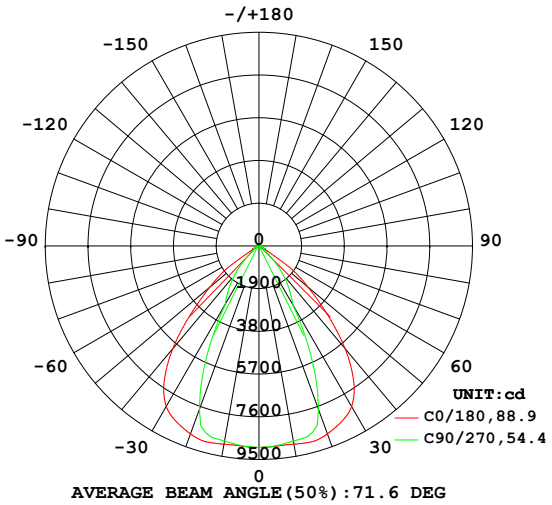
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.5315A P:118.6W PF:0.9704 Lamp Flux:15055.8x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

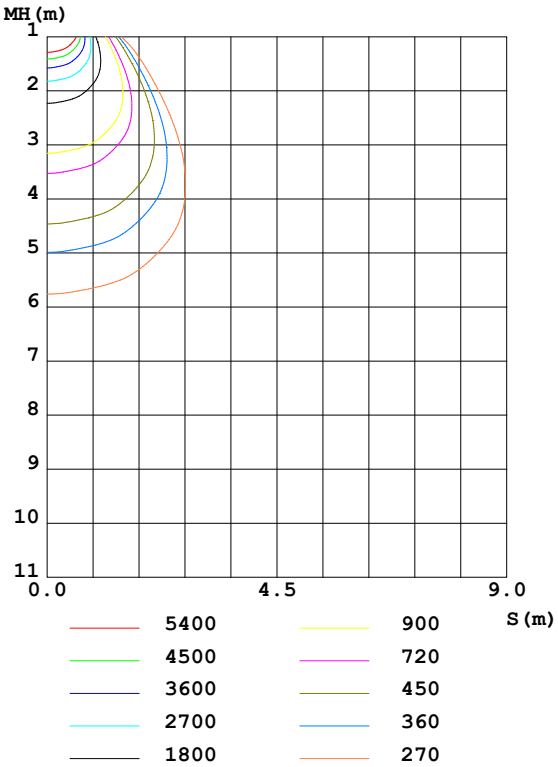
DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.90 lm/W			
MODEL	LHB01-120	Imax(cd)	10318	S/MH(C0/180)	1.26
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.80
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	15056	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	15055.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):71.6 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	893.3	892.5	891.5	892.5	893.3	892.2	891.5	892.2	0- 5	213.8	213.8	1.42,1.42
10	895.2	886.5	881.0	886.5	895.2	886.5	881.0	886.5	5- 10	636.0	849.8	5.64,5.64
15	902.0	903.2	869.7	903.2	902.0	902.4	869.7	902.4	10- 15	1056	1906	12.7,12.7
20	889.7	954.7	773.2	954.7	889.7	954.2	773.2	954.2	15- 20	1476	3382	22.5,22.5
25	864.5	976.8	558.4	976.8	864.5	990.0	558.4	990.0	20- 25	1809	5191	34.5,34.5
30	824.4	860.6	300.9	860.6	824.4	880.7	300.9	880.7	25- 30	1959	7150	47.5,47.5
35	735.3	671.8	234.5	671.8	735.3	678.5	234.5	678.5	30- 35	1928	9078	60.3,60.3
40	596.4	443.2	168.1	443.2	596.4	439.1	168.1	439.1	35- 40	1807	10885	72.3,72.3
45	429.5	351.0	101.8	351.0	429.5	349.2	101.8	349.2	40- 45	1549	12434	82.6,82.6
50	285.6	243.8	35.38	243.8	285.6	243.6	35.38	243.6	45- 50	1152	13586	90.2,90.2
55	167.3	129.9	29.65	129.9	167.3	130.8	29.65	130.8	50- 55	698.6	14284	94.9,94.9
60	33.03	32.08	23.92	32.08	33.03	33.98	23.92	33.98	55- 60	341.7	14626	97.1,97.1
65	27.18	24.81	18.19	24.81	27.18	26.13	18.19	26.13	60- 65	169.3	14795	98.3,98.3
70	15.11	17.29	12.46	17.29	15.11	18.00	12.46	18.00	65- 70	105.6	14901	99,99
75	9.529	9.819	9.463	9.819	9.529	9.893	9.463	9.893	70- 75	69.27	14970	99.4,99.4
80	5.293	6.405	6.462	6.405	5.293	6.414	6.462	6.414	75- 80	46.09	15016	99.7,99.7
85	1.199	3.451	3.460	3.451	1.199	3.475	3.460	3.475	80- 85	28.36	15045	99.9,99.9
90	0.2071	0.4573	0.4589	0.4573	0.2071	0.4978	0.4589	0.4978	85- 90	10.98	15056	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): 12434 lm

%lum = 82.6%
%lamp = 82.6%

Conical surface Flux(120deg): 14626 lm

%lum = 97.1%
%lamp = 97.1%

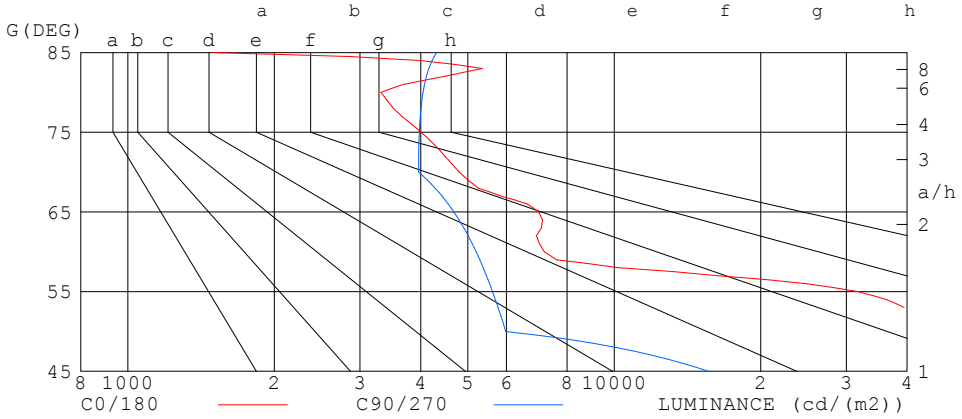
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	1496	4316
80	3313	4045
75	4002	3974
70	4801	3961
65	6990	4680
60	7180	5201
55	31704	5620
50	48300	5984
45	66018	15642

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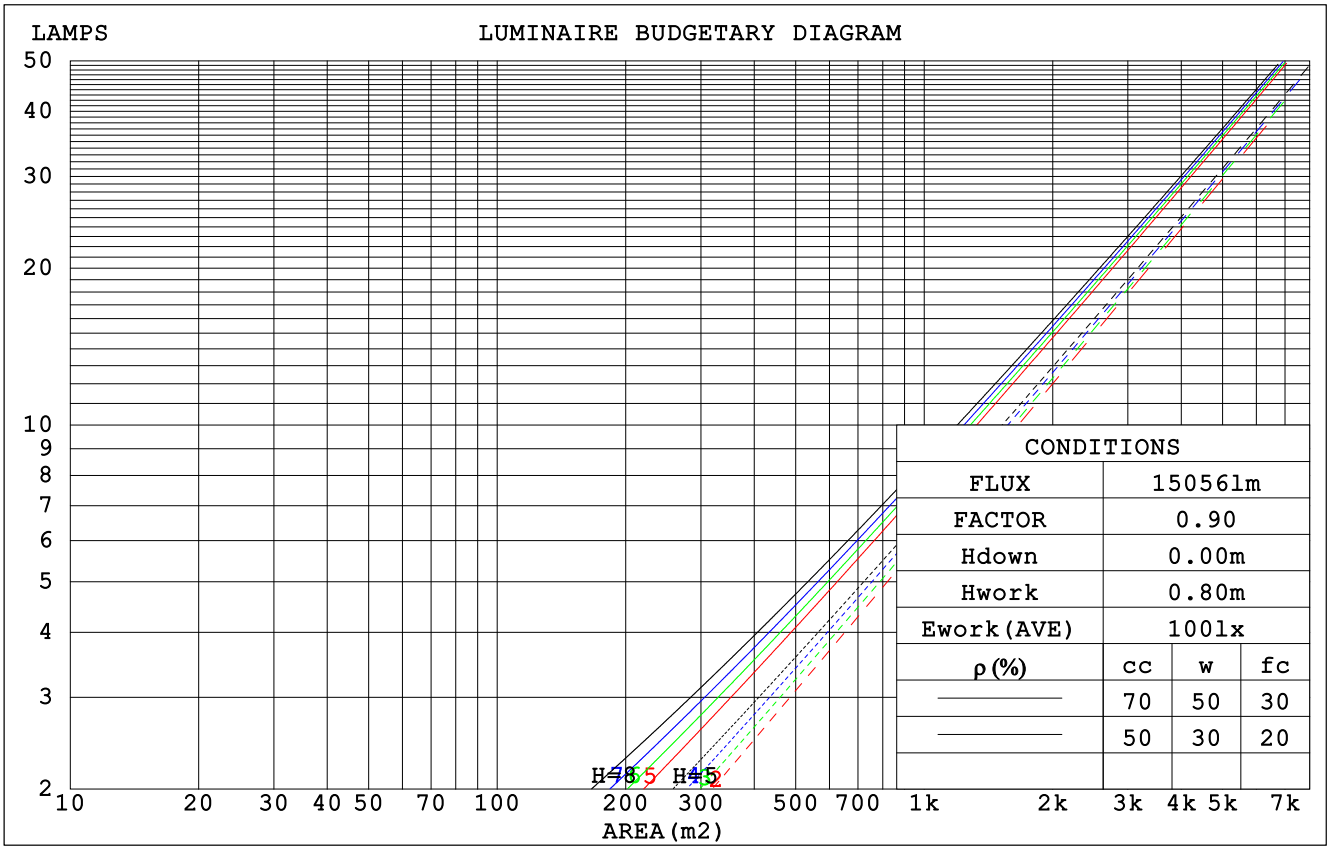
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	.00
1.0	1.09	1.06	1.03	1.07	1.04	1.01	1.03	1.00	.98	.99	.97	.95	.95	.94	.93	.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	.84	.79	.76	.81	.78	.75	.73
4.0	.82	.76	.71	.81	.75	.70	.79	.74	.69	.77	.72	.68	.75	.71	.68	.66
5.0	.76	.68	.63	.75	.68	.63	.73	.67	.62	.71	.66	.62	.69	.65	.61	.59
6.0	.69	.62	.57	.69	.62	.57	.67	.61	.56	.65	.60	.56	.64	.59	.56	.54
7.0	.64	.57	.52	.63	.56	.52	.62	.56	.51	.61	.55	.51	.59	.54	.51	.49
8.0	.59	.52	.47	.59	.52	.47	.57	.51	.47	.56	.51	.47	.55	.50	.46	.45
9.0	.55	.48	.43	.54	.48	.43	.53	.47	.43	.52	.47	.43	.51	.46	.43	.41
10.0	.51	.44	.40	.51	.44	.40	.50	.44	.40	.49	.43	.39	.48	.43	.39	.38



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	.215	.122	.039	.208	.119	.038	.196	.112	.036	.184	.106	.034	.173	.100	.032	
2.0	.209	.115	.035	.203	.112	.034	.192	.107	.033	.182	.102	.032	.173	.098	.031	
3.0	.200	.106	.032	.195	.104	.031	.186	.101	.031	.177	.097	.030	.169	.093	.029	
4.0	.190	.099	.029	.186	.097	.029	.178	.094	.028	.170	.091	.028	.163	.088	.027	
5.0	.181	.092	.027	.177	.091	.026	.170	.088	.026	.163	.086	.026	.156	.084	.025	
6.0	.172	.086	.025	.168	.085	.024	.162	.083	.024	.156	.081	.024	.150	.079	.023	
7.0	.163	.081	.023	.160	.080	.023	.154	.078	.022	.149	.076	.022	.144	.075	.022	
8.0	.155	.076	.021	.153	.075	.021	.147	.074	.021	.142	.072	.021	.138	.071	.021	
9.0	.148	.072	.020	.145	.071	.020	.141	.070	.020	.136	.068	.020	.132	.067	.019	
10.0	.141	.068	.019	.139	.067	.019	.134	.066	.019	.130	.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	.129	.098	.073	.089	.068	.051	.051	.040	.030	.016	.013	.010	
4.0	.142	.100	.067	.122	.086	.058	.084	.060	.041	.049	.035	.024	.016	.011	.008	
5.0	.135	.089	.055	.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	.116	.067	.033	.100	.058	.028	.069	.041	.020	.040	.024	.012	.013	.008	.004	
9.0	.111	.062	.028	.096	.054	.025	.066	.038	.018	.039	.022	.010	.013	.007	.003	
10.0	.106	.057	.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:2017-04-22

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	25.8	27.0	26.1	27.2	27.4	18.9	20.1	19.2	20.3	20.5
	3H	25.7	26.8	26.0	27.0	27.2	18.9	20.0	19.2	20.2	20.4
	4H	25.6	26.6	25.9	26.9	27.1	18.9	19.9	19.2	20.2	20.4
	6H	25.5	26.5	25.8	26.7	27.0	18.9	19.9	19.2	20.1	20.4
	8H	25.5	26.4	25.8	26.7	26.9	18.9	19.8	19.3	20.1	20.4
	12H	25.4	26.3	25.8	26.6	26.9	18.9	19.8	19.3	20.1	20.4
4H	2H	25.6	26.6	25.9	26.8	27.1	19.3	20.3	19.6	20.5	20.8
	3H	25.5	26.3	25.8	26.6	26.9	19.3	20.2	19.6	20.5	20.7
	4H	25.4	26.2	25.8	26.5	26.8	19.3	20.1	19.7	20.4	20.8
	6H	25.3	26.0	25.7	26.4	26.7	19.4	20.1	19.8	20.4	20.8
	8H	25.3	25.9	25.7	26.3	26.7	19.4	20.1	19.8	20.4	20.8
	12H	25.3	25.8	25.7	26.2	26.6	19.4	20.0	19.9	20.4	20.8
8H	4H	25.3	25.9	25.7	26.3	26.6	19.3	20.0	19.7	20.3	20.7
	6H	25.2	25.8	25.7	26.2	26.6	19.4	20.0	19.9	20.4	20.8
	8H	25.2	25.7	25.7	26.1	26.5	19.5	20.0	20.0	20.4	20.8
	12H	25.2	25.6	25.6	26.0	26.5	19.6	20.0	20.0	20.4	20.9
12H	4H	25.2	25.8	25.6	26.2	26.6	19.3	19.9	19.7	20.3	20.6
	6H	25.2	25.6	25.6	26.1	26.5	19.4	19.9	19.9	20.3	20.7
	8H	25.2	25.6	25.6	26.0	26.5	19.5	19.9	20.0	20.3	20.8
Variations with the observer position at spacings:											
S = 1.0H		+ 2.2 / - 4.6					+ 2.1 / - 4.2				
1.5H		+ 2.1 / - 2.7					+ 3.5 / - 4.8				
2.0H		+ 5.0 / - 8.8					+ 4.1 / - 2.4				

CIE Pub.117 Corrected 15056 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.4)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	64	60	55
0.80	83	75	70	82	75	70	81	74	69	64
1.00	90	83	78	89	82	77	88	83	77	72
1.25	96	89	84	95	88	84	93	87	83	78
1.50	100	93	89	98	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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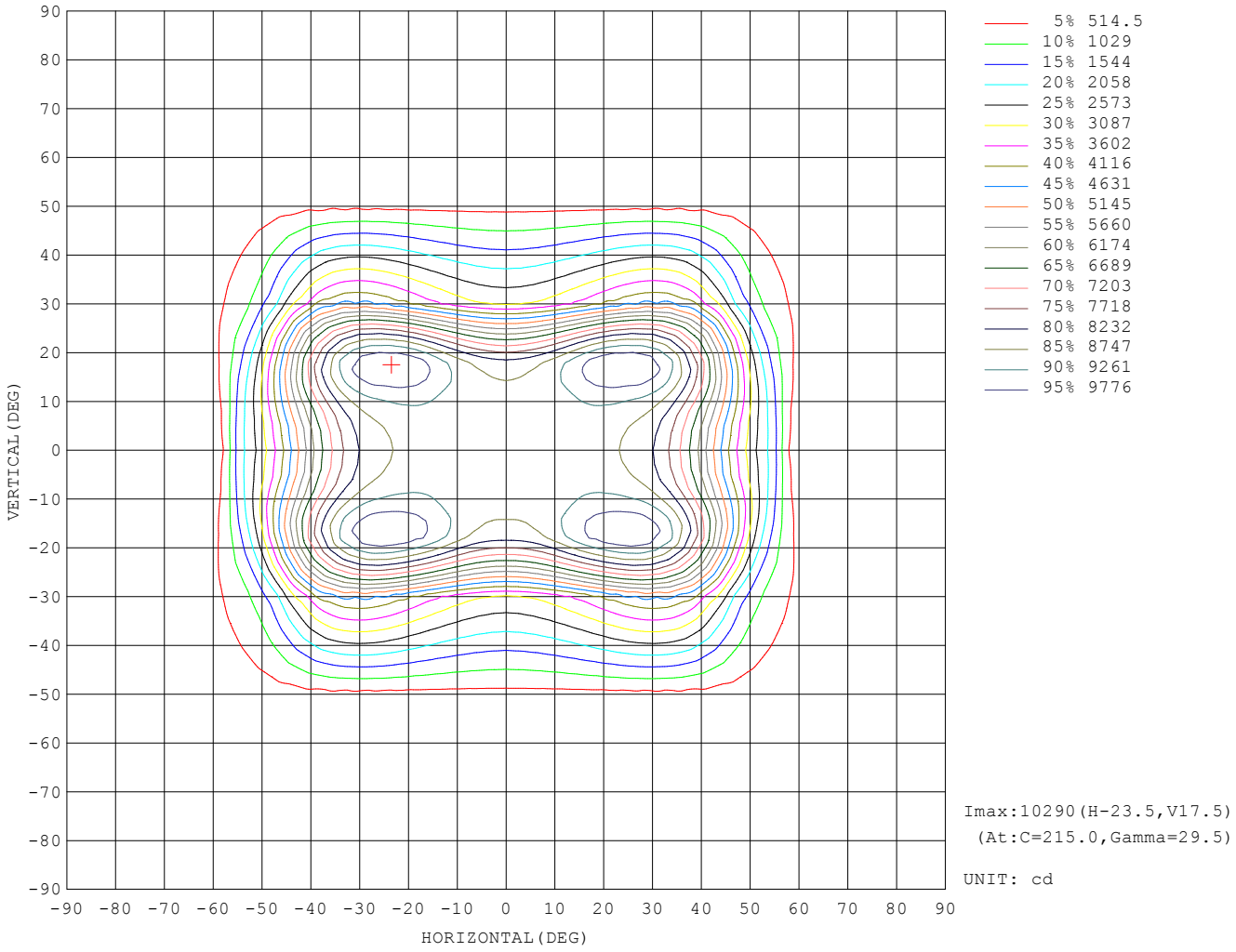
Remarks:

ISOCANDELA DIAGRAM



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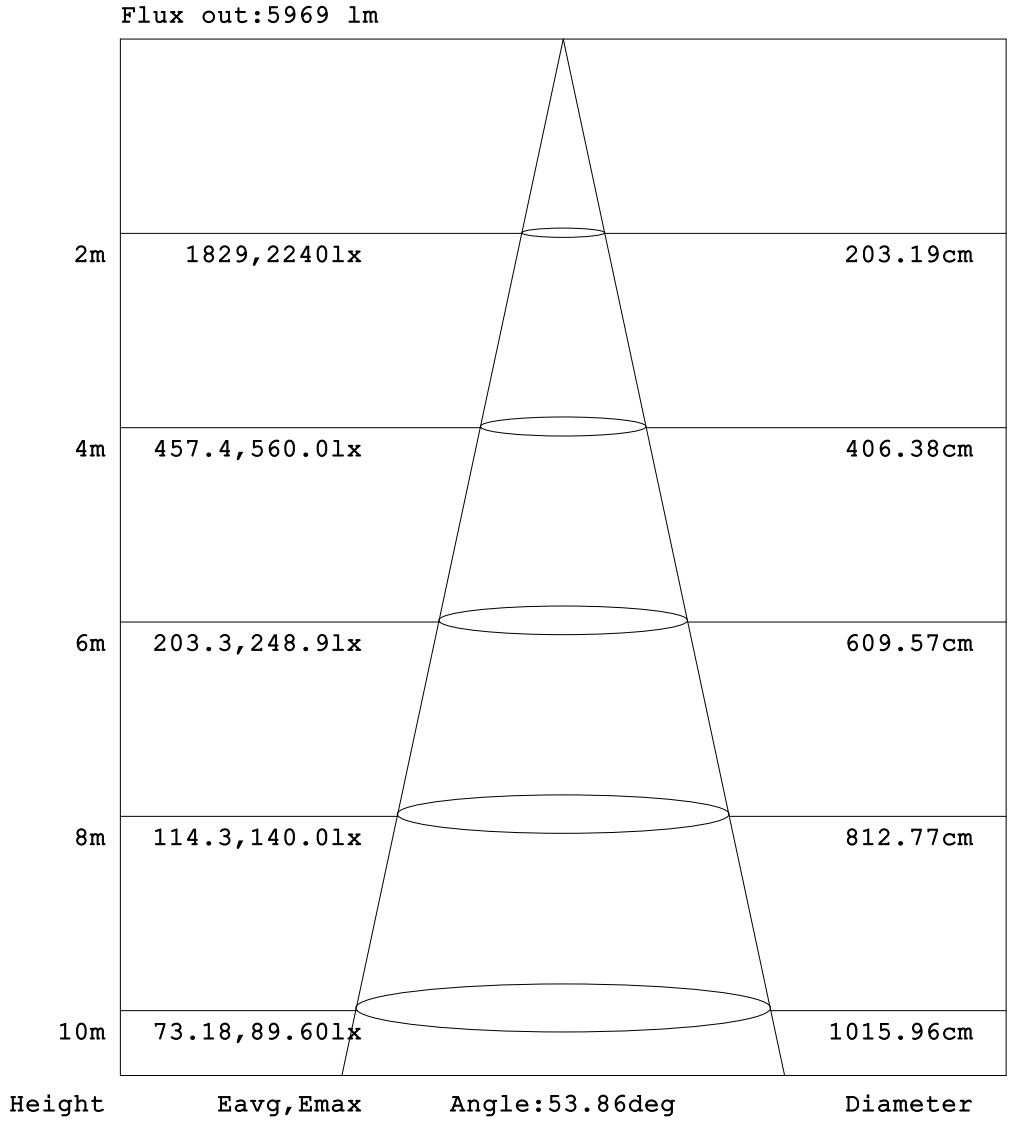
AAI Figure



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

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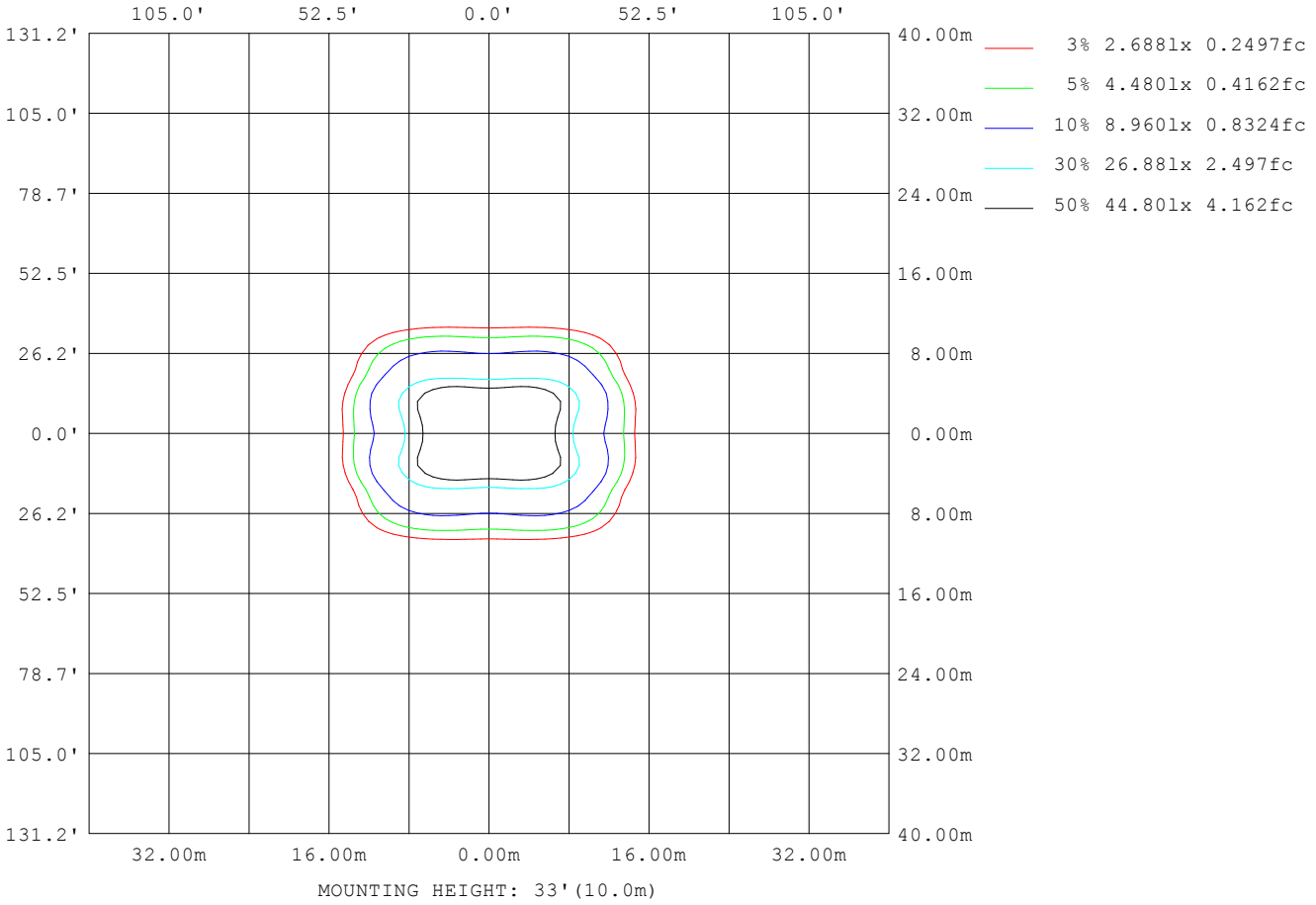
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.5315A P:118.6W PF:0.9704 Lamp Flux:15055.8x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

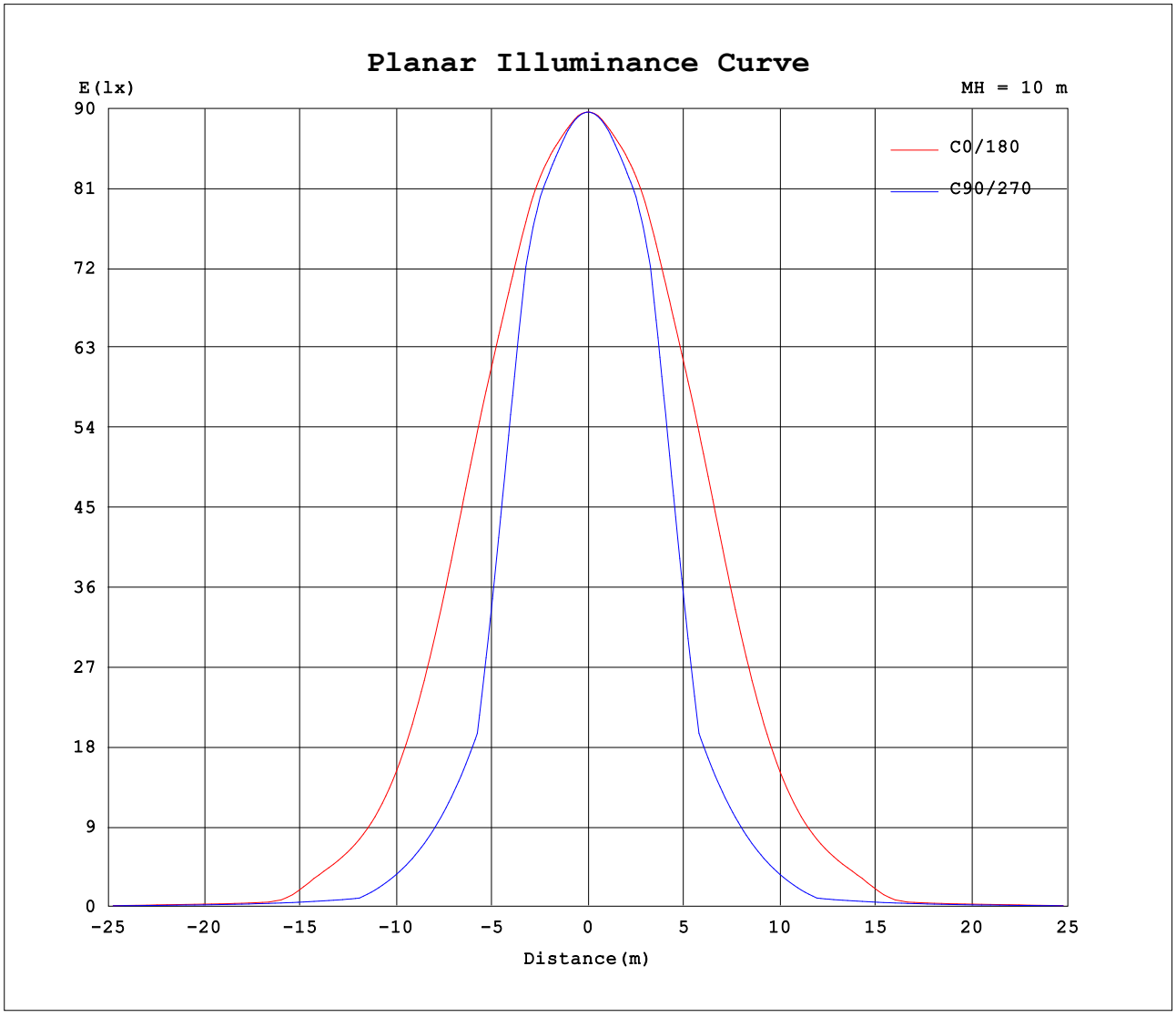
AvgL	cd/m2
L_0~180(65)av	6990
L_0~180(75)av	4002
L_0~180(85)av	1496
L_90~270(65)av	4680
L_90~270(75)av	3974
L_90~270(85)av	4316
L_45(65)av	6551
L_45(75)av	4139
L_45(85)av	4319

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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:2017-04-22

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	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896
5	893	893	893	893	893	893	893	893	893	893	893	892	892	892	892	892	892	892	891
10	895	895	895	894	893	892	891	889	888	887	885	884	883	882	882	881	881	881	881
15	902	902	902	903	903	904	905	905	905	903	900	896	892	887	882	876	872	870	870
20	890	891	896	902	913	926	939	950	957	955	942	921	898	869	834	807	788	776	773
25	865	869	878	896	924	955	986	1003	1001	977	915	847	782	717	662	618	585	565	558
30	824	830	847	886	938	992	1022	1015	946	861	766	668	574	491	422	369	331	309	301
35	735	746	781	848	929	982	971	899	795	672	542	413	360	322	291	267	249	239	235
40	596	613	671	766	848	857	801	702	568	443	387	335	290	251	221	198	182	172	168
45	429	451	525	616	659	637	570	451	401	351	300	251	208	173	145	126	112	104	102
50	286	307	363	402	405	376	322	315	287	244	198	154	115	85.6	64.3	49.9	41.2	36.7	35.4
55	167	176	189	191	180	164	182	186	167	130	85.9	45.6	33.5	32.0	31.0	30.3	29.7	29.6	29.7
60	33.0	37.3	57.2	77.5	77.5	81.8	87.3	84.6	61.0	32.1	30.2	28.7	27.5	26.3	25.4	24.7	24.0	23.9	23.9
65	27.2	26.8	27.8	34.0	40.1	42.0	37.6	27.7	26.4	24.8	23.2	22.1	21.2	20.4	19.7	19.0	18.2	18.1	18.2
70	15.1	15.4	15.6	17.4	20.3	20.0	20.0	20.0	18.8	17.3	16.0	15.3	14.8	14.3	13.9	13.4	12.5	12.4	12.5
75	9.53	9.69	9.83	10.8	12.6	13.1	13.4	13.2	11.6	9.82	9.10	9.59	9.92	10.1	10.1	9.93	9.37	9.35	9.46
80	5.29	5.23	5.88	6.70	8.05	8.39	7.82	7.95	7.09	6.40	6.19	6.46	6.74	6.85	6.90	6.79	6.41	6.39	6.46
85	1.20	2.21	3.42	3.53	4.11	4.52	4.08	4.20	3.84	3.45	3.32	3.43	3.59	3.65	3.68	3.63	3.44	3.42	3.46
90	0.21	0.54	0.54	0.53	0.51	0.49	0.48	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.46	0.46	0.46	0.46

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896
5	892	892	892	892	892	892	892	893	893	893	893	893	893	893	893	893	893	893	893
10	881	881	881	882	882	883	884	885	887	888	889	891	892	893	894	895	895	895	895
15	870	872	876	882	887	892	896	900	903	905	905	905	904	903	903	902	902	902	902
20	776	788	807	834	869	898	921	942	955	957	950	939	926	913	902	896	891	890	891
25	565	585	618	662	717	782	847	915	977	1001	1003	986	955	924	896	878	869	865	868
30	309	331	369	422	491	574	668	766	861	946	1015	1022	992	938	886	847	830	824	833
35	239	249	267	291	322	360	413	542	672	795	899	971	982	929	848	781	746	735	749
40	172	182	198	221	251	290	335	387	443	568	702	801	857	848	766	671	613	596	616
45	104	112	126	145	173	208	251	300	351	401	451	570	637	659	616	525	451	429	458
50	36.7	41.2	49.9	64.3	85.6	115	154	198	244	287	315	322	376	405	402	363	307	286	307
55	29.6	29.7	30.3	31.0	32.0	33.5	45.6	85.9	130	167	186	182	164	180	191	189	176	167	174
60	23.9	24.0	24.7	25.4	26.3	27.5	28.7	30.2	32.1	61.0	84.6	87.3	81.8	77.5	77.5	57.2	37.3	33.0	36.5
65	18.1	18.2	19.0	19.7	20.4	21.2	22.1	23.2	24.8	26.4	27.7	37.6	42.0	40.1	34.0	27.8	26.8	27.2	26.7
70	12.4	12.5	13.4	13.9	14.3	14.8	15.3	16.0	17.3	18.8	20.0	20.0	20.0	20.3	17.4	15.6	15.4	15.1	15.4
75	9.35	9.37	9.93	10.1	10.1	9.92	9.59	9.10	9.82	11.6	13.2	13.4	13.1	12.6	10.8	9.83	9.69	9.53	9.66
80	6.39	6.41	6.79	6.90	6.85	6.74	6.46	6.19	6.40	7.09	7.95	7.82	8.39	8.05	6.70	5.88	5.23	5.29	5.22
85	3.42	3.44	3.63	3.68	3.65	3.59	3.43	3.32	3.45	3.84	4.20	4.08	4.52	4.11	3.53	3.42	2.21	1.20	2.20
90	0.46	0.46	0.46	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.48	0.49	0.51	0.53	0.54	0.54	0.21	0.53

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896
5	893	893	893	893	893	892	892	892	892	892	892	892	891	891	891	891	891	891	891
10	895	894	893	892	890	889	888	887	886	885	884	883	883	882	882	881	881	881	882
15	902	902	902	902	903	903	903	902	900	898	894	891	886	880	875	871	870	871	875
20	895	901	910	922	935	947	955	954	943	925	903	875	841	813	792	779	773	779	792
25	877	892	917	948	983	1006	1010	990	927	857	789	723	667	621	586	565	558	565	586
30	849	884	931	985	1020	1023	963	881	782	675	576	490	421	367	330	308	301	308	330
35	783	846	925	981	977	910	808	678	542	411	359	321	290	266	248	238	235	238	248
40	673	764	845	863	814	714	570	439	384	333	289	251	221	197	181	171	168	171	181
45	530	614	661	650	579	449	399	349	298	250	207	173	146	126	112	104	102	104	112
50	355	397	413	387	327	315	286	244	198	154	116	86.8	65.4	50.9	41.7	36.9	35.4	36.9	41.7
55	189	195	188	172	189	189	168	131	87.2	47.5	35.4	33.6	32.2	31.2	30.2	29.7	29.7	29.7	30.2
60	55.5	77.7	76.5	83.8	91.4	88.0	63.2	34.0	31.7	30.2	28.9	27.5	26.2	25.3	24.3	23.9	23.9	23.9	24.3
65	27.0	32.9	39.3	41.7	38.6	28.7	27.8	26.1	24.3	23.0	22.1	21.1	20.2	19.4	18.4	18.1	18.2	18.1	18.4
70	15.6	17.4	20.3	20.4	20.5	20.6	19.5	18.0	16.5	15.7	15.1	14.5	14.0	13.4	12.5	12.3	12.5	12.3	12.5
75	9.87	10.9	12.8	13.4	13.7	13.4	11.8	9.89	9.10	9.60	9.92	10.1	10.1	9.92	9.37	9.29	9.46	9.29	9.37
80	5.87	6.67	8.13	8.58	8.02	7.96	7.18	6.41	6.20	6.49	6.75	6.85	6.90	6.78	6.41	6.35	6.46	6.35	6.41
85	3.39	3.61	4.19	4.63	4.20	4.23	3.91	3.48	3.34	3.47	3.61	3.66	3.69	3.63	3.44	3.40	3.46	3.40	3.44
90	0.53	0.51	0.49	0.51	0.53	0.52	0.51	0.50	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.46	0.46	0.46	0.46

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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	896	896	896	896	896	896	896	896	896	896	896	896	896	896	896				
5	891	891	892	892	892	892	892	892	892	893	893	893	893	893	893				
10	882	883	883	884	885	886	887	888	889	890	892	893	894	895	895				
15	880	886	891	894	898	900	902	903	903	903	902	902	902	902	902				
20	813	841	875	903	925	943	954	955	947	935	922	910	901	895	891				
25	621	667	723	789	857	927	990	1010	1006	983	948	917	892	877	868				
30	367	421	490	576	675	782	881	963	1023	1020	985	931	884	849	833				
35	266	290	321	359	411	542	678	808	910	977	981	925	846	783	749				
40	197	221	251	289	333	384	439	570	714	814	863	845	764	673	616				
45	126	146	173	207	250	298	349	399	449	579	650	661	614	530	458				
50	50.9	65.4	86.8	116	154	198	244	286	315	327	387	413	397	355	307				
55	31.2	32.2	33.6	35.4	47.5	87.2	131	168	189	189	172	188	195	189	174				
60	25.3	26.2	27.5	28.9	30.2	31.7	34.0	63.2	88.0	91.4	83.8	76.5	77.7	55.5	36.5				
65	19.4	20.2	21.1	22.1	23.0	24.3	26.1	27.8	28.7	38.6	41.7	39.3	32.9	27.0	26.7				
70	13.4	14.0	14.5	15.1	15.7	16.5	18.0	19.5	20.6	20.5	20.4	20.3	17.4	15.6	15.4				
75	9.92	10.1	10.1	9.92	9.60	9.10	9.89	11.8	13.4	13.7	13.4	12.8	10.9	9.87	9.66				
80	6.78	6.90	6.85	6.75	6.49	6.20	6.41	7.18	7.96	8.02	8.58	8.13	6.67	5.87	5.22				
85	3.63	3.69	3.66	3.61	3.47	3.34	3.48	3.91	4.23	4.20	4.63	4.19	3.61	3.39	2.20				
90	0.47	0.47	0.48	0.49	0.49	0.50	0.50	0.51	0.52	0.53	0.51	0.49	0.51	0.53	0.53				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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: