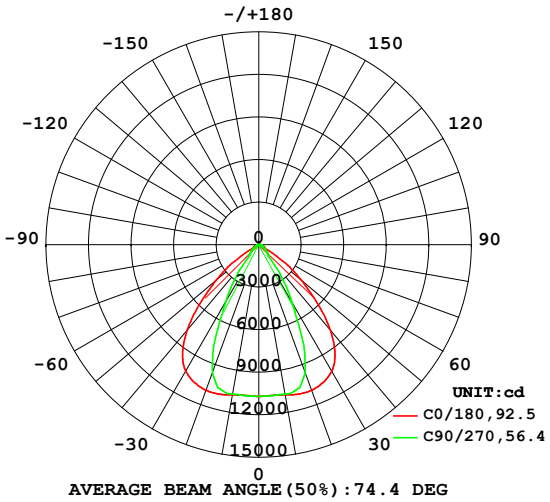
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.6685A P:148.5W PF:0.9656 Lamp Flux:18545.6x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

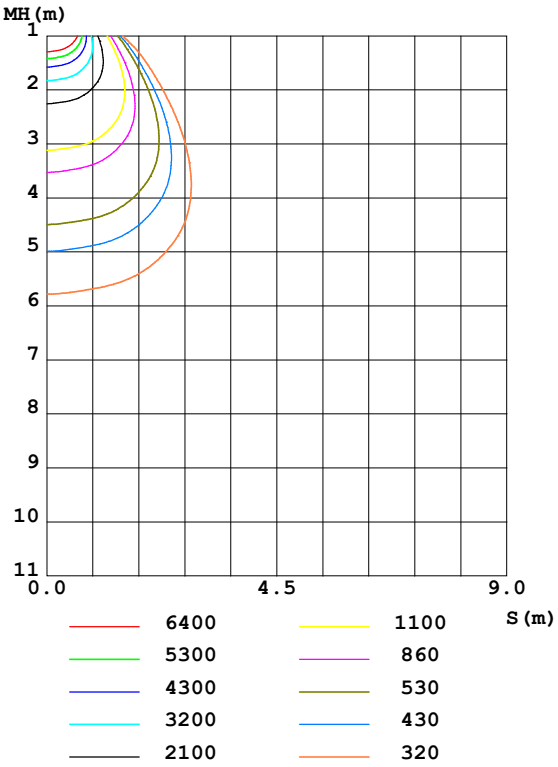
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 124.91 lm/W	
MODEL	LHB01-150	Imax(cd)	12391	S/MH(C0/180)	1.31
NOMINAL POWER(W)	150	LOR(%)	100.0	S/MH(C90/270)	0.86
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	18546	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	18545.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.70

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):74.4 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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	1068	1069	1069	1069	1068	1067	1069	1067	0- 5	255.6	255.6	1.38,1.38
10	1076	1076	1071	1076	1076	1071	1071	1071	5- 10	765.4	1021	5.51,5.51
15	1092	1106	1055	1106	1092	1107	1055	1107	10- 15	1283	2304	12.4,12.4
20	1093	1145	961.3	1145	1093	1155	961.3	1155	15- 20	1794	4098	22.1,22.1
25	1073	1152	722.9	1152	1073	1173	722.9	1173	20- 25	2219	6318	34.1,34.1
30	1030	1063	471.2	1063	1030	1082	471.2	1082	25- 30	2444	8762	47.2,47.2
35	938.3	850.3	289.9	850.3	938.3	860.2	289.9	860.2	30- 35	2465	11227	60.5,60.5
40	783.8	613.9	108.6	613.9	783.8	623.3	108.6	623.3	35- 40	2261	13488	72.7,72.7
45	585.7	380.4	88.28	380.4	585.7	383.7	88.28	383.7	40- 45	1838	15326	82.6,82.6
50	394.9	134.0	67.91	134.0	394.9	129.9	67.91	129.9	45- 50	1348	16674	89.9,89.9
55	232.0	102.6	47.54	102.6	232.0	100.0	47.54	100.0	50- 55	852.2	17526	94.5,94.5
60	43.96	69.93	27.17	69.93	43.96	69.03	27.17	69.03	55- 60	444.0	17970	96.9,96.9
65	36.59	38.54	22.73	38.54	36.59	38.65	22.73	38.65	60- 65	223.0	18193	98.1,98.1
70	20.74	20.07	18.28	20.07	20.74	20.27	18.28	20.27	65- 70	138.6	18332	98.8,98.8
75	13.26	15.23	13.83	15.23	13.26	15.39	13.83	15.39	70- 75	93.05	18425	99.3,99.3
80	7.727	10.33	9.386	10.33	7.727	10.44	9.386	10.44	75- 80	65.17	18490	99.7,99.7
85	2.193	5.425	4.939	5.425	2.193	5.484	4.939	5.484	80- 85	40.63	18531	99.9,99.9
90	0.3211	0.5218	0.4924	0.5218	0.3211	0.5347	0.4924	0.5347	85- 90	15.08	18546	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): 15326 lm

%lum = 82.6%
%lamp = 82.6%

Conical surface Flux(120deg): 17970 lm

%lum = 96.9%
%lamp = 96.9%

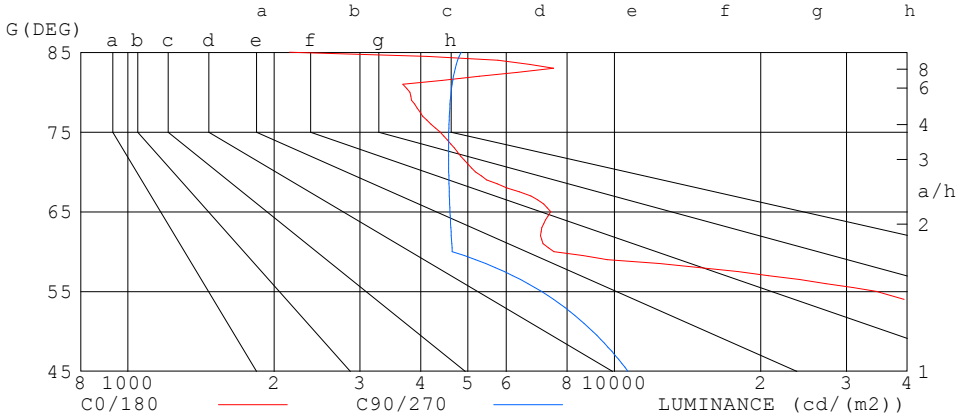
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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	2150	4844
80	3803	4620
75	4380	4568
70	5182	4568
65	7399	4596
60	7515	4645
55	34571	7085
50	52504	9030
45	70797	10671

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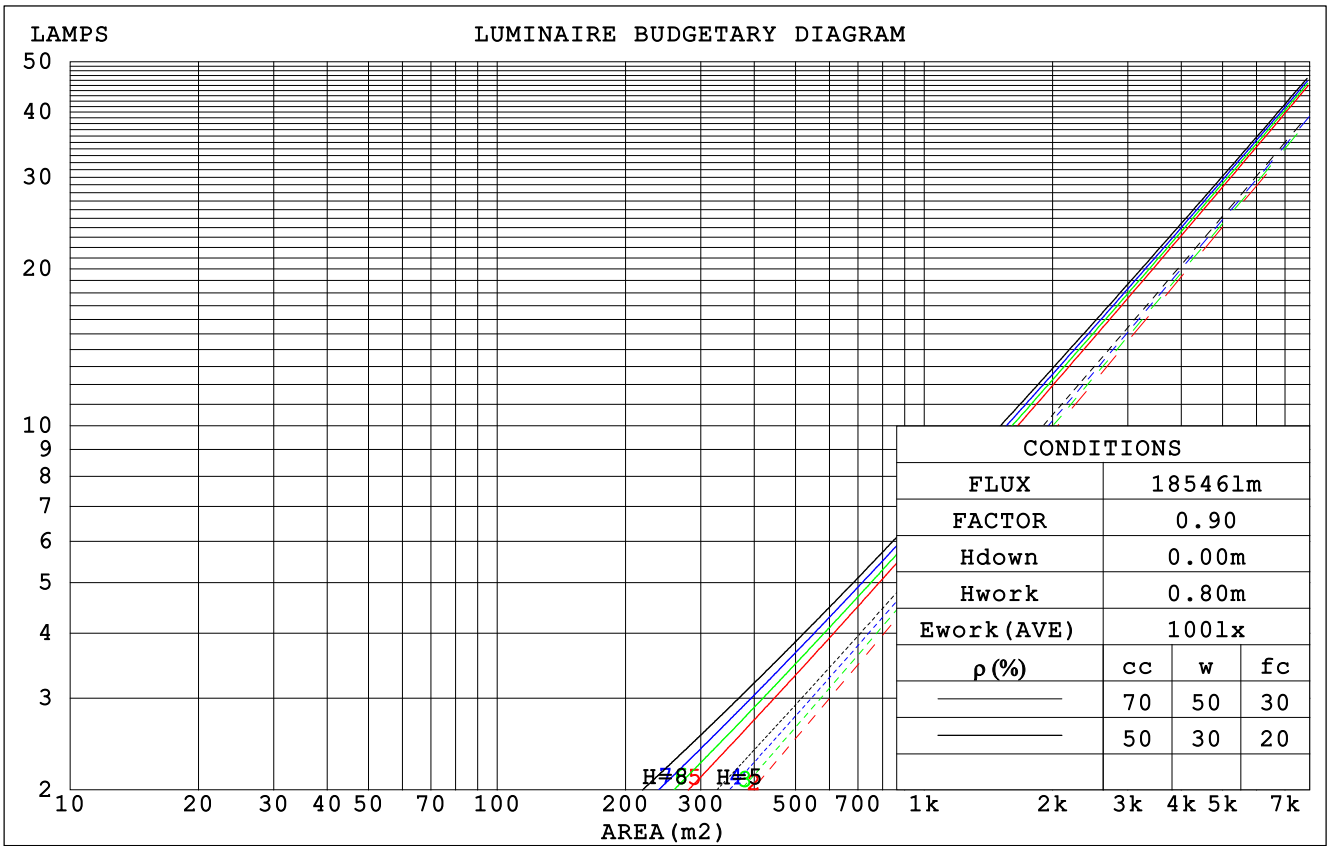
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.09	1.06	1.03	1.07	1.04	1.01	1.02	1.00	.98	.99	.97	.95	.95	.94	.92	.91
2.0	.99	.94	.90	.97	.93	.89	.94	.90	.87	.91	.88	.85	.88	.85	.83	.81
3.0	.90	.84	.79	.89	.83	.79	.86	.81	.77	.83	.79	.76	.81	.78	.75	.73
4.0	.82	.76	.70	.81	.75	.70	.79	.73	.69	.77	.72	.68	.75	.71	.67	.66
5.0	.75	.68	.63	.74	.68	.63	.72	.67	.62	.71	.66	.62	.69	.65	.61	.59
6.0	.69	.62	.57	.68	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.55	.54
7.0	.64	.57	.52	.63	.56	.51	.62	.56	.51	.60	.55	.51	.59	.54	.50	.49
8.0	.59	.52	.47	.58	.52	.47	.57	.51	.47	.56	.51	.46	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.42	.41
10.0	.51	.44	.40	.51	.44	.40	.50	.44	.39	.49	.43	.39	.48	.43	.39	.38



C Range: 0 - 360DEG
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Operators:
Test Date:2017-03-29

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	.216	.123	.039	.210	.120	.038	.197	.113	.036	.185	.107	.034	.174	.101	.033	
2.0	.210	.115	.035	.204	.112	.035	.193	.107	.033	.183	.103	.032	.174	.098	.031	
3.0	.201	.107	.032	.196	.105	.032	.186	.101	.031	.177	.097	.030	.169	.094	.029	
4.0	.191	.099	.029	.187	.098	.029	.178	.095	.028	.171	.092	.028	.163	.089	.027	
5.0	.181	.092	.027	.178	.091	.027	.170	.089	.026	.163	.086	.026	.157	.084	.025	
6.0	.172	.086	.025	.169	.085	.025	.162	.083	.024	.156	.081	.024	.150	.079	.024	
7.0	.164	.081	.023	.161	.080	.023	.155	.078	.023	.149	.077	.022	.144	.075	.022	
8.0	.156	.076	.021	.153	.075	.021	.148	.074	.021	.143	.072	.021	.138	.071	.021	
9.0	.148	.072	.020	.146	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.141	.068	.019	.139	.067	.019	.135	.066	.019	.131	.065	.018	.127	.064	.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	.018	.015	.012	
3.0	.151	.114	.084	.130	.098	.073	.089	.068	.051	.051	.040	.030	.017	.013	.010	
4.0	.143	.100	.067	.122	.086	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.054	.116	.077	.047	.080	.054	.033	.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	.073	.044	.023	.042	.026	.014	.014	.009	.005	
8.0	.117	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.107	.058	.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:2017-03-29

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	26.1	27.2	26.3	27.4	27.6	18.3	19.5	18.5	19.7	19.8
	3H	25.9	27.0	26.2	27.2	27.4	18.3	19.4	18.6	19.6	19.8
	4H	25.8	26.9	26.1	27.1	27.3	18.4	19.4	18.7	19.6	19.9
	6H	25.8	26.7	26.1	27.0	27.2	18.4	19.4	18.7	19.6	19.9
	8H	25.7	26.6	26.0	26.9	27.2	18.5	19.4	18.8	19.6	19.9
	12H	25.7	26.6	26.0	26.8	27.1	18.5	19.4	18.8	19.6	19.9
4H	2H	25.8	26.8	26.1	27.1	27.3	18.6	19.7	18.9	19.9	20.1
	3H	25.7	26.6	26.0	26.9	27.2	18.7	19.6	19.1	19.9	20.2
	4H	25.7	26.4	26.0	26.8	27.1	18.9	19.7	19.2	20.0	20.3
	6H	25.6	26.3	26.0	26.6	27.0	19.0	19.7	19.4	20.0	20.4
	8H	25.6	26.2	26.0	26.6	26.9	19.0	19.7	19.4	20.0	20.4
	12H	25.5	26.1	25.9	26.5	26.9	19.1	19.7	19.5	20.0	20.4
8H	4H	25.5	26.2	25.9	26.5	26.9	18.9	19.5	19.3	19.9	20.2
	6H	25.5	26.0	25.9	26.4	26.8	19.1	19.6	19.5	20.0	20.4
	8H	25.5	25.9	25.9	26.4	26.8	19.2	19.7	19.6	20.1	20.5
	12H	25.4	25.8	25.9	26.3	26.8	19.3	19.7	19.8	20.1	20.6
12H	4H	25.5	26.1	25.9	26.5	26.8	18.9	19.4	19.3	19.8	20.2
	6H	25.5	25.9	25.9	26.3	26.8	19.1	19.6	19.5	20.0	20.4
	8H	25.4	25.8	25.9	26.3	26.7	19.2	19.6	19.7	20.1	20.5
Variations with the observer position at spacings:											
S = 1.0H		+ 2.2 / - 4.4					+ 1.6 / - 2.4				
1.5H		+ 2.0 / - 4.5					+ 2.9 / - 2.0				
2.0H		+ 5.0 / - 8.6					+ 1.7 / - 1.9				

CIE Pub.117 Corrected 18546 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:2017-03-29

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	65	60	73	65	60	72	65	60	55
0.80	84	75	70	83	75	70	81	74	69	64
1.00	91	83	78	90	82	78	88	83	77	72
1.25	96	89	84	95	89	84	93	87	83	78
1.50	100	93	89	99	93	88	96	91	87	82
2.00	104	99	95	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	100	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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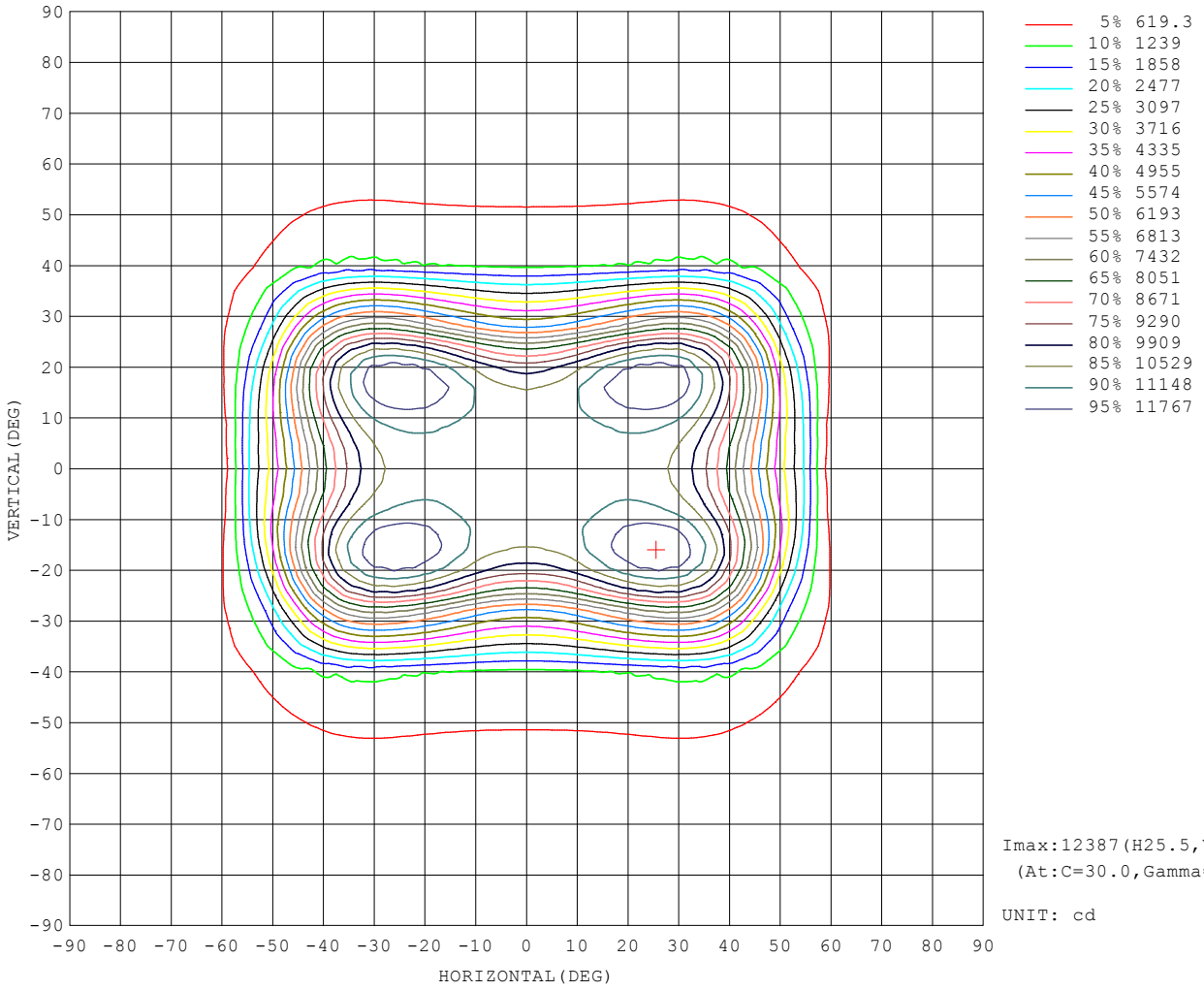
Remarks:

ISOCANDELA DIAGRAM



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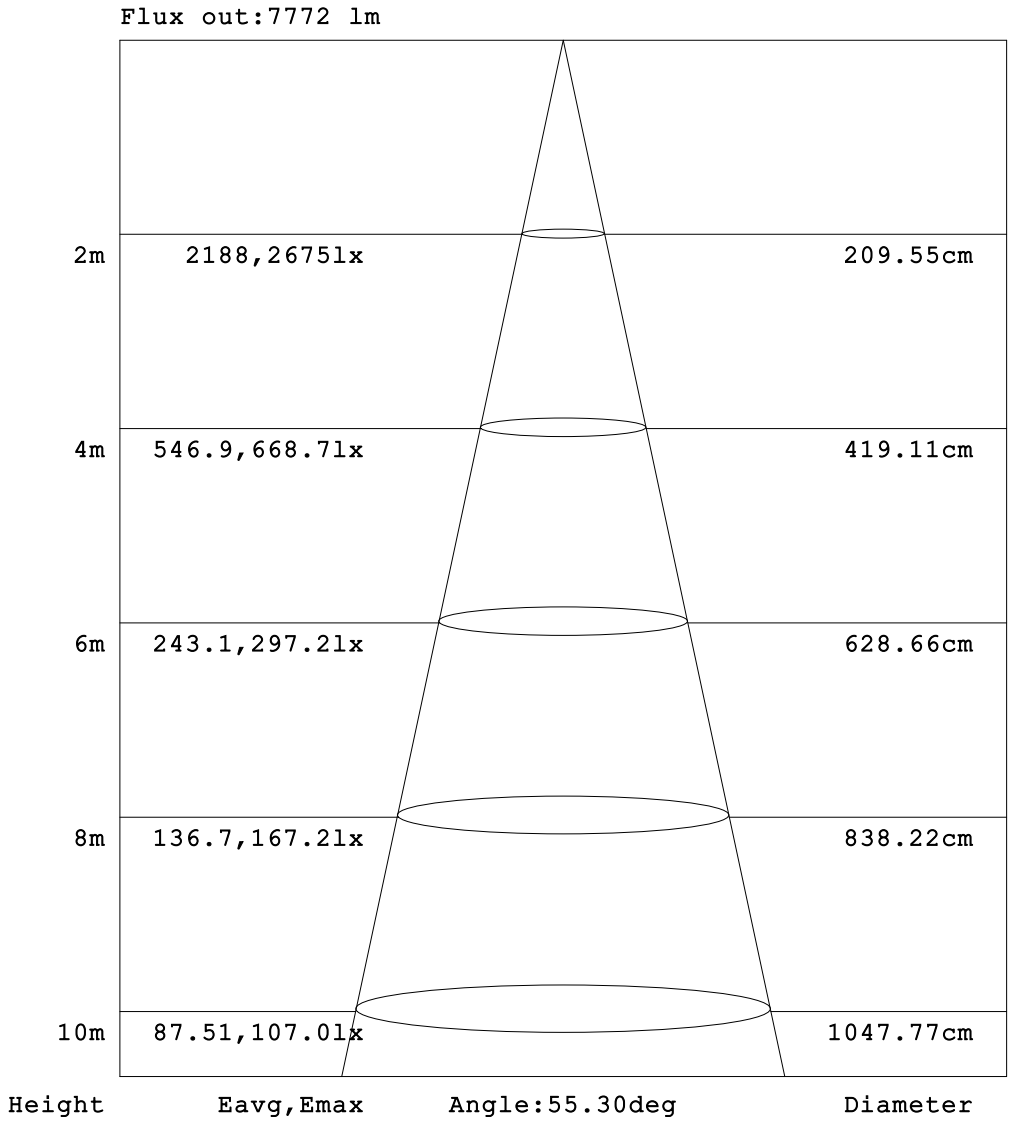
Remarks:

AAI Figure



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

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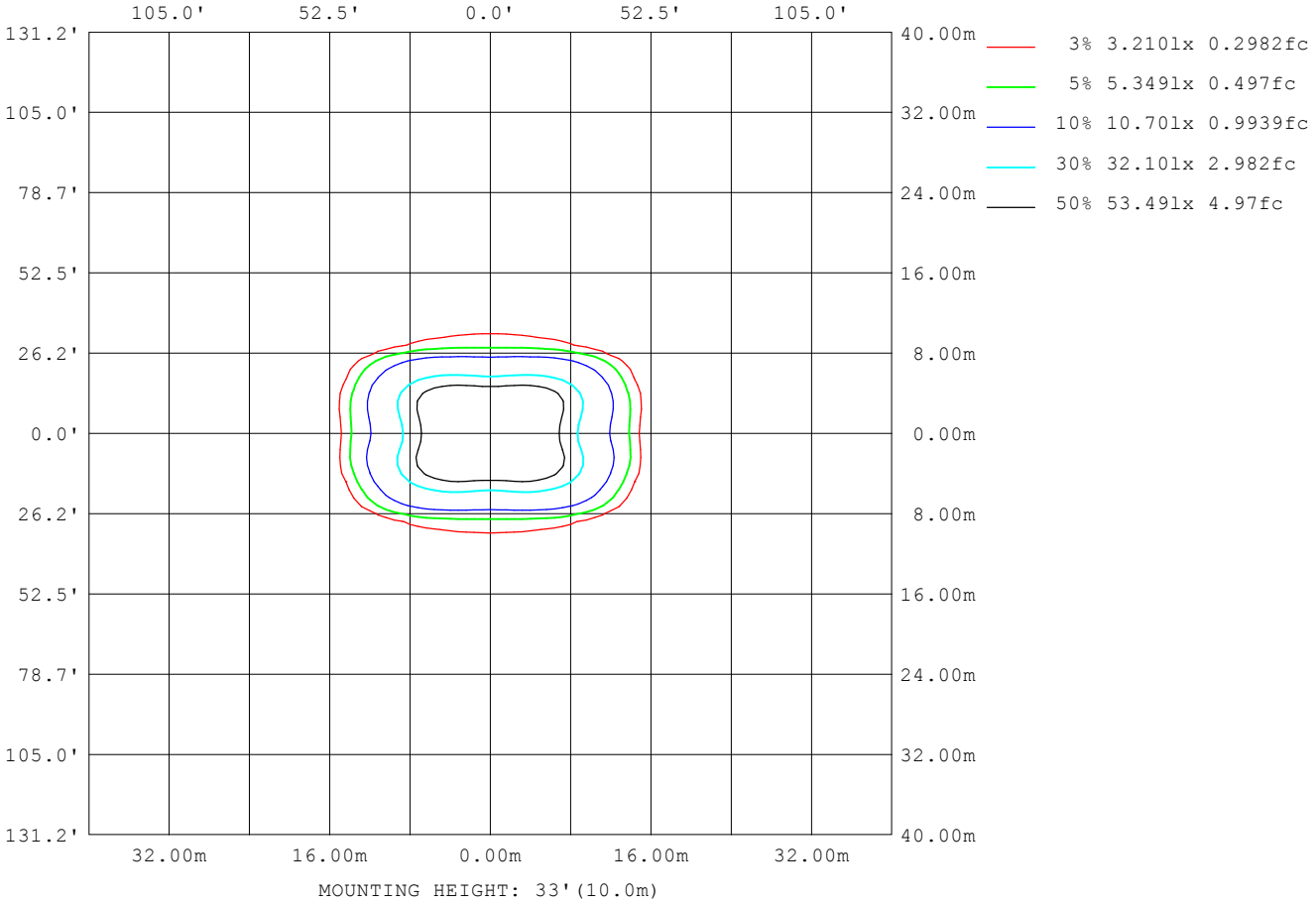
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.6685A P:148.5W PF:0.9656 Lamp Flux:18545.6x1 lm		
NAME: LHB01-150	TYPE:150W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 1.178*0.137*0.102	SERIAL No.:
MFR.:	SUR.:1.17*0.1	Shielding Angle:

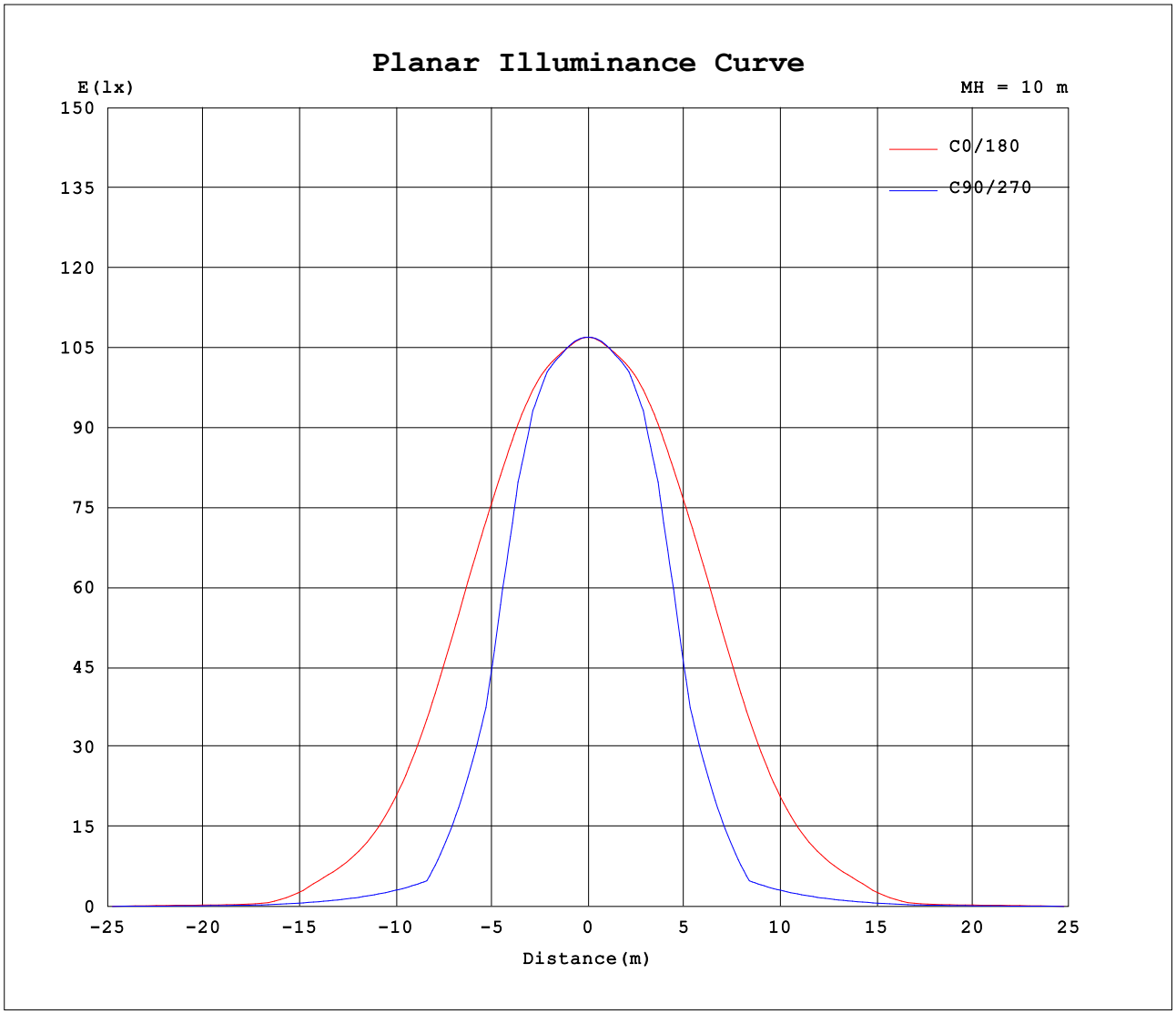
AvgL	cd/m2
L_0~180(65)av	7399
L_0~180(75)av	4380
L_0~180(85)av	2150
L_90~270(65)av	4596
L_90~270(75)av	4568
L_90~270(85)av	4844
L_45(65)av	7805
L_45(75)av	5056
L_45(85)av	5349

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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:2017-03-29

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	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
5	1068	1068	1068	1068	1069	1069	1069	1069	1069	1069	1070	1070	1070	1070	1070	1070	1069	1069	1069
10	1076	1077	1077	1078	1078	1078	1078	1077	1077	1076	1075	1074	1073	1072	1072	1071	1071	1071	1071
15	1092	1093	1094	1095	1099	1101	1102	1105	1106	1106	1103	1096	1086	1077	1069	1063	1058	1056	1055
20	1093	1095	1098	1109	1121	1135	1150	1160	1156	1145	1130	1101	1066	1035	1009	987	972	963	961
25	1073	1078	1089	1114	1147	1183	1203	1210	1194	1152	1107	1037	963	897	841	792	753	730	723
30	1030	1038	1066	1111	1173	1214	1239	1205	1158	1063	971	850	738	642	575	529	497	478	471
35	938	952	1004	1082	1155	1199	1181	1107	1005	850	708	608	520	447	388	344	313	296	290
40	784	803	882	987	1071	1076	1015	894	740	614	498	396	310	241	188	150	126	113	109
45	586	618	708	803	847	829	739	624	504	380	263	161	118	108	100	94.7	91.0	88.9	88.3
50	395	430	500	543	547	504	445	363	252	134	121	107	95.1	85.6	78.6	73.4	70.1	68.4	67.9
55	232	247	268	273	255	241	211	132	109	103	92.9	81.4	70.5	62.1	55.9	51.6	49.0	47.8	47.5
60	44.0	55.4	84.1	107	109	104	79.1	77.6	74.9	69.9	61.9	52.5	43.9	37.2	32.5	29.4	27.7	27.2	27.2
65	36.6	35.5	38.1	46.3	52.2	51.6	51.9	49.6	45.1	38.5	30.1	23.3	23.0	22.6	22.2	22.0	22.0	22.5	22.7
70	20.7	21.1	21.4	23.4	27.1	31.1	30.6	26.3	20.7	20.1	19.3	18.7	18.5	18.2	17.9	17.7	17.7	18.1	18.3
75	13.3	13.3	13.3	14.5	16.9	18.4	16.8	16.0	15.6	15.2	14.7	14.2	14.0	13.8	13.6	13.4	13.4	13.7	13.8
80	7.73	7.29	8.13	9.33	11.5	11.9	11.4	10.9	10.5	10.3	9.98	9.64	9.47	9.36	9.21	9.09	9.09	9.27	9.39
85	2.19	3.52	4.67	4.86	5.60	6.14	6.01	5.71	5.53	5.43	5.26	5.08	4.98	4.93	4.85	4.79	4.79	4.88	4.94
90	0.32	0.71	0.71	0.68	0.64	0.61	0.58	0.56	0.54	0.52	0.51	0.51	0.50	0.50	0.50	0.49	0.49	0.49	0.49

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
5	1069	1069	1070	1070	1070	1070	1070	1070	1069	1069	1069	1069	1069	1069	1068	1068	1068	1068	1067
10	1071	1071	1071	1072	1072	1073	1074	1075	1076	1077	1077	1078	1078	1078	1078	1077	1077	1076	1076
15	1056	1058	1063	1069	1077	1086	1096	1103	1106	1106	1105	1102	1101	1099	1095	1094	1093	1092	1091
20	963	972	987	1009	1035	1066	1101	1130	1145	1156	1160	1150	1135	1121	1109	1098	1095	1093	1095
25	730	753	792	841	897	963	1037	1107	1152	1194	1210	1203	1183	1147	1114	1089	1078	1073	1079
30	478	497	529	575	642	738	850	971	1063	1158	1205	1239	1214	1173	1111	1066	1038	1030	1040
35	296	313	344	388	447	520	608	708	850	1005	1107	1181	1199	1155	1082	1004	952	938	953
40	113	126	150	188	241	310	396	498	614	740	894	1015	1076	1071	987	882	803	784	808
45	88.9	91.0	94.7	100	108	118	161	263	380	504	624	739	829	847	803	708	618	586	619
50	68.4	70.1	73.4	78.6	85.6	95.1	107	121	134	252	363	445	504	547	543	500	430	395	418
55	47.8	49.0	51.6	55.9	62.1	70.5	81.4	92.9	103	109	132	211	241	255	273	268	247	232	242
60	27.2	27.7	29.4	32.5	37.2	43.9	52.5	61.9	69.9	74.9	77.6	79.1	104	109	107	84.1	55.4	44.0	52.5
65	22.5	22.0	22.0	22.2	22.6	23.0	23.3	30.1	38.5	45.1	49.6	51.9	51.6	52.2	46.3	38.1	35.5	36.6	35.4
70	18.1	17.7	17.7	17.9	18.2	18.5	18.7	19.3	20.1	20.7	26.3	30.6	31.1	27.1	23.4	21.4	21.1	20.7	21.2
75	13.7	13.4	13.4	13.6	13.8	14.0	14.2	14.7	15.2	15.6	16.0	16.8	18.4	16.9	14.5	13.3	13.3	13.3	13.3
80	9.27	9.09	9.09	9.21	9.36	9.47	9.64	9.98	10.3	10.5	10.9	11.4	11.9	11.5	9.33	8.13	7.29	7.73	7.29
85	4.88	4.79	4.79	4.85	4.93	4.98	5.08	5.26	5.43	5.53	5.71	6.01	6.14	5.60	4.86	4.67	3.52	2.19	3.53
90	0.49	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.52	0.54	0.56	0.58	0.61	0.64	0.68	0.71	0.71	0.32	0.69

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070
5	1067	1067	1067	1067	1067	1067	1067	1067	1067	1067	1068	1068	1068	1068	1069	1069	1069	1069	1069
10	1075	1074	1073	1073	1073	1073	1072	1071	1070	1070	1070	1070	1071	1070	1070	1070	1071	1070	1070
15	1091	1090	1094	1096	1098	1102	1105	1107	1106	1100	1092	1083	1074	1067	1061	1057	1055	1057	1061
20	1097	1105	1114	1128	1145	1157	1160	1155	1145	1118	1084	1052	1022	998	979	967	961	967	979
25	1089	1110	1137	1170	1195	1212	1207	1173	1133	1058	978	908	849	798	757	732	723	732	757
30	1066	1105	1158	1202	1237	1221	1185	1082	980	853	738	641	574	529	497	478	471	478	497
35	1000	1066	1136	1193	1202	1131	1021	860	710	605	516	444	387	344	314	296	290	296	314
40	877	965	1050	1083	1030	911	754	623	502	395	307	239	187	151	127	113	109	113	127
45	696	788	855	848	757	636	511	384	263	158	115	106	99.8	94.9	91.4	89.1	88.3	89.1	91.4
50	475	540	569	537	469	373	253	130	117	104	92.9	84.3	78.0	73.4	70.3	68.5	67.9	68.5	70.3
55	268	288	282	269	226	135	108	100	90.2	79.1	68.9	61.1	55.5	51.5	49.1	47.9	47.5	47.9	49.1
60	84.6	114	116	110	78.5	78.8	75.6	69.0	60.5	51.3	43.1	36.8	32.3	29.3	27.6	27.1	27.2	27.1	27.6
65	36.3	44.5	52.1	49.7	50.6	49.6	45.8	38.6	29.8	23.3	22.9	22.5	22.1	21.9	22.0	22.4	22.7	22.4	22.0
70	21.3	23.2	27.7	31.0	30.1	26.3	20.9	20.3	19.4	18.7	18.4	18.1	17.8	17.6	17.7	18.0	18.3	18.0	17.7
75	13.3	14.6	17.3	18.7	17.0	16.2	15.7	15.4	14.8	14.2	13.9	13.7	13.5	13.3	13.4	13.6	13.8	13.6	13.4
80	8.10	9.31	11.8	12.2	11.6	11.0	10.6	10.4	10.1	9.66	9.48	9.34	9.18	9.07	9.07	9.23	9.39	9.23	9.07
85	4.42	4.79	5.72	6.30	6.10	5.80	5.59	5.48	5.31	5.11	5.01	4.94	4.85	4.79	4.78	4.86	4.94	4.86	4.78
90	0.67	0.64	0.62	0.60	0.58	0.56	0.54	0.53	0.54	0.54	0.54	0.53	0.52	0.51	0.50	0.49	0.49	0.49	0.50

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070				
5	1068	1068	1068	1068	1067	1067	1067	1067	1067	1067	1067	1067	1067	1067	1067				
10	1070	1071	1070	1070	1070	1070	1071	1072	1073	1073	1073	1073	1074	1075	1076				
15	1067	1074	1083	1092	1100	1106	1107	1105	1102	1098	1096	1094	1090	1091	1091				
20	998	1022	1052	1084	1118	1145	1155	1160	1157	1145	1128	1114	1105	1097	1095				
25	798	849	908	978	1058	1133	1173	1207	1212	1195	1170	1137	1110	1089	1079				
30	529	574	641	738	853	980	1082	1185	1221	1237	1202	1158	1105	1066	1040				
35	344	387	444	516	605	710	860	1021	1131	1202	1193	1136	1066	1000	953				
40	151	187	239	307	395	502	623	754	911	1030	1083	1050	965	877	808				
45	94.9	99.8	106	115	158	263	384	511	636	757	848	855	788	696	619				
50	73.4	78.0	84.3	92.9	104	117	130	253	373	469	537	569	540	475	418				
55	51.5	55.5	61.1	68.9	79.1	90.2	100	108	135	226	269	282	288	268	242				
60	29.3	32.3	36.8	43.1	51.3	60.5	69.0	75.6	78.8	78.5	110	116	114	84.6	52.5				
65	21.9	22.1	22.5	22.9	23.3	29.8	38.6	45.8	49.6	50.6	49.7	52.1	44.5	36.3	35.4				
70	17.6	17.8	18.1	18.4	18.7	19.4	20.3	20.9	26.3	30.1	31.0	27.7	23.2	21.3	21.2				
75	13.3	13.5	13.7	13.9	14.2	14.8	15.4	15.7	16.2	17.0	18.7	17.3	14.6	13.3	13.3				
80	9.07	9.18	9.34	9.48	9.66	10.1	10.4	10.6	11.0	11.6	12.2	11.8	9.31	8.10	7.29				
85	4.79	4.85	4.94	5.01	5.11	5.31	5.48	5.59	5.80	6.10	6.30	5.72	4.79	4.42	3.53				
90	0.51	0.52	0.53	0.54	0.54	0.54	0.53	0.54	0.56	0.58	0.60	0.62	0.64	0.67	0.69				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-29

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: