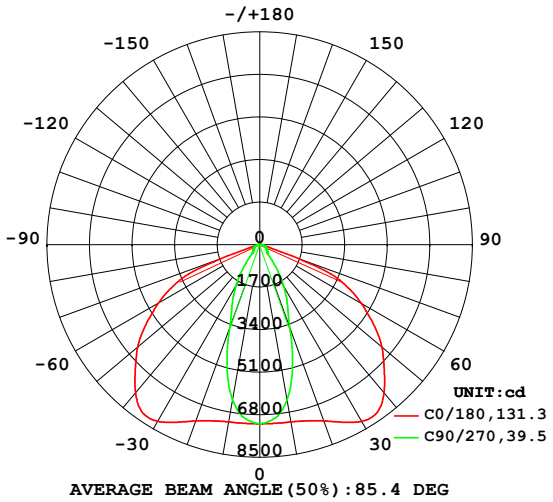
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.4100A P:90.88W PF:0.9635 Lamp Flux:11004x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 40130DEG L02804	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

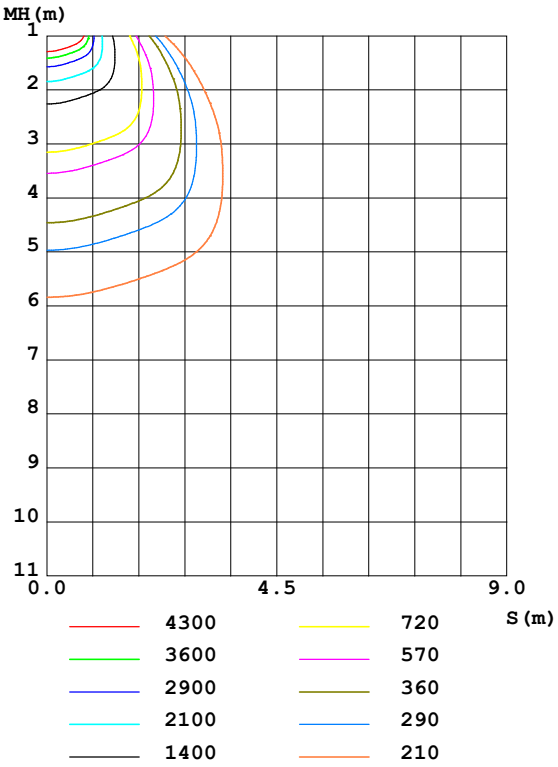
DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.09 lm/W			
MODEL	LHB01-90	Imax(cd)	8226	S/MH(C0/180)	1.65
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	0.65
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	11004	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	11004	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η 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:2017-04-17

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	7167	7052	6963	7052	7167	7059	6963	7059	0- 5	169.8	169.8	1.54,1.54
10	7192	6748	6298	6748	7192	6772	6298	6772	5- 10	494.4	664.2	6.04,6.04
15	7288	6154	5064	6154	7288	6181	5064	6181	10- 15	767.0	1431	13,13
20	7497	5258	3511	5258	7497	5281	3511	5281	15- 20	952.1	2383	21.7,21.7
25	7828	4154	2622	4154	7828	4171	2622	4171	20- 25	1053	3437	31.2,31.2
30	8151	3153	1911	3153	8151	3178	1911	3178	25- 30	1122	4559	41.4,41.4
35	8183	2599	1200	2599	8183	2615	1200	2615	30- 35	1142	5700	51.8,51.8
40	7727	1982	489.7	1982	7727	1993	489.7	1993	35- 40	1079	6779	61.6,61.6
45	7032	1285	409.9	1285	7032	1298	409.9	1298	40- 45	950.8	7730	70.2,70.2
50	6371	534.5	368.8	534.5	6371	552.4	368.8	552.4	45- 50	830.5	8561	77.8,77.8
55	5550	400.1	332.5	400.1	5550	410.5	332.5	410.5	50- 55	719.1	9280	84.3,84.3
60	4681	336.1	296.2	336.1	4681	343.6	296.2	343.6	55- 60	602.1	9882	89.8,89.8
65	3731	269.8	258.5	269.8	3731	274.6	258.5	274.6	60- 65	485.8	10368	94.2,94.2
70	1633	193.2	209.9	193.2	1633	195.0	209.9	195.0	65- 70	349.4	10717	97.4,97.4
75	210.5	136.2	160.0	136.2	210.5	137.1	160.0	137.1	70- 75	158.6	10876	98.8,98.8
80	70.68	94.18	110.0	94.18	70.68	95.02	110.0	95.02	75- 80	71.67	10947	99.5,99.5
85	12.98	52.39	60.06	52.39	12.98	53.15	60.06	53.15	80- 85	39.82	10987	99.8,99.8
90	10.05	10.76	10.10	10.76	10.05	11.38	10.10	11.38	85- 90	16.97	11004	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:cd									UNIT:lm		

Conical surface Flux(90deg): 7730.1 lm

%lum = 70.2%
%lamp = 70.2%

Conical surface Flux(120deg): 9881.8 lm

%lum = 89.8%
%lamp = 89.8%

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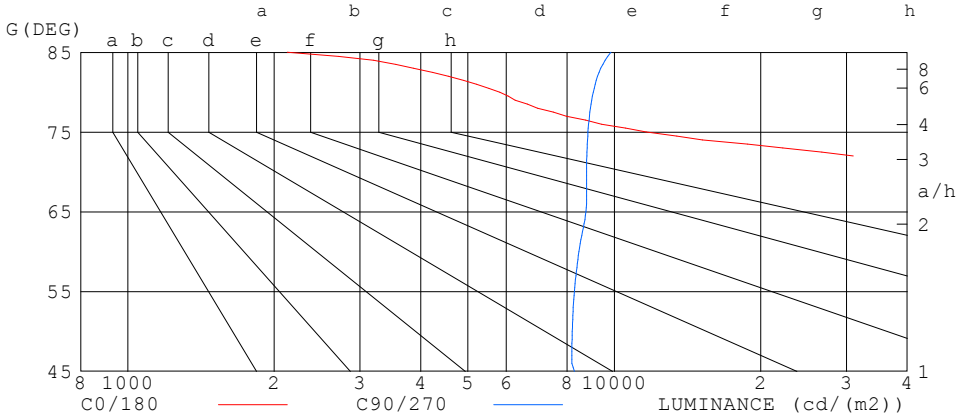
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	2127	9845
80	5814	9051
75	11621	8830
70	68208	8769
65	126111	8739
60	133739	8462
55	138223	8281
50	141602	8196
45	142071	8281

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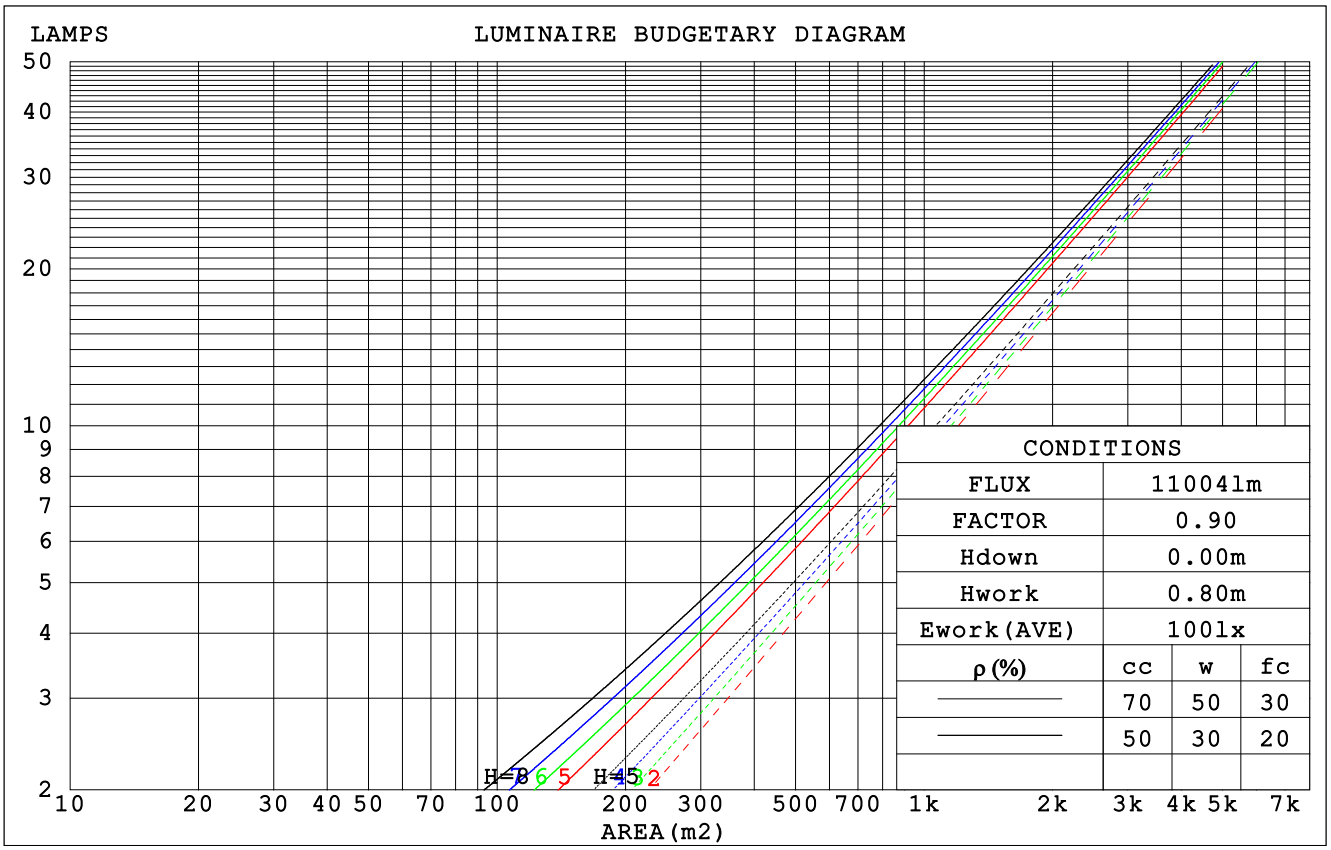
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.07	1.04	1.01	1.05	1.02	.99	1.01	.98	.96	.97	.95	.93	.94	.92	.90	.88
2.0	.96	.91	.86	.94	.89	.85	.91	.87	.83	.88	.84	.81	.85	.82	.79	.77
3.0	.86	.80	.74	.85	.79	.74	.82	.77	.72	.80	.75	.71	.77	.73	.70	.68
4.0	.78	.71	.65	.77	.70	.65	.75	.69	.64	.72	.67	.63	.70	.66	.62	.60
5.0	.71	.63	.58	.70	.63	.57	.68	.62	.57	.66	.61	.56	.64	.60	.56	.54
6.0	.65	.57	.52	.64	.57	.51	.62	.56	.51	.61	.55	.51	.59	.54	.50	.48
7.0	.60	.52	.47	.59	.52	.46	.58	.51	.46	.56	.50	.46	.55	.50	.46	.44
8.0	.55	.48	.42	.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	.38	.48	.42	.38	.37
10.0	.48	.41	.36	.47	.40	.36	.46	.40	.36	.45	.40	.35	.45	.39	.35	.34



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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	.245	.139	.044	.238	.136	.043	.225	.129	.041	.213	.123	.039	.202	.117	.038	
2.0	.237	.130	.040	.231	.127	.039	.220	.122	.038	.209	.117	.037	.200	.113	.036	
3.0	.224	.119	.036	.219	.117	.035	.209	.113	.034	.200	.110	.034	.192	.106	.033	
4.0	.211	.110	.032	.206	.108	.032	.198	.105	.031	.190	.102	.031	.182	.099	.030	
5.0	.198	.101	.029	.194	.100	.029	.186	.097	.029	.179	.095	.028	.173	.092	.028	
6.0	.186	.093	.027	.182	.092	.027	.176	.090	.026	.169	.088	.026	.163	.086	.026	
7.0	.175	.087	.025	.172	.086	.024	.166	.084	.024	.160	.082	.024	.155	.080	.024	
8.0	.165	.081	.023	.162	.080	.023	.157	.078	.022	.152	.077	.022	.147	.075	.022	
9.0	.156	.075	.021	.153	.075	.021	.149	.073	.021	.144	.072	.021	.140	.071	.020	
10.0	.148	.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	.134	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.165	.132	.105	.141	.114	.090	.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	.074	.036	.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	.014	.008	.004	
9.0	.115	.063	.027	.099	.054	.024	.069	.038	.017	.040	.023	.010	.013	.007	.003	
10.0	.110	.058	.024	.095	.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:2017-04-17

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	31.8	31.9	16.1	17.4	16.4	17.6	17.8
	3H	31.6	32.8	31.9	33.0	33.2	17.2	18.4	17.5	18.7	18.9
	4H	31.5	32.7	31.8	32.9	33.2	17.8	19.0	18.1	19.2	19.5
	6H	31.4	32.5	31.8	32.8	33.0	18.4	19.5	18.7	19.7	20.0
	8H	31.4	32.4	31.7	32.7	33.0	18.6	19.6	19.0	19.9	20.2
	12H	31.4	32.3	31.7	32.6	32.9	18.8	19.8	19.2	20.1	20.4
4H	2H	30.0	31.1	30.3	31.4	31.6	17.5	18.6	17.8	18.9	19.1
	3H	31.3	32.3	31.7	32.6	32.9	18.5	19.5	18.8	19.7	20.0
	4H	31.3	32.2	31.7	32.5	32.8	19.1	20.0	19.4	20.3	20.6
	6H	31.2	32.0	31.6	32.4	32.7	19.7	20.5	20.1	20.8	21.2
	8H	31.2	31.9	31.6	32.3	32.7	20.0	20.7	20.4	21.1	21.4
	12H	31.1	31.8	31.6	32.2	32.6	20.2	20.9	20.6	21.3	21.7
8H	4H	31.2	31.9	31.6	32.3	32.6	19.4	20.1	19.8	20.5	20.9
	6H	31.1	31.7	31.5	32.1	32.5	20.1	20.7	20.6	21.1	21.6
	8H	31.1	31.6	31.5	32.0	32.5	20.5	21.0	21.0	21.4	21.9
	12H	31.0	31.5	31.5	31.9	32.4	20.9	21.3	21.3	21.7	22.2
12H	4H	31.1	31.8	31.5	32.2	32.6	19.4	20.1	19.8	20.5	20.9
	6H	31.1	31.6	31.5	32.0	32.5	20.2	20.7	20.6	21.1	21.6
	8H	31.0	31.5	31.5	31.9	32.4	20.6	21.1	21.1	21.5	22.0
Variations with the observer position at spacings:											
S = 1.0H		+ 0.8 / - 0.9					+ 0.6 / - 0.8				
1.5H		+ 2.2 / - 4.3					+ 1.1 / - 0.7				
2.0H		+ 3.5 / - 8.6					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 11004 lm Total Lamp Luminous Flux.(8log(F/F0) = 8.3)

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Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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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	67	58	52	67	57	52	66	57	51	46
0.80	77	68	61	76	67	61	75	66	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	81	91	85	80	74
2.00	101	94	89	99	93	88	96	91	87	80
2.50	104	98	93	102	96	92	98	94	90	83
3.00	106	101	97	104	100	96	101	97	94	86
4.00	110	105	102	107	104	100	103	100	98	90
5.00	111	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	

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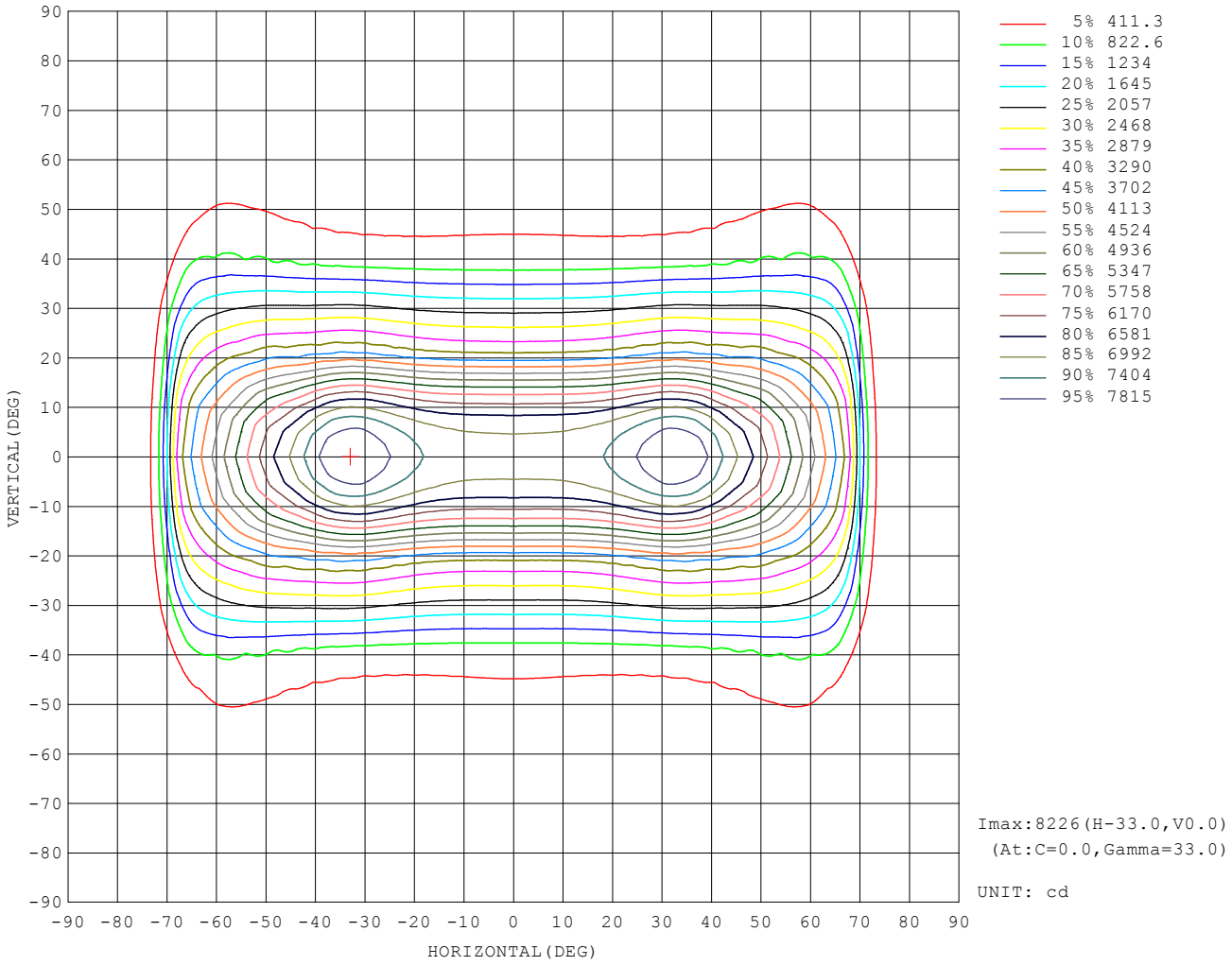
Remarks:

ISOCANDELA DIAGRAM



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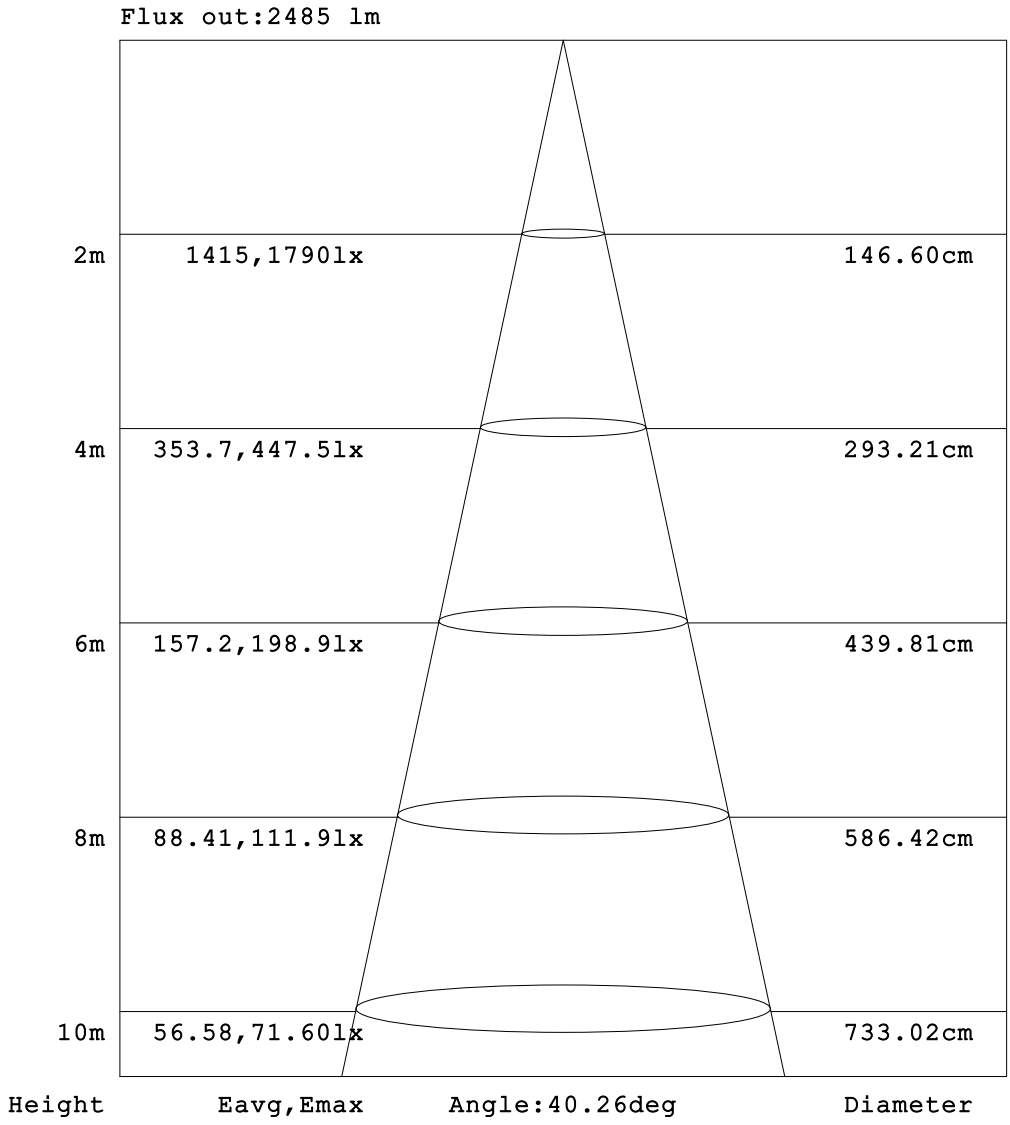
Remarks:

AAI Figure



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

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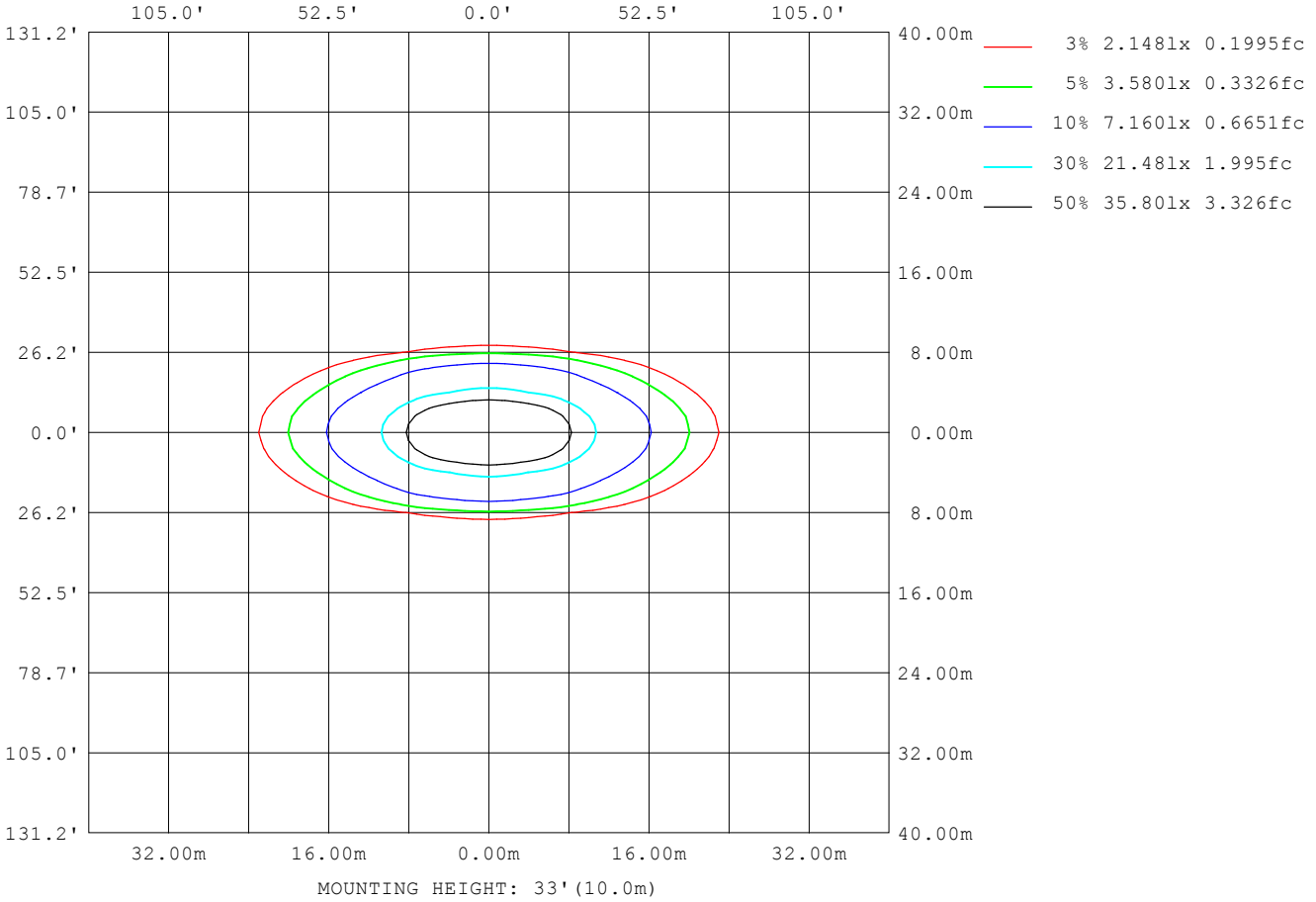
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.4100A P:90.88W PF:0.9635 Lamp Flux:11004x1 lm		
NAME: LHB01-90	TYPE:90W	WEIGHT:
SPEC.:4000K Ra80 40130DEG L02804	DIM.: 0.718*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.7*0.1	Shielding Angle:

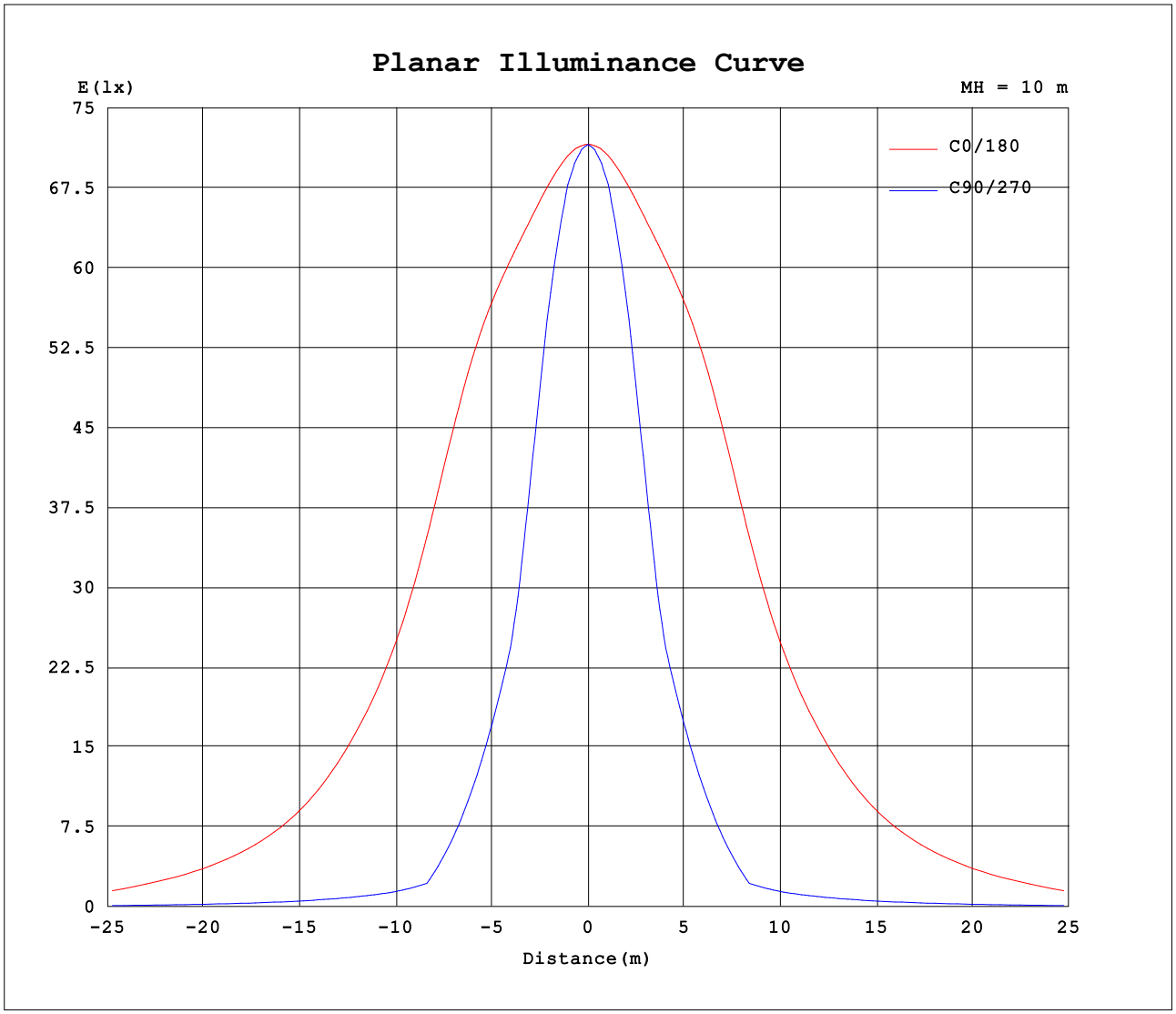
AvgL	cd/m2
L_0~180(65)av	126111
L_0~180(75)av	11621
L_0~180(85)av	2127
L_90~270(65)av	8739
L_90~270(75)av	8830
L_90~270(85)av	9845
L_45(65)av	9202
L_45(75)av	7543
L_45(85)av	8650

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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:2017-04-17

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: cd

C(DEG) / γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160
5	7167	7157	7148	7139	7130	7118	7100	7083	7067	7052	7038	7023	7007	6993	6982	6973	6967	6964	6963
10	7192	7172	7152	7116	7074	7027	6969	6914	6834	6748	6669	6591	6512	6445	6391	6348	6319	6302	6298
15	7288	7255	7202	7131	7026	6896	6725	6537	6351	6154	5969	5781	5595	5437	5305	5197	5121	5076	5064
20	7497	7446	7342	7191	6960	6670	6354	6014	5629	5258	4910	4590	4305	4063	3861	3704	3594	3529	3511
25	7828	7740	7563	7270	6850	6368	5816	5238	4679	4154	3672	3329	3061	2919	2806	2721	2663	2630	2622
30	8151	8017	7753	7249	6621	5872	5086	4313	3622	3153	2869	2626	2422	2255	2125	2027	1959	1921	1911
35	8183	7999	7592	6916	6055	5101	4146	3405	2976	2599	2271	1994	1764	1579	1436	1328	1255	1212	1200
40	7727	7513	6981	6165	5140	4076	3328	2843	2391	1982	1624	1324	1080	886	736	625	548	504	490
45	7032	6787	6156	5206	4110	3253	2700	2187	1713	1285	914	606	476	447	428	416	412	410	410
50	6371	6095	5365	4322	3286	2633	2023	1469	966	534	458	406	381	373	369	368	368	368	369
55	5550	5243	4486	3442	2664	1970	1317	720	492	400	364	345	334	330	328	329	330	332	332
60	4681	4349	3574	2697	1973	1261	658	457	378	336	309	293	286	284	286	290	293	295	296
65	3731	3408	2690	1948	1243	671	452	367	308	270	247	236	234	237	243	249	254	257	259
70	1633	1584	1454	1065	584	434	341	268	220	193	181	179	183	190	196	202	206	209	210
75	211	232	279	260	286	253	190	147	138	136	135	136	139	144	149	154	157	159	160
80	70.7	73.8	86.4	105	111	97.5	97.6	96.7	95.6	94.2	93.2	93.6	95.7	99.0	103	106	108	110	110
85	13.0	25.0	38.9	48.3	52.7	54.1	54.3	53.8	53.1	52.4	51.9	52.1	53.1	54.8	56.6	58.1	59.2	59.9	60.1
90	10.0	14.7	15.1	14.3	13.4	12.6	11.9	11.3	10.9	10.8	10.7	10.8	10.8	10.8	10.7	10.5	10.3	10.2	10.1

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

C(DEG) / γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160
5	6964	6967	6973	6982	6993	7007	7023	7038	7052	7067	7083	7100	7118	7130	7139	7148	7157	7167	7159
10	6302	6319	6348	6391	6445	6512	6591	6669	6748	6834	6914	6969	7027	7074	7116	7152	7172	7192	7176
15	5076	5121	5197	5305	5437	5595	5781	5969	6154	6351	6537	6725	6896	7026	7131	7202	7255	7288	7261
20	3529	3594	3704	3861	4063	4305	4590	4910	5258	5629	6014	6354	6670	6960	7191	7342	7446	7497	7453
25	2630	2663	2721	2806	2919	3061	3329	3672	4154	4679	5238	5816	6368	6850	7270	7563	7740	7828	7748
30	1921	1959	2027	2125	2255	2422	2626	2869	3153	3622	4313	5086	5872	6621	7249	7753	8017	8151	8025
35	1212	1255	1328	1436	1579	1764	1994	2271	2599	2976	3405	4146	5101	6055	6916	7592	7999	8183	8020
40	504	548	625	736	886	1080	1324	1624	1982	2391	2843	3328	4076	5140	6165	6981	7513	7727	7536
45	410	412	416	428	447	476	606	914	1285	1713	2187	2700	3253	4110	5206	6156	6787	7032	6808
50	368	368	368	369	373	381	406	458	534	966	1469	2023	2633	3286	4322	5365	6095	6371	6138
55	332	330	329	328	330	334	345	364	400	492	720	1317	1970	2664	3442	4486	5243	5550	5299
60	295	293	290	286	284	286	293	309	336	378	457	658	1261	1973	2697	3574	4349	4681	4424
65	257	254	249	243	237	234	236	247	270	308	367	452	671	1243	1948	2690	3408	3731	3498
70	209	206	202	196	190	183	179	181	193	220	268	341	434	584	1065	1454	1584	1633	1655
75	159	157	154	149	144	139	136	135	136	138	147	190	253	286	260	279	232	211	222
80	110	108	106	103	99.0	95.7	93.6	93.2	94.2	95.6	96.7	97.6	97.5	111	105	86.4	73.8	70.7	72.8
85	59.9	59.2	58.1	56.6	54.8	53.1	52.1	51.9	52.4	53.1	53.8	54.3	54.1	52.7	48.3	38.9	25.0	13.0	25.1
90	10.2	10.3	10.5	10.7	10.8	10.8	10.8	10.7	10.8	10.9	11.3	11.9	12.6	13.4	14.3	15.1	14.7	10.0	13.6

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

C(DEG) / γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160
5	7150	7142	7134	7123	7106	7089	7073	7059	7045	7031	7014	7000	6988	6978	6970	6966	6963	6966	6970
10	7159	7127	7089	7045	6990	6937	6858	6772	6693	6613	6534	6465	6408	6363	6329	6307	6298	6307	6329
15	7214	7147	7048	6920	6749	6563	6377	6181	5998	5810	5622	5462	5327	5215	5135	5084	5064	5084	5135
20	7354	7207	6976	6684	6368	6031	5649	5281	4934	4616	4332	4089	3885	3725	3610	3538	3511	3538	3610
25	7575	7281	6859	6376	5824	5247	4692	4171	3699	3361	3094	2949	2832	2743	2678	2638	2622	2638	2678
30	7765	7258	6625	5870	5082	4315	3639	3178	2896	2654	2449	2281	2147	2045	1973	1928	1911	1928	1973
35	7620	6939	6063	5094	4140	3410	2987	2615	2291	2015	1785	1599	1453	1342	1264	1218	1200	1218	1264
40	7003	6177	5130	4062	3324	2845	2398	1993	1639	1341	1096	900	747	633	554	506	490	506	554
45	6165	5183	4069	3222	2687	2188	1722	1298	929	621	488	455	434	420	414	411	410	411	414
50	5402	4319	3268	2610	2012	1471	979	552	471	416	388	377	372	370	369	369	369	369	369
55	4537	3459	2674	1977	1324	735	506	411	372	352	339	332	330	330	331	332	332	332	331
60	3646	2729	1986	1274	675	470	388	344	314	297	288	285	286	289	293	295	296	295	293
65	2767	1992	1261	680	463	375	315	275	250	237	233	235	241	248	254	257	259	257	254
70	1543	1109	614	449	347	273	224	195	181	178	181	187	194	201	206	209	210	209	206
75	274	272	308	265	194	149	140	137	135	135	138	142	148	153	157	159	160	159	157
80	85.2	105	114	99.1	99.3	98.4	96.7	95.0	93.7	93.5	95.1	98.0	102	105	108	109	110	109	108
85	39.1	48.0	52.6	54.6	55.1	54.8	53.9	53.1	52.5	52.3	53.0	54.4	56.1	57.8	59.0	59.8	60.1	59.8	59.0
90	14.0	13.4	12.7	12.2	11.9	11.6	11.3	11.4	11.4	11.4	11.3	11.2	10.9	10.6	10.4	10.2	10.1	10.2	10.4

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160	7160				
5	6978	6988	7000	7014	7031	7045	7059	7073	7089	7106	7123	7134	7142	7150	7159				
10	6363	6408	6465	6534	6613	6693	6772	6858	6937	6990	7045	7089	7127	7159	7176				
15	5215	5327	5462	5622	5810	5998	6181	6377	6563	6749	6920	7048	7147	7214	7261				
20	3725	3885	4089	4332	4616	4934	5281	5649	6031	6368	6684	6976	7207	7354	7453				
25	2743	2832	2949	3094	3361	3699	4171	4692	5247	5824	6376	6859	7281	7575	7748				
30	2045	2147	2281	2449	2654	2896	3178	3639	4315	5082	5870	6625	7258	7765	8025				
35	1342	1453	1599	1785	2015	2291	2615	2987	3410	4140	5094	6063	6939	7620	8020				
40	633	747	900	1096	1341	1639	1993	2398	2845	3324	4062	5130	6177	7003	7536				
45	420	434	455	488	621	929	1298	1722	2188	2687	3222	4069	5183	6165	6808				
50	370	372	377	388	416	471	552	979	1471	2012	2610	3268	4319	5402	6138				
55	330	330	332	339	352	372	411	506	735	1324	1977	2674	3459	4537	5299				
60	289	286	285	288	297	314	344	388	470	675	1274	1986	2729	3646	4424				
65	248	241	235	233	237	250	275	315	375	463	680	1261	1992	2767	3498				
70	201	194	187	181	178	181	195	224	273	347	449	614	1109	1543	1655				
75	153	148	142	138	135	135	137	140	149	194	265	308	272	274	222				
80	105	102	98.0	95.1	93.5	93.7	95.0	96.7	98.4	99.3	99.1	114	105	85.2	72.8				
85	57.8	56.1	54.4	53.0	52.3	52.5	53.1	53.9	54.8	55.1	54.6	52.6	48.0	39.1	25.1				
90	10.6	10.9	11.2	11.3	11.4	11.4	11.4	11.3	11.6	11.9	12.2	12.7	13.4	14.0	13.6				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-17

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: