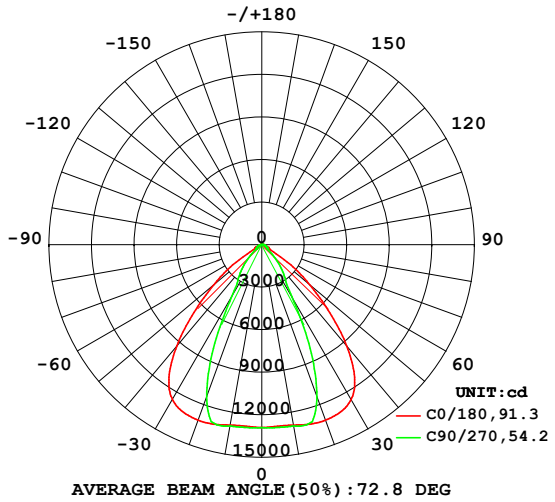
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.8054A P:179.0W PF:0.9664 Lamp Flux:22368.7x1 lm		
NAME: LHB01-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.718*0.275*0.102	SERIAL No.:
MFR.:	SUR.:0.255*0.69	Shielding Angle:

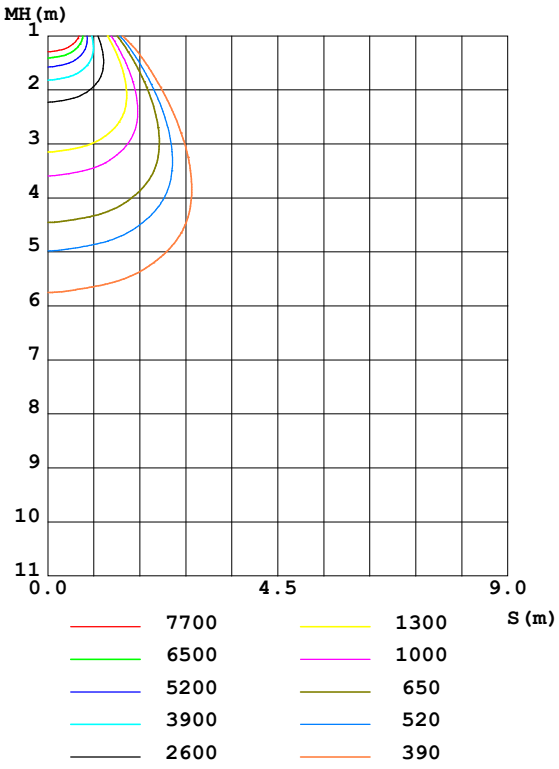
DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.99 lm/W			
MODEL	LHB01-180	Imax(cd)	15811	S/MH(C0/180)	1.30
NOMINAL POWER(W)	180	LOR(%)	100.0	S/MH(C90/270)	0.79
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	22369	η UP,DN(C0-180)	0.0,50.0
NOMINAL FLUX(lm)	22368.7	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.0
LAMPS INSIDE	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%):72.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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	1285	1292	1294	1292	1285	1292	1294	1292	0- 5	308.6	308.6	1.38,1.38
10	1292	1306	1298	1306	1292	1306	1298	1306	5- 10	927.3	1236	5.53,5.53
15	1311	1351	1304	1351	1311	1351	1304	1351	10- 15	1565	2800	12.5,12.5
20	1317	1440	1140	1440	1317	1440	1140	1440	15- 20	2208	5008	22.4,22.4
25	1306	1452	808.0	1452	1306	1452	808.0	1452	20- 25	2714	7723	34.5,34.5
30	1261	1293	424.1	1293	1261	1293	424.1	1293	25- 30	2947	10670	47.7,47.7
35	1142	984.0	287.1	984.0	1142	984.0	287.1	984.0	30- 35	2881	13551	60.6,60.6
40	933.2	604.8	210.3	604.8	933.2	604.8	210.3	604.8	35- 40	2666	16217	72.5,72.5
45	678.9	451.3	133.5	451.3	678.9	451.3	133.5	451.3	40- 45	2258	18475	82.6,82.6
50	446.7	322.6	56.76	322.6	446.7	322.6	56.76	322.6	45- 50	1661	20136	90,90
55	250.6	179.0	48.19	179.0	250.6	179.0	48.19	179.0	50- 55	1002	21138	94.5,94.5
60	56.46	53.87	39.61	53.87	56.46	53.87	39.61	53.87	55- 60	503.7	21641	96.7,96.7
65	51.15	42.21	31.03	42.21	51.15	42.21	31.03	42.21	60- 65	269.9	21911	98,98
70	28.95	29.98	22.46	29.98	28.95	29.98	22.46	29.98	65- 70	180.9	22092	98.8,98.8
75	18.39	17.78	17.04	17.78	18.39	17.78	17.04	17.78	70- 75	123.0	22215	99.3,99.3
80	9.949	11.66	11.62	11.66	9.949	11.66	11.62	11.66	75- 80	83.17	22298	99.7,99.7
85	3.732	6.258	6.197	6.258	3.732	6.258	6.197	6.258	80- 85	51.00	22349	99.9,99.9
90	0.3133	0.7929	0.7761	0.7929	0.3133	0.7929	0.7761	0.7929	85- 90	19.29	22369	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): 18475 lm

%lum = 82.6%
%lamp = 82.6%

Conical surface Flux(120deg): 21641 lm

%lum = 96.7%
%lamp = 96.7%

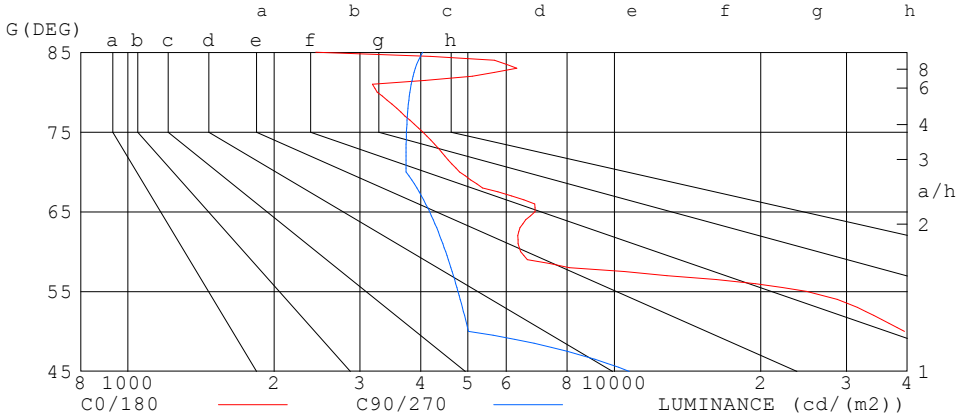
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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



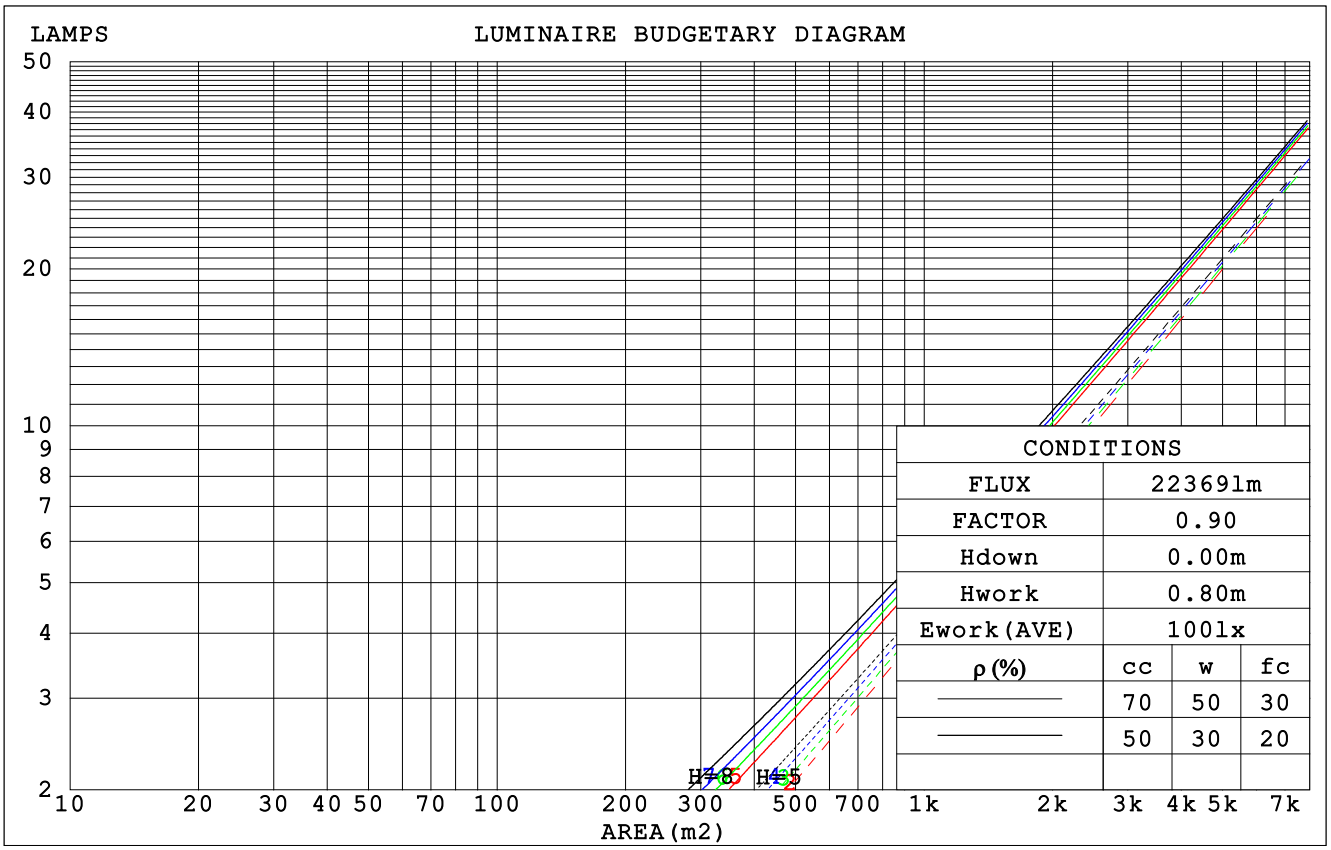
LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2433	4040
80	3255	3801
75	4036	3740
70	4809	3731
65	6877	4172
60	6416	4501
55	24823	4773
50	39482	5018
45	54550	10731

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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	.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	.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	.55	.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:2017-03-24

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	.217	.123	.039	.210	.120	.038	.197	.113	.036	.185	.107	.034	.175	.101	.033	
2.0	.210	.115	.035	.204	.113	.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	.186	.098	.029	.178	.094	.028	.170	.091	.028	.163	.089	.027	
5.0	.181	.092	.027	.177	.091	.027	.170	.088	.026	.163	.086	.026	.157	.084	.025	
6.0	.172	.086	.025	.169	.085	.025	.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	.130	.098	.073	.089	.068	.051	.051	.040	.030	.017	.013	.010	
4.0	.142	.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	.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	.107	.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:2017-03-24

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	25.1	26.3	25.3	26.5	26.6	17.2	18.4	17.5	18.6	18.8
	3H	25.0	26.1	25.2	26.3	26.5	17.3	18.4	17.6	18.6	18.9
	4H	24.9	25.9	25.2	26.2	26.4	17.4	18.5	17.7	18.7	18.9
	6H	24.8	25.8	25.1	26.0	26.3	17.5	18.5	17.8	18.7	19.0
	8H	24.8	25.7	25.1	26.0	26.2	17.5	18.5	17.9	18.7	19.0
	12H	24.7	25.6	25.1	25.9	26.2	17.6	18.4	17.9	18.7	19.0
4H	2H	24.8	25.9	25.1	26.1	26.3	17.7	18.7	17.9	18.9	19.1
	3H	24.8	25.6	25.1	25.9	26.2	17.9	18.8	18.2	19.0	19.3
	4H	24.7	25.5	25.1	25.8	26.1	18.0	18.8	18.4	19.1	19.4
	6H	24.6	25.3	25.0	25.7	26.0	18.2	18.9	18.6	19.2	19.6
	8H	24.6	25.3	25.0	25.6	26.0	18.3	18.9	18.7	19.3	19.6
	12H	24.6	25.2	25.0	25.5	25.9	18.3	18.9	18.7	19.3	19.7
8H	4H	24.6	25.2	25.0	25.6	26.0	18.1	18.7	18.5	19.1	19.4
	6H	24.6	25.1	25.0	25.5	25.9	18.3	18.9	18.8	19.2	19.7
	8H	24.5	25.0	25.0	25.4	25.9	18.5	18.9	18.9	19.3	19.8
	12H	24.5	24.9	25.0	25.4	25.8	18.6	19.0	19.1	19.4	19.9
12H	4H	24.5	25.1	25.0	25.5	25.9	18.0	18.6	18.5	19.0	19.4
	6H	24.5	25.0	25.0	25.4	25.8	18.3	18.8	18.8	19.2	19.7
	8H	24.5	24.9	25.0	25.3	25.8	18.5	18.9	19.0	19.3	19.8
Variations with the observer position at spacings:											
S = 1.0H		+ 2.3 / - 4.5					+ 1.6 / - 2.7				
1.5H		+ 2.3 / - 3.6					+ 3.2 / - 3.3				
2.0H		+ 5.2 / - 7.8					+ 3.4 / - 1.6				

CIE Pub.117 Corrected 22369 lm Total Lamp Luminous Flux.(8log(F/F0) = 10.8)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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:

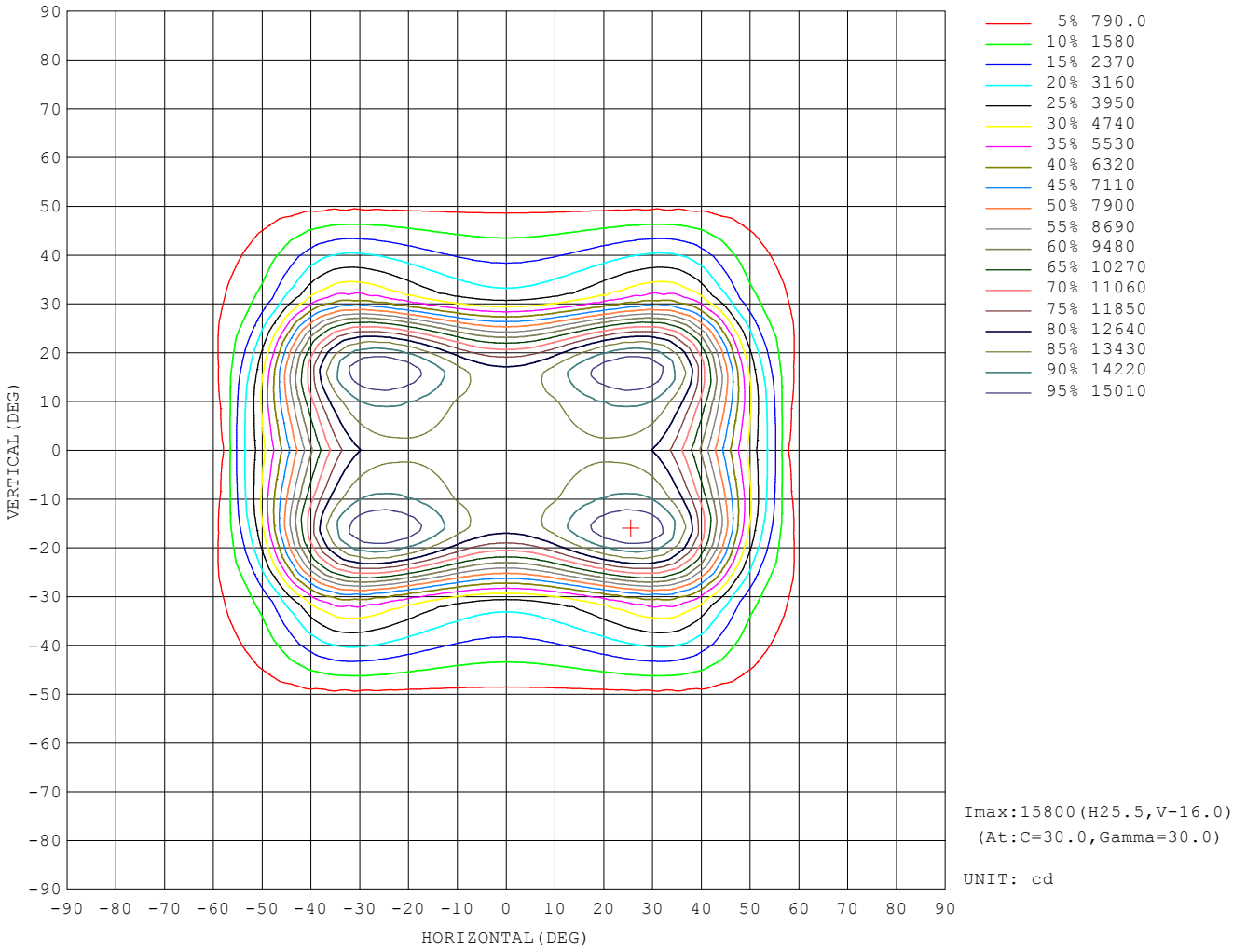
UTILIZATION FACTORS TABLE

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	74	65	60	73	65	60	72	65	60	55
0.80	83	75	70	83	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	104	109	106	103	105	103	100	93
5.00	113	110	107	110	108	105	106	104	102	94
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:2017-03-24

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:

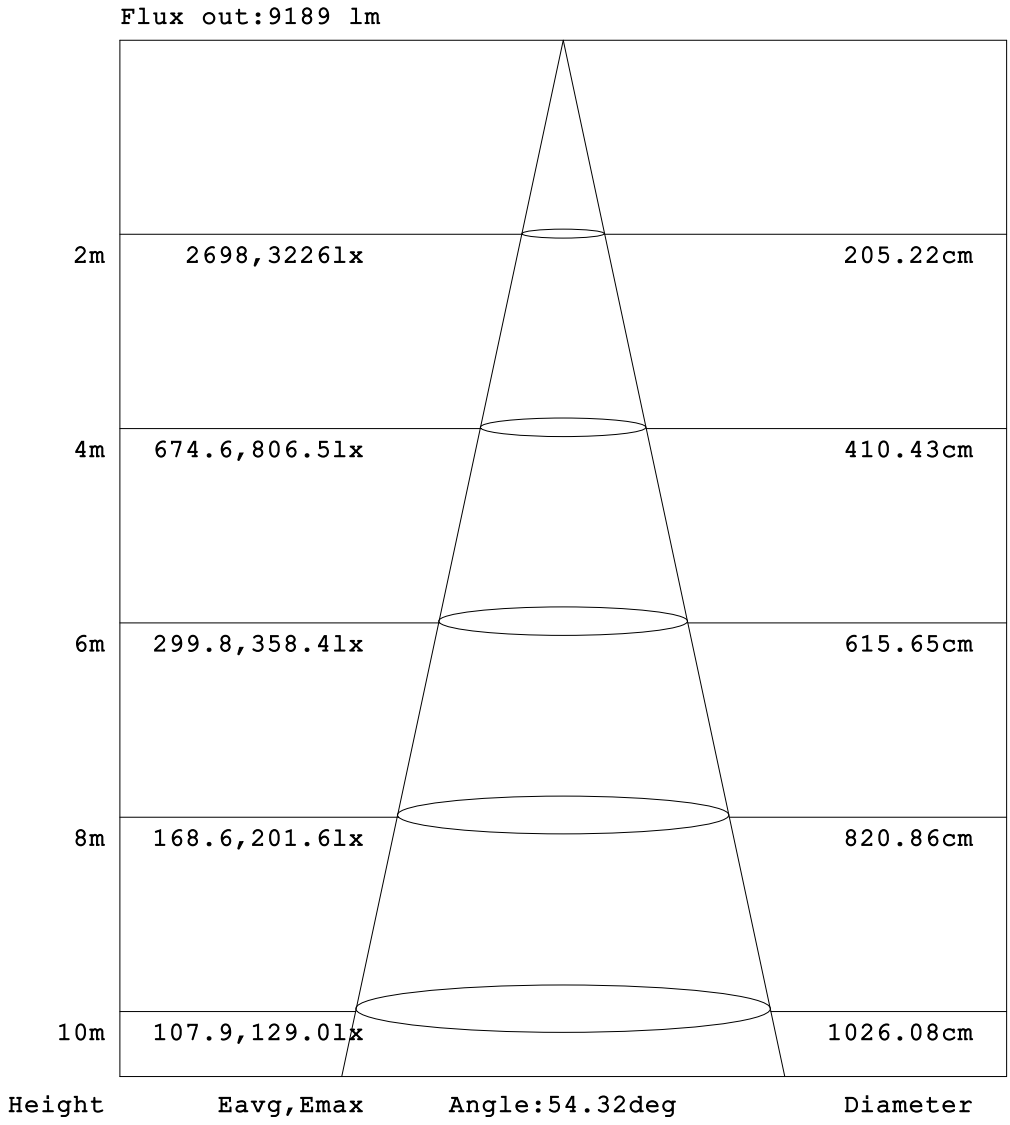
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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

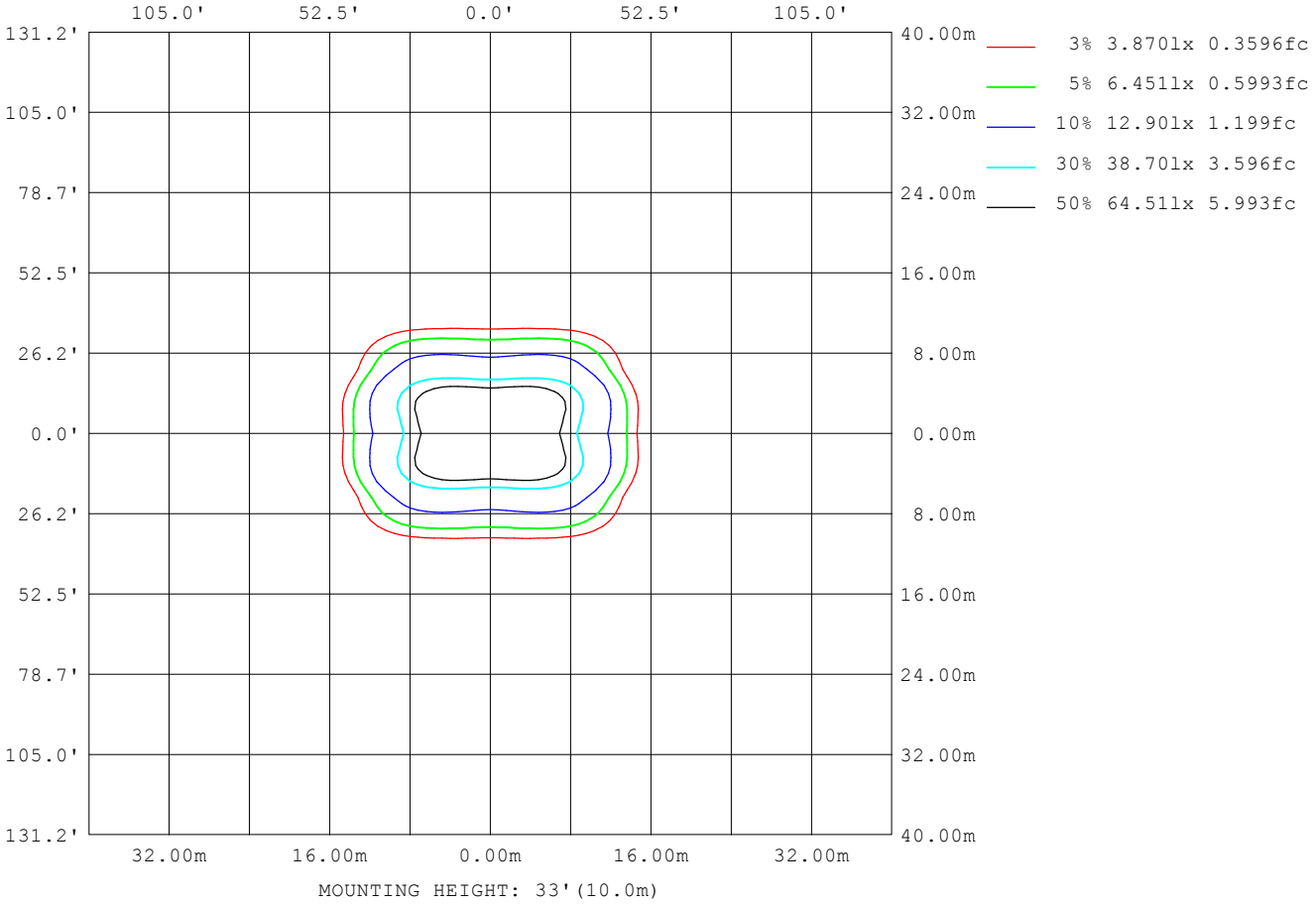


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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:2017-03-24

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:229.9V I:0.8054A P:179.0W PF:0.9664 Lamp Flux:22368.7x1 lm		
NAME: LHB01-180	TYPE:180W	WEIGHT:
SPEC.:4000K Ra80 6090DEG L02802	DIM.: 0.718*0.275*0.102	SERIAL No.:
MFR.:	SUR.:0.255*0.69	Shielding Angle:

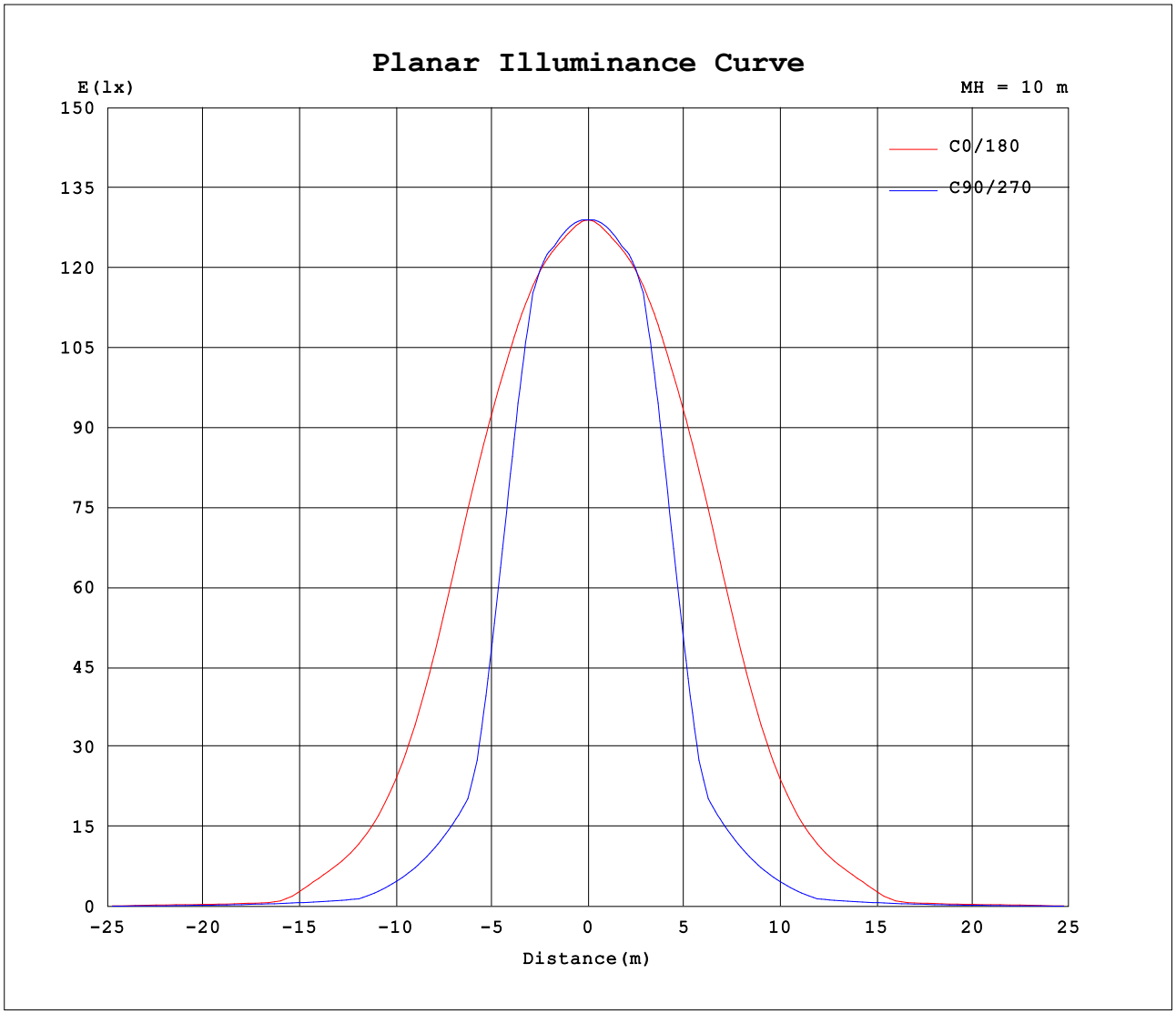
AvgL	cd/m2
L_0~180(65)av	6877
L_0~180(75)av	4036
L_0~180(85)av	2433
L_90~270(65)av	4172
L_90~270(75)av	3740
L_90~270(85)av	4040
L_45(65)av	5675
L_45(75)av	3903
L_45(85)av	4079

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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:2017-03-24

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	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290
5	1285	1286	1287	1288	1289	1289	1290	1291	1291	1292	1292	1293	1293	1293	1294	1294	1294	1294	1294
10	1292	1296	1299	1302	1305	1306	1307	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1299	1298
15	1311	1320	1329	1337	1343	1348	1350	1350	1349	1351	1352	1348	1341	1333	1324	1316	1309	1306	1304
20	1317	1336	1355	1372	1387	1399	1411	1434	1443	1440	1426	1386	1335	1284	1233	1193	1164	1146	1140
25	1306	1336	1367	1396	1423	1465	1509	1533	1517	1452	1362	1258	1156	1053	967	898	848	818	808
30	1261	1306	1352	1399	1463	1537	1581	1529	1430	1293	1132	972	825	697	594	518	465	434	424
35	1142	1201	1269	1346	1459	1529	1482	1369	1190	984	772	580	465	390	353	324	304	291	287
40	933	1002	1088	1211	1330	1324	1234	1059	829	605	479	412	355	309	272	245	226	214	210
45	679	745	838	956	1007	977	855	653	522	451	380	316	261	218	185	162	146	136	134
50	447	484	549	601	612	560	450	415	379	323	260	202	153	117	91.5	74.2	63.7	58.3	56.8
55	251	260	283	287	272	236	247	249	226	179	122	71.3	56.1	53.5	51.6	50.0	48.7	48.2	48.2
60	56.5	61.4	87.6	118	116	119	126	121	90.7	53.9	50.8	48.5	46.8	44.8	43.1	41.6	40.1	39.6	39.6
65	51.2	49.1	48.3	54.4	62.1	64.4	58.5	45.8	44.4	42.2	39.7	38.2	37.0	35.7	34.5	33.1	31.5	31.0	31.0
70	29.0	28.6	28.4	30.6	34.0	33.3	33.2	33.5	32.0	30.0	28.1	27.4	26.9	26.4	25.8	24.7	22.8	22.4	22.5
75	18.4	18.0	17.7	19.0	21.7	22.3	22.7	22.7	20.6	17.8	16.9	17.9	18.7	19.1	19.1	18.5	17.2	17.0	17.0
80	9.95	9.65	10.2	11.2	13.8	14.6	13.6	14.2	13.0	11.7	11.5	12.0	12.7	12.9	13.0	12.6	11.8	11.6	11.6
85	3.73	4.23	5.04	5.48	6.91	7.86	7.10	7.46	6.99	6.26	6.10	6.36	6.70	6.85	6.88	6.73	6.28	6.17	6.20
90	0.31	0.86	0.93	0.91	0.89	0.86	0.84	0.82	0.80	0.79	0.79	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290
5	1294	1294	1294	1294	1293	1293	1293	1292	1292	1291	1291	1290	1289	1289	1288	1287	1286	1285	1286
10	1299	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1307	1306	1305	1302	1299	1296	1292	1296
15	1306	1309	1316	1324	1333	1341	1348	1352	1351	1349	1350	1350	1348	1343	1337	1329	1320	1311	1320
20	1146	1164	1193	1233	1284	1335	1386	1426	1440	1443	1434	1411	1399	1387	1372	1355	1336	1317	1336
25	818	848	898	967	1053	1156	1258	1362	1452	1517	1533	1509	1465	1423	1396	1367	1336	1306	1336
30	434	465	518	594	697	825	972	1132	1293	1430	1529	1581	1537	1463	1399	1352	1306	1261	1306
35	291	304	324	353	390	465	580	772	984	1190	1369	1482	1529	1459	1346	1269	1201	1142	1201
40	214	226	245	272	309	355	412	479	605	829	1059	1234	1324	1330	1211	1088	1002	933	1002
45	136	146	162	185	218	261	316	380	451	522	653	855	977	1007	956	838	745	679	745
50	58.3	63.7	74.2	91.5	117	153	202	260	323	379	415	450	560	612	601	549	484	447	484
55	48.2	48.7	50.0	51.6	53.5	56.1	71.3	122	179	226	249	247	236	272	287	283	260	251	260
60	39.6	40.1	41.6	43.1	44.8	46.8	48.5	50.8	53.9	90.7	121	126	119	116	118	87.6	61.4	56.5	61.4
65	31.0	31.5	33.1	34.5	35.7	37.0	38.2	39.7	42.2	44.4	45.8	58.5	64.4	62.1	54.4	48.3	49.1	51.2	49.1
70	22.4	22.8	24.7	25.8	26.4	26.9	27.4	28.1	30.0	32.0	33.5	33.2	33.3	34.0	30.6	28.4	28.6	29.0	28.6
75	17.0	17.2	18.5	19.1	19.1	18.7	17.9	16.9	17.8	20.6	22.7	22.7	22.3	21.7	19.0	17.7	18.0	18.4	18.0
80	11.6	11.8	12.6	13.0	12.9	12.7	12.0	11.5	11.7	13.0	14.2	13.6	14.6	13.8	11.2	10.2	9.65	9.95	9.65
85	6.17	6.28	6.73	6.88	6.85	6.70	6.36	6.10	6.26	6.99	7.46	7.10	7.86	6.91	5.48	5.04	4.23	3.73	4.23
90	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.82	0.84	0.86	0.89	0.91	0.93	0.86	0.31	0.86

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290
5	1287	1288	1289	1289	1290	1291	1291	1292	1292	1293	1293	1293	1294	1294	1294	1294	1294	1294	1294
10	1299	1302	1305	1306	1307	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1299	1298	1299	1299
15	1329	1337	1343	1348	1350	1350	1349	1351	1352	1348	1341	1333	1324	1316	1309	1306	1304	1306	1309
20	1355	1372	1387	1399	1411	1434	1443	1440	1426	1386	1335	1284	1233	1193	1164	1146	1140	1146	1164
25	1367	1396	1423	1465	1509	1533	1517	1452	1362	1258	1156	1053	967	898	848	818	808	818	848
30	1352	1399	1463	1537	1581	1529	1430	1293	1132	972	825	697	594	518	465	434	424	434	465
35	1269	1346	1459	1529	1482	1369	1190	984	772	580	465	390	353	324	304	291	287	291	304
40	1088	1211	1330	1324	1234	1059	829	605	479	412	355	309	272	245	226	214	210	214	226
45	838	956	1007	977	855	653	522	451	380	316	261	218	185	162	146	136	134	136	146
50	549	601	612	560	450	415	379	323	260	202	153	117	91.5	74.2	63.7	58.3	56.8	58.3	63.7
55	283	287	272	236	247	249	226	179	122	71.3	56.1	53.5	51.6	50.0	48.7	48.2	48.2	48.2	48.7
60	87.6	118	116	119	126	121	90.7	53.9	50.8	48.5	46.8	44.8	43.1	41.6	40.1	39.6	39.6	39.6	40.1
65	48.3	54.4	62.1	64.4	58.5	45.8	44.4	42.2	39.7	38.2	37.0	35.7	34.5	33.1	31.5	31.0	31.0	31.0	31.5
70	28.4	30.6	34.0	33.3	33.2	33.5	32.0	30.0	28.1	27.4	26.9	26.4	25.8	24.7	22.8	22.4	22.5	22.4	22.8
75	17.7	19.0	21.7	22.3	22.7	22.7	20.6	17.8	16.9	17.9	18.7	19.1	19.1	18.5	17.2	17.0	17.0	17.0	17.2
80	10.2	11.2	13.8	14.6	13.6	14.2	13.0	11.7	11.5	12.0	12.7	12.9	13.0	12.6	11.8	11.6	11.6	11.6	11.8
85	5.04	5.48	6.91	7.86	7.10	7.46	6.99	6.26	6.10	6.36	6.70	6.85	6.88	6.73	6.28	6.17	6.20	6.17	6.28
90	0.93	0.91	0.89	0.86	0.84	0.82	0.80	0.79	0.79	0.79	0.79	0.79	0.79	0.78	0.78	0.78	0.78	0.78	0.78

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290	1290				
5	1294	1294	1293	1293	1293	1292	1292	1291	1291	1290	1289	1289	1288	1287	1286				
10	1300	1301	1302	1303	1304	1305	1306	1307	1308	1307	1306	1305	1302	1299	1296				
15	1316	1324	1333	1341	1348	1352	1351	1349	1350	1350	1348	1343	1337	1329	1320				
20	1193	1233	1284	1335	1386	1426	1440	1443	1434	1411	1399	1387	1372	1355	1336				
25	898	967	1053	1156	1258	1362	1452	1517	1533	1509	1465	1423	1396	1367	1336				
30	518	594	697	825	972	1132	1293	1430	1529	1581	1537	1463	1399	1352	1306				
35	324	353	390	465	580	772	984	1190	1369	1482	1529	1459	1346	1269	1201				
40	245	272	309	355	412	479	605	829	1059	1234	1324	1330	1211	1088	1002				
45	162	185	218	261	316	380	451	522	653	855	977	1007	956	838	745				
50	74.2	91.5	117	153	202	260	323	379	415	450	560	612	601	549	484				
55	50.0	51.6	53.5	56.1	71.3	122	179	226	249	247	236	272	287	283	260				
60	41.6	43.1	44.8	46.8	48.5	50.8	53.9	90.7	121	126	119	116	118	87.6	61.4				
65	33.1	34.5	35.7	37.0	38.2	39.7	42.2	44.4	45.8	58.5	64.4	62.1	54.4	48.3	49.1				
70	24.7	25.8	26.4	26.9	27.4	28.1	30.0	32.0	33.5	33.2	33.3	34.0	30.6	28.4	28.6				
75	18.5	19.1	19.1	18.7	17.9	16.9	17.8	20.6	22.7	22.7	22.3	21.7	19.0	17.7	18.0				
80	12.6	13.0	12.9	12.7	12.0	11.5	11.7	13.0	14.2	13.6	14.6	13.8	11.2	10.2	9.65				
85	6.73	6.88	6.85	6.70	6.36	6.10	6.26	6.99	7.46	7.10	7.86	6.91	5.48	5.04	4.23				
90	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.82	0.84	0.86	0.89	0.91	0.93	0.86				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-03-24

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: