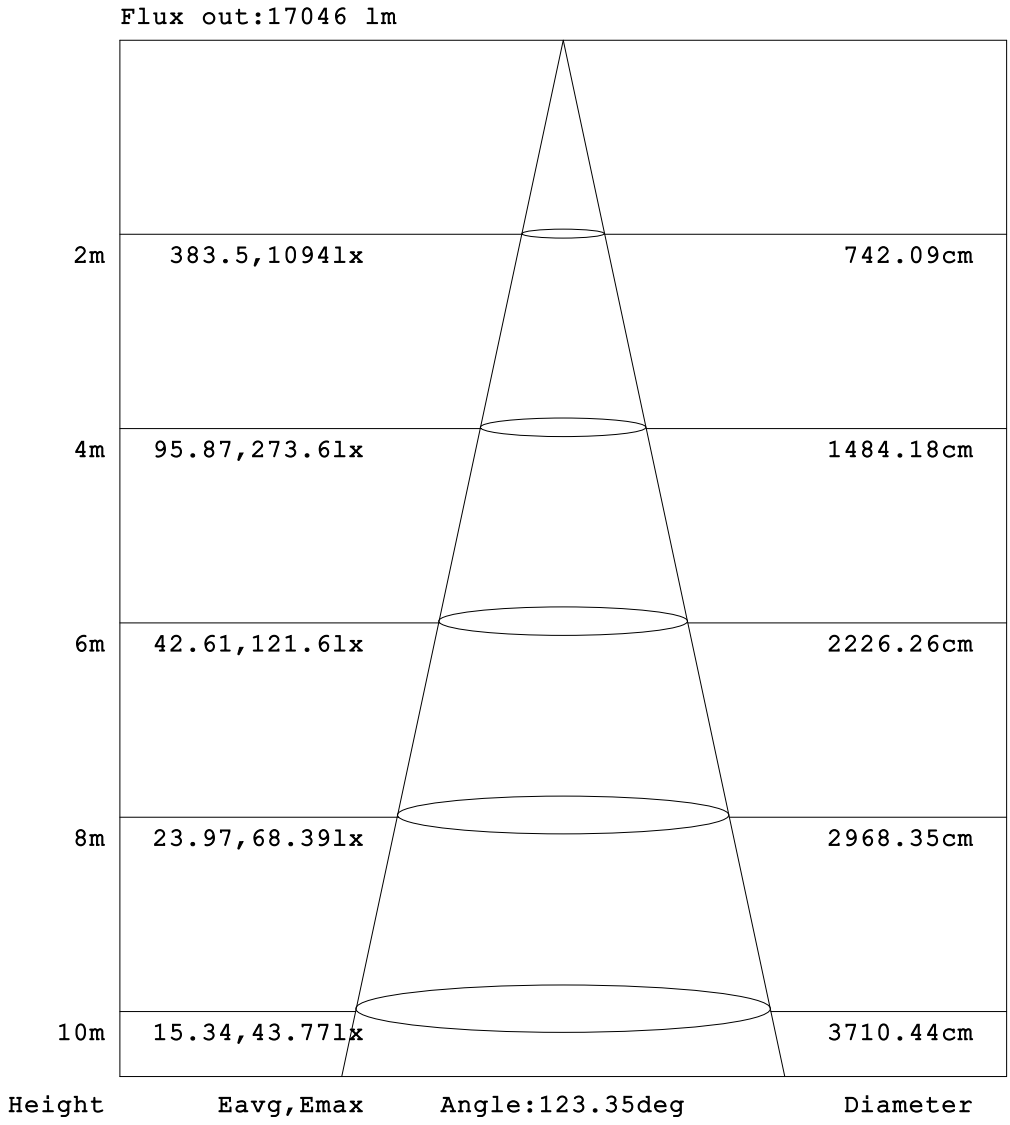
Remarks:

AAI Figure



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

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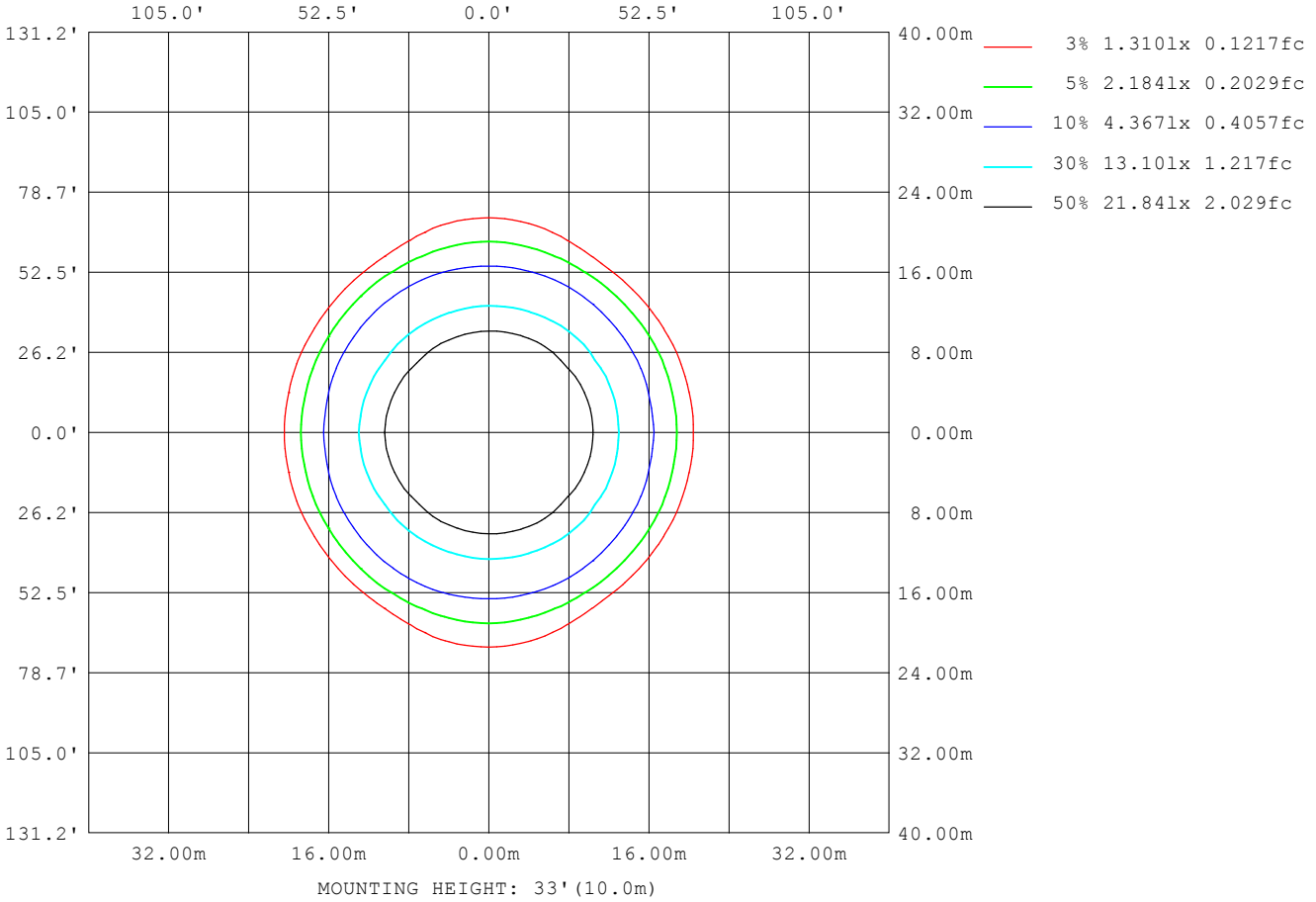
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.6674A P:148.2W PF:0.9656 Lamp Flux:18310x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	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	24974
L_0~180(75)av	4048
L_0~180(85)av	2135
L_90~270(65)av	34943
L_90~270(75)av	6143
L_90~270(85)av	3915
L_45(65)av	24532
L_45(75)av	8196
L_45(85)av	3863

Standard: GB/T 29293-2012

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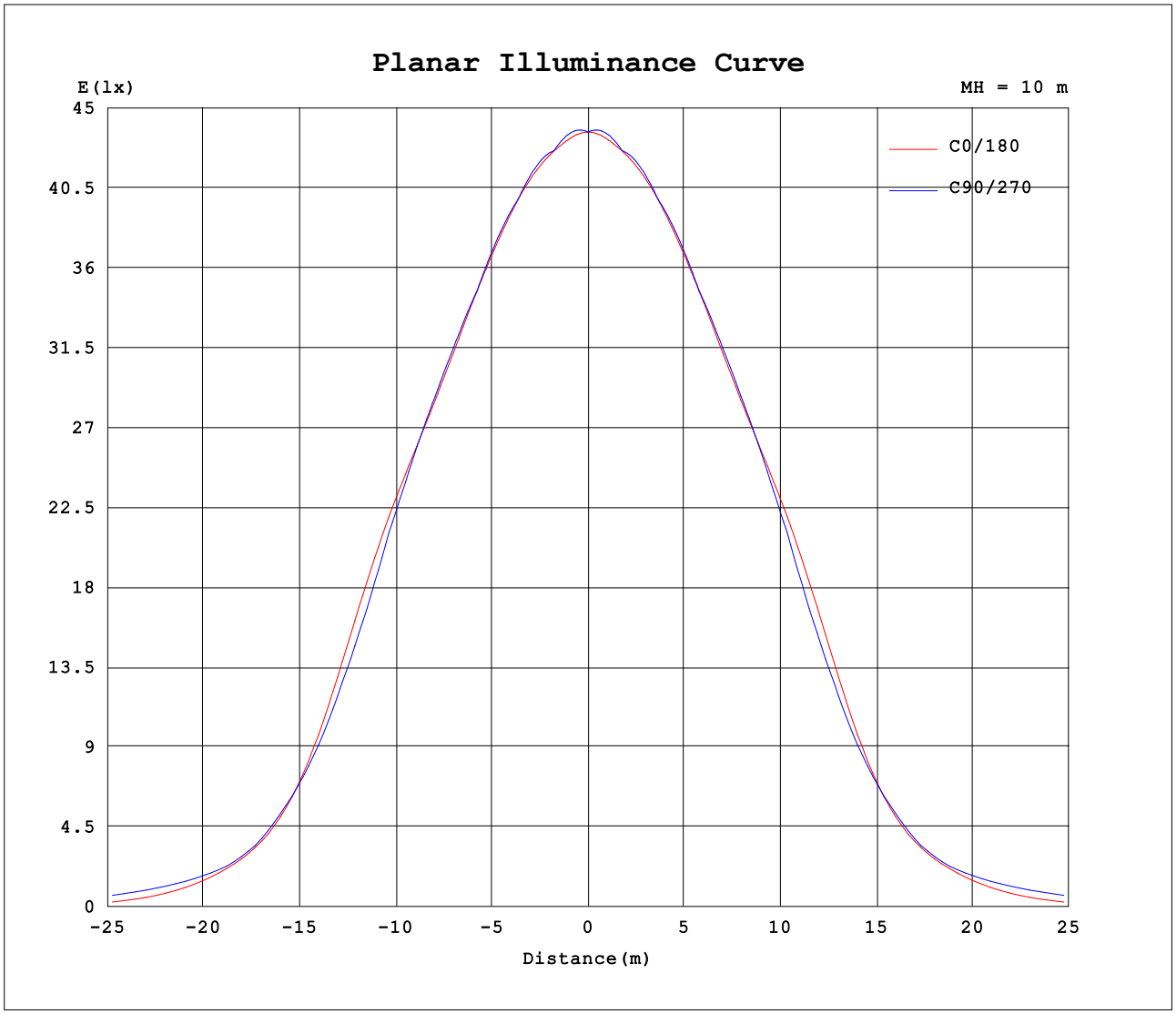
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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:2017-03-30

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	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365
5	4383	4387	4391	4394	4397	4400	4402	4404	4405	4407	4407	4408	4409	4410	4411	4411	4412	4413	4413
10	4459	4468	4475	4480	4484	4485	4486	4484	4482	4478	4475	4471	4466	4463	4460	4458	4458	4459	4461
15	4604	4618	4627	4633	4634	4632	4626	4617	4606	4609	4614	4617	4620	4622	4624	4625	4628	4630	4632
20	4802	4819	4828	4831	4828	4819	4811	4822	4827	4827	4825	4821	4817	4812	4808	4806	4804	4803	4803
25	5047	5065	5072	5069	5057	5058	5069	5073	5069	5061	5048	5051	5057	5062	5065	5067	5070	5072	5075
30	5343	5360	5363	5351	5348	5357	5358	5349	5340	5351	5356	5356	5354	5350	5345	5341	5340	5343	5347
35	5681	5695	5687	5666	5680	5677	5662	5673	5683	5682	5676	5667	5679	5693	5704	5713	5721	5727	5733
40	6085	6095	6074	6066	6064	6039	6044	6049	6042	6027	6033	6052	6070	6084	6095	6103	6110	6115	6118
45	6510	6518	6500	6492	6480	6436	6437	6442	6309	6311	6360	6410	6398	6380	6353	6344	6325	6310	6294
50	6359	6357	6386	6383	6336	6302	6351	6065	6109	6310	6199	6142	6121	6021	5960	5898	5860	5835	5811
55	4743	4677	4658	4717	4639	4710	4629	4641	4680	4671	4671	4656	4642	4628	4605	4580	4548	4527	4513
60	2679	2648	2634	2650	2680	2696	2665	2650	2644	2655	2668	2701	2730	2737	2756	2769	2766	2762	2764
65	1235	1230	1228	1229	1225	1210	1197	1191	1188	1191	1190	1226	1308	1430	1537	1616	1675	1713	1728
70	196	232	302	347	344	351	361	371	396	462	580	673	754	822	865	891	905	914	918
75	123	115	114	140	160	165	169	182	201	232	265	277	271	248	219	210	197	188	186
80	79.2	77.1	77.6	79.2	93.1	95.0	93.0	91.7	82.6	71.9	69.2	70.2	72.5	72.6	74.3	76.6	75.0	73.9	74.2
85	21.8	31.8	36.5	35.4	37.0	41.7	41.7	43.5	41.4	39.2	37.7	37.9	39.2	39.2	40.0	41.2	40.4	39.8	39.9
90	5.59	8.12	7.96	7.56	7.22	6.99	6.80	6.62	6.44	6.29	6.15	6.03	5.96	5.89	5.83	5.77	5.72	5.66	5.64

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365
5	4414	4415	4416	4416	4416	4416	4416	4415	4414	4413	4411	4408	4405	4402	4398	4393	4388	4383	4388
10	4465	4469	4475	4480	4485	4491	4495	4499	4501	4502	4502	4501	4498	4493	4488	4480	4470	4459	4470
15	4635	4638	4641	4644	4645	4645	4644	4639	4633	4627	4634	4638	4640	4640	4636	4629	4619	4604	4619
20	4805	4809	4815	4822	4829	4836	4841	4844	4843	4838	4828	4811	4817	4826	4829	4827	4818	4802	4818
25	5079	5082	5085	5087	5086	5082	5076	5071	5080	5085	5084	5075	5058	5054	5067	5071	5065	5047	5065
30	5354	5363	5372	5381	5388	5395	5397	5395	5387	5371	5376	5381	5376	5359	5360	5370	5365	5343	5365
35	5737	5740	5739	5734	5728	5724	5730	5741	5746	5742	5729	5720	5731	5726	5702	5714	5709	5681	5709
40	6121	6122	6116	6103	6083	6061	6044	6045	6088	6112	6105	6102	6120	6128	6118	6115	6116	6085	6116
45	6279	6266	6262	6250	6261	6272	6264	6190	6156	6207	6371	6331	6359	6447	6452	6496	6508	6510	6508
50	5786	5762	5749	5759	5772	5808	5809	5834	5888	5776	5806	5997	5997	6088	6161	6242	6280	6359	6280
55	4511	4518	4535	4547	4568	4571	4567	4580	4602	4602	4610	4568	4681	4646	4737	4687	4689	4743	4689
60	2773	2789	2810	2815	2791	2786	2774	2758	2725	2706	2692	2705	2716	2706	2680	2653	2653	2679	2653
65	1720	1690	1632	1543	1440	1342	1272	1239	1235	1223	1224	1227	1240	1261	1242	1238	1227	1235	1227
70	918	914	900	869	831	779	708	628	533	459	427	412	398	384	382	325	244	196	244
75	190	201	214	223	253	281	291	288	264	223	192	175	170	166	145	115	117	123	117
80	74.8	77.1	79.1	77.0	75.1	75.1	72.0	70.9	72.9	84.4	91.5	91.9	94.6	94.0	79.9	77.4	76.8	79.2	76.8
85	40.2	41.5	42.4	41.3	40.5	40.5	38.9	38.6	39.6	41.3	41.7	39.0	39.3	35.6	34.1	35.2	31.3	21.8	31.3
90	5.65	5.69	5.76	5.85	5.95	6.06	6.16	6.23	6.24	6.23	6.30	6.39	6.50	6.62	6.85	7.20	7.48	5.59	7.48

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365
5	4393	4398	4402	4405	4408	4411	4413	4414	4415	4416	4416	4416	4416	4416	4415	4414	4413	4413	4412
10	4480	4488	4493	4498	4501	4502	4502	4501	4499	4495	4491	4485	4480	4475	4469	4465	4461	4459	4458
15	4629	4636	4640	4640	4638	4634	4627	4633	4639	4644	4645	4645	4644	4641	4638	4635	4632	4630	4628
20	4827	4829	4826	4817	4811	4828	4838	4843	4844	4841	4836	4829	4822	4815	4809	4805	4803	4803	4804
25	5071	5067	5054	5058	5075	5084	5085	5080	5071	5076	5082	5086	5087	5085	5082	5079	5075	5072	5070
30	5370	5360	5359	5376	5381	5376	5371	5387	5395	5397	5395	5388	5381	5372	5363	5354	5347	5343	5340
35	5714	5702	5726	5731	5720	5729	5742	5746	5741	5730	5724	5728	5734	5739	5740	5737	5733	5727	5721
40	6115	6118	6128	6120	6102	6105	6112	6088	6045	6044	6061	6083	6103	6116	6122	6121	6118	6115	6110
45	6496	6452	6447	6359	6331	6371	6207	6156	6190	6264	6272	6261	6250	6262	6266	6279	6294	6310	6325
50	6242	6161	6088	5997	5997	5806	5776	5888	5834	5809	5808	5772	5759	5749	5762	5786	5811	5835	5860
55	4687	4737	4646	4681	4568	4610	4602	4602	4580	4567	4571	4568	4547	4535	4518	4511	4513	4527	4548
60	2653	2680	2706	2716	2705	2692	2706	2725	2758	2774	2786	2791	2815	2810	2789	2773	2764	2762	2766
65	1238	1242	1261	1240	1227	1224	1223	1235	1239	1272	1342	1440	1543	1632	1690	1720	1728	1713	1675
70	325	382	384	398	412	427	459	533	628	708	779	831	869	900	914	918	918	914	905
75	115	145	166	170	175	192	223	264	288	291	281	253	223	214	201	190	186	188	197
80	77.4	79.9	94.0	94.6	91.9	91.5	84.4	72.9	70.9	72.0	75.1	75.1	77.0	79.1	77.1	74.8	74.2	73.9	75.0
85	35.2	34.1	35.6	39.3	39.0	41.7	41.3	39.6	38.6	38.9	40.5	40.5	41.3	42.4	41.5	40.2	39.9	39.8	40.4
90	7.20	6.85	6.62	6.50	6.39	6.30	6.23	6.24	6.23	6.16	6.06	5.95	5.85	5.76	5.69	5.65	5.64	5.66	5.72

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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

C(DEG) / γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365	4365				
5	4411	4411	4410	4409	4408	4407	4407	4405	4404	4402	4400	4397	4394	4391	4387				
10	4458	4460	4463	4466	4471	4475	4478	4482	4484	4486	4485	4484	4480	4475	4468				
15	4625	4624	4622	4620	4617	4614	4609	4606	4617	4626	4632	4634	4633	4627	4618				
20	4806	4808	4812	4817	4821	4825	4827	4827	4822	4811	4819	4828	4831	4828	4819				
25	5067	5065	5062	5057	5051	5048	5061	5069	5073	5069	5058	5057	5069	5072	5065				
30	5341	5345	5350	5354	5356	5356	5351	5340	5349	5358	5357	5348	5351	5363	5360				
35	5713	5704	5693	5679	5667	5676	5682	5683	5673	5662	5677	5680	5666	5687	5695				
40	6103	6095	6084	6070	6052	6033	6027	6042	6049	6044	6039	6064	6066	6074	6095				
45	6344	6353	6380	6398	6410	6360	6311	6309	6442	6437	6436	6480	6492	6500	6518				
50	5898	5960	6021	6121	6142	6199	6310	6109	6065	6351	6302	6336	6383	6386	6357				
55	4580	4605	4628	4642	4656	4671	4671	4680	4641	4629	4710	4639	4717	4658	4677				
60	2769	2756	2737	2730	2701	2668	2655	2644	2650	2665	2696	2680	2650	2634	2648				
65	1616	1537	1430	1308	1226	1190	1191	1188	1191	1197	1210	1225	1229	1228	1230				
70	891	865	822	754	673	580	462	396	371	361	351	344	347	302	232				
75	210	219	248	271	277	265	232	201	182	169	165	160	140	114	115				
80	76.6	74.3	72.6	72.5	70.2	69.2	71.9	82.6	91.7	93.0	95.0	93.1	79.2	77.6	77.1				
85	41.2	40.0	39.2	39.2	37.9	37.7	39.2	41.4	43.5	41.7	41.7	37.0	35.4	36.5	31.8				
90	5.77	5.83	5.89	5.96	6.03	6.15	6.29	6.44	6.62	6.80	6.99	7.22	7.56	7.96	8.12				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-30

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: