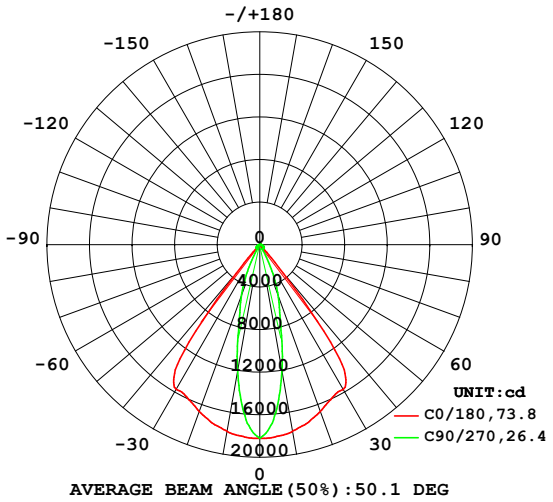
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.1V I:0.4102A P:90.92W PF:0.9635 Lamp Flux:11236.6x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

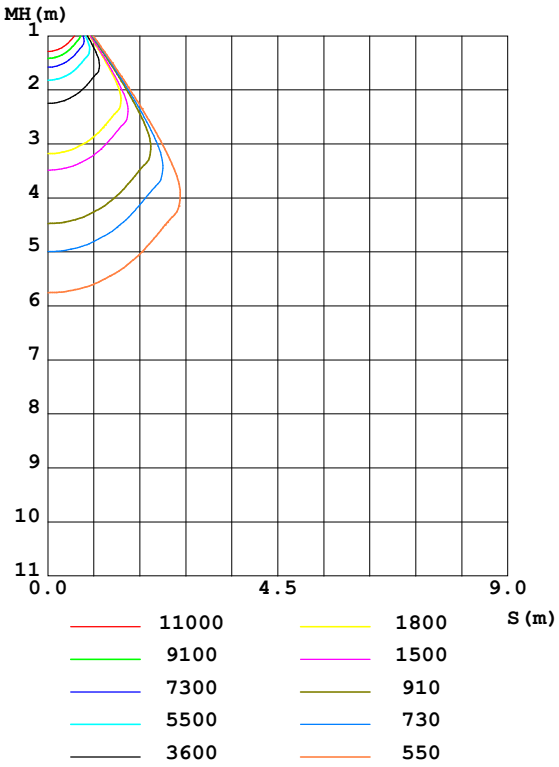
DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.59 lm/W			
MODEL	LHB01-90	Imax(cd)	18213	S/MH(C0/180)	1.07
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	0.44
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	11237	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	11236.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	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%):50.1 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	1811	1703	1618	1703	1811	1702	1618	1702	0- 5	419.6	419.6	3.73,3.73
10	1783	1450	1208	1450	1783	1452	1208	1452	5- 10	1133	1552	13.8,13.8
15	1736	1114	760.3	1114	1736	1120	760.3	1120	10- 15	1561	3113	27.7,27.7
20	1669	743.6	505.6	743.6	1669	746.4	505.6	746.4	15- 20	1716	4829	43,43
25	1597	517.6	276.8	517.6	1597	517.9	276.8	517.9	20- 25	1719	6548	58.3,58.3
30	1571	344.0	47.95	344.0	1571	346.3	47.95	346.3	25- 30	1582	8129	72.3,72.3
35	1310	179.6	47.82	179.6	1310	180.8	47.82	180.8	30- 35	1370	9499	84.5,84.5
40	280.0	43.71	47.69	43.71	280.0	44.15	47.69	44.15	35- 40	861.3	10360	92.2,92.2
45	31.10	36.55	47.56	36.55	31.10	36.53	47.56	36.53	40- 45	262.1	10623	94.5,94.5
50	23.81	27.65	47.43	27.65	23.81	27.62	47.43	27.62	45- 50	126.6	10749	95.7,95.7
55	19.57	21.47	39.79	21.47	19.57	21.58	39.79	21.58	50- 55	110.0	10859	96.6,96.6
60	16.54	18.21	32.15	18.21	16.54	18.26	32.15	18.26	55- 60	97.36	10956	97.5,97.5
65	13.62	14.65	24.51	14.65	13.62	14.69	24.51	14.69	60- 65	85.28	11042	98.3,98.3
70	10.60	11.21	16.87	11.21	10.60	11.27	16.87	11.27	65- 70	70.87	11113	98.9,98.9
75	7.204	7.726	12.80	7.726	7.204	7.802	12.80	7.802	70- 75	54.26	11167	99.4,99.4
80	3.253	5.229	8.724	5.229	3.253	5.298	8.724	5.298	75- 80	37.80	11205	99.7,99.7
85	0.2918	2.875	4.651	2.875	0.2918	2.912	4.651	2.912	80- 85	22.78	11227	99.9,99.9
90	0.0812	0.5256	0.5786	0.5256	0.0812	0.5288	0.5786	0.5288	85- 90	9.146	11237	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): 10623 lm

%lum = 94.5%
%lamp = 94.5%

Conical surface Flux(120deg): 10956 lm

%lum = 97.5%
%lamp = 97.5%

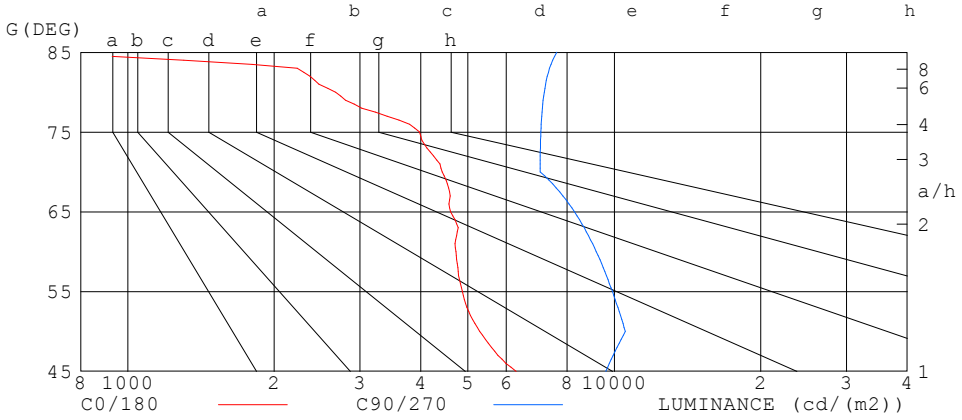
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	478	7624
80	2676	7177
75	3976	7063
70	4427	7046
65	4605	8284
60	4725	9185
55	4874	9910
50	5292	10540
45	6283	9608

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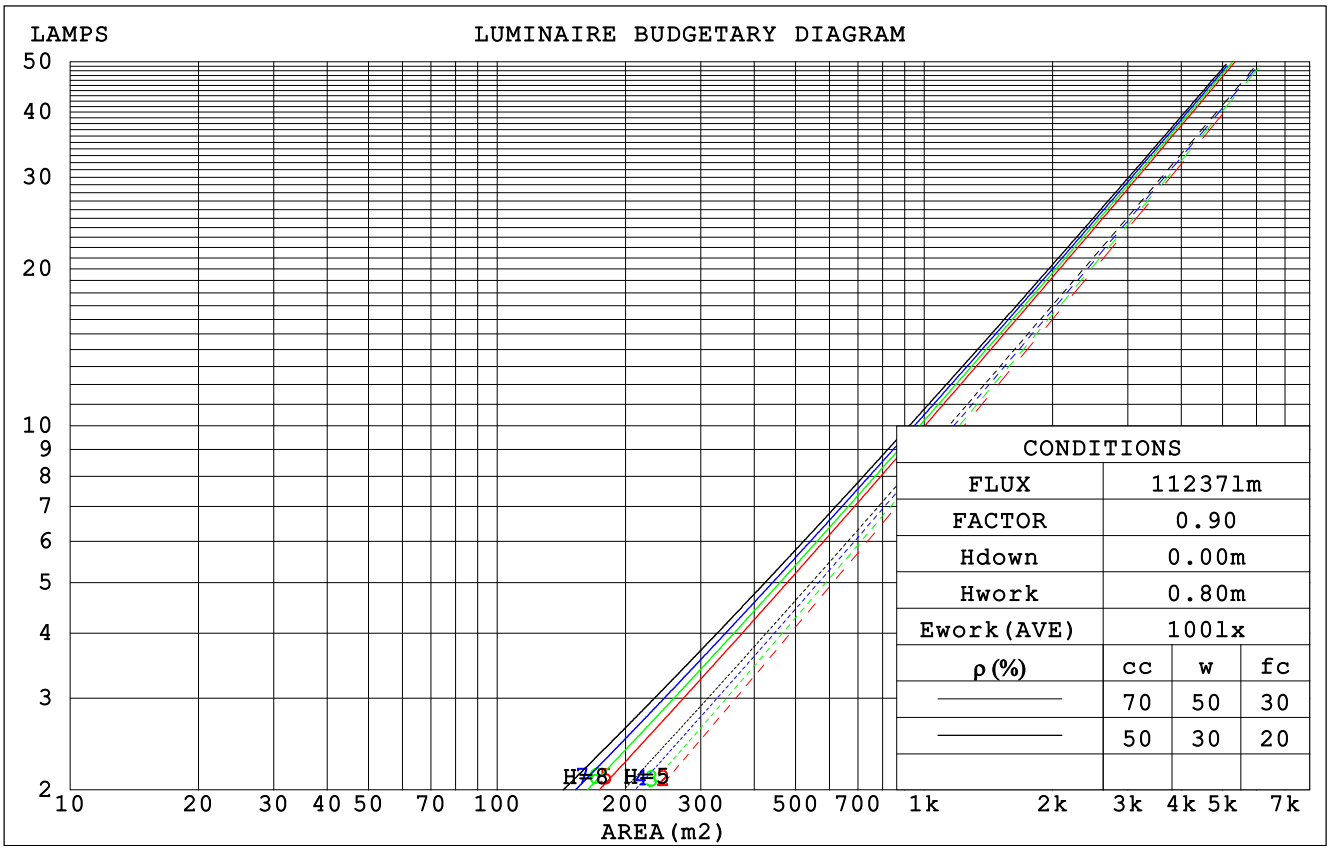
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.11	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	.87
3.0	.96	.91	.87	.95	.90	.86	.92	.88	.85	.90	.86	.84	.87	.85	.82	.81
4.0	.90	.84	.80	.89	.84	.80	.87	.82	.79	.85	.81	.78	.83	.80	.77	.75
5.0	.84	.79	.74	.83	.78	.74	.82	.77	.73	.80	.76	.73	.78	.75	.72	.71
6.0	.80	.74	.69	.79	.73	.69	.77	.72	.69	.76	.72	.68	.75	.71	.68	.66
7.0	.75	.69	.65	.74	.69	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.62
8.0	.71	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
9.0	.67	.62	.58	.67	.61	.58	.66	.61	.57	.65	.60	.57	.64	.60	.57	.56
10.0	.64	.58	.55	.64	.58	.54	.63	.58	.54	.62	.57	.54	.61	.57	.54	.53



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	.182	.104	.033	.176	.100	.032	.163	.094	.030	.151	.087	.028	.141	.082	.026	
2.0	.173	.095	.029	.167	.092	.028	.157	.087	.027	.147	.082	.026	.138	.078	.025	
3.0	.163	.087	.026	.159	.085	.026	.150	.081	.025	.141	.077	.024	.133	.074	.023	
4.0	.155	.080	.024	.151	.079	.023	.143	.076	.023	.135	.073	.022	.129	.070	.021	
5.0	.147	.075	.022	.143	.073	.021	.136	.071	.021	.130	.069	.020	.124	.066	.020	
6.0	.139	.070	.020	.136	.069	.020	.130	.067	.019	.125	.065	.019	.120	.063	.019	
7.0	.133	.066	.019	.130	.065	.018	.125	.063	.018	.120	.061	.018	.115	.060	.018	
8.0	.127	.062	.017	.124	.061	.017	.120	.060	.017	.115	.058	.017	.111	.057	.017	
9.0	.121	.059	.016	.119	.058	.016	.115	.057	.016	.111	.056	.016	.107	.054	.016	
10.0	.116	.056	.015	.114	.055	.015	.110	.054	.015	.107	.053	.015	.103	.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	.171	.157	.144	.147	.135	.124	.100	.093	.086	.058	.054	.050	.019	.017	.016	
2.0	.156	.132	.112	.134	.114	.097	.092	.079	.068	.053	.046	.040	.017	.015	.013	
3.0	.144	.114	.089	.123	.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	.060	.107	.075	.052	.074	.053	.037	.043	.031	.022	.014	.010	.007	
6.0	.117	.078	.050	.101	.067	.043	.069	.047	.031	.040	.028	.018	.013	.009	.006	
7.0	.111	.070	.042	.095	.061	.037	.066	.043	.026	.038	.025	.016	.012	.008	.005	
8.0	.105	.064	.036	.090	.056	.032	.062	.039	.022	.036	.023	.013	.012	.008	.004	
9.0	.099	.059	.031	.086	.051	.027	.059	.036	.019	.035	.021	.012	.011	.007	.004	
10.0	.095	.054	.028	.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:2017-04-21

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	23.1	24.0	23.3	24.2	24.4	12.9	13.8	13.1	14.0	14.2
	3H	23.0	23.9	23.2	24.1	24.3	14.5	15.4	14.8	15.6	15.8
	4H	22.9	23.7	23.2	24.0	24.2	15.2	16.0	15.5	16.3	16.5
	6H	22.9	23.6	23.2	23.9	24.1	15.9	16.7	16.2	16.9	17.2
	8H	22.8	23.6	23.1	23.8	24.1	16.2	16.9	16.5	17.2	17.4
	12H	22.8	23.5	23.1	23.8	24.0	16.4	17.1	16.7	17.4	17.7
4H	2H	22.9	23.7	23.2	23.9	24.1	13.2	14.0	13.5	14.2	14.5
	3H	22.8	23.5	23.1	23.8	24.0	14.9	15.6	15.3	15.9	16.2
	4H	22.7	23.4	23.1	23.7	24.0	15.8	16.4	16.1	16.7	17.0
	6H	22.7	23.3	23.1	23.6	23.9	16.6	17.2	17.0	17.5	17.8
	8H	22.6	23.2	23.0	23.5	23.9	17.0	17.5	17.3	17.8	18.2
	12H	22.6	23.1	23.0	23.5	23.8	17.3	17.8	17.7	18.1	18.5
8H	4H	22.6	23.2	23.0	23.5	23.9	15.9	16.5	16.3	16.8	17.2
	6H	22.6	23.0	23.0	23.4	23.8	16.8	17.3	17.3	17.7	18.1
	8H	22.6	23.0	23.0	23.4	23.8	17.3	17.7	17.7	18.1	18.5
	12H	22.5	22.9	23.0	23.3	23.8	17.7	18.1	18.2	18.5	19.0
12H	4H	22.6	23.1	23.0	23.5	23.8	15.9	16.4	16.3	16.8	17.2
	6H	22.6	23.0	23.0	23.4	23.8	16.9	17.3	17.3	17.7	18.1
	8H	22.5	22.9	23.0	23.3	23.8	17.4	17.7	17.8	18.1	18.6
Variations with the observer position at spacings:											
S = 1.0H		+ 5.4 / - 8.0					+ 0.2 / - 0.2				
1.5H		+ 8.1 / - 7.8					+ 0.7 / - 0.3				
2.0H		+ 0.3 / - 0.2					+ 1.2 / - 0.8				

CIE Pub.117 Corrected 11237 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:2017-04-21

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	80	76	73
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	102	98	95	91
2.00	108	104	100	107	103	100	104	101	98	93
2.50	110	106	103	108	105	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	111	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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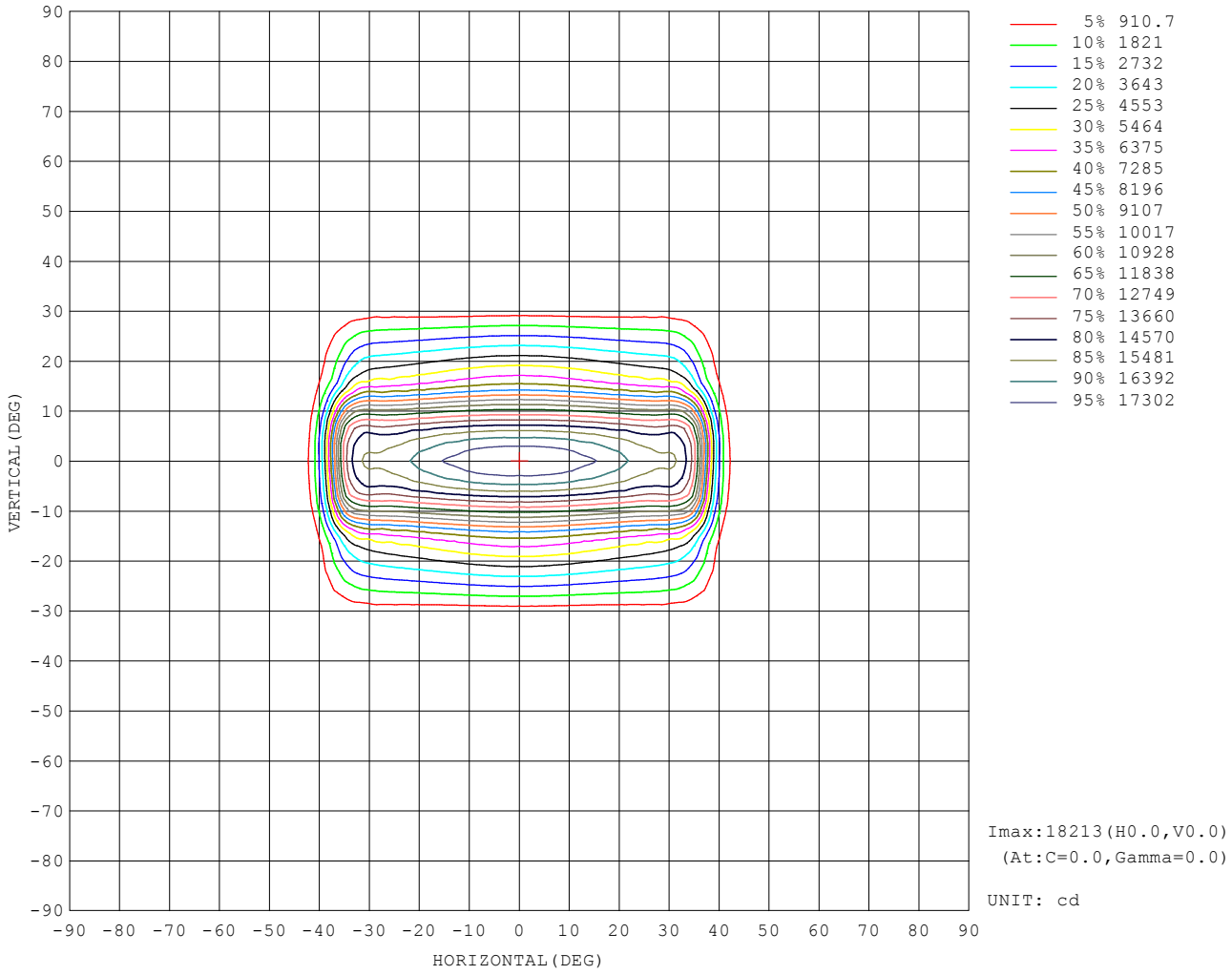
Remarks:

ISOCANDELA DIAGRAM



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Test Speed: HIGH
Temperature:25.3DEG
Operators:
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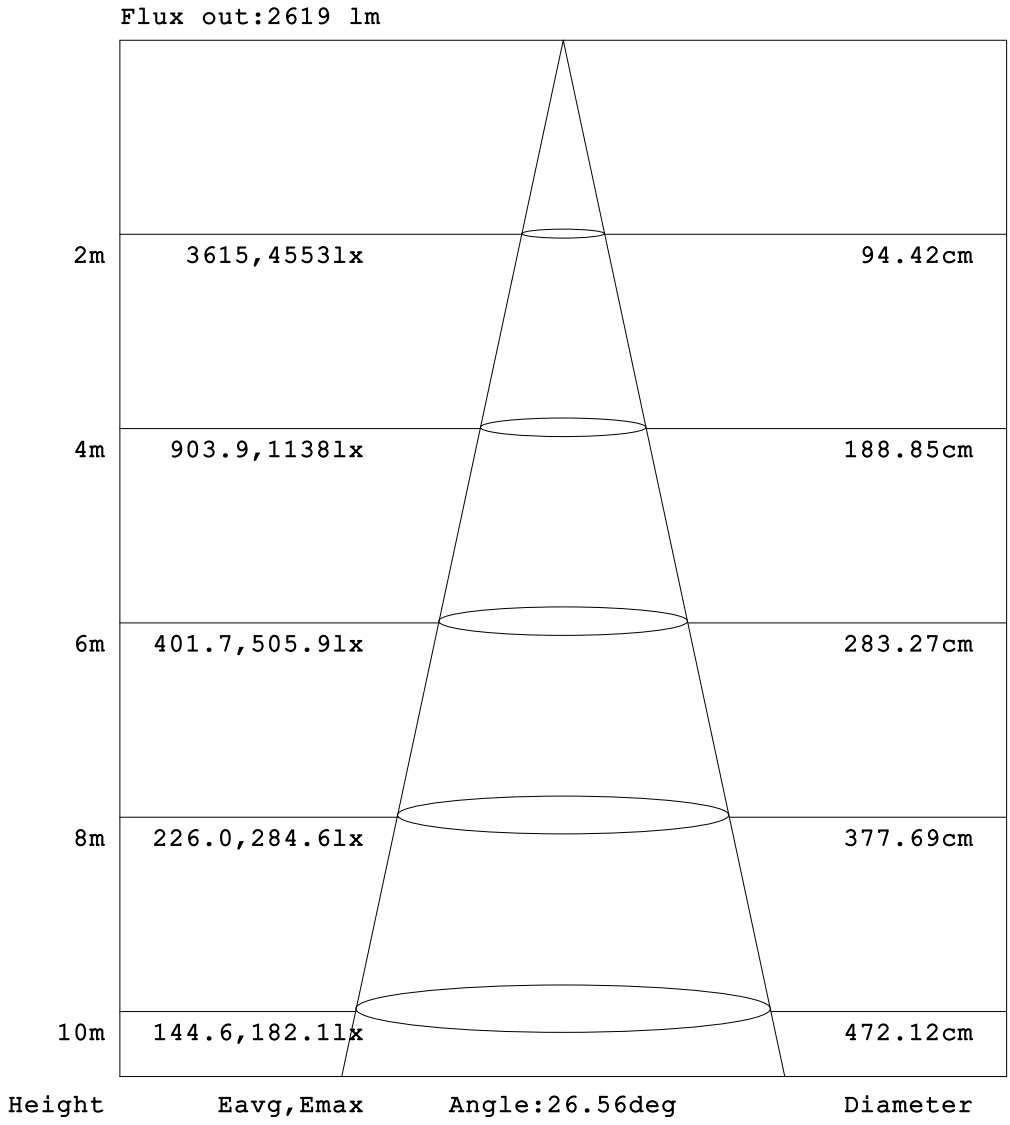
Remarks:

AAI Figure



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

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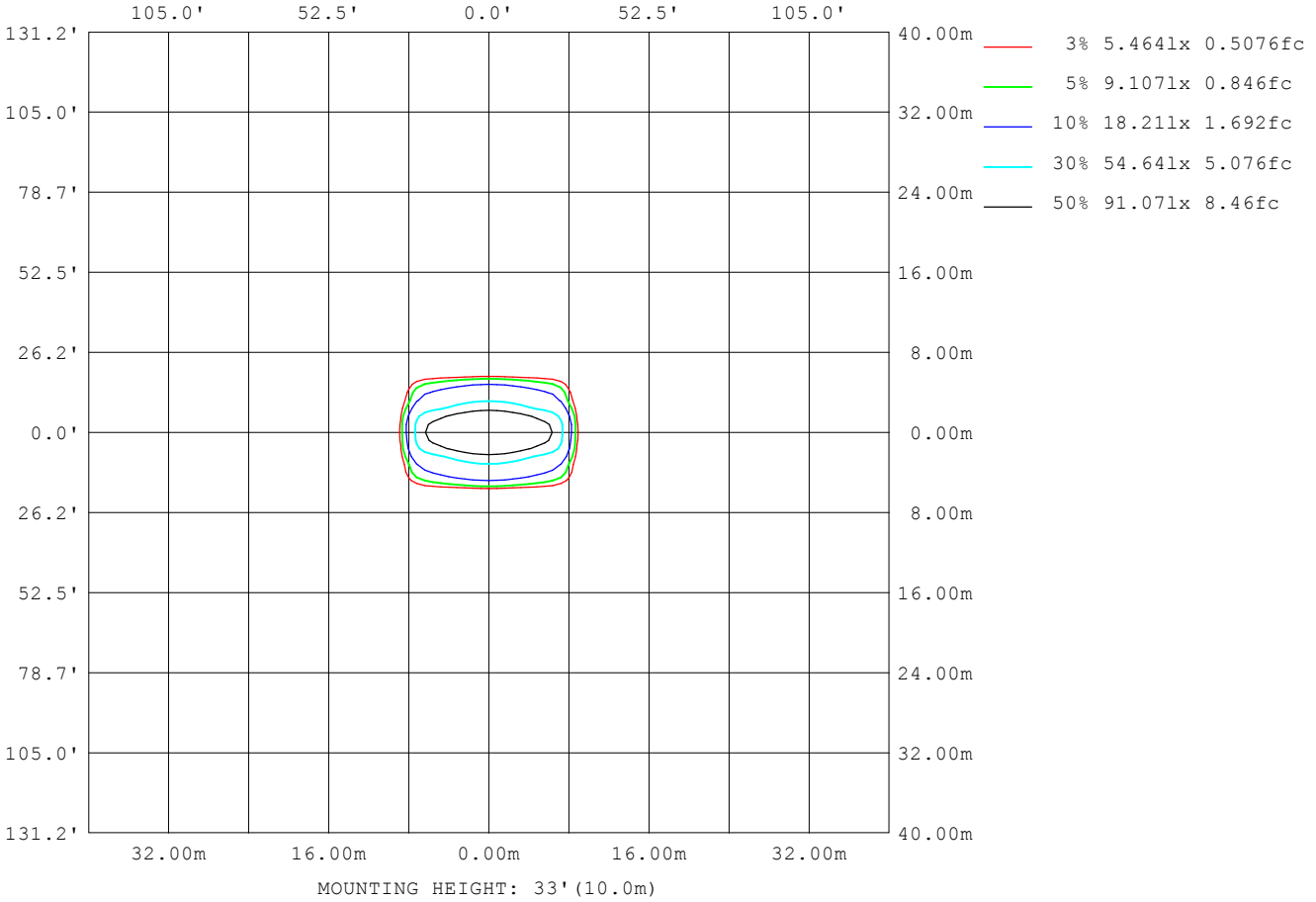
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.1V I:0.4102A P:90.92W PF:0.9635 Lamp Flux:11236.6x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 3070DEG L02801	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

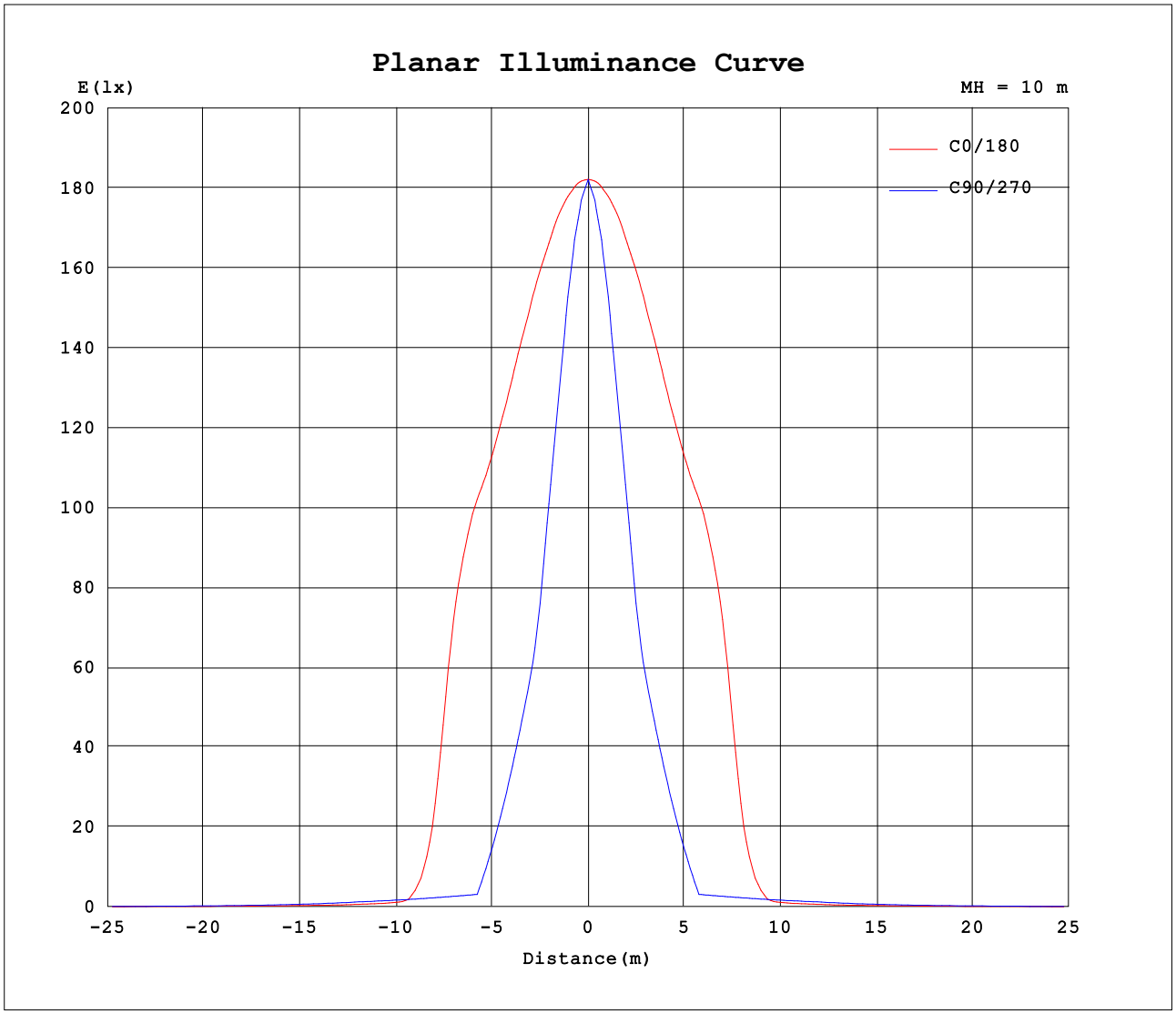
AvgL	cd/m2
L_0~180(65)av	4605
L_0~180(75)av	3976
L_0~180(85)av	478
L_90~270(65)av	8284
L_90~270(75)av	7063
L_90~270(85)av	7624
L_45(65)av	4959
L_45(75)av	4285
L_45(85)av	4742

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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:2017-04-21

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	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
5	1811	1801	1791	1782	1772	1761	1745	1730	1716	1703	1691	1678	1664	1651	1640	1631	1624	1620	1618
10	1783	1763	1744	1715	1682	1645	1598	1553	1502	1450	1403	1359	1320	1286	1260	1239	1223	1213	1208
15	1736	1709	1671	1623	1554	1474	1379	1286	1198	1114	1037	967	905	853	814	792	776	766	760
20	1669	1637	1581	1502	1388	1254	1117	980	849	744	671	624	594	567	545	528	517	510	506
25	1597	1559	1486	1365	1195	1005	811	661	571	518	469	425	387	354	327	305	290	281	277
30	1571	1531	1439	1239	985	717	549	476	408	344	286	233	186	145	110	83.6	64.3	52.1	47.9
35	1310	1284	1220	1004	689	487	408	329	253	180	111	48.1	40.7	40.3	40.7	42.9	45.6	47.3	47.8
40	280	287	301	302	244	264	242	179	99.6	43.7	41.0	38.3	36.8	36.3	36.6	39.2	43.5	46.6	47.7
45	31.1	31.2	30.7	30.3	32.8	50.9	68.5	32.3	33.2	36.5	36.3	34.2	32.6	32.0	32.4	35.2	41.0	45.7	47.6
50	23.8	23.5	23.0	22.4	22.2	22.1	21.8	22.4	24.1	27.7	29.5	28.9	27.9	27.6	28.1	30.8	38.0	44.7	47.4
55	19.6	19.3	18.8	18.4	18.2	18.3	19.1	19.8	20.3	21.5	22.7	22.7	22.7	23.3	24.0	25.9	31.8	37.3	39.8
60	16.5	16.2	15.6	15.1	15.2	16.3	17.1	18.0	18.2	18.2	18.2	18.5	19.0	19.5	20.2	21.5	25.8	30.1	32.1
65	13.6	13.3	12.5	12.1	13.3	15.2	16.1	16.1	15.5	14.7	14.5	14.8	15.3	15.8	16.5	17.4	20.2	22.9	24.5
70	10.6	10.1	9.40	9.34	10.5	13.5	13.9	12.5	11.8	11.2	11.0	11.2	11.7	12.2	12.8	13.5	15.1	16.0	16.9
75	7.20	6.65	6.26	6.30	7.34	8.66	9.81	8.99	8.18	7.73	7.67	7.99	8.53	9.02	9.60	10.2	11.3	12.1	12.8
80	3.25	3.18	3.43	3.69	4.18	5.19	5.93	5.72	5.34	5.23	5.25	5.44	5.81	6.15	6.54	6.93	7.69	8.23	8.72
85	0.29	0.94	1.45	1.74	2.08	2.59	3.16	3.15	2.93	2.87	2.88	2.97	3.15	3.33	3.53	3.73	4.11	4.40	4.65
90	0.08	0.46	0.56	0.58	0.57	0.55	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.58	0.58

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
5	1620	1624	1631	1640	1651	1664	1678	1691	1703	1716	1730	1745	1761	1772	1782	1791	1801	1811	1801
10	1213	1223	1239	1260	1286	1320	1359	1403	1450	1502	1553	1598	1645	1682	1715	1744	1763	1783	1763
15	766	776	792	814	853	905	967	1037	1114	1198	1286	1379	1474	1554	1623	1671	1709	1736	1710
20	510	517	528	545	567	594	624	671	744	849	980	1117	1254	1388	1502	1581	1637	1669	1640
25	281	290	305	327	354	387	425	469	518	571	661	811	1005	1195	1365	1486	1559	1597	1565
30	52.1	64.3	83.6	110	145	186	233	286	344	408	476	549	717	985	1239	1439	1531	1571	1534
35	47.3	45.6	42.9	40.7	40.3	40.7	48.1	111	180	253	329	408	487	689	1004	1220	1284	1310	1319
40	46.6	43.5	39.2	36.6	36.3	36.8	38.3	41.0	43.7	99.6	179	242	264	244	302	301	287	280	309
45	45.7	41.0	35.2	32.4	32.0	32.6	34.2	36.3	36.5	33.2	32.3	68.5	50.9	32.8	30.3	30.7	31.2	31.1	31.5
50	44.7	38.0	30.8	28.1	27.6	27.9	28.9	29.5	27.7	24.1	22.4	21.8	22.1	22.2	22.4	23.0	23.5	23.8	23.4
55	37.3	31.8	25.9	24.0	23.3	22.7	22.7	22.7	21.5	20.3	19.8	19.1	18.3	18.2	18.4	18.8	19.3	19.6	19.3
60	30.1	25.8	21.5	20.2	19.5	19.0	18.5	18.2	18.2	18.2	18.0	17.1	16.3	15.2	15.1	15.6	16.2	16.5	16.2
65	22.9	20.2	17.4	16.5	15.8	15.3	14.8	14.5	14.7	15.5	16.1	16.1	15.2	13.3	12.1	12.5	13.3	13.6	13.2
70	16.0	15.1	13.5	12.8	12.2	11.7	11.2	11.0	11.2	11.8	12.5	13.9	13.5	10.5	9.34	9.40	10.1	10.6	10.1
75	12.1	11.3	10.2	9.60	9.02	8.53	7.99	7.67	7.73	8.18	8.99	9.81	8.66	7.34	6.30	6.26	6.65	7.20	6.67
80	8.23	7.69	6.93	6.54	6.15	5.81	5.44	5.25	5.23	5.34	5.72	5.93	5.19	4.18	3.69	3.43	3.18	3.25	3.21
85	4.40	4.11	3.73	3.53	3.33	3.15	2.97	2.88	2.87	2.93	3.15	3.16	2.59	2.08	1.74	1.45	0.94	0.29	1.03
90	0.58	0.55	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.55	0.57	0.58	0.56	0.46	0.08	0.45

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821
5	1791	1782	1773	1761	1745	1730	1715	1702	1690	1676	1661	1647	1636	1628	1622	1619	1618	1619	1622
10	1745	1716	1683	1646	1600	1556	1504	1452	1405	1362	1322	1288	1260	1237	1220	1211	1208	1211	1220
15	1674	1627	1559	1480	1386	1293	1205	1120	1041	970	907	855	815	790	772	762	760	762	772
20	1588	1512	1398	1263	1125	986	854	746	672	624	592	565	544	528	514	506	506	506	514
25	1498	1379	1206	1014	818	665	572	518	469	426	387	354	326	305	289	279	277	279	289
30	1452	1253	998	727	554	479	410	346	287	234	186	145	110	83.3	63.7	51.8	47.9	51.8	63.7
35	1239	1004	693	499	421	337	255	181	112	48.7	41.0	40.4	40.9	42.7	45.0	46.8	47.8	46.8	45.0
40	310	276	208	236	233	181	102	44.2	41.4	38.8	37.2	36.5	36.9	39.3	43.0	46.0	47.7	46.0	43.0
45	31.6	31.0	37.3	54.0	61.4	32.0	33.1	36.5	36.6	34.5	32.9	32.3	32.7	35.5	40.5	45.0	47.6	45.0	40.5
50	22.9	22.4	22.1	22.1	21.9	22.6	24.3	27.6	29.6	29.2	28.1	27.8	28.5	31.3	37.6	43.9	47.4	43.9	37.6
55	18.8	18.4	18.1	18.2	19.1	19.9	20.4	21.6	22.7	22.8	22.9	23.4	24.2	26.3	31.6	37.0	39.8	37.0	31.6
60	15.6	15.1	15.2	16.0	16.9	17.9	18.2	18.3	18.3	18.6	19.0	19.5	20.2	21.6	25.6	30.1	32.1	30.1	25.6
65	12.5	12.1	13.2	15.0	15.2	15.8	15.5	14.7	14.6	14.9	15.3	15.8	16.4	17.3	20.0	23.4	24.5	23.4	20.0
70	9.44	9.38	10.3	12.9	13.4	12.1	11.8	11.3	11.0	11.3	11.7	12.1	12.6	13.2	14.8	16.8	16.9	16.8	14.8
75	6.33	6.32	7.31	8.62	9.64	8.76	8.26	7.80	7.67	8.00	8.48	8.91	9.41	9.94	11.1	12.7	12.8	12.7	11.1
80	3.45	3.72	4.13	5.25	5.89	5.74	5.45	5.30	5.26	5.45	5.79	6.08	6.42	6.79	7.51	8.63	8.72	8.63	7.51
85	1.45	1.71	2.06	2.63	3.14	3.15	2.99	2.91	2.89	2.98	3.16	3.31	3.47	3.66	4.02	4.59	4.65	4.59	4.02
90	0.50	0.50	0.53	0.53	0.53	0.52	0.52	0.53	0.54	0.55	0.56	0.55	0.55	0.55	0.55	0.56	0.58	0.56	0.55

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821	1821				
5	1628	1636	1647	1661	1676	1690	1702	1715	1730	1745	1761	1773	1782	1791	1801				
10	1237	1260	1288	1322	1362	1405	1452	1504	1556	1600	1646	1683	1716	1745	1763				
15	790	815	855	907	970	1041	1120	1205	1293	1386	1480	1559	1627	1674	1710				
20	528	544	565	592	624	672	746	854	986	1125	1263	1398	1512	1588	1640				
25	305	326	354	387	426	469	518	572	665	818	1014	1206	1379	1498	1565				
30	83.3	110	145	186	234	287	346	410	479	554	727	998	1253	1452	1534				
35	42.7	40.9	40.4	41.0	48.7	112	181	255	337	421	499	693	1004	1239	1319				
40	39.3	36.9	36.5	37.2	38.8	41.4	44.2	102	181	233	236	208	276	310	309				
45	35.5	32.7	32.3	32.9	34.5	36.6	36.5	33.1	32.0	61.4	54.0	37.3	31.0	31.6	31.5				
50	31.3	28.5	27.8	28.1	29.2	29.6	27.6	24.3	22.6	21.9	22.1	22.1	22.4	22.9	23.4				
55	26.3	24.2	23.4	22.9	22.8	22.7	21.6	20.4	19.9	19.1	18.2	18.1	18.4	18.8	19.3				
60	21.6	20.2	19.5	19.0	18.6	18.3	18.3	18.2	17.9	16.9	16.0	15.2	15.1	15.6	16.2				
65	17.3	16.4	15.8	15.3	14.9	14.6	14.7	15.5	15.8	15.2	15.0	13.2	12.1	12.5	13.2				
70	13.2	12.6	12.1	11.7	11.3	11.0	11.3	11.8	12.1	13.4	12.9	10.3	9.38	9.44	10.1				
75	9.94	9.41	8.91	8.48	8.00	7.67	7.80	8.26	8.76	9.64	8.62	7.31	6.32	6.33	6.67				
80	6.79	6.42	6.08	5.79	5.45	5.26	5.30	5.45	5.74	5.89	5.25	4.13	3.72	3.45	3.21				
85	3.66	3.47	3.31	3.16	2.98	2.89	2.91	2.99	3.15	3.14	2.63	2.06	1.71	1.45	1.03				
90	0.55	0.55	0.55	0.56	0.55	0.54	0.53	0.52	0.52	0.53	0.53	0.53	0.50	0.50	0.45				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-21

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: