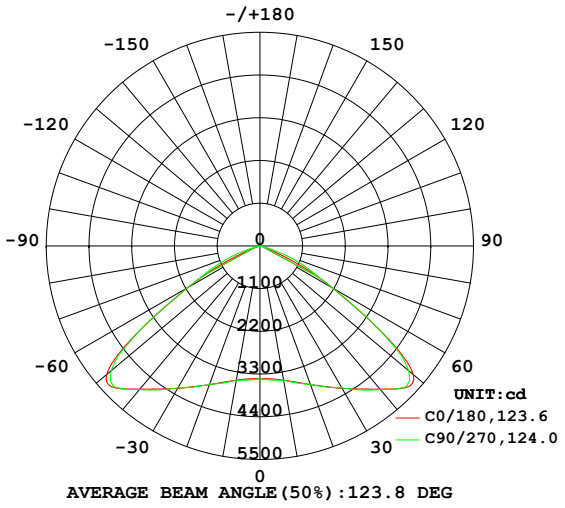
LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.0V I:0.5320A P:118.8W PF:0.9704 Lamp Flux:14641x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

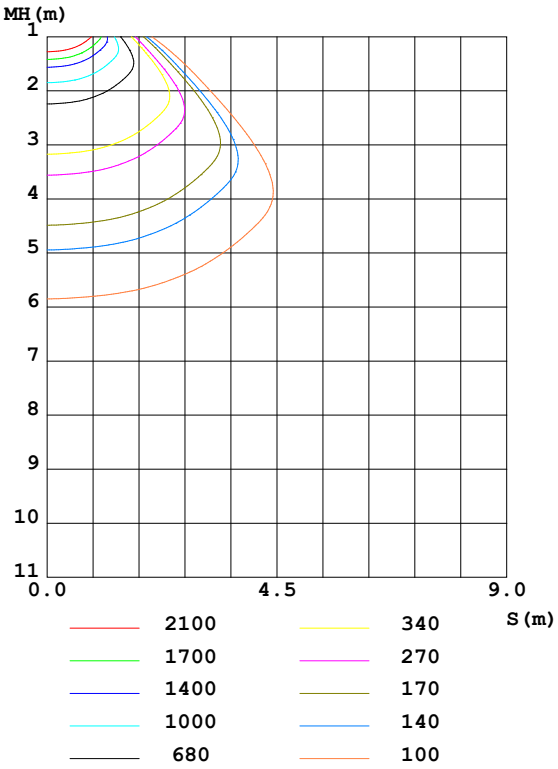
DATA OF LAMP		PHOTOMETRIC DATA Eff: 123.27 lm/W			
MODEL	LHB01-120	Imax(cd)	5294	S/MH(C0/180)	1.94
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.93
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	14641	η UP,DN(C0-180)	0.0,49.9
NOMINAL FLUX(lm)	14641	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,50.1
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	230	η down(%)	100.0	CIBSE SHR MAX	0.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):123.8 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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	3439	3462	3465	3462	3439	3463	3465	3463	0- 5	82.35	82.35	0.56,0.56
10	3511	3529	3510	3529	3511	3536	3510	3536	5- 10	249.9	332.2	2.27,2.27
15	3633	3636	3650	3636	3633	3651	3650	3651	10- 15	425.6	757.8	5.18,5.18
20	3798	3808	3791	3808	3798	3828	3791	3828	15- 20	615.0	1373	9.38,9.38
25	3995	3995	4005	3995	3995	4022	4005	4022	20- 25	819.7	2193	15,15
30	4233	4228	4218	4228	4233	4261	4218	4261	25- 30	1044	3237	22.1,22.1
35	4498	4493	4522	4493	4498	4538	4522	4538	30- 35	1289	4525	30.9,30.9
40	4813	4772	4827	4772	4813	4837	4827	4837	35- 40	1558	6083	41.6,41.6
45	5185	5030	5169	5030	5185	5108	5169	5108	40- 45	1850	7933	54.2,54.2
50	5154	5053	5001	5053	5154	5138	5001	5138	45- 50	2087	10020	68.4,68.4
55	3744	3784	3733	3784	3744	3762	3733	3762	50- 55	1946	11966	81.7,81.7
60	2139	2099	2133	2099	2139	2071	2133	2071	55- 60	1335	13302	90.9,90.9
65	960.1	924.8	1339	924.8	960.1	932.9	1339	932.9	60- 65	749.9	14051	96,96
70	158.5	343.7	712.1	343.7	158.5	348.1	712.1	348.1	65- 70	354.7	14406	98.4,98.4
75	96.39	175.6	145.5	175.6	96.39	179.2	145.5	179.2	70- 75	148.5	14555	99.4,99.4
80	58.91	56.25	58.84	56.25	58.91	57.61	58.84	57.61	75- 80	51.30	14606	99.8,99.8
85	13.26	30.83	32.12	30.83	13.26	31.81	32.12	31.81	80- 85	25.28	14631	99.9,99.9
90	4.186	5.316	5.413	5.316	4.186	5.936	5.413	5.936	85- 90	9.762	14641	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): 7933.3 lm

%lum = 54.2%
%lamp = 54.2%

Conical surface Flux(120deg): 13302 lm

%lum = 90.9%
%lamp = 90.9%

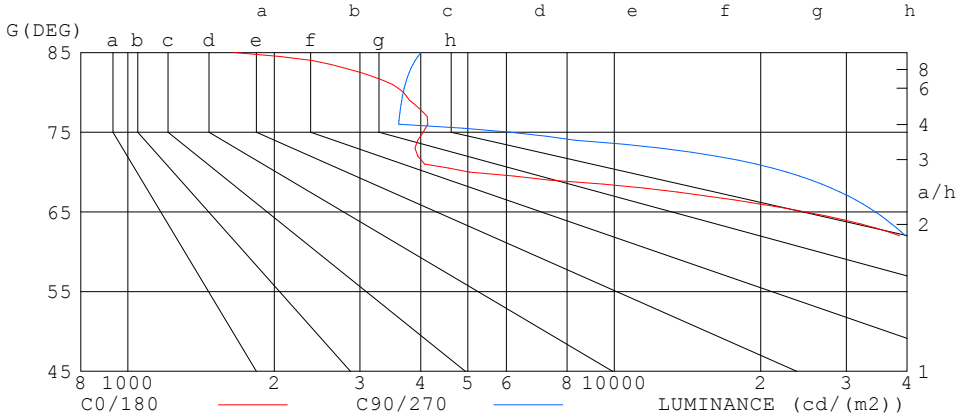
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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	1654	4006
80	3687	3683
75	4048	6112
70	5038	22632
65	24694	34432
60	46511	46375
55	70957	70741
50	87160	84570
45	79701	79450

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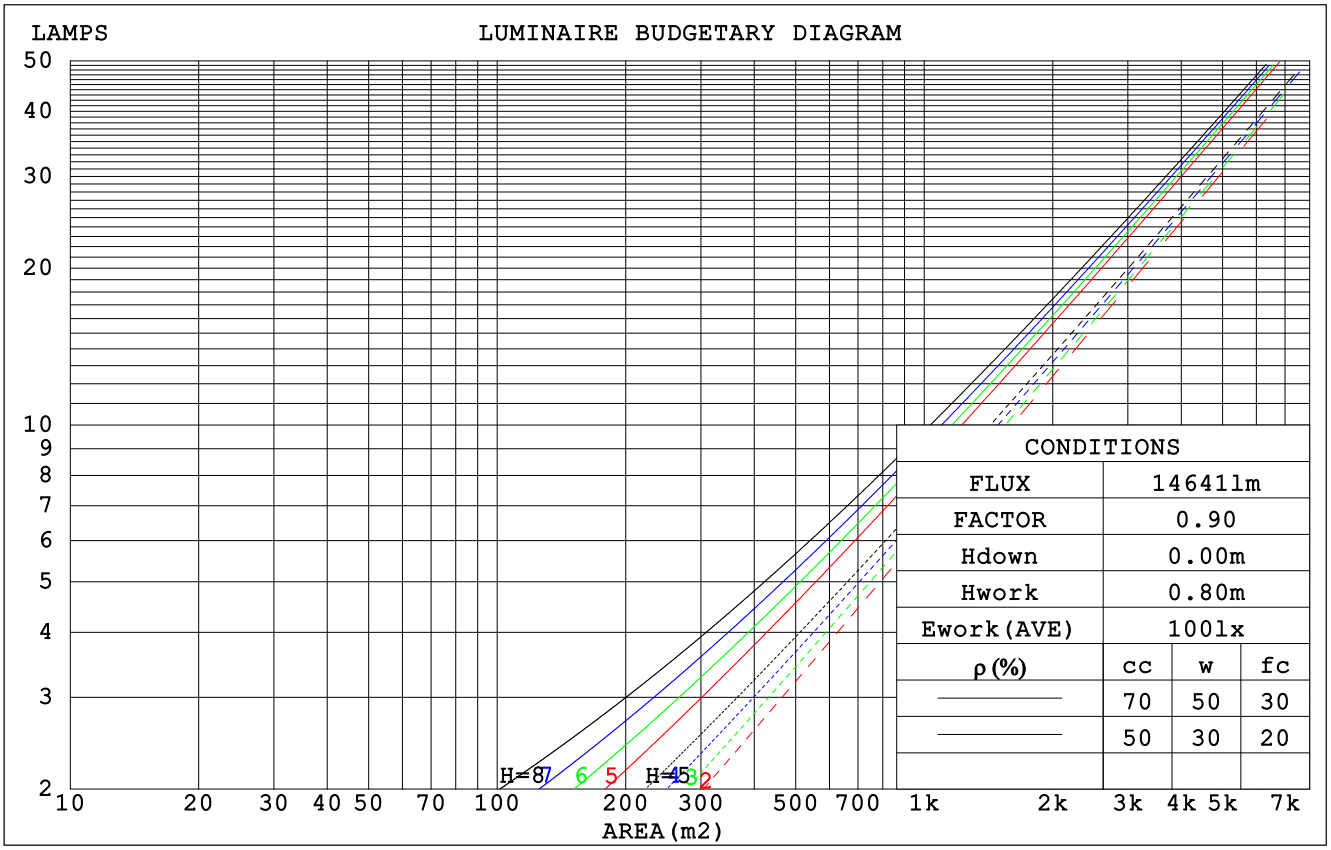
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.295
Humidity:65.0%
Test Distance:9.500m [K=1.0000]
Remarks:

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	1.06	1.02	.99	1.04	1.00	.97	.00	.97	.94	.96	.94	.92	.92	.90	.89	.87
2.0	.93	.87	.82	.91	.86	.81	.88	.83	.79	.85	.81	.77	.82	.78	.76	.73
3.0	.82	.74	.68	.80	.73	.68	.77	.71	.66	.75	.70	.65	.72	.68	.64	.62
4.0	.72	.64	.57	.71	.63	.57	.68	.62	.56	.66	.60	.55	.64	.59	.55	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.53	.46	.41	.51	.45	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.29	.24	.23



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Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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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:

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	.267	.152	.048	.260	.148	.047	.247	.142	.045	.235	.136	.044	.224	.130	.042	
2.0	.264	.145	.044	.258	.142	.044	.247	.137	.043	.236	.133	.041	.227	.128	.040	
3.0	.253	.135	.040	.248	.133	.040	.238	.129	.039	.228	.125	.038	.220	.122	.038	
4.0	.240	.124	.037	.235	.123	.036	.226	.120	.036	.217	.117	.035	.209	.114	.035	
5.0	.225	.115	.033	.221	.114	.033	.213	.111	.033	.206	.108	.032	.199	.106	.032	
6.0	.212	.106	.030	.208	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029	
7.0	.199	.098	.028	.195	.097	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.166	.080	.022	.164	.079	.022	.159	.078	.022	.154	.077	.022	.150	.076	.022	

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	.177	.157	.138	.152	.134	.119	.104	.092	.082	.060	.053	.048	.019	.017	.015	
2.0	.169	.132	.101	.144	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.114	.077	.138	.099	.066	.095	.068	.047	.055	.040	.027	.018	.013	.009	
4.0	.154	.101	.060	.133	.087	.052	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.022	.102	.053	.019	.071	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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	27.9	29.4	28.2	29.6	29.8	28.0	29.5	28.2	29.7	29.9
	3H	27.9	29.2	28.2	29.5	29.7	28.2	29.6	28.5	29.8	30.1
	4H	27.8	29.1	28.1	29.3	29.6	28.2	29.5	28.5	29.7	30.0
	6H	27.7	28.9	28.0	29.2	29.4	28.1	29.3	28.4	29.6	29.8
	8H	27.6	28.8	28.0	29.1	29.4	28.0	29.2	28.4	29.5	29.8
	12H	27.6	28.7	27.9	29.0	29.3	28.0	29.1	28.3	29.4	29.7
4H	2H	28.0	29.3	28.3	29.5	29.8	28.0	29.3	28.4	29.6	29.8
	3H	28.0	29.1	28.3	29.4	29.7	28.4	29.5	28.7	29.8	30.1
	4H	27.9	28.9	28.2	29.2	29.5	28.3	29.3	28.7	29.6	30.0
	6H	27.8	28.7	28.2	29.0	29.4	28.2	29.1	28.6	29.5	29.8
	8H	27.8	28.6	28.2	28.9	29.3	28.2	29.0	28.6	29.4	29.8
	12H	27.7	28.5	28.1	28.8	29.2	28.2	28.9	28.6	29.3	29.7
8H	4H	27.8	28.6	28.2	29.0	29.3	28.2	29.0	28.6	29.4	29.8
	6H	27.7	28.4	28.2	28.8	29.2	28.1	28.8	28.6	29.2	29.6
	8H	27.7	28.3	28.1	28.7	29.1	28.1	28.7	28.6	29.1	29.6
	12H	27.7	28.1	28.1	28.6	29.1	28.1	28.6	28.5	29.0	29.5
12H	4H	27.7	28.5	28.2	28.9	29.3	28.2	28.9	28.6	29.3	29.7
	6H	27.7	28.3	28.1	28.7	29.1	28.1	28.7	28.6	29.1	29.5
	8H	27.7	28.1	28.1	28.6	29.1	28.1	28.6	28.5	29.0	29.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.5					+ 0.2 / - 0.4				
1.5H		+ 1.1 / - 2.8					+ 0.9 / - 2.3				
2.0H		+ 2.2 / - 3.8					+ 2.0 / - 3.8				

CIE Pub.117 Corrected 14641 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.3)

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Test Speed: HIGH
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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	54	41	34	53	41	34	52	41	34	27
0.80	66	54	46	65	53	46	63	53	46	39
1.00	77	66	58	75	65	58	73	66	57	50
1.25	85	75	68	83	74	67	81	72	67	59
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	90	84	96	88	83	92	86	81	74
2.50	101	94	88	99	92	87	95	90	85	78
3.00	104	98	93	102	96	92	98	93	90	82
4.00	108	102	98	105	101	97	101	97	94	85
5.00	109	105	101	107	103	100	103	99	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

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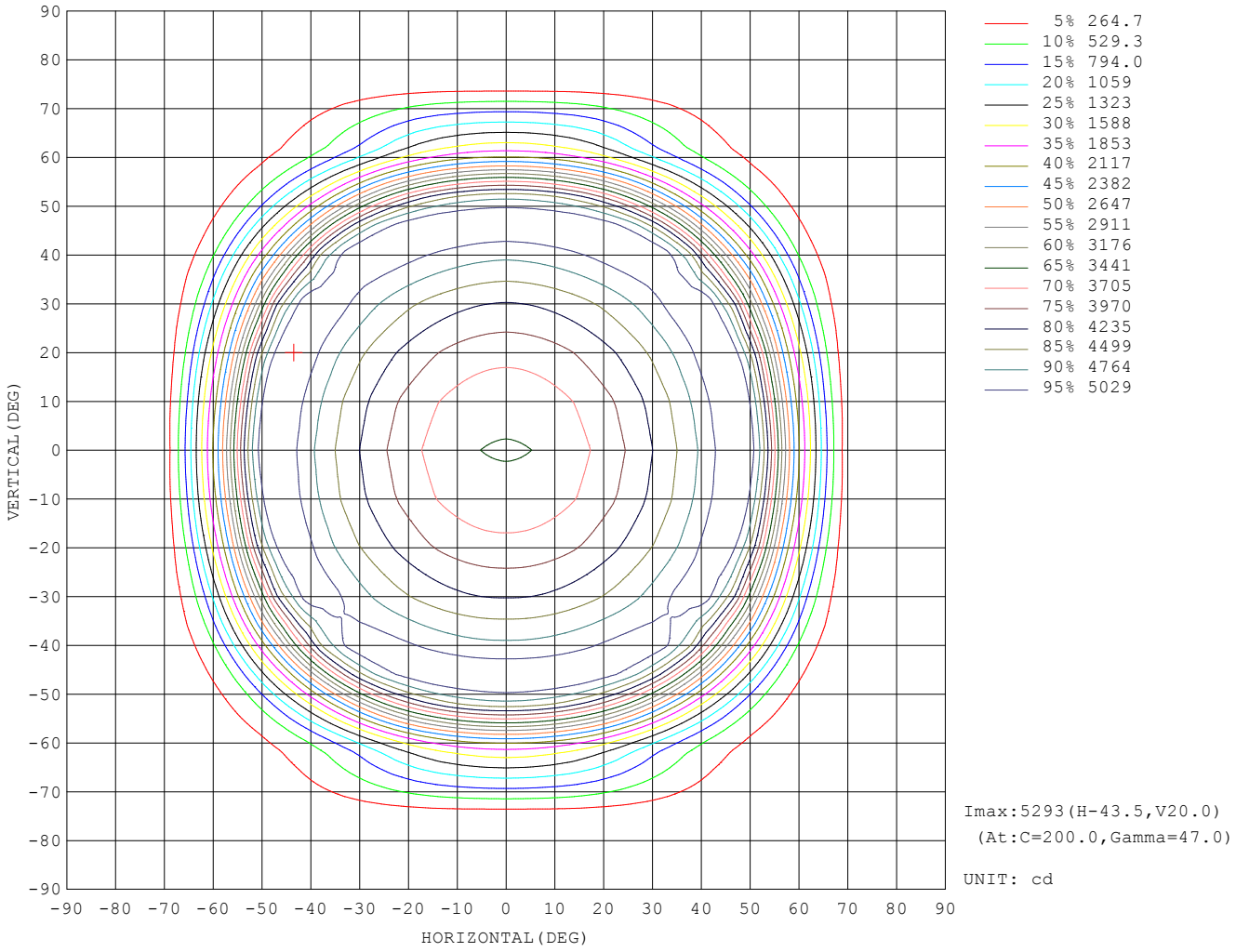
Remarks:

ISOCANDELA DIAGRAM



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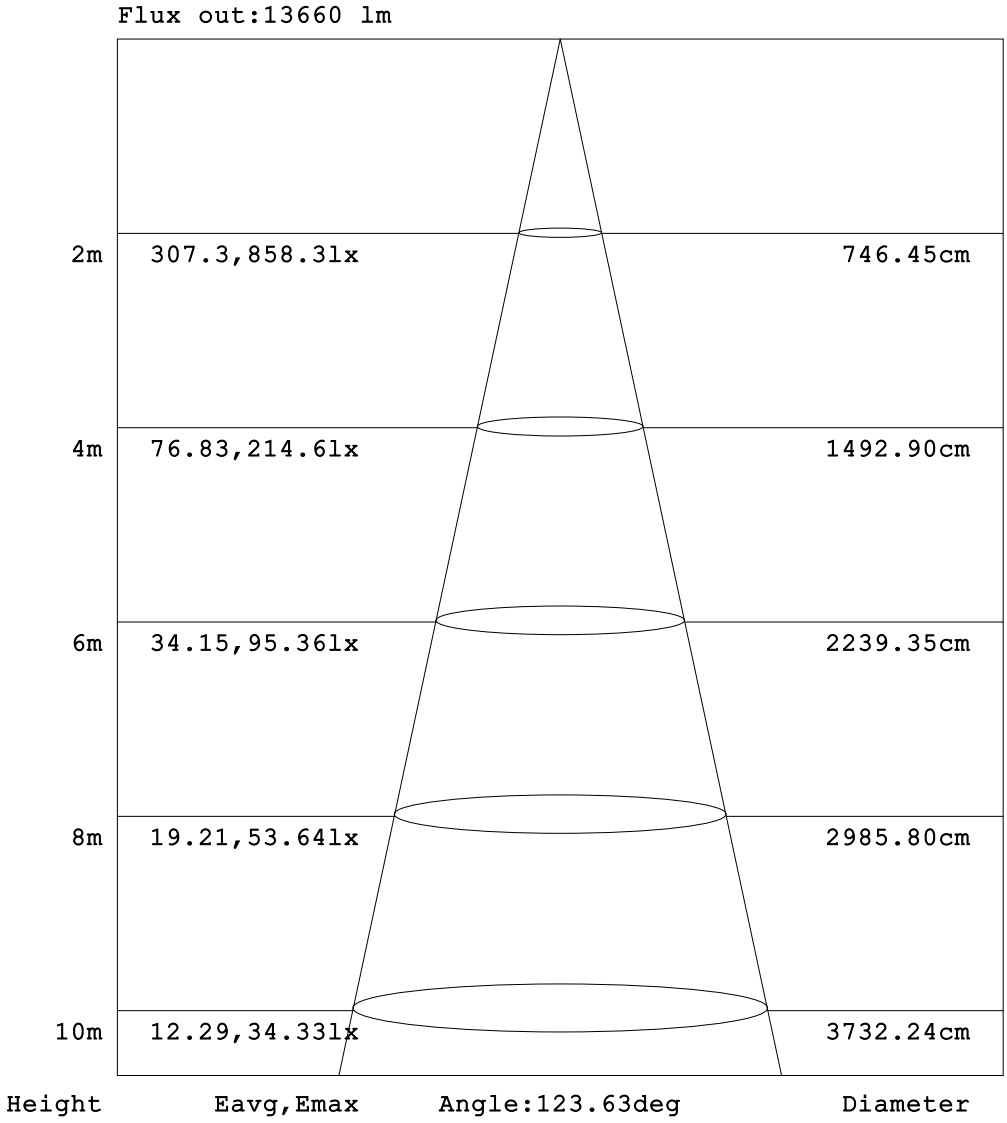
Remarks:

AAI Figure



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

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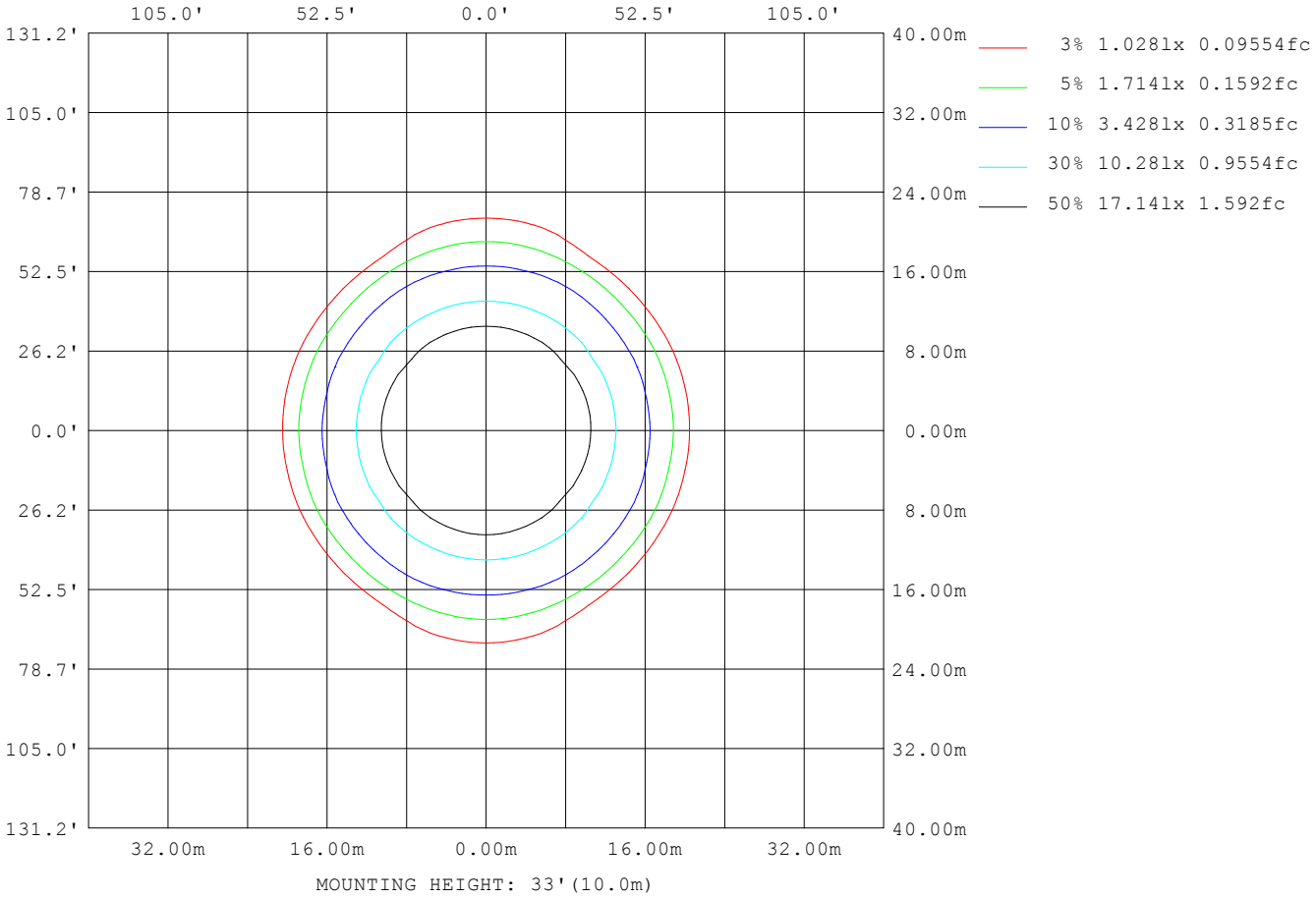
Remarks:

ISOLUX DIAGRAM



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Remarks:

LED Avg.L Report

Test:U:230.0V I:0.5320A P:118.8W PF:0.9704 Lamp Flux:14641x1 lm		
NAME: LHB01-120	TYPE:120W	WEIGHT:
SPEC.:4000K Ra80 120DEG L02803	DIM.: 0.948*0.137*0.102	SERIAL No.:
MFR.:	SUR.:0.92*0.1	Shielding Angle:

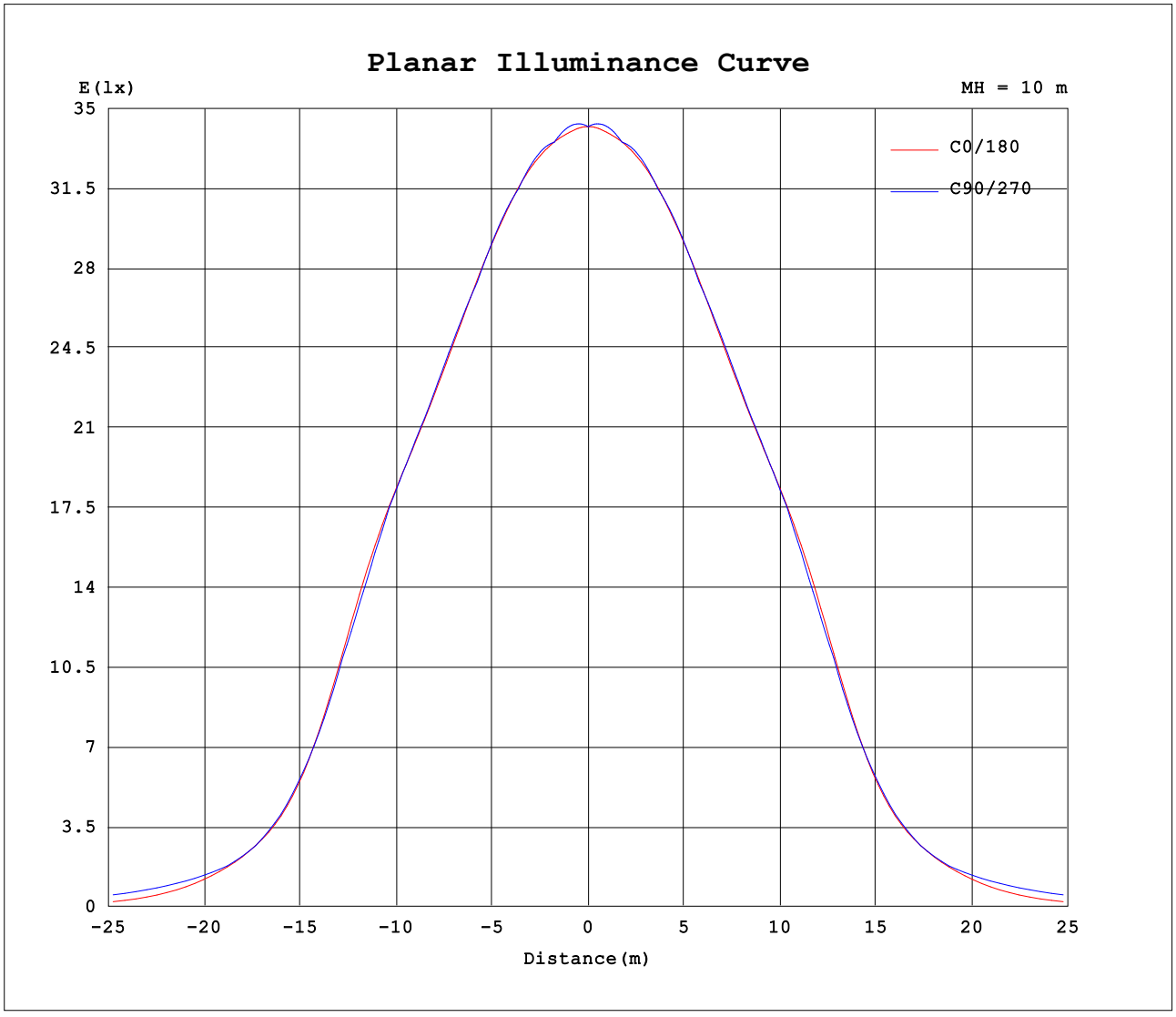
AvgL	cd/m2
L_0~180(65)av	24694
L_0~180(75)av	4048
L_0~180(85)av	1654
L_90~270(65)av	34432
L_90~270(75)av	6112
L_90~270(85)av	4006
L_45(65)av	23890
L_45(75)av	7450
L_45(85)av	3906

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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:2017-04-24

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: 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	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420
5	3439	3442	3446	3449	3452	3455	3457	3459	3460	3462	3462	3463	3464	3464	3465	3465	3465	3465	3465
10	3511	3518	3524	3529	3532	3533	3534	3533	3531	3529	3526	3523	3519	3516	3514	3512	3511	3510	3510
15	3633	3644	3651	3654	3655	3653	3648	3641	3633	3636	3641	3644	3646	3647	3647	3648	3649	3650	3650
20	3798	3810	3816	3816	3812	3803	3795	3803	3807	3808	3807	3805	3802	3799	3796	3793	3792	3791	3791
25	3995	4008	4012	4007	3996	3996	4004	4007	4003	3995	3984	3987	3993	3997	3999	4001	4002	4003	4005
30	4233	4245	4245	4234	4229	4237	4236	4229	4221	4228	4231	4231	4229	4226	4222	4219	4216	4216	4218
35	4498	4510	4504	4487	4497	4494	4481	4488	4494	4493	4487	4479	4490	4500	4507	4512	4516	4519	4522
40	4813	4824	4810	4806	4805	4784	4791	4794	4785	4772	4783	4800	4812	4817	4820	4821	4822	4823	4827
45	5185	5185	5164	5151	5142	5096	5101	5112	5018	5030	5075	5111	5115	5127	5131	5145	5154	5164	5169
50	5154	5102	5088	5057	5015	4969	5009	4826	4875	5053	5008	5009	5045	5000	4993	4977	4983	4995	5001
55	3744	3701	3701	3756	3707	3773	3693	3744	3784	3784	3785	3781	3779	3784	3769	3758	3745	3737	3733
60	2139	2116	2098	2113	2140	2149	2127	2110	2102	2099	2105	2129	2143	2151	2153	2153	2144	2136	2133
65	960	952	954	951	957	935	920	916	918	925	927	952	1023	1130	1221	1278	1311	1331	1339
70	159	183	242	278	275	276	282	287	303	344	433	514	589	651	689	708	712	712	712
75	96.4	91.9	91.2	115	133	135	138	145	157	176	201	216	215	199	178	172	160	149	146
80	58.9	58.3	60.4	63.6	76.4	77.2	75.1	70.6	63.9	56.3	56.0	60.1	61.3	61.0	62.6	65.1	63.4	59.7	58.8
85	13.3	22.0	27.8	28.1	29.7	32.3	33.2	32.9	31.9	30.8	30.4	32.5	33.3	33.1	33.9	35.2	34.4	32.6	32.1
90	4.19	6.21	6.11	6.07	5.81	5.64	5.54	5.44	5.37	5.32	5.28	5.28	5.28	5.29	5.32	5.35	5.37	5.39	5.41

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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: cd

γ (DEG) \ C(DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420
5	3465	3465	3465	3465	3464	3464	3463	3462	3462	3460	3459	3457	3455	3452	3449	3446	3442	3439	3443
10	3510	3511	3512	3514	3516	3519	3523	3526	3529	3531	3533	3534	3533	3532	3529	3524	3518	3511	3519
15	3650	3649	3648	3647	3647	3646	3644	3641	3636	3633	3641	3648	3653	3655	3654	3651	3644	3633	3646
20	3791	3792	3793	3796	3799	3802	3805	3807	3808	3807	3803	3795	3803	3812	3816	3816	3810	3798	3812
25	4003	4002	4001	3999	3997	3993	3987	3984	3995	4003	4007	4004	3996	3996	4007	4012	4008	3995	4012
30	4216	4216	4219	4222	4226	4229	4231	4231	4228	4221	4229	4236	4237	4229	4234	4245	4245	4233	4251
35	4519	4516	4512	4507	4500	4490	4479	4487	4493	4494	4488	4481	4494	4497	4487	4504	4510	4498	4519
40	4823	4822	4821	4820	4817	4812	4800	4783	4772	4785	4794	4791	4784	4805	4806	4810	4824	4813	4839
45	5164	5154	5145	5131	5127	5115	5111	5075	5030	5018	5112	5101	5096	5142	5151	5164	5185	5185	5204
50	4995	4983	4977	4993	5000	5045	5009	5008	5053	4875	4826	5009	4969	5015	5057	5088	5102	5154	5128
55	3737	3745	3758	3769	3784	3779	3781	3785	3784	3784	3744	3693	3773	3707	3756	3701	3701	3744	3694
60	2136	2144	2153	2153	2151	2143	2129	2105	2099	2102	2110	2127	2149	2140	2113	2098	2116	2139	2110
65	1331	1311	1278	1221	1130	1023	952	927	925	918	916	920	935	957	951	954	952	960	958
70	712	712	708	689	651	589	514	433	344	303	287	282	276	275	278	242	183	159	186
75	149	160	172	178	199	215	216	201	176	157	145	138	135	133	115	91.2	91.9	96.4	92.7
80	59.7	63.4	65.1	62.6	61.0	61.3	60.1	56.0	56.3	63.9	70.6	75.1	77.2	76.4	63.6	60.4	58.3	58.9	58.2
85	32.6	34.4	35.2	33.9	33.1	33.3	32.5	30.4	30.8	31.9	32.9	33.2	32.3	29.7	28.1	27.8	22.0	13.3	22.3
90	5.39	5.37	5.35	5.32	5.29	5.28	5.28	5.28	5.32	5.37	5.44	5.54	5.64	5.81	6.07	6.11	6.21	4.19	5.96

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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: cd

γ (DEG) \ C(DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420
5	3447	3450	3454	3456	3459	3460	3462	3463	3464	3465	3465	3466	3466	3466	3465	3465	3465	3465	3465
10	3527	3532	3537	3539	3540	3540	3539	3536	3533	3530	3526	3522	3519	3515	3513	3511	3510	3511	3513
15	3655	3661	3663	3663	3660	3655	3648	3651	3654	3656	3657	3656	3655	3654	3653	3652	3650	3652	3653
20	3821	3824	3822	3816	3811	3821	3827	3828	3827	3823	3817	3812	3806	3801	3797	3793	3791	3793	3797
25	4019	4018	4008	4011	4023	4028	4027	4022	4012	4013	4016	4017	4016	4014	4011	4008	4005	4008	4011
30	4257	4251	4250	4261	4262	4257	4252	4261	4264	4264	4259	4253	4246	4238	4230	4224	4218	4224	4230
35	4522	4513	4530	4531	4520	4531	4539	4538	4531	4519	4528	4535	4537	4536	4532	4527	4522	4527	4532
40	4838	4846	4854	4840	4851	4858	4851	4837	4844	4855	4861	4861	4858	4850	4841	4833	4827	4833	4841
45	5200	5202	5206	5173	5184	5199	5099	5108	5150	5182	5178	5179	5172	5175	5173	5172	5169	5172	5173
50	5135	5124	5087	5053	5097	4890	4953	5138	5085	5077	5101	5046	5027	5000	4996	5000	5001	5000	4996
55	3691	3748	3684	3742	3676	3700	3745	3762	3768	3772	3775	3788	3769	3751	3740	3734	3733	3734	3740
60	2104	2112	2120	2129	2094	2069	2062	2071	2089	2118	2137	2149	2149	2153	2146	2138	2133	2138	2146
65	973	972	979	960	941	933	929	933	930	948	1012	1133	1234	1289	1319	1335	1339	1335	1319
70	245	280	277	281	288	293	308	348	428	512	583	649	695	713	715	714	712	714	715
75	91.6	114	132	134	137	146	160	179	199	215	213	198	177	171	159	149	146	149	159
80	60.9	64.2	76.2	76.4	74.4	70.5	64.8	57.6	56.6	59.6	60.6	60.1	60.8	63.6	62.2	59.3	58.8	59.3	62.2
85	27.8	27.6	28.8	31.8	32.7	33.0	32.6	31.8	31.1	32.5	33.2	32.9	33.2	34.6	33.9	32.4	32.1	32.4	33.9
90	5.86	5.62	5.44	5.94	6.13	6.07	5.99	5.94	5.89	5.84	5.78	5.73	5.65	5.58	5.50	5.44	5.41	5.44	5.50

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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: cd

γ (DEG) \ C(DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420	3420				
5	3466	3466	3466	3465	3465	3464	3463	3462	3460	3459	3456	3454	3450	3447	3443				
10	3515	3519	3522	3526	3530	3533	3536	3539	3540	3540	3539	3537	3532	3527	3519				
15	3654	3655	3656	3657	3656	3654	3651	3648	3655	3660	3663	3663	3661	3655	3646				
20	3801	3806	3812	3817	3823	3827	3828	3827	3821	3811	3816	3822	3824	3821	3812				
25	4014	4016	4017	4016	4013	4012	4022	4027	4028	4023	4011	4008	4018	4019	4012				
30	4238	4246	4253	4259	4264	4264	4261	4252	4257	4262	4261	4250	4251	4257	4251				
35	4536	4537	4535	4528	4519	4531	4538	4539	4531	4520	4531	4530	4513	4522	4519				
40	4850	4858	4861	4861	4855	4844	4837	4851	4858	4851	4840	4854	4846	4838	4839				
45	5175	5172	5179	5178	5182	5150	5108	5099	5199	5184	5173	5206	5202	5200	5204				
50	5000	5027	5046	5101	5077	5085	5138	4953	4890	5097	5053	5087	5124	5135	5128				
55	3751	3769	3788	3775	3772	3768	3762	3745	3700	3676	3742	3684	3748	3691	3694				
60	2153	2149	2149	2137	2118	2089	2071	2062	2069	2094	2129	2120	2112	2104	2110				
65	1289	1234	1133	1012	948	930	933	929	933	941	960	979	972	973	958				
70	713	695	649	583	512	428	348	308	293	288	281	277	280	245	186				
75	171	177	198	213	215	199	179	160	146	137	134	132	114	91.6	92.7				
80	63.6	60.8	60.1	60.6	59.6	56.6	57.6	64.8	70.5	74.4	76.4	76.2	64.2	60.9	58.2				
85	34.6	33.2	32.9	33.2	32.5	31.1	31.8	32.6	33.0	32.7	31.8	28.8	27.6	27.8	22.3				
90	5.58	5.65	5.73	5.78	5.84	5.89	5.94	5.99	6.07	6.13	5.94	5.44	5.62	5.86	5.96				

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2017-04-24

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: