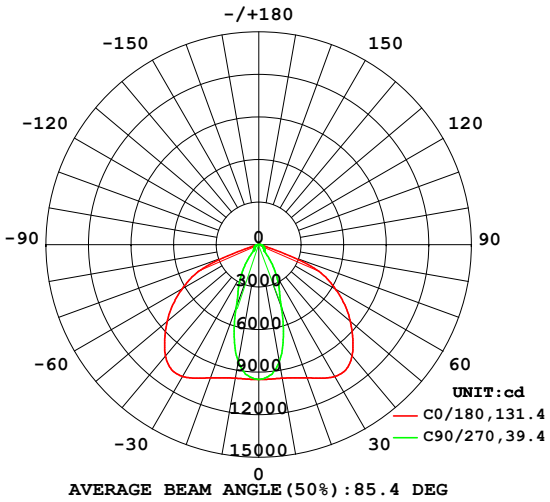
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.5312A P:118.6W PF:0.9705 Lamp Flux:14499.8x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 40130DEG L02804	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

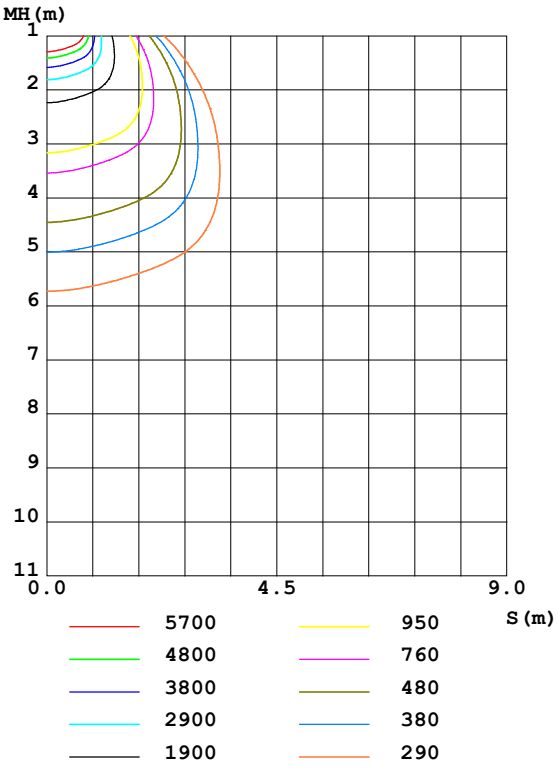
DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.26 lm/W			
MODEL	LHB01-120	Imax(cd)	10799	S/MH(C0/180)	1.64
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	14500	η UP,DN(C0-180)	0.0,49.8
NOMINAL FLUX(lm)	14499.8	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.2
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):85.4 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



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

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	951.6	936.3	925.4	936.3	951.6	937.7	925.4	937.7	0- 5	225.6	225.6	1.56,1.56
10	956.5	895.4	837.6	895.4	956.5	900.7	837.6	900.7	5- 10	656.8	882.4	6.09,6.09
15	971.8	817.0	672.8	817.0	971.8	826.2	672.8	826.2	10- 15	1020	1903	13.1,13.1
20	1000.0	700.1	462.3	700.1	1000.0	707.0	462.3	707.0	15- 20	1268	3171	21.9,21.9
25	1039	554.6	343.3	554.6	1039	553.6	343.3	553.6	20- 25	1400	4572	31.5,31.5
30	1074	421.4	249.0	421.4	1074	414.5	249.0	414.5	25- 30	1485	6057	41.8,41.8
35	1074	345.5	154.7	345.5	1074	339.4	154.7	339.4	30- 35	1502	7559	52.1,52.1
40	1025	261.0	60.45	261.0	1025	256.6	60.45	256.6	35- 40	1416	8975	61.9,61.9
45	938.3	167.1	52.01	167.1	938.3	164.3	52.01	164.3	40- 45	1251	10226	70.5,70.5
50	843.6	67.86	46.93	67.86	843.6	65.02	46.93	65.02	45- 50	1091	11317	78.1,78.1
55	740.9	51.10	42.27	51.10	740.9	49.07	42.27	49.07	50- 55	941.6	12259	84.5,84.5
60	624.0	42.88	37.62	42.88	624.0	41.24	37.62	41.24	55- 60	789.4	13048	90,90
65	496.8	34.38	32.78	34.38	496.8	33.22	32.78	33.22	60- 65	634.5	13683	94.4,94.4
70	234.7	24.49	26.51	24.49	234.7	24.04	26.51	24.04	65- 70	452.4	14135	97.5,97.5
75	31.83	17.10	20.05	17.10	31.83	17.01	20.05	17.01	70- 75	206.8	14342	98.9,98.9
80	9.572	11.60	13.60	11.60	9.572	11.60	13.60	11.60	75- 80	90.37	14433	99.5,99.5
85	2.203	6.126	7.144	6.126	2.203	6.211	7.144	6.211	80- 85	48.70	14481	99.9,99.9
90	0.7078	0.6657	0.6900	0.6657	0.7078	0.8364	0.6900	0.8364	85- 90	18.60	14500	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): 10226 lm

%lum = 70.5%
%lamp = 70.5%

Conical surface Flux(120deg): 13048 lm

%lum = 90.0%
%lamp = 90.0%

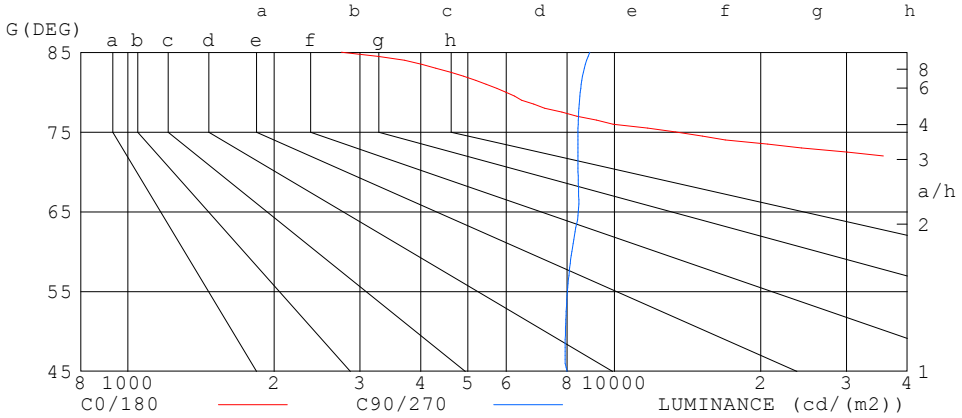
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-22

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



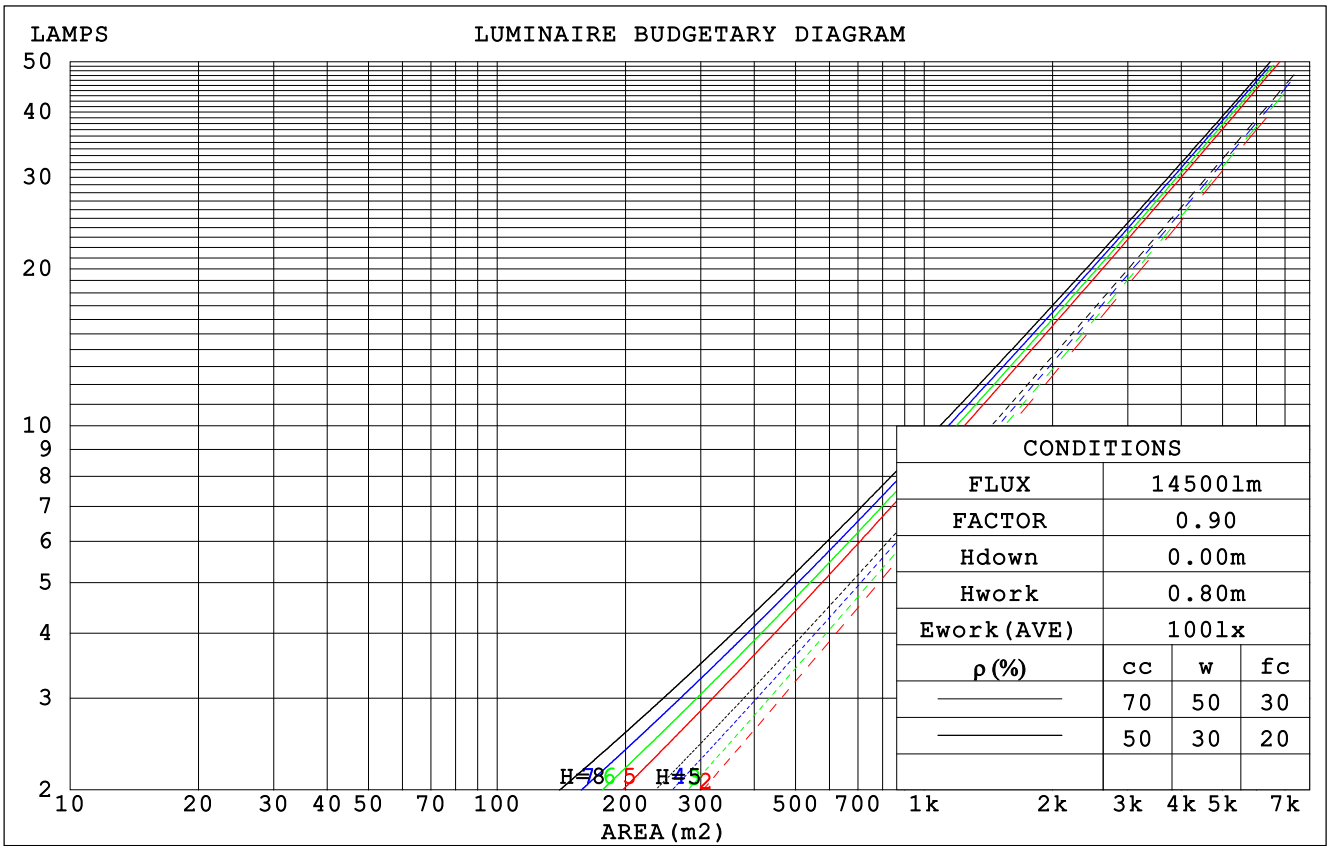
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2747	8909
80	5992	8511
75	13369	8421
70	74603	8424
65	127777	8431
60	135647	8178
55	140399	8011
50	142656	7936
45	144233	7995

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:

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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.91	.89
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.80	.78
3.0	.87	.80	.74	.85	.79	.74	.82	.77	.73	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.73	.67	.63	.70	.66	.62	.60
5.0	.71	.64	.58	.70	.63	.58	.68	.62	.57	.66	.61	.56	.65	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.52	.63	.56	.51	.61	.55	.51	.60	.54	.50	.49
7.0	.60	.52	.47	.59	.52	.47	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.43	.55	.47	.42	.53	.47	.42	.52	.46	.42	.51	.46	.42	.40
9.0	.51	.44	.39	.51	.44	.39	.50	.43	.39	.49	.43	.39	.48	.42	.38	.37
10.0	.48	.41	.36	.47	.41	.36	.46	.40	.36	.46	.40	.36	.45	.39	.35	.34



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	.244	.139	.044	.237	.135	.043	.224	.128	.041	.212	.122	.039	.201	.116	.038	
2.0	.236	.129	.040	.230	.127	.039	.219	.122	.038	.208	.117	.037	.199	.112	.035	
3.0	.223	.119	.036	.218	.117	.035	.208	.113	.034	.199	.109	.034	.191	.106	.033	
4.0	.210	.109	.032	.206	.108	.032	.197	.104	.031	.189	.102	.031	.182	.099	.030	
5.0	.197	.101	.029	.193	.099	.029	.186	.097	.028	.179	.094	.028	.172	.092	.028	
6.0	.186	.093	.027	.182	.092	.026	.175	.090	.026	.169	.088	.026	.163	.086	.025	
7.0	.175	.086	.024	.171	.085	.024	.165	.084	.024	.160	.082	.024	.154	.080	.024	
8.0	.165	.080	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	.147	.075	.022	
9.0	.156	.075	.021	.153	.075	.021	.148	.073	.021	.144	.072	.021	.139	.071	.020	
10.0	.147	.071	.020	.145	.070	.020	.141	.069	.019	.137	.068	.019	.133	.067	.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	.176	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.091	.097	.079	.063	.056	.046	.037	.018	.015	.012	
3.0	.156	.114	.081	.133	.098	.070	.092	.068	.049	.053	.040	.029	.017	.013	.009	
4.0	.147	.100	.064	.126	.087	.056	.087	.060	.039	.050	.035	.023	.016	.011	.008	
5.0	.140	.089	.052	.120	.077	.045	.083	.054	.032	.048	.032	.019	.015	.010	.006	
6.0	.133	.081	.043	.114	.070	.038	.079	.049	.027	.046	.029	.016	.015	.009	.005	
7.0	.126	.073	.037	.109	.064	.032	.075	.045	.023	.044	.026	.013	.014	.009	.004	
8.0	.120	.068	.031	.104	.059	.027	.072	.041	.019	.042	.024	.012	.013	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.068	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.094	.051	.021	.066	.036	.015	.038	.021	.009	.012	.007	.003	

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

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	30.3	31.6	30.5	31.7	31.9	16.0	17.3	16.2	17.5	17.7
	3H	31.6	32.8	31.9	33.0	33.2	17.1	18.3	17.3	18.5	18.7
	4H	31.5	32.7	31.8	32.9	33.2	17.6	18.8	17.9	19.0	19.2
	6H	31.5	32.5	31.8	32.8	33.0	18.2	19.2	18.5	19.5	19.7
	8H	31.4	32.4	31.7	32.7	33.0	18.4	19.4	18.7	19.7	19.9
	12H	31.4	32.3	31.7	32.6	32.9	18.5	19.5	18.9	19.8	20.1
4H	2H	30.0	31.1	30.3	31.3	31.6	17.4	18.5	17.7	18.7	19.0
	3H	31.3	32.3	31.6	32.6	32.9	18.3	19.3	18.6	19.6	19.9
	4H	31.3	32.2	31.7	32.5	32.8	18.9	19.8	19.3	20.1	20.4
	6H	31.2	32.0	31.6	32.4	32.7	19.5	20.2	19.9	20.6	20.9
	8H	31.2	31.9	31.6	32.3	32.6	19.7	20.4	20.1	20.8	21.2
	12H	31.1	31.8	31.6	32.2	32.6	19.9	20.6	20.3	21.0	21.4
8H	4H	31.2	31.9	31.6	32.3	32.6	19.2	19.9	19.6	20.3	20.7
	6H	31.1	31.7	31.5	32.1	32.5	19.9	20.5	20.3	20.9	21.3
	8H	31.1	31.6	31.5	32.0	32.5	20.2	20.7	20.7	21.2	21.6
	12H	31.0	31.5	31.5	31.9	32.4	20.5	21.0	21.0	21.4	21.9
12H	4H	31.1	31.8	31.5	32.2	32.6	19.2	19.9	19.6	20.3	20.6
	6H	31.1	31.6	31.5	32.0	32.5	19.9	20.5	20.4	20.9	21.3
	8H	31.0	31.5	31.5	31.9	32.4	20.3	20.8	20.8	21.2	21.7
Variations with the observer position at spacings:											
S = 1.0H		+ 0.9 / - 1.0					+ 0.7 / - 0.9				
1.5H		+ 2.3 / - 4.3					+ 1.2 / - 0.7				
2.0H		+ 3.6 / - 8.9					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 14500 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.3)

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:

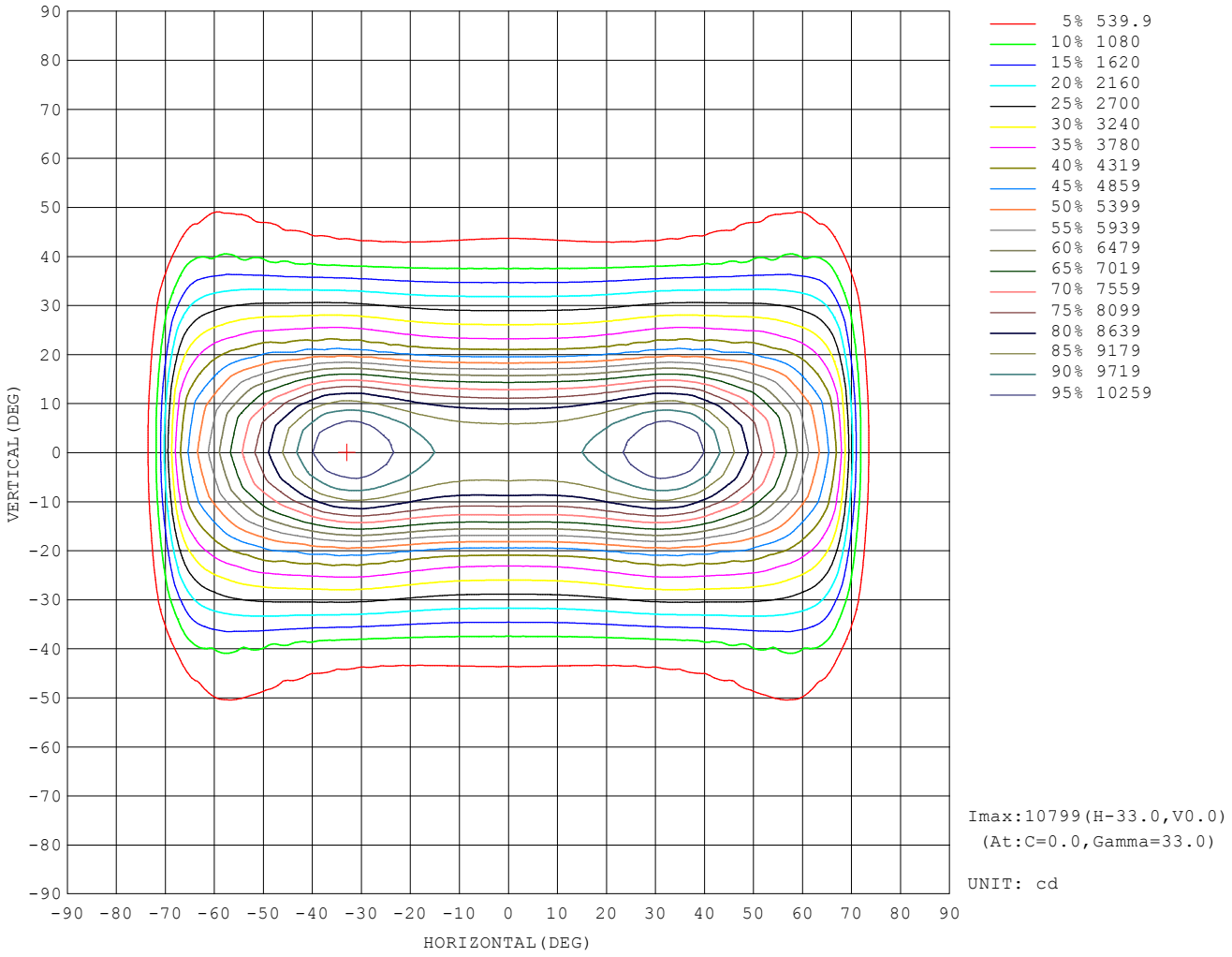
UTILIZATION FACTORS TABLE

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	68	58	52	67	58	52	66	57	52	46
0.80	77	68	62	76	67	62	75	67	61	55
1.00	85	76	70	84	75	70	82	76	69	63
1.25	91	83	77	90	82	77	87	81	76	70
1.50	95	88	82	94	87	82	91	85	81	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	97	92	99	94	90	83
3.00	107	101	97	105	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	90
5.00	112	108	105	109	106	103	105	102	100	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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:

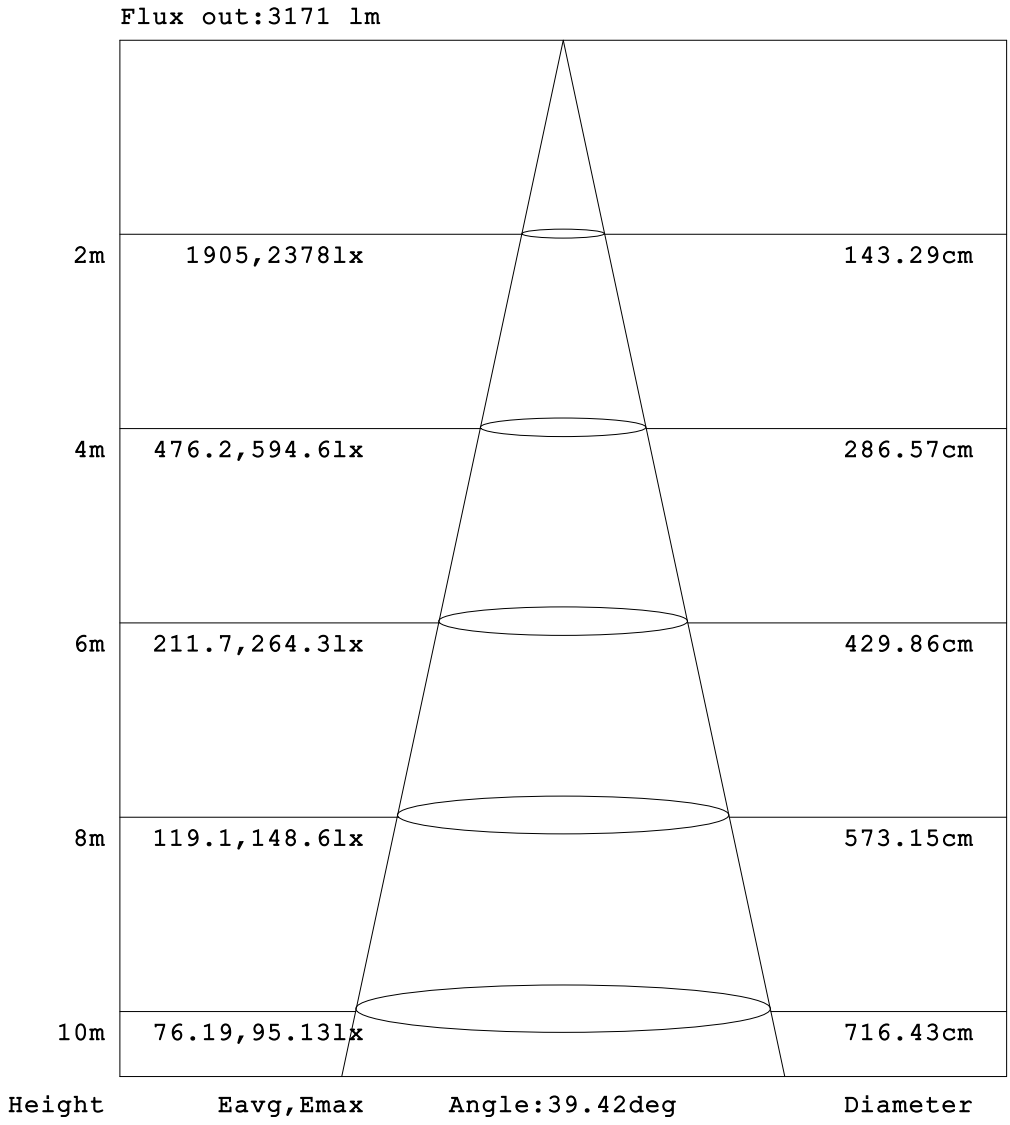
ISOCANDELA DIAGRAM



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:

AAI Figure

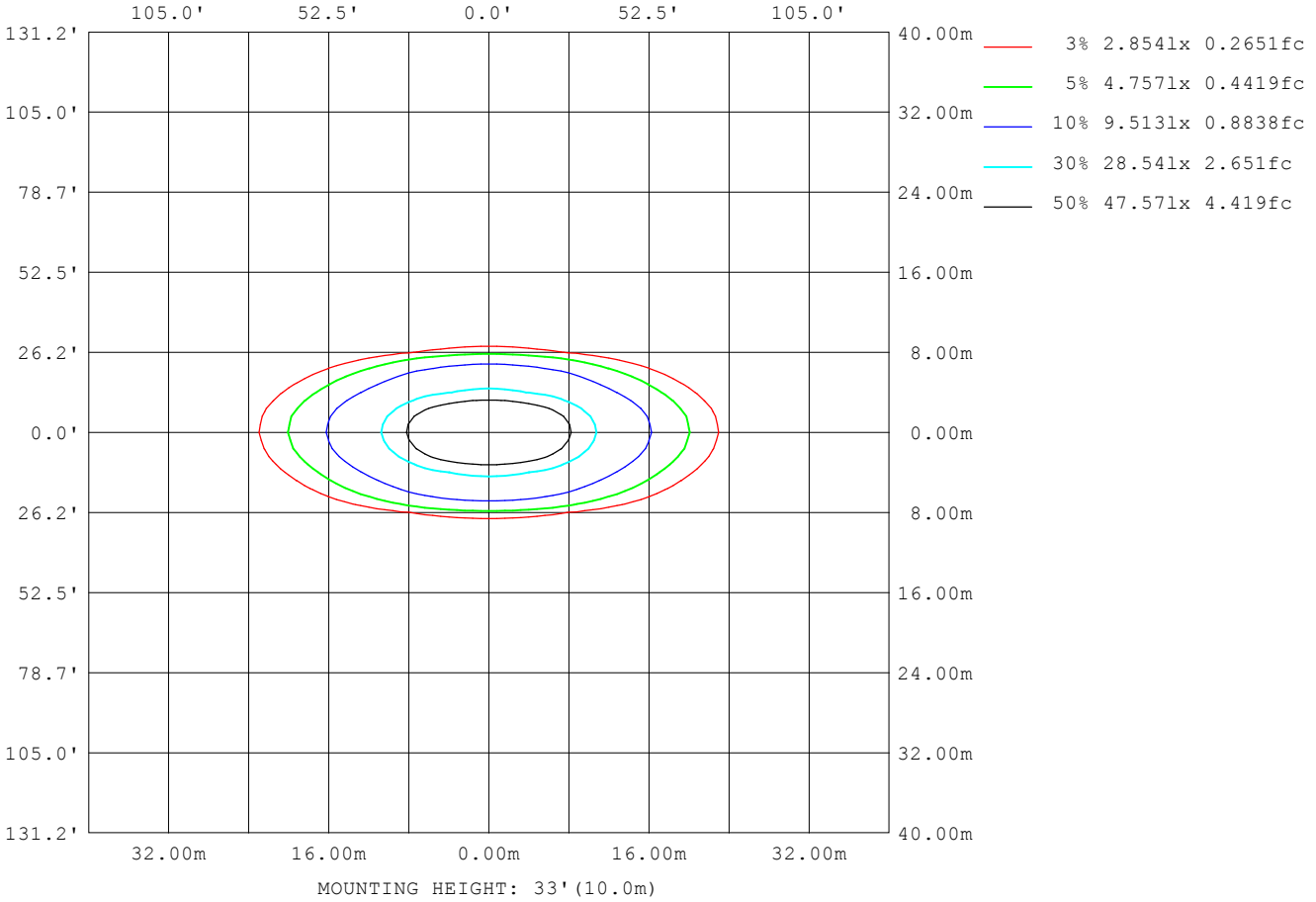


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:

ISOLUX DIAGRAM



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:

LED Avg.L Report

Test:U:230.0V I:0.5312A P:118.6W PF:0.9705 Lamp Flux:14499.8x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 40130DEG L02804	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

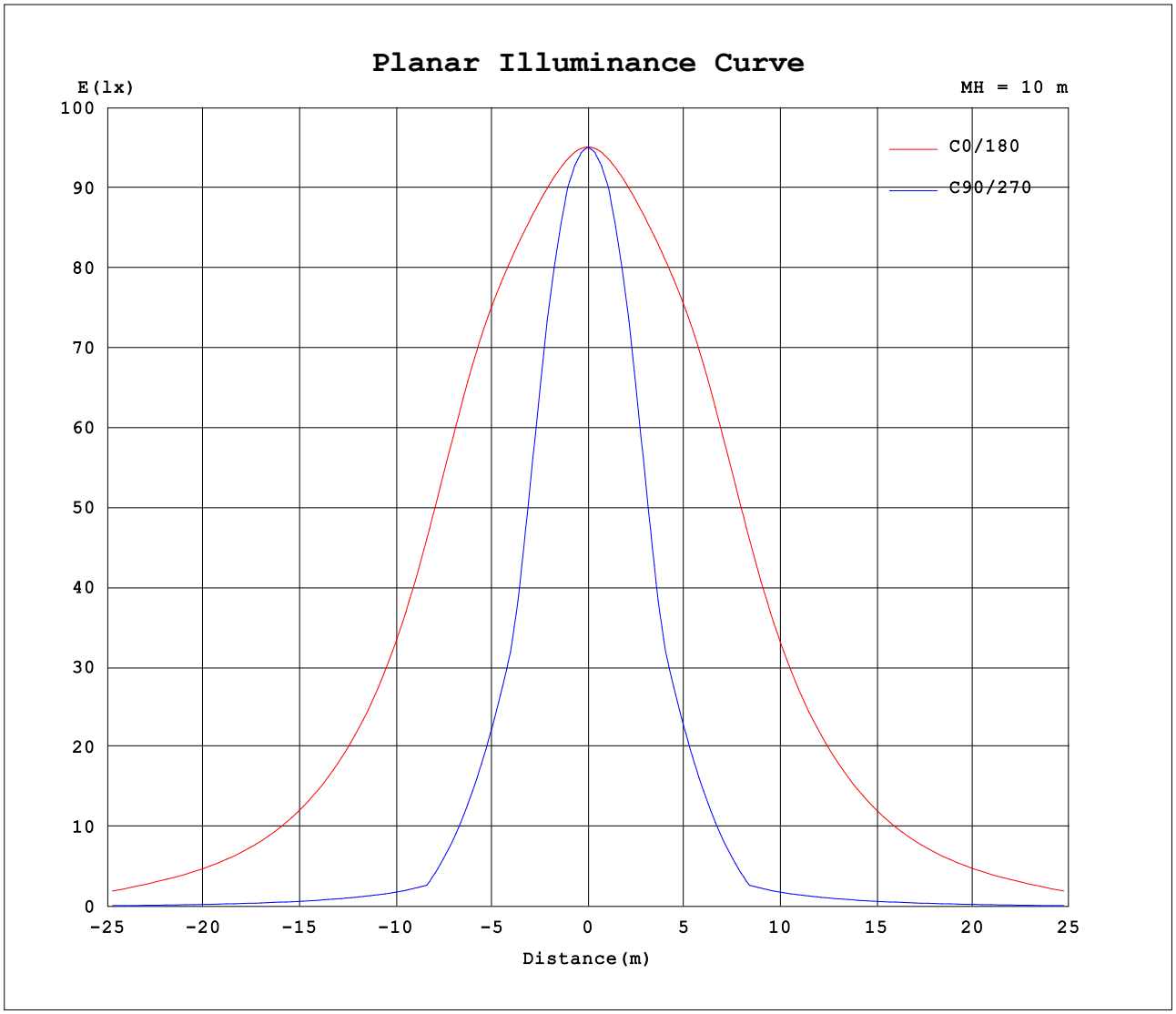
AvgL	cd/m2
L_0~180(65)av	127777
L_0~180(75)av	13369
L_0~180(85)av	2747
L_90~270(65)av	8431
L_90~270(75)av	8421
L_90~270(85)av	8909
L_45(65)av	8693
L_45(75)av	7163
L_45(85)av	7693

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	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951
5	952	950	949	948	947	945	943	940	938	936	935	933	931	929	928	927	926	925	925
10	957	954	951	946	940	933	925	918	907	895	885	875	864	856	849	844	840	838	838
15	972	967	959	949	935	917	894	868	843	817	792	767	743	722	704	690	680	674	673
20	1000	992	978	958	926	888	846	801	750	700	653	610	572	539	511	490	475	465	462
25	1039	1027	1002	963	908	846	774	698	625	555	490	443	407	387	371	358	350	345	343
30	1074	1054	1017	951	870	774	673	573	483	421	383	350	322	298	280	266	257	251	249
35	1074	1046	988	899	788	666	544	450	395	346	302	265	234	208	188	173	163	157	155
40	1025	988	911	801	667	530	434	372	314	261	214	174	141	115	94.5	79.3	68.8	62.6	60.4
45	938	897	806	678	535	424	352	284	223	167	118	77.5	60.2	56.7	54.4	53.0	52.5	52.2	52.0
50	844	800	700	562	430	344	264	191	125	67.9	58.2	51.9	48.9	47.8	47.3	47.1	47.0	47.0	46.9
55	741	693	587	450	349	258	172	93.1	63.0	51.1	46.5	44.2	42.8	42.2	42.0	42.0	42.1	42.3	42.3
60	624	575	469	354	259	165	86.0	59.0	48.5	42.9	39.3	37.3	36.4	36.2	36.5	36.9	37.3	37.5	37.6
65	497	451	354	256	163	88.2	58.9	47.3	39.4	34.4	31.4	30.0	29.7	30.1	30.8	31.6	32.3	32.7	32.8
70	235	211	188	138	76.3	56.9	44.3	34.4	28.1	24.5	22.8	22.6	23.1	23.9	24.8	25.5	26.1	26.4	26.5
75	31.8	32.0	37.0	32.4	36.5	32.7	24.3	18.6	17.4	17.1	16.9	17.0	17.4	18.0	18.7	19.2	19.7	20.0	20.1
80	9.57	9.70	10.9	13.0	13.8	12.1	12.1	12.0	11.8	11.6	11.4	11.5	11.7	12.1	12.6	13.0	13.3	13.5	13.6
85	2.20	3.36	4.77	5.78	6.21	6.36	6.39	6.33	6.24	6.13	6.04	6.04	6.17	6.38	6.63	6.84	7.01	7.11	7.14
90	0.71	1.28	1.21	1.12	1.01	0.91	0.83	0.76	0.70	0.67	0.65	0.65	0.65	0.66	0.67	0.67	0.68	0.68	0.69

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	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951
5	925	926	927	928	929	931	933	935	936	938	940	943	945	947	948	949	950	952	951
10	838	840	844	849	856	864	875	885	895	907	918	925	933	940	946	951	954	957	954
15	674	680	690	704	722	743	767	792	817	843	868	894	917	935	949	959	967	972	968
20	465	475	490	511	539	572	610	653	700	750	801	846	888	926	958	978	992	1000	995
25	345	350	358	371	387	407	443	490	555	625	698	774	846	908	963	1002	1027	1039	1030
30	251	257	266	280	298	322	350	383	421	483	573	673	774	870	951	1017	1054	1074	1062
35	157	163	173	188	208	234	265	302	346	395	450	544	666	788	899	988	1046	1074	1059
40	62.6	68.8	79.3	94.5	115	141	174	214	261	314	372	434	530	667	801	911	988	1025	1008
45	52.2	52.5	53.0	54.4	56.7	60.2	77.5	118	167	223	284	352	424	535	678	806	897	938	917
50	47.0	47.0	47.1	47.3	47.8	48.9	51.9	58.2	67.9	125	191	264	344	430	562	700	800	844	820
55	42.3	42.1	42.0	42.0	42.2	42.8	44.2	46.5	51.1	63.0	93.1	172	258	349	450	587	693	741	713
60	37.5	37.3	36.9	36.5	36.2	36.4	37.3	39.3	42.9	48.5	59.0	86.0	165	259	354	469	575	624	593
65	32.7	32.3	31.6	30.8	30.1	29.7	30.0	31.4	34.4	39.4	47.3	58.9	88.2	163	256	354	451	497	469
70	26.4	26.1	25.5	24.8	23.9	23.1	22.6	22.8	24.5	28.1	34.4	44.3	56.9	76.3	138	188	211	235	229
75	20.0	19.7	19.2	18.7	18.0	17.4	17.0	16.9	17.1	17.4	18.6	24.3	32.7	36.5	32.4	37.0	32.0	31.8	32.8
80	13.5	13.3	13.0	12.6	12.1	11.7	11.5	11.4	11.6	11.8	12.0	12.1	12.1	13.8	13.0	10.9	9.70	9.57	9.74
85	7.11	7.01	6.84	6.63	6.38	6.17	6.04	6.04	6.13	6.24	6.33	6.39	6.36	6.21	5.78	4.77	3.36	2.20	3.35
90	0.68	0.68	0.67	0.67	0.66	0.65	0.65	0.65	0.67	0.70	0.76	0.83	0.91	1.01	1.12	1.21	1.28	0.71	1.22

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

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951
5	950	948	947	946	944	942	940	938	936	934	932	930	928	927	926	926	925	926	926
10	952	948	943	937	930	923	912	901	890	880	869	860	852	846	842	839	838	839	842
15	962	954	941	924	902	877	853	826	801	776	750	728	709	693	682	675	673	675	682
20	982	964	934	897	855	810	758	707	659	615	575	541	513	491	475	466	462	466	475
25	1009	973	919	856	782	703	626	554	487	441	404	385	370	358	350	345	343	345	350
30	1031	968	886	785	677	571	477	414	377	346	319	297	279	266	256	251	249	251	256
35	1012	926	810	678	545	444	388	339	297	261	231	206	187	173	163	157	155	157	163
40	943	835	691	539	435	370	310	257	210	171	139	113	93.4	78.6	68.3	62.4	60.4	62.4	68.3
45	838	706	549	428	354	284	221	164	116	75.3	58.6	55.5	53.6	52.5	52.1	52.0	52.0	52.0	52.1
50	727	579	433	345	263	189	122	65.0	56.2	50.4	47.7	46.9	46.6	46.6	46.7	46.8	46.9	46.8	46.7
55	613	462	352	256	168	88.1	59.7	49.1	45.0	42.9	41.8	41.3	41.3	41.6	41.9	42.1	42.3	42.1	41.9
60	490	364	260	160	79.0	55.1	46.1	41.2	38.1	36.4	35.6	35.6	35.9	36.5	37.0	37.4	37.6	37.4	37.0
65	369	262	160	80.7	54.2	44.2	37.6	33.2	30.6	29.4	29.1	29.6	30.4	31.3	32.0	32.6	32.8	32.6	32.0
70	206	143	73.7	52.8	41.1	32.6	27.2	24.0	22.6	22.3	22.8	23.6	24.4	25.3	25.9	26.3	26.5	26.3	25.9
75	40.0	35.4	37.7	31.8	23.5	18.4	17.4	17.0	16.8	16.8	17.1	17.7	18.4	19.1	19.6	19.9	20.1	19.9	19.6
80	11.2	13.5	14.2	12.3	12.2	12.0	11.8	11.6	11.4	11.4	11.6	12.0	12.5	12.9	13.3	13.5	13.6	13.5	13.3
85	4.72	5.78	6.33	6.53	6.54	6.45	6.33	6.21	6.11	6.09	6.18	6.36	6.60	6.82	6.98	7.10	7.14	7.10	6.98
90	1.17	1.09	1.08	1.05	0.99	0.93	0.87	0.84	0.81	0.79	0.77	0.75	0.74	0.72	0.71	0.70	0.69	0.70	0.71

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	951	951	951	951	951	951	951	951	951	951	951	951	951	951	951				
5	927	928	930	932	934	936	938	940	942	944	946	947	948	950	951				
10	846	852	860	869	880	890	901	912	923	930	937	943	948	952	954				
15	693	709	728	750	776	801	826	853	877	902	924	941	954	962	968				
20	491	513	541	575	615	659	707	758	810	855	897	934	964	982	995				
25	358	370	385	404	441	487	554	626	703	782	856	919	973	1009	1030				
30	266	279	297	319	346	377	414	477	571	677	785	886	968	1031	1062				
35	173	187	206	231	261	297	339	388	444	545	678	810	926	1012	1059				
40	78.6	93.4	113	139	171	210	257	310	370	435	539	691	835	943	1008				
45	52.5	53.6	55.5	58.6	75.3	116	164	221	284	354	428	549	706	838	917				
50	46.6	46.6	46.9	47.7	50.4	56.2	65.0	122	189	263	345	433	579	727	820				
55	41.6	41.3	41.3	41.8	42.9	45.0	49.1	59.7	88.1	168	256	352	462	613	713				
60	36.5	35.9	35.6	35.6	36.4	38.1	41.2	46.1	55.1	79.0	160	260	364	490	593				
65	31.3	30.4	29.6	29.1	29.4	30.6	33.2	37.6	44.2	54.2	80.7	160	262	369	469				
70	25.3	24.4	23.6	22.8	22.3	22.6	24.0	27.2	32.6	41.1	52.8	73.7	143	206	229				
75	19.1	18.4	17.7	17.1	16.8	16.8	17.0	17.4	18.4	23.5	31.8	37.7	35.4	40.0	32.8				
80	12.9	12.5	12.0	11.6	11.4	11.4	11.6	11.8	12.0	12.2	12.3	14.2	13.5	11.2	9.74				
85	6.82	6.60	6.36	6.18	6.09	6.11	6.21	6.33	6.45	6.54	6.53	6.33	5.78	4.72	3.35				
90	0.72	0.74	0.75	0.77	0.79	0.81	0.84	0.87	0.93	0.99	1.05	1.08	1.09	1.17	1.22				

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: