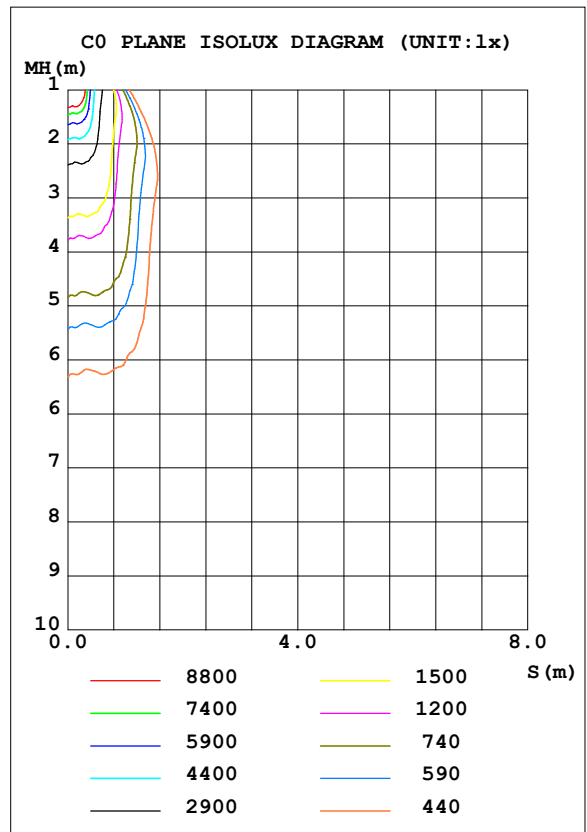
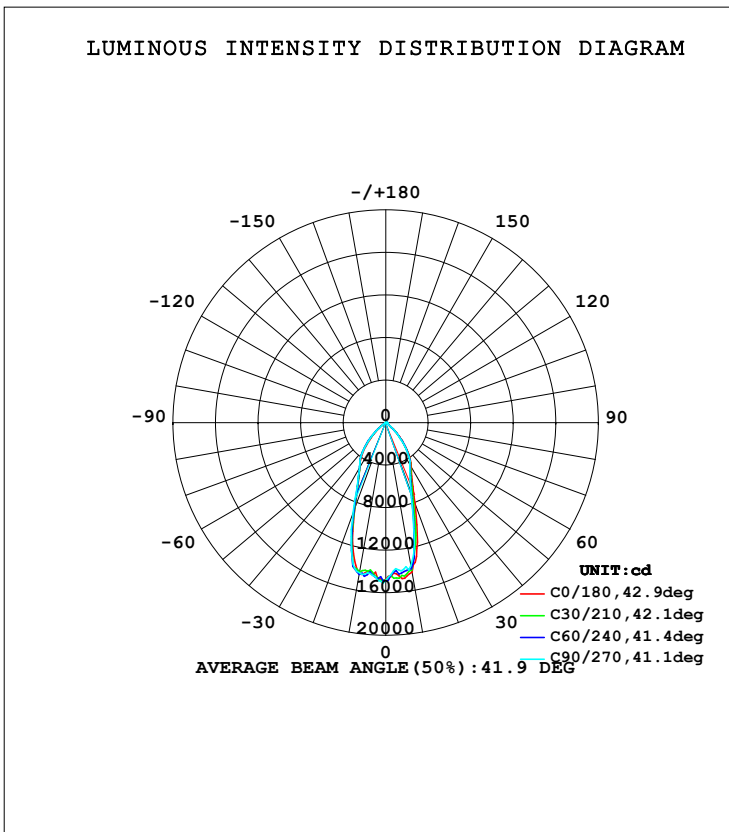


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.26 lm/W			
MODEL		I _{max} (cd)	15214	S/MH (C0/180)	0.71
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.73
RATED VOLTAGE (V)		TOTAL FLUX (lm)	11584	η UP, DN (C0-180)	0.2, 47.3
NOMINAL FLUX (lm)	11583.8	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 52.3
LAMPS INSIDE	1	η up (%)	0.4	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)		η down (%)	99.6	CIBSE SHR MAX	0.70



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: yu
 Test Date: 2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 8.000m [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
10	1429	1420	1366	1352	1436	1428	1435	1386	0- 10	1354	1354	11.7,11.7
20	801.3	735.4	696.9	770.5	847.6	851.4	897.0	872.5	10- 20	3144	4498	38.8,38.8
30	479.3	465.2	455.7	471.4	492.9	495.1	499.0	490.5	20- 30	2775	7273	62.8,62.8
40	279.6	271.3	265.8	260.3	297.9	319.6	317.9	306.3	30- 40	2442	9715	83.9,83.9
50	76.83	72.90	67.59	65.48	94.10	113.2	111.6	100.3	40- 50	1405	11120	96,96
60	10.64	9.912	9.483	9.988	7.754	7.436	7.374	7.432	50- 60	258.2	11378	98.2,98.2
70	7.723	7.420	7.339	7.535	4.321	4.119	4.101	4.095	60- 70	71.06	11449	98.8,98.8
80	5.749	5.745	5.695	5.782	2.490	2.332	2.364	2.287	70- 80	51.59	11501	99.3,99.3
90	4.999	4.959	4.857	5.031	2.169	2.008	1.970	2.140	80- 90	40.35	11541	99.6,99.6
100	5.008	5.110	5.011	5.164	3.227	2.893	2.974	3.065	90-100	40.55	11582	100,100
110	0	0	0	0	0	0	0	0	100-110	2.181	11584	100,100
120	0	0	0	0	0	0	0	0	110-120	0	11584	100,100
130	0	0	0	0	0	0	0	0	120-130	0	11584	100,100
140	0	0	0	0	0	0	0	0	130-140	0	11584	100,100
150	0	0	0	0	0	0	0	0	140-150	0	11584	100,100
160	0	0	0	0	0	0	0	0	150-160	0	11584	100,100
170	0	0	0	0	0	0	0	0	160-170	0	11584	100,100
180	0	0	0	0	0	0	0	0	170-180	0	11584	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

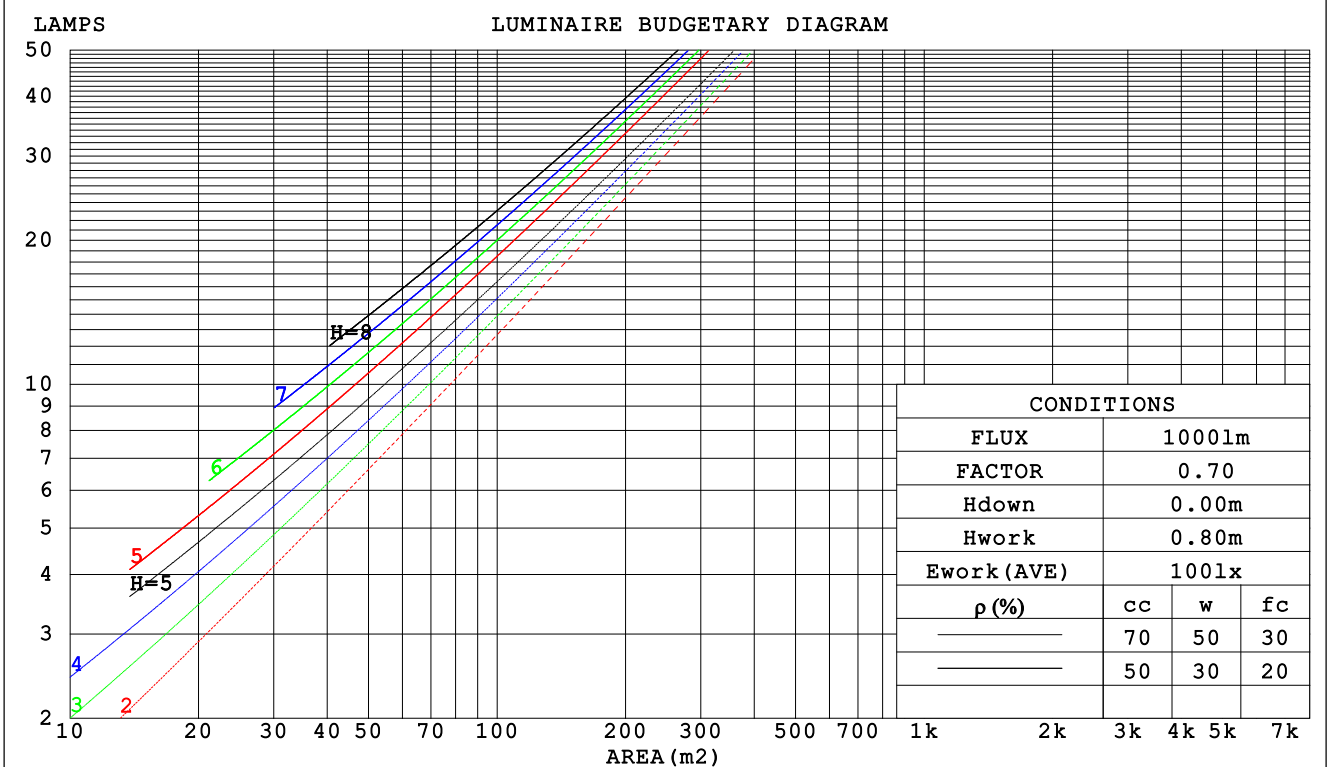
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	.00	.98	.97	.96	.95	.94	.92
2.0	1.02	.98	.94	1.00	.96	.93	.97	.94	.91	.94	.91	.89	.91	.89	.87	.85
3.0	.94	.89	.85	.93	.88	.84	.90	.86	.83	.88	.84	.82	.86	.83	.80	.79
4.0	.88	.82	.78	.87	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.74	.73
5.0	.82	.76	.71	.81	.75	.71	.79	.74	.70	.77	.73	.70	.76	.72	.69	.67
6.0	.77	.70	.66	.76	.70	.66	.74	.69	.65	.73	.68	.65	.71	.67	.64	.63
7.0	.72	.66	.61	.71	.65	.61	.70	.65	.61	.69	.64	.60	.67	.63	.60	.59
8.0	.68	.61	.57	.67	.61	.57	.66	.61	.57	.65	.60	.56	.64	.59	.56	.55
9.0	.64	.58	.54	.63	.57	.53	.62	.57	.53	.61	.56	.53	.60	.56	.53	.51
10.0	.60	.54	.50	.60	.54	.50	.59	.54	.50	.58	.53	.50	.57	.53	.50	.48



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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 Coefficients (WEC)									
0.0																
1.0	.190	.108	.034	.183	.104	.033	.170	.098	.031	.158	.091	.029	.147	.085	.028	
2.0	.181	.099	.030	.176	.097	.030	.165	.092	.028	.155	.087	.027	.145	.082	.026	
3.0	.172	.092	.027	.167	.090	.027	.158	.086	.026	.149	.082	.025	.141	.078	.024	
4.0	.164	.085	.025	.160	.083	.025	.151	.080	.024	.144	.077	.023	.137	.074	.023	
5.0	.156	.079	.023	.152	.078	.023	.145	.075	.022	.138	.073	.022	.132	.071	.021	
6.0	.148	.074	.021	.145	.073	.021	.139	.071	.021	.133	.069	.020	.127	.067	.020	
7.0	.141	.070	.020	.138	.069	.020	.133	.067	.019	.128	.065	.019	.123	.064	.019	
8.0	.135	.066	.019	.132	.065	.018	.127	.064	.018	.123	.062	.018	.118	.061	.018	
9.0	.129	.062	.017	.126	.062	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	
10.0	.123	.059	.016	.121	.058	.016	.117	.057	.016	.113	.056	.016	.110	.055	.016	

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.175	.160	.147	.150	.137	.126	.102	.094	.087	.059	.055	.051	.019	.018	.016	
2.0	.160	.135	.114	.137	.116	.099	.094	.081	.069	.054	.047	.040	.017	.015	.013	
3.0	.149	.117	.091	.127	.101	.079	.087	.070	.055	.050	.041	.033	.016	.013	.011	
4.0	.139	.102	.074	.119	.088	.064	.082	.061	.045	.047	.036	.027	.015	.012	.009	
5.0	.130	.091	.061	.112	.078	.053	.077	.055	.038	.045	.032	.022	.014	.010	.007	
6.0	.123	.081	.051	.106	.070	.045	.073	.049	.032	.042	.029	.019	.014	.009	.006	
7.0	.117	.074	.044	.100	.064	.038	.069	.045	.027	.040	.026	.016	.013	.009	.005	
8.0	.111	.068	.038	.095	.059	.033	.066	.041	.024	.038	.024	.014	.012	.008	.005	
9.0	.106	.063	.033	.091	.054	.029	.063	.038	.021	.037	.023	.012	.012	.007	.004	
10.0	.101	.058	.030	.087	.051	.026	.060	.036	.018	.035	.021	.011	.011	.007	.004	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm										
NAME: HL-100W-50°					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			PROTECTION ANGLE:		
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	21.4	22.4	21.6	22.5	22.7	21.2	22.2	21.5	22.4	22.6
3H	21.3	22.2	21.5	22.4	22.6	21.1	22.0	21.4	22.2	22.5
4H	21.2	22.1	21.5	22.3	22.6	21.1	22.0	21.4	22.2	22.4
6H	21.2	22.0	21.5	22.3	22.6	21.1	21.9	21.4	22.2	22.4
8H	21.3	22.0	21.6	22.3	22.6	21.1	21.9	21.4	22.2	22.4
12H	21.3	22.1	21.6	22.3	22.6	21.2	21.9	21.5	22.2	22.5
4H 2H	21.1	22.0	21.4	22.2	22.5	21.0	21.9	21.3	22.1	22.3
3H	21.1	21.8	21.4	22.1	22.4	20.9	21.7	21.2	21.9	22.2
4H	21.1	21.7	21.4	22.0	22.4	20.9	21.6	21.3	21.9	22.2
6H	21.1	21.7	21.5	22.1	22.4	21.0	21.6	21.4	21.9	22.3
8H	21.2	21.8	21.6	22.1	22.5	21.1	21.6	21.5	22.0	22.4
12H	21.3	21.8	21.8	22.2	22.6	21.2	21.7	21.6	22.1	22.5
8H 4H	21.0	21.5	21.4	21.9	22.3	20.8	21.4	21.2	21.7	22.1
6H	21.1	21.6	21.5	22.0	22.4	21.0	21.4	21.4	21.8	22.3
8H	21.3	21.7	21.7	22.1	22.5	21.1	21.5	21.6	22.0	22.4
12H	21.5	21.9	22.0	22.3	22.8	21.4	21.8	21.9	22.2	22.7
12H 4H	20.9	21.4	21.4	21.8	22.2	20.8	21.3	21.2	21.7	22.1
6H	21.1	21.5	21.6	21.9	22.4	21.0	21.4	21.4	21.8	22.2
8H	21.3	21.6	21.8	22.1	22.6	21.2	21.5	21.6	22.0	22.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 5.2					+ 2.2 / - 5.2				
1.5H	+ 3.3 / - 6.1					+ 3.2 / - 6.0				
2.0H	+ 5.6 / - 3.5					+ 5.4 / - 3.4				

CIE Pub.117 Corrected 11584 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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) $k(RI) \times RCR = 5$									
k = 0.60	81	74	70	81	74	69	80	73	69	65
0.80	90	83	78	89	82	78	88	82	78	74
1.00	95	89	85	94	88	84	93	88	84	79
1.25	100	94	90	99	93	90	97	92	89	84
1.50	103	98	94	102	97	93	100	95	92	87
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	100	98	92
3.00	110	106	103	108	105	102	105	102	100	93
4.00	113	109	107	110	108	105	107	104	103	95
5.00	114	111	109	112	109	107	108	106	104	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

10578 lm

%lum = 91.3%

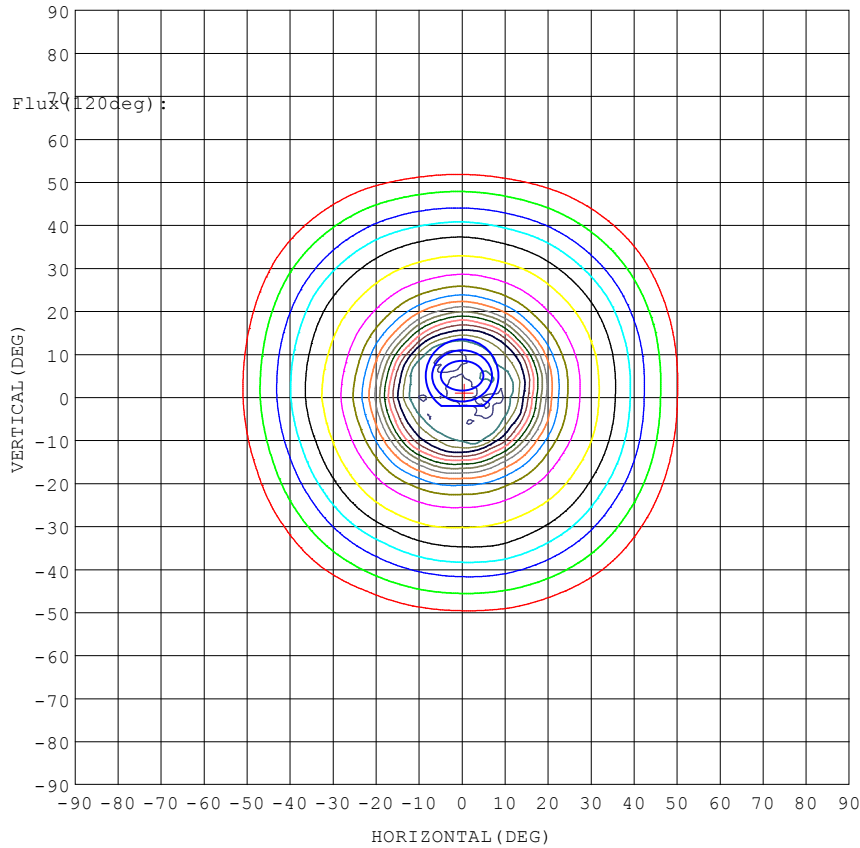
%lamp = 91.3%

Conical surface Flux(120deg):

11378 lm

%lum = 98.2%

%lamp = 98.2%



- 5% 754.6
- 10% 1509
- 15% 2264
- 20% 3018
- 25% 3773
- 30% 4528
- 35% 5282
- 40% 6037
- 45% 6791
- 50% 7546
- 55% 8301
- 60% 9055
- 65% 9810
- 70% 10564
- 75% 11319
- 80% 12073
- 85% 12828
- 90% 13583
- 95% 14337

- 1. AVG=14276,MIN=13387
- 2. AVG=14266,MIN=13387
- 3. AVG=14190,MIN=13376

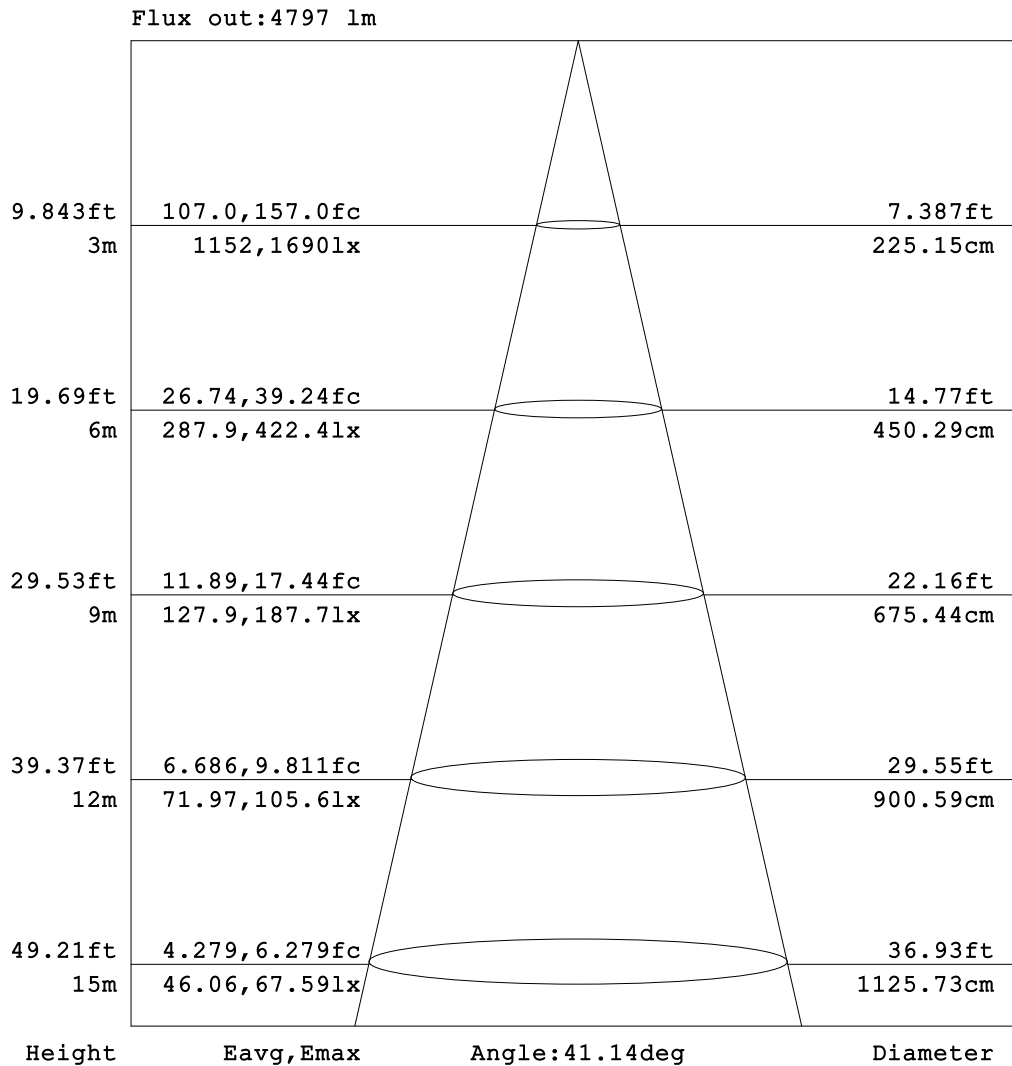
Imax:15092 (H0.5,V1.0)
 (At:C=285.0,Gamma=1.0)
 UNIT: cd

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

AAI Figure

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



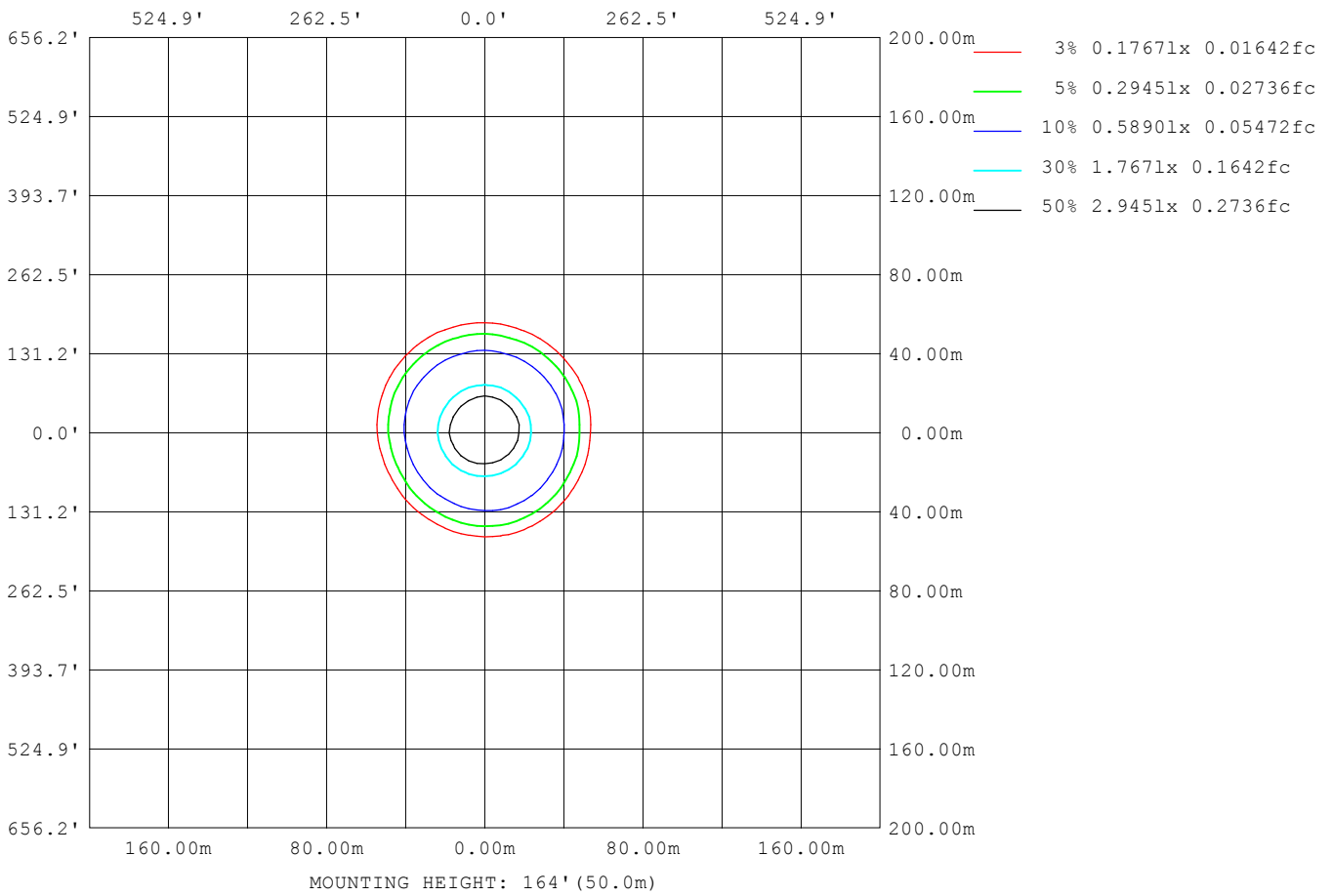
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

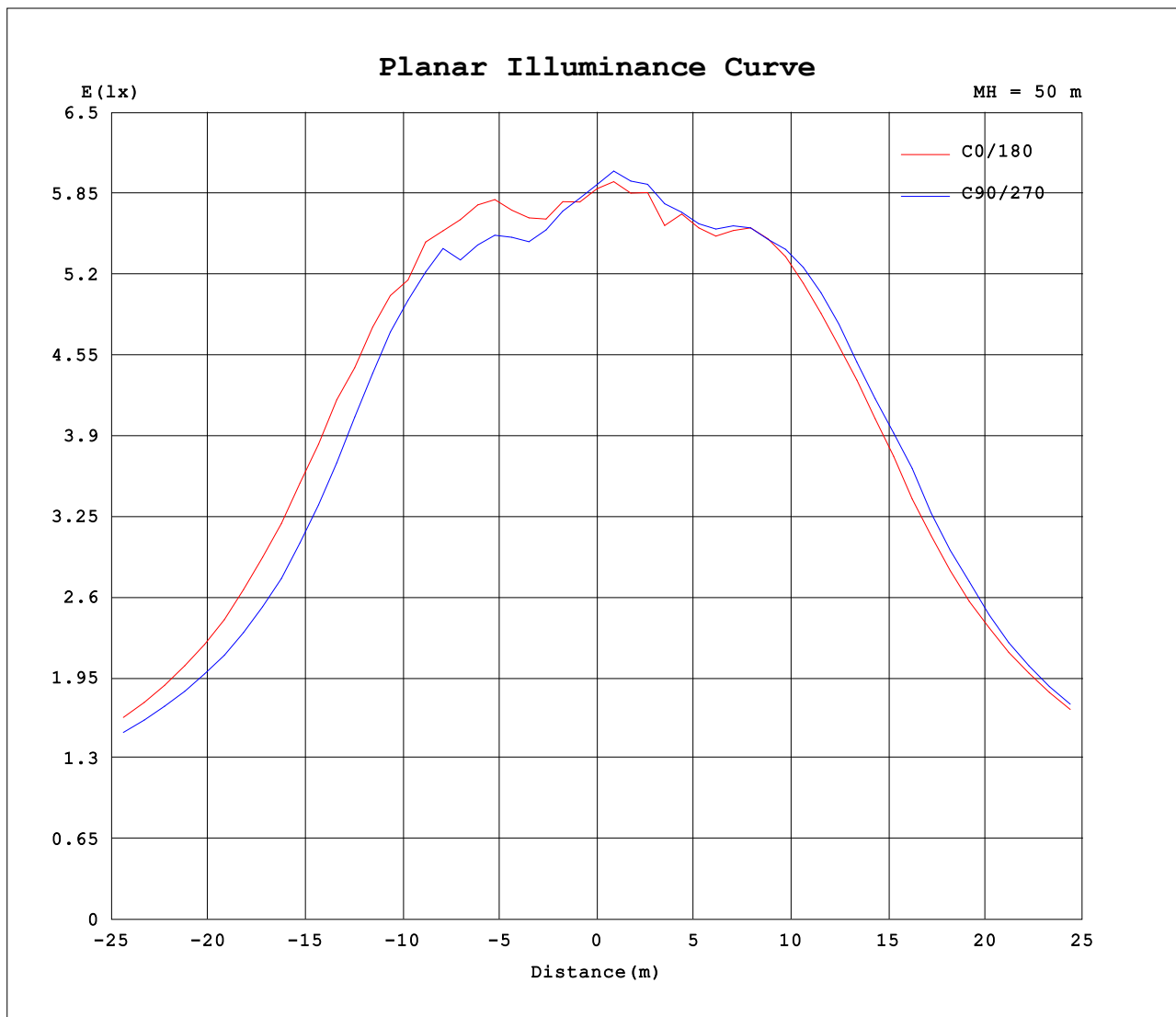
Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operator: yu
 Test Date: 2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity: 65.0%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1472	1485	1483	1489	1489	1480	1481	1476	1477	1478	1475	1488	1472	1485	1483	1489	1489	1480	1481
5	1446	1427	1469	1443	1430	1412	1390	1392	1385	1390	1393	1418	1438	1411	1415	1424	1440	1433	1441
10	1429	1421	1409	1420	1393	1402	1366	1352	1341	1352	1372	1403	1436	1417	1429	1428	1448	1481	1435
15	1162	1132	1098	1074	1028	1030	1021	1058	1082	1124	1135	1157	1206	1201	1236	1250	1246	1232	1246
20	801	785	751	735	710	704	697	719	737	770	789	809	848	845	858	851	876	880	897
25	588	581	565	560	549	544	540	549	559	576	582	592	615	610	618	618	625	625	631
30	479	476	468	465	459	458	456	462	464	471	473	478	493	491	495	495	499	495	499
35	391	386	379	381	379	382	371	370	366	372	375	383	408	412	425	424	425	424	422
40	280	276	271	271	274	273	266	262	255	260	261	273	298	310	320	320	322	317	318
45	172	169	163	164	166	165	162	158	155	157	160	169	188	196	206	208	212	207	205
50	76.8	73.9	70.3	72.9	70.4	73.0	67.6	66.5	60.1	65.5	66.2	73.7	94.1	103	113	113	119	111	112
55	13.9	13.5	13.8	12.5	14.3	12.1	13.2	12.1	12.3	12.7	13.0	13.5	17.5	19.8	28.2	26.7	30.7	26.8	27.8
60	10.6	10.5	10.1	9.91	9.65	9.56	9.48	9.61	9.74	9.99	10.2	10.5	7.75	7.63	7.61	7.44	7.43	7.31	7.37
65	9.02	8.91	8.69	8.53	8.36	8.32	8.28	8.37	8.45	8.60	8.73	8.93	5.84	5.72	5.79	5.59	5.64	5.48	5.52
70	7.72	7.65	7.50	7.42	7.34	7.36	7.34	7.40	7.44	7.53	7.60	7.70	4.32	4.24	4.27	4.12	4.24	4.06	4.10
75	6.64	6.60	6.53	6.53	6.49	6.52	6.49	6.53	6.55	6.63	6.65	6.71	3.26	3.15	3.16	3.04	3.15	3.01	3.05
80	5.75	5.77	5.73	5.75	5.72	5.73	5.69	5.74	5.73	5.78	5.80	5.86	2.49	2.39	2.37	2.33	2.44	2.32	2.36
85	5.19	5.20	5.22	5.30	5.35	5.42	5.42	5.46	5.45	5.43	5.34	5.32	2.07	2.06	2.01	1.98	2.09	1.96	1.91
90	5.00	5.01	5.05	4.96	4.88	4.87	4.86	4.88	4.88	5.03	5.23	5.41	2.17	2.15	2.12	2.01	2.03	1.87	1.97
95	4.96	4.97	5.01	4.97	4.98	4.92	4.84	4.85	4.86	4.90	4.96	4.93	2.50	2.50	2.38	2.38	2.43	2.33	2.36
100	5.01	5.19	5.15	5.11	5.06	5.04	5.01	5.01	5.04	5.16	5.23	5.34	3.23	2.95	2.86	2.89	2.88	2.90	2.97
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.3V I:0.4760A P:100.5W PF:0.9580 Lamp Flux:11583.8x1 lm		
NAME: HL-100W-50°	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1476	1477	1478	1475	1488														
5	1401	1413	1401	1377	1365														
10	1426	1412	1386	1391	1419														
15	1255	1244	1246	1238	1213														
20	892	891	873	870	846														
25	623	619	609	612	607														
30	495	495	490	492	488														
35	413	414	410	410	405														
40	311	312	306	307	296														
45	197	200	193	192	184														
50	106	104	100	96.7	92.0														
55	20.6	22.3	18.6	18.5	15.2														
60	7.28	7.40	7.43	7.74	7.58														
65	5.40	5.59	5.54	5.78	5.70														
70	4.18	4.10	4.09	4.37	4.29														
75	3.01	3.00	3.01	3.30	3.26														
80	2.22	2.25	2.29	2.51	2.49														
85	1.85	1.93	2.03	2.16	2.13														
90	1.96	1.90	2.14	2.25	2.02														
95	2.17	2.34	2.57	2.62	2.31														
100	2.94	2.88	3.06	3.13	3.04														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:yu
 Test Date:2016-10-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.287
 Humidity:65.0%
 Test Distance:8.000m [K=1.0000]
 Remarks: