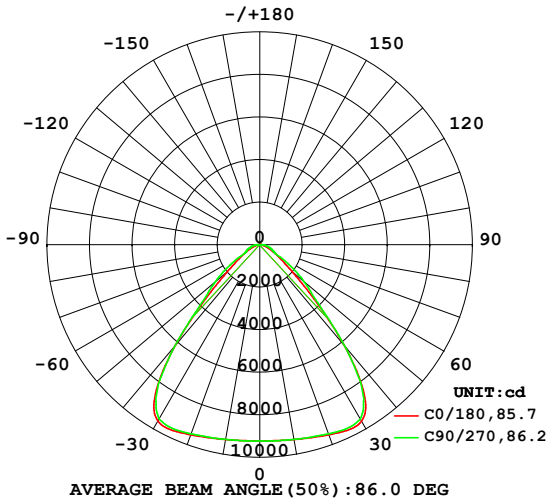
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6705A P:148.9W PF:0.9657 Lamp Flux:18398.1x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 90DEG L02805	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

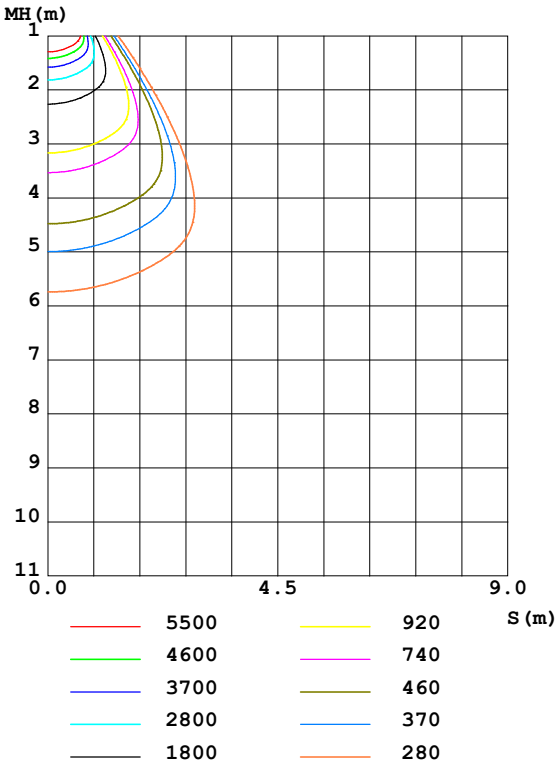
DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.53 lm/W			
MODEL	LHB01-150	Imax(cd)	9672	S/MH(C0/180)	1.25
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18398	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	18398.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.25

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):86.0 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	9247	9256	9255	9256	9247	9256	9255	9256	0- 5	221.0	221.0	1.2,1.2
10	9301	9301	9297	9301	9301	9301	9297	9301	5- 10	663.8	884.8	4.81,4.81
15	9389	9386	9365	9386	9389	9386	9365	9386	10- 15	1108	1993	10.8,10.8
20	9509	9494	9464	9494	9509	9494	9464	9494	15- 20	1555	3549	19.3,19.3
25	9645	9573	9559	9573	9645	9573	9559	9573	20- 25	2003	5552	30.2,30.2
30	9581	9450	9470	9450	9581	9450	9470	9450	25- 30	2424	7975	43.3,43.3
35	8571	8499	8437	8499	8571	8499	8437	8499	30- 35	2673	10648	57.9,57.9
40	6164	6172	6207	6172	6164	6172	6207	6172	35- 40	2461	13109	71.3,71.3
45	3606	3661	3849	3661	3606	3661	3849	3661	40- 45	1793	14902	81,81
50	2036	2074	2748	2074	2036	2074	2748	2074	45- 50	1152	16054	87.3,87.3
55	1253	1282	1790	1282	1253	1282	1790	1282	50- 55	777.6	16832	91.5,91.5
60	832.8	894.5	832.8	894.5	832.8	894.5	832.8	894.5	55- 60	526.3	17358	94.3,94.3
65	561.8	591.8	694.8	591.8	561.8	591.8	694.8	591.8	60- 65	349.2	17707	96.2,96.2
70	375.0	396.4	556.8	396.4	375.0	396.4	556.8	396.4	65- 70	259.4	17967	97.7,97.7
75	229.5	291.0	418.7	291.0	229.5	291.0	418.7	291.0	70- 75	193.2	18160	98.7,98.7
80	81.22	192.0	280.7	192.0	81.22	192.0	280.7	192.0	75- 80	133.5	18293	99.4,99.4
85	20.43	97.29	142.7	97.29	20.43	97.29	142.7	97.29	80- 85	77.67	18371	99.9,99.9
90	2.976	4.843	4.614	4.843	2.976	4.843	4.614	4.843	85- 90	27.04	18398	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): 14902 lm

%lum = 81.0%
%lamp = 81.0%

Conical surface Flux(120deg): 17358 lm

%lum = 94.3%
%lamp = 94.3%

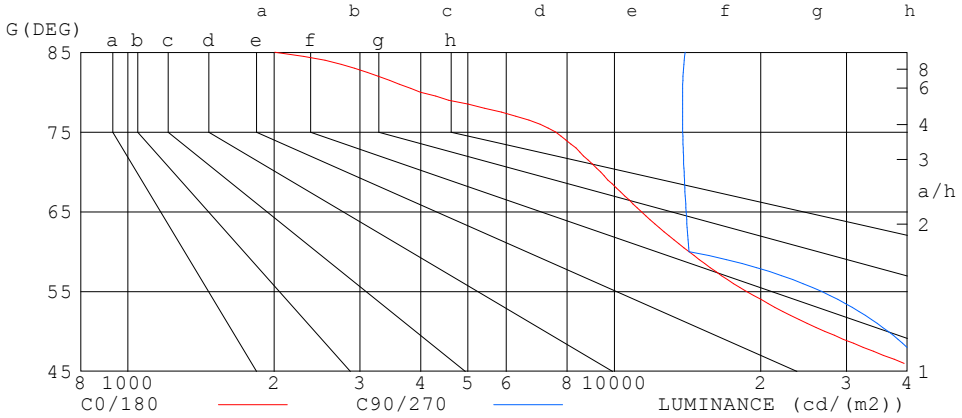
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-27

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:

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	2004	13989
80	3998	13816
75	7578	13828
70	9371	13914
65	11363	14052
60	14236	14237
55	18672	26678
50	27067	36536
45	43590	46529

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Test Speed: HIGH
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Operators:
Test Date:2017-03-27

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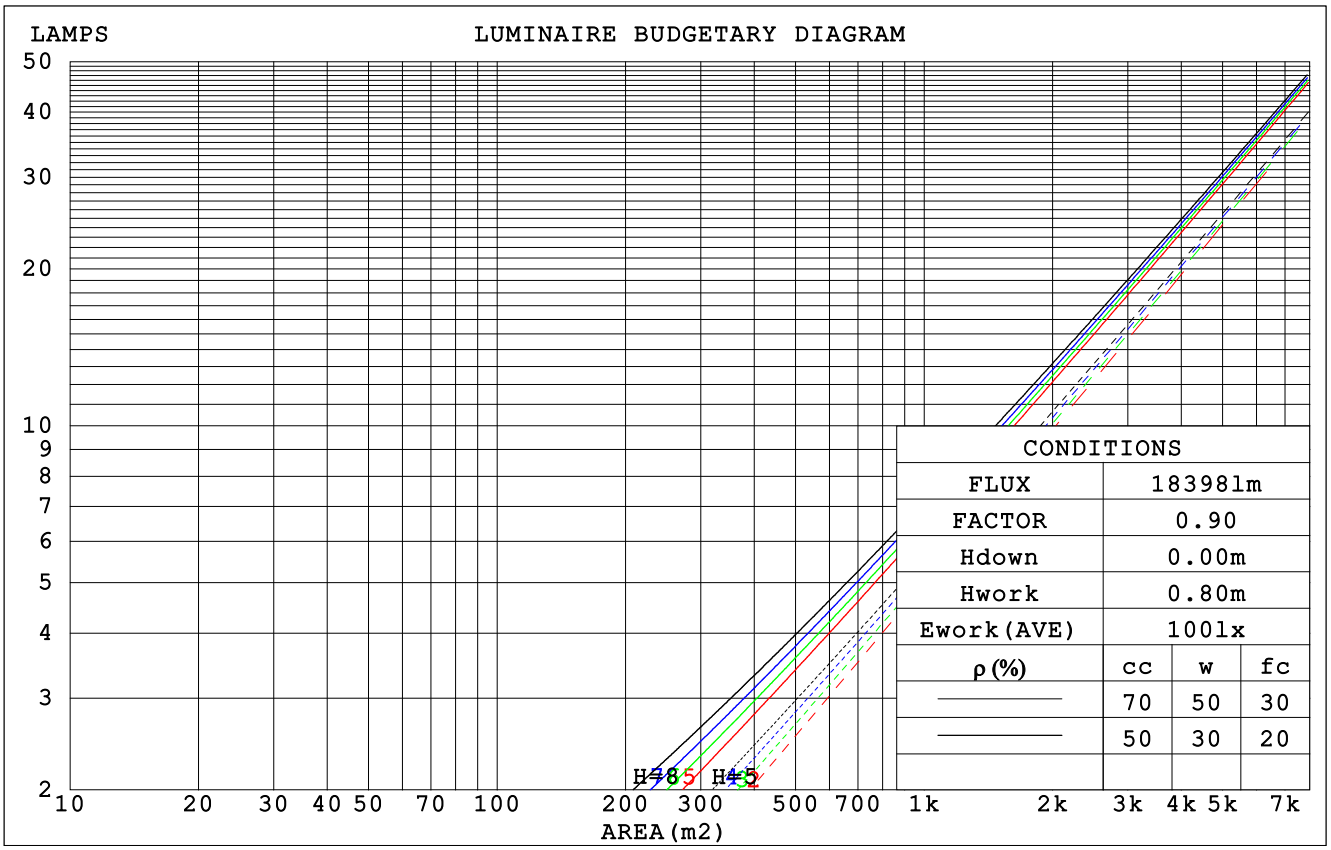
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.08	1.05	1.02	1.06	1.03	1.00	1.02	.99	.97	.98	.96	.94	.94	.93	.92	.90
2.0	.98	.93	.88	.96	.91	.87	.93	.89	.85	.90	.86	.83	.87	.84	.82	.80
3.0	.89	.82	.77	.87	.81	.77	.84	.79	.75	.82	.78	.74	.79	.76	.73	.71
4.0	.81	.74	.68	.80	.73	.68	.77	.71	.67	.75	.70	.66	.73	.69	.65	.64
5.0	.74	.66	.61	.73	.66	.61	.71	.65	.60	.69	.64	.59	.67	.63	.59	.57
6.0	.68	.60	.55	.67	.60	.54	.65	.59	.54	.63	.58	.54	.62	.57	.53	.51
7.0	.62	.55	.49	.61	.54	.49	.60	.54	.49	.59	.53	.49	.57	.52	.48	.47
8.0	.57	.50	.45	.57	.50	.45	.55	.49	.45	.54	.49	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.52	.46	.41	.51	.45	.41	.50	.45	.41	.49	.44	.40	.39
10.0	.49	.42	.38	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.36



C Range: 0 - 360DEG
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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:

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	.230	.131	.041	.223	.127	.040	.210	.120	.038	.198	.114	.037	.187	.108	.035	
2.0	.221	.121	.037	.215	.119	.037	.204	.113	.035	.194	.109	.034	.184	.104	.033	
3.0	.210	.112	.033	.205	.110	.033	.195	.106	.032	.186	.102	.031	.178	.099	.031	
4.0	.199	.103	.030	.194	.102	.030	.186	.099	.029	.178	.096	.029	.171	.093	.028	
5.0	.188	.096	.028	.184	.094	.028	.177	.092	.027	.170	.090	.027	.163	.087	.026	
6.0	.178	.089	.026	.174	.088	.025	.168	.086	.025	.162	.084	.025	.156	.082	.024	
7.0	.169	.083	.024	.165	.082	.023	.160	.081	.023	.154	.079	.023	.149	.077	.023	
8.0	.160	.078	.022	.157	.077	.022	.152	.076	.022	.147	.074	.021	.142	.073	.021	
9.0	.152	.074	.021	.150	.073	.020	.145	.072	.020	.140	.070	.020	.136	.069	.020	
10.0	.145	.069	.019	.142	.069	.019	.138	.068	.019	.134	.067	.019	.130	.065	.019	

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	.175	.157	.141	.150	.135	.121	.102	.093	.084	.059	.054	.049	.019	.017	.016	
2.0	.163	.132	.107	.139	.114	.092	.096	.079	.064	.055	.046	.038	.018	.015	.012	
3.0	.153	.114	.083	.131	.098	.072	.090	.068	.050	.052	.040	.030	.017	.013	.010	
4.0	.144	.100	.066	.124	.086	.057	.085	.060	.040	.049	.035	.024	.016	.011	.008	
5.0	.137	.089	.053	.118	.077	.047	.081	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.130	.080	.044	.112	.069	.039	.077	.049	.027	.045	.029	.016	.014	.009	.005	
7.0	.124	.073	.037	.107	.063	.033	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.118	.067	.032	.102	.058	.028	.070	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.068	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.024	.093	.050	.021	.065	.035	.015	.038	.021	.009	.012	.007	.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	22.7	24.0	23.0	24.2	24.4	23.3	24.5	23.6	24.7	24.9
	3H	22.9	24.0	23.1	24.2	24.4	23.6	24.7	23.9	24.9	25.2
	4H	22.9	24.0	23.2	24.2	24.4	23.8	24.9	24.1	25.1	25.3
	6H	22.9	23.9	23.2	24.1	24.4	24.0	25.0	24.3	25.2	25.5
	8H	22.8	23.8	23.2	24.1	24.3	24.1	25.0	24.4	25.3	25.6
	12H	22.8	23.7	23.1	24.0	24.3	24.1	25.0	24.5	25.3	25.6
4H	2H	22.7	23.8	23.0	24.0	24.3	23.2	24.3	23.5	24.5	24.8
	3H	22.9	23.9	23.3	24.1	24.4	23.6	24.6	24.0	24.8	25.1
	4H	23.0	23.9	23.4	24.2	24.5	24.0	24.8	24.3	25.1	25.4
	6H	23.1	23.8	23.5	24.1	24.5	24.3	25.0	24.7	25.4	25.7
	8H	23.1	23.7	23.5	24.1	24.5	24.4	25.1	24.8	25.5	25.8
	12H	23.0	23.6	23.4	24.0	24.4	24.6	25.2	25.0	25.6	25.9
8H	4H	23.1	23.7	23.5	24.1	24.5	23.9	24.6	24.3	25.0	25.3
	6H	23.2	23.7	23.6	24.1	24.5	24.4	24.9	24.8	25.3	25.7
	8H	23.2	23.7	23.6	24.1	24.5	24.6	25.1	25.1	25.5	26.0
	12H	23.2	23.6	23.7	24.1	24.5	24.8	25.2	25.3	25.7	26.1
12H	4H	23.0	23.7	23.5	24.0	24.4	23.9	24.5	24.3	24.9	25.3
	6H	23.2	23.7	23.6	24.1	24.5	24.4	24.9	24.8	25.3	25.7
	8H	23.2	23.7	23.7	24.1	24.6	24.6	25.0	25.1	25.5	26.0
Variations with the observer position at spacings:											
S = 1.0H		+ 1.5 / - 2.6					+ 1.0 / - 1.4				
1.5H		+ 2.5 / - 2.3					+ 1.7 / - 1.3				
2.0H		+ 3.1 / - 1.9					+ 2.3 / - 1.8				

CIE Pub.117 Corrected 18398 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.1)

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

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	73	65	59	73	64	59	72	64	59	54
0.80	83	74	69	82	74	69	80	73	68	63
1.00	90	82	76	89	81	76	87	82	76	70
1.25	95	88	83	94	87	83	92	86	82	76
1.50	99	92	87	98	91	87	95	90	86	80
2.00	103	98	93	102	97	93	99	95	91	85
2.50	106	101	97	104	99	96	101	97	94	87
3.00	108	103	100	106	102	99	103	99	96	89
4.00	111	107	104	109	105	102	105	102	100	92
5.00	112	109	106	110	107	105	106	104	102	93
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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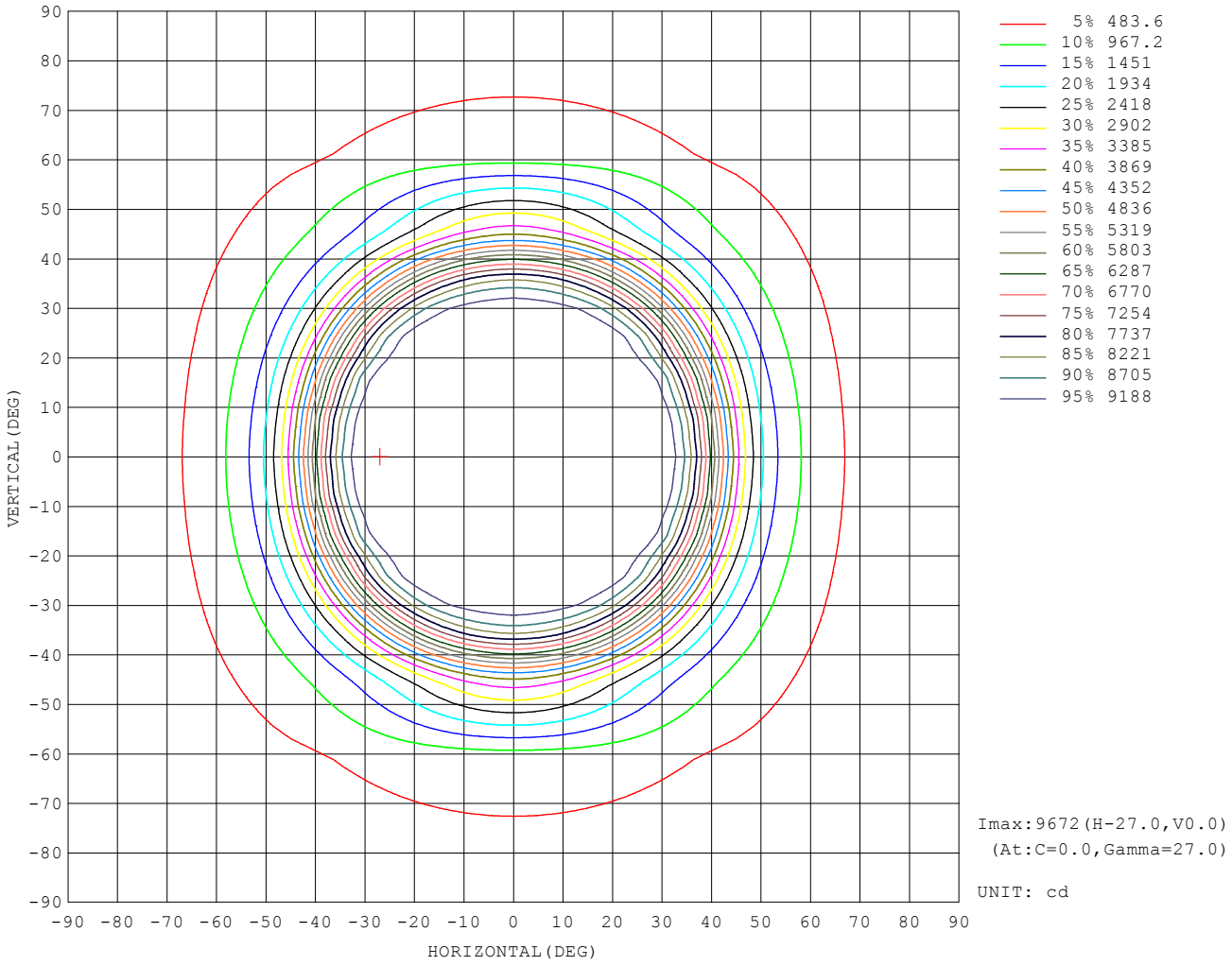
Remarks:

ISOCANDELA DIAGRAM



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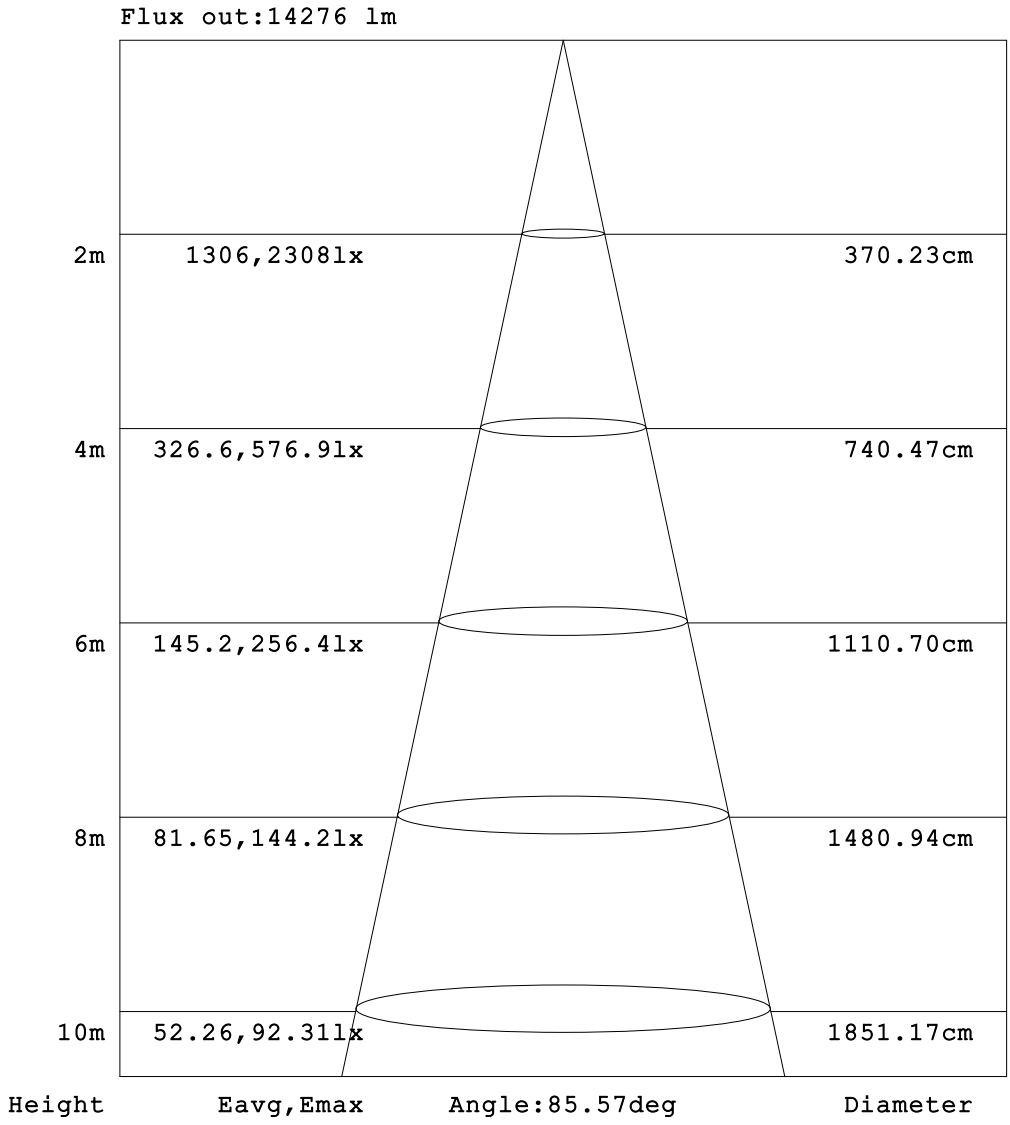
Remarks:

AAI Figure



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

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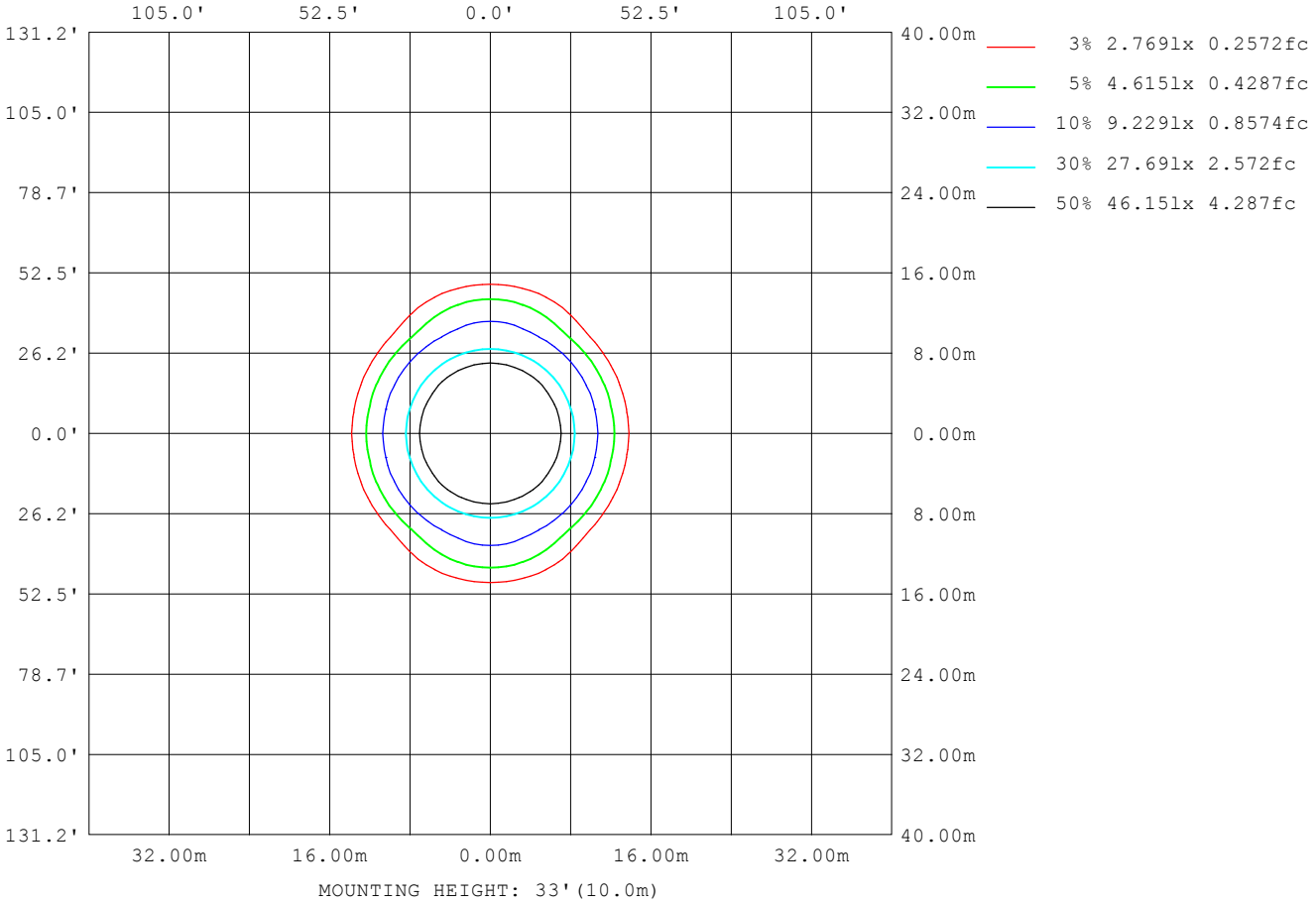
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.6705A P:148.9W PF:0.9657 Lamp Flux:18398.1x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 90DEG L02805	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

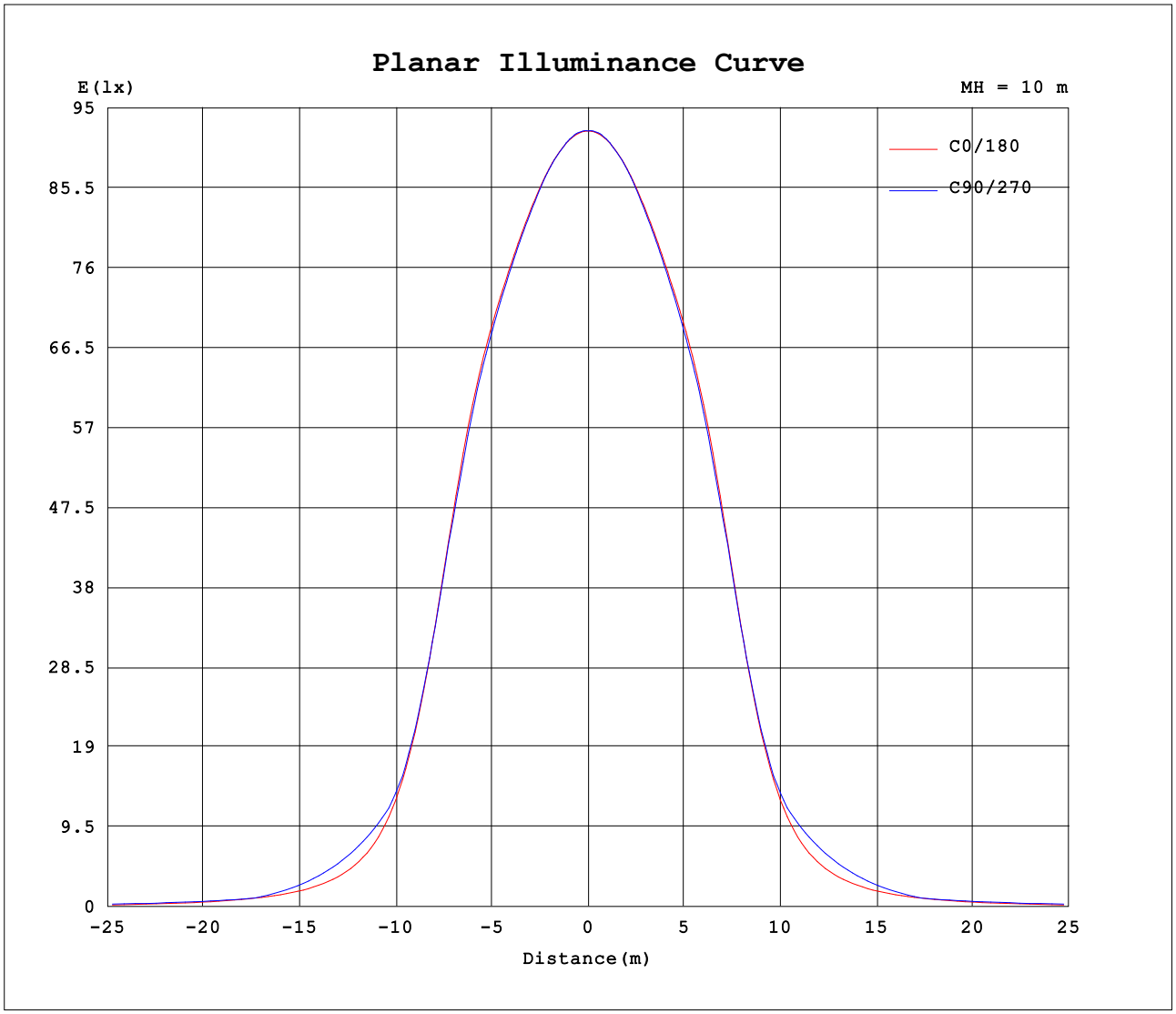
AvgL	cd/m2
L_0~180(65)av	11363
L_0~180(75)av	7578
L_0~180(85)av	2004
L_90~270(65)av	14052
L_90~270(75)av	13828
L_90~270(85)av	13989
L_45(65)av	11968
L_45(75)av	9610
L_45(85)av	9541

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: 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	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229
5	9247	9249	9251	9252	9254	9255	9255	9256	9256	9256	9256	9256	9256	9256	9255	9255	9255	9255	9255
10	9301	9305	9308	9309	9310	9310	9308	9306	9304	9301	9298	9296	9297	9297	9297	9297	9297	9297	9297
15	9389	9394	9397	9398	9396	9392	9386	9386	9387	9386	9385	9382	9379	9375	9372	9369	9367	9366	9365
20	9509	9515	9517	9514	9508	9504	9505	9503	9500	9494	9487	9480	9475	9471	9468	9466	9465	9464	9464
25	9645	9645	9642	9637	9626	9619	9616	9615	9597	9573	9567	9568	9571	9573	9573	9568	9562	9559	9559
30	9581	9553	9549	9553	9509	9515	9546	9432	9410	9450	9515	9486	9465	9455	9449	9450	9459	9467	9470
35	8571	8489	8521	8467	8458	8521	8381	8399	8537	8499	8495	8522	8473	8453	8434	8446	8434	8435	8437
40	6164	6074	6155	6076	6163	6090	6112	6154	6161	6172	6172	6180	6190	6190	6189	6192	6197	6204	6207
45	3606	3568	3591	3585	3612	3621	3628	3633	3656	3661	3680	3702	3703	3689	3728	3734	3800	3837	3849
50	2036	2020	2019	2034	2037	2040	2047	2055	2064	2074	2076	2107	2175	2322	2464	2586	2675	2729	2748
55	1253	1250	1245	1247	1247	1249	1251	1257	1258	1282	1351	1439	1529	1611	1680	1733	1767	1785	1790
60	833	829	823	823	824	826	828	832	859	895	929	957	973	970	949	913	874	844	833
65	562	558	555	557	560	561	567	581	590	592	580	562	590	618	643	664	681	691	695
70	375	370	370	373	377	382	386	383	377	396	418	442	466	490	512	530	545	554	557
75	229	228	232	240	244	245	248	260	275	291	309	327	346	365	383	397	409	416	419
80	81.2	87.5	111	132	143	152	161	170	181	192	204	217	230	243	256	266	274	279	281
85	20.4	28.7	40.1	55.7	69.8	75.8	80.9	86.1	91.4	97.3	104	110	117	124	130	135	139	142	143
90	2.98	5.68	5.62	5.43	5.27	5.13	5.01	4.95	4.88	4.84	4.84	4.81	4.80	4.77	4.73	4.68	4.66	4.63	4.61

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: 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	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229
5	9255	9255	9255	9255	9256	9256	9256	9256	9256	9256	9256	9255	9255	9254	9252	9251	9249	9247	9249
10	9297	9297	9297	9297	9297	9297	9296	9298	9301	9304	9306	9308	9310	9310	9309	9308	9305	9301	9305
15	9366	9367	9369	9372	9375	9379	9382	9385	9386	9387	9386	9386	9392	9396	9398	9397	9394	9389	9394
20	9464	9465	9466	9468	9471	9475	9480	9487	9494	9500	9503	9505	9504	9508	9514	9517	9515	9509	9515
25	9559	9562	9568	9573	9573	9571	9568	9567	9573	9597	9615	9616	9619	9626	9637	9642	9645	9645	9645
30	9467	9459	9450	9449	9455	9465	9486	9515	9450	9410	9432	9546	9515	9509	9553	9549	9553	9581	9553
35	8435	8434	8446	8434	8453	8473	8522	8495	8499	8537	8399	8381	8521	8458	8467	8521	8489	8571	8489
40	6204	6197	6192	6189	6190	6190	6180	6172	6172	6161	6154	6112	6090	6163	6076	6155	6074	6164	6074
45	3837	3800	3734	3728	3689	3703	3702	3680	3661	3656	3633	3628	3621	3612	3585	3591	3568	3606	3568
50	2729	2675	2586	2464	2322	2175	2107	2076	2074	2064	2055	2047	2040	2037	2034	2019	2020	2036	2020
55	1785	1767	1733	1680	1611	1529	1439	1351	1282	1258	1257	1251	1249	1247	1247	1245	1250	1253	1250
60	844	874	913	949	970	973	957	929	895	859	832	828	826	824	823	823	829	833	829
65	691	681	664	643	618	590	562	580	592	590	581	567	561	560	557	555	558	562	558
70	554	545	530	512	490	466	442	418	396	377	383	386	382	377	373	370	370	375	370
75	416	409	397	383	365	346	327	309	291	275	260	248	245	244	240	232	228	229	228
80	279	274	266	256	243	230	217	204	192	181	170	161	152	143	132	111	87.5	81.2	87.5
85	142	139	135	130	124	117	110	104	97.3	91.4	86.1	80.9	75.8	69.8	55.7	40.1	28.7	20.4	28.7
90	4.63	4.66	4.68	4.73	4.77	4.80	4.81	4.84	4.84	4.88	4.95	5.01	5.13	5.27	5.43	5.62	5.68	2.98	5.68

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: cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229
5	9251	9252	9254	9255	9255	9256	9256	9256	9256	9256	9256	9256	9255	9255	9255	9255	9255	9255	9255
10	9308	9309	9310	9310	9308	9306	9304	9301	9298	9296	9297	9297	9297	9297	9297	9297	9297	9297	9297
15	9397	9398	9396	9392	9386	9386	9387	9386	9385	9382	9379	9375	9372	9369	9367	9366	9365	9366	9367
20	9517	9514	9508	9504	9505	9503	9500	9494	9487	9480	9475	9471	9468	9466	9465	9464	9464	9464	9465
25	9642	9637	9626	9619	9616	9615	9597	9573	9567	9568	9571	9573	9573	9568	9562	9559	9559	9559	9562
30	9549	9553	9509	9515	9546	9432	9410	9450	9515	9486	9465	9455	9449	9450	9459	9467	9470	9467	9459
35	8521	8467	8458	8521	8381	8399	8537	8499	8495	8522	8473	8453	8434	8446	8434	8435	8437	8435	8434
40	6155	6076	6163	6090	6112	6154	6161	6172	6172	6180	6190	6190	6189	6192	6197	6204	6207	6204	6197
45	3591	3585	3612	3621	3628	3633	3656	3661	3680	3702	3703	3689	3728	3734	3800	3837	3849	3837	3800
50	2019	2034	2037	2040	2047	2055	2064	2074	2076	2107	2175	2322	2464	2586	2675	2729	2748	2729	2675
55	1245	1247	1247	1249	1251	1257	1258	1282	1351	1439	1529	1611	1680	1733	1767	1785	1790	1785	1767
60	823	823	824	826	828	832	859	895	929	957	973	970	949	913	874	844	833	844	874
65	555	557	560	561	567	581	590	592	580	562	590	618	643	664	681	691	695	691	681
70	370	373	377	382	386	383	377	396	418	442	466	490	512	530	545	554	557	554	545
75	232	240	244	245	248	260	275	291	309	327	346	365	383	397	409	416	419	416	409
80	111	132	143	152	161	170	181	192	204	217	230	243	256	266	274	279	281	279	274
85	40.1	55.7	69.8	75.8	80.9	86.1	91.4	97.3	104	110	117	124	130	135	139	142	143	142	139
90	5.62	5.43	5.27	5.13	5.01	4.95	4.88	4.84	4.84	4.81	4.80	4.77	4.73	4.68	4.66	4.63	4.61	4.63	4.66

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--4 UNIT: cd

C(DEG) / γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229	9229				
5	9255	9255	9256	9256	9256	9256	9256	9256	9256	9255	9255	9254	9252	9251	9249				
10	9297	9297	9297	9297	9296	9298	9301	9304	9306	9308	9310	9310	9309	9308	9305				
15	9369	9372	9375	9379	9382	9385	9386	9387	9386	9386	9392	9396	9398	9397	9394				
20	9466	9468	9471	9475	9480	9487	9494	9500	9503	9505	9504	9508	9514	9517	9515				
25	9568	9573	9573	9571	9568	9567	9573	9597	9615	9616	9619	9626	9637	9642	9645				
30	9450	9449	9455	9465	9486	9515	9450	9410	9432	9546	9515	9509	9553	9549	9553				
35	8446	8434	8453	8473	8522	8495	8499	8537	8399	8381	8521	8458	8467	8521	8489				
40	6192	6189	6190	6190	6180	6172	6172	6161	6154	6112	6090	6163	6076	6155	6074				
45	3734	3728	3689	3703	3702	3680	3661	3656	3633	3628	3621	3612	3585	3591	3568				
50	2586	2464	2322	2175	2107	2076	2074	2064	2055	2047	2040	2037	2034	2019	2020				
55	1733	1680	1611	1529	1439	1351	1282	1258	1257	1251	1249	1247	1247	1245	1250				
60	913	949	970	973	957	929	895	859	832	828	826	824	823	823	829				
65	664	643	618	590	562	580	592	590	581	567	561	560	557	555	558				
70	530	512	490	466	442	418	396	377	383	386	382	377	373	370	370				
75	397	383	365	346	327	309	291	275	260	248	245	244	240	232	228				
80	266	256	243	230	217	204	192	181	170	161	152	143	132	111	87.5				
85	135	130	124	117	110	104	97.3	91.4	86.1	80.9	75.8	69.8	55.7	40.1	28.7				
90	4.68	4.73	4.77	4.80	4.81	4.84	4.84	4.88	4.95	5.01	5.13	5.27	5.43	5.62	5.68				

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: