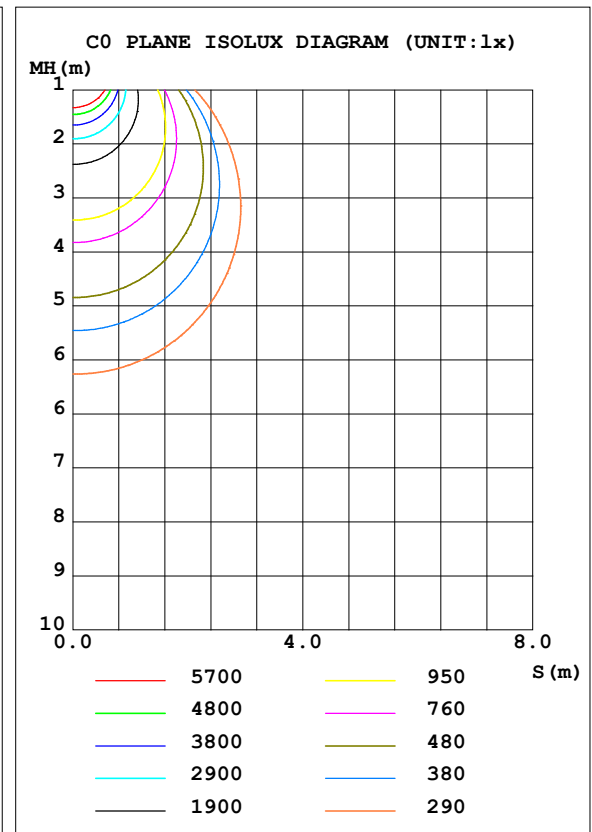
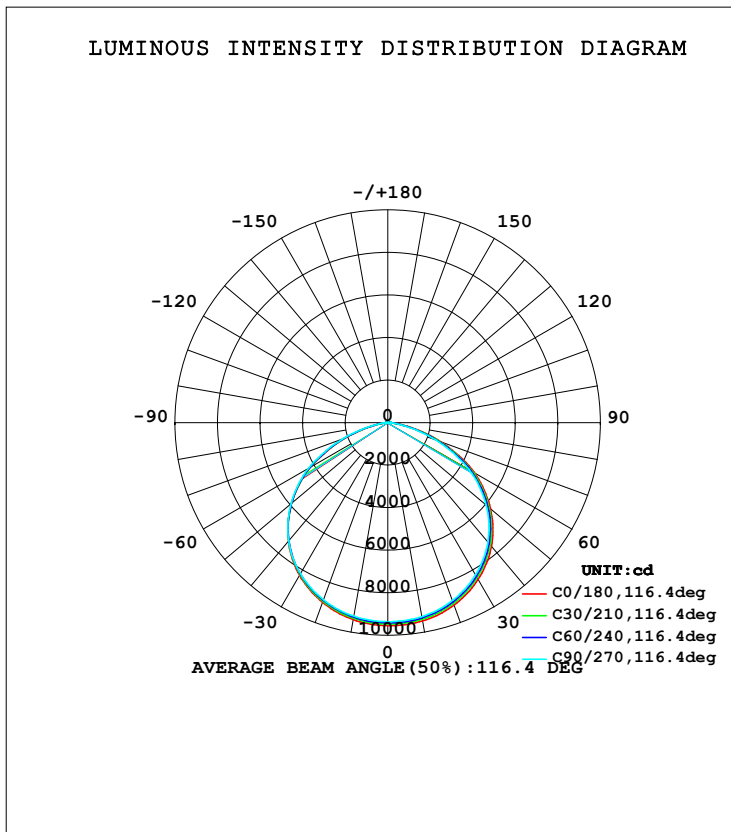


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.91 lm/W			
MODEL		I _{max} (cd)	9546	S/MH (C0/180)	1.29
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.30
RATED VOLTAGE (V)		TOTAL FLUX (lm)	27333	η UP, DN (C0-180)	0.3, 50.6
NOMINAL FLUX (lm)	27333.2	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.2, 48.9
LAMPS INSIDE	1	η up (%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	99.5	CIBSE SHR MAX	1.35



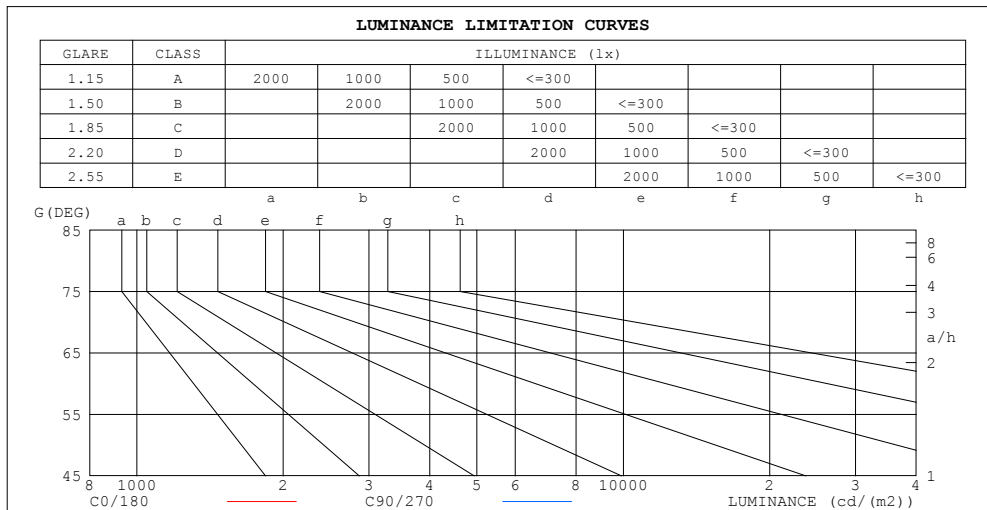
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YU
 Test Date: 2016-08-11

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
AND LUMINANCE LIMITATION CURVES**

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	9463	9354	9256	9182	9400	9303	9238	9174	0- 10	890.2	890.2	3.26,3.26
20	9125	9013	8897	8820	8987	8902	8858	8805	10- 20	2576	3466	12.7,12.7
30	8503	8389	8260	8183	8294	8226	8210	8165	20- 30	3972	7438	27.2,27.2
40	7586	7471	7323	7238	7273	7227	7252	7225	30- 40	4892	12330	45.1,45.1
50	6309	6199	6034	5955	5909	5889	5947	5933	40- 50	5160	17490	64,64
60	4689	4583	4414	4340	4208	4207	4307	4310	50- 60	4665	22155	81.1,81.1
70	2664	2561	2412	2343	2132	2187	2289	2322	60- 70	3322	25477	93.2,93.2
80	786.2	725.0	630.5	588.1	416.9	457.0	526.5	560.9	70- 80	1483	26960	98.6,98.6
90	125.5	123.9	122.8	122.4	89.82	86.81	85.94	84.34	80- 90	246.8	27207	99.5,99.5
100	136.6	136.0	134.9	134.6	100.8	97.17	97.39	94.93	90-100	120.4	27327	100,100
110	0	0	0	0	0	0	0	0	100-110	6.260	27333	100,100
120	0	0	0	0	0	0	0	0	110-120	0	27333	100,100
130	0	0	0	0	0	0	0	0	120-130	0	27333	100,100
140	0	0	0	0	0	0	0	0	130-140	0	27333	100,100
150	0	0	0	0	0	0	0	0	140-150	0	27333	100,100
160	0	0	0	0	0	0	0	0	150-160	0	27333	100,100
170	0	0	0	0	0	0	0	0	160-170	0	27333	100,100
180	0	0	0	0	0	0	0	0	170-180	0	27333	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	68705	50911
80	109631	87920
75	154600	132924
70	188618	170786
65	211806	195097
60	227076	213775
55	233939	222156
50	237670	227308
45	239460	230194

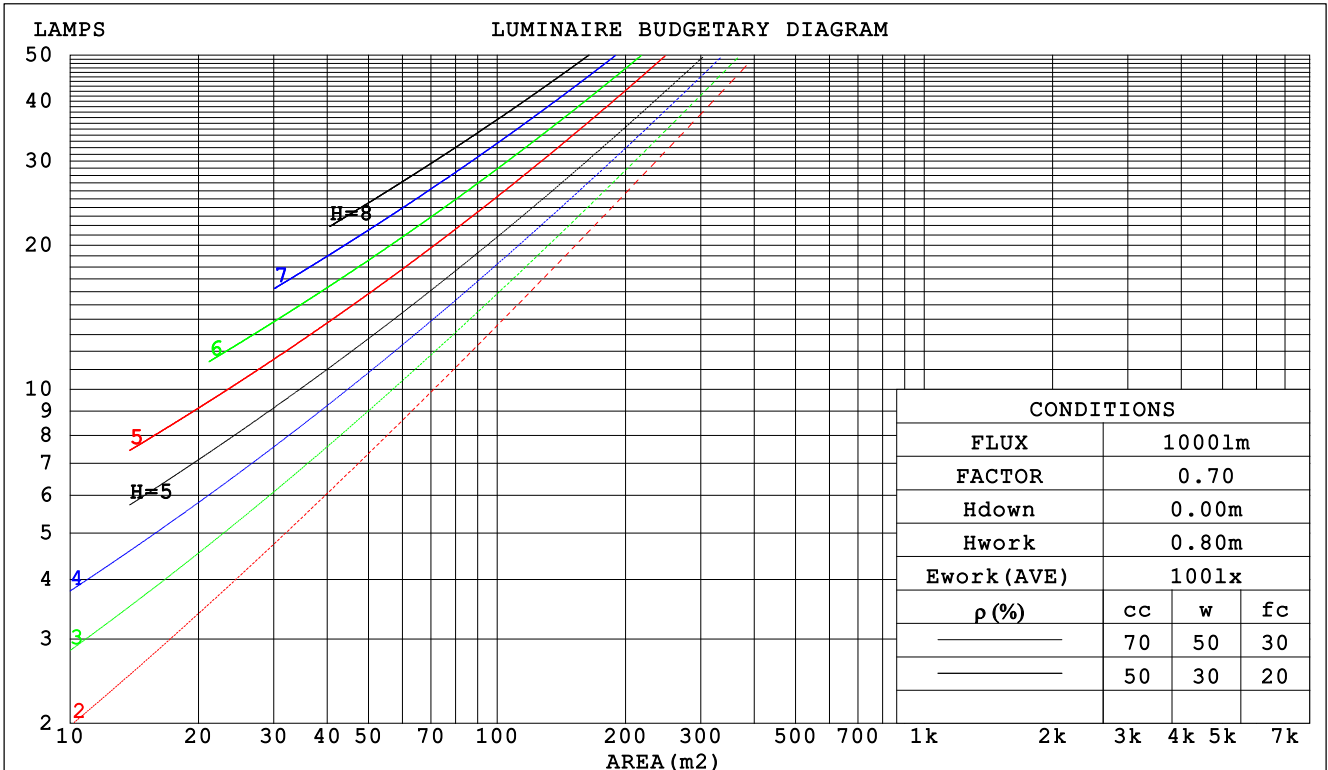
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	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	1.05	1.01	.97	1.02	.99	.95	.98	.95	.92	.94	.92	.89	.90	.88	.87	.84
2.0	.91	.85	.79	.90	.83	.78	.86	.81	.76	.83	.78	.75	.79	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.67	.63	.70	.66	.62	.60
4.0	.71	.62	.56	.70	.62	.55	.67	.60	.55	.65	.59	.54	.63	.57	.53	.51
5.0	.63	.55	.48	.62	.54	.48	.60	.53	.47	.58	.52	.47	.56	.51	.46	.44
6.0	.57	.48	.42	.56	.48	.42	.54	.47	.41	.52	.46	.41	.51	.45	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.48	.41	.36	.46	.40	.36	.34
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.32	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.43	.35	.29	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.293	.167	.053	.286	.163	.052	.272	.156	.050	.260	.150	.048	.248	.144	.046	
2.0	.281	.154	.047	.275	.151	.047	.263	.146	.045	.252	.141	.044	.242	.137	.043	
3.0	.263	.140	.042	.258	.138	.042	.247	.134	.041	.237	.130	.040	.228	.126	.039	
4.0	.245	.127	.037	.240	.125	.037	.230	.122	.036	.222	.119	.036	.214	.116	.035	
5.0	.227	.116	.034	.223	.114	.033	.215	.112	.033	.207	.109	.032	.200	.107	.032	
6.0	.211	.106	.030	.208	.105	.030	.200	.103	.030	.193	.100	.030	.187	.098	.029	
7.0	.197	.098	.028	.194	.097	.028	.187	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.185	.090	.025	.181	.089	.025	.175	.088	.025	.170	.086	.025	.165	.085	.025	
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.163	.078	.022	.160	.077	.022	.156	.076	.021	.151	.075	.021	.147	.074	.021	

ρ _{cc}	80%			70%			50%			30%			10%			0
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.183	.160	.139	.156	.137	.120	.107	.094	.083	.062	.055	.048	.020	.018	.016	
2.0	.174	.136	.103	.149	.117	.089	.102	.081	.062	.059	.047	.036	.019	.015	.012	
3.0	.167	.118	.079	.143	.102	.068	.098	.071	.048	.057	.041	.028	.018	.013	.009	
4.0	.159	.105	.063	.137	.090	.054	.094	.063	.038	.054	.037	.023	.018	.012	.007	
5.0	.152	.094	.051	.131	.081	.045	.090	.057	.031	.052	.033	.019	.017	.011	.006	
6.0	.145	.086	.043	.125	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.037	.119	.068	.032	.082	.048	.023	.048	.028	.014	.015	.009	.005	
8.0	.132	.073	.033	.114	.063	.028	.079	.045	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.029	.109	.059	.025	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.121	.064	.026	.104	.055	.023	.072	.039	.016	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm										
NAME: HL-200W					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	32.1	33.6	32.4	33.8	34.0	31.9	33.4	32.2	33.6	33.8
3H	33.5	34.9	33.8	35.1	35.3	33.2	34.5	33.5	34.8	35.0
4H	33.9	35.2	34.2	35.5	35.8	33.5	34.8	33.9	35.1	35.4
6H	34.1	35.4	34.5	35.6	35.9	33.7	34.9	34.0	35.2	35.5
8H	34.1	35.3	34.5	35.6	35.9	33.7	34.9	34.0	35.2	35.5
12H	34.1	35.3	34.5	35.6	35.9	33.6	34.8	34.0	35.1	35.4
4H 2H	32.7	34.0	33.0	34.2	34.5	32.5	33.8	32.8	34.1	34.3
3H	34.2	35.3	34.5	35.6	35.9	33.9	35.1	34.3	35.4	35.7
4H	34.7	35.7	35.1	36.1	36.4	34.4	35.4	34.8	35.7	36.1
6H	35.0	35.9	35.4	36.3	36.6	34.6	35.5	35.0	35.9	36.2
8H	35.0	35.9	35.5	36.3	36.7	34.6	35.5	35.0	35.8	36.2
12H	35.0	35.8	35.5	36.2	36.6	34.6	35.4	35.0	35.8	36.2
8H 4H	34.8	35.7	35.3	36.1	36.5	34.5	35.4	35.0	35.8	36.2
6H	35.2	35.9	35.7	36.3	36.8	34.8	35.5	35.3	36.0	36.4
8H	35.3	35.9	35.8	36.3	36.8	34.9	35.5	35.4	36.0	36.4
12H	35.3	35.9	35.8	36.3	36.8	34.9	35.4	35.4	35.9	36.4
12H 4H	34.8	35.6	35.3	36.0	36.4	34.5	35.3	35.0	35.7	36.1
6H	35.2	35.8	35.7	36.3	36.7	34.8	35.5	35.3	35.9	36.4
8H	35.3	35.8	35.8	36.3	36.8	34.9	35.4	35.4	35.9	36.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.5				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 27333 lm Total Lamp Luminous Flux. (8log(F/F0) = 11.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	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	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	77	66	58	75	65	58	73	66	57	50
1.25	84	73	66	82	73	66	80	71	65	58
1.50	89	79	72	87	78	72	84	76	71	63
2.00	96	87	81	94	86	80	90	84	79	71
2.50	100	92	86	97	91	85	94	88	83	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	104	101	107	103	99	102	99	96	87
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:2016-08-11

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

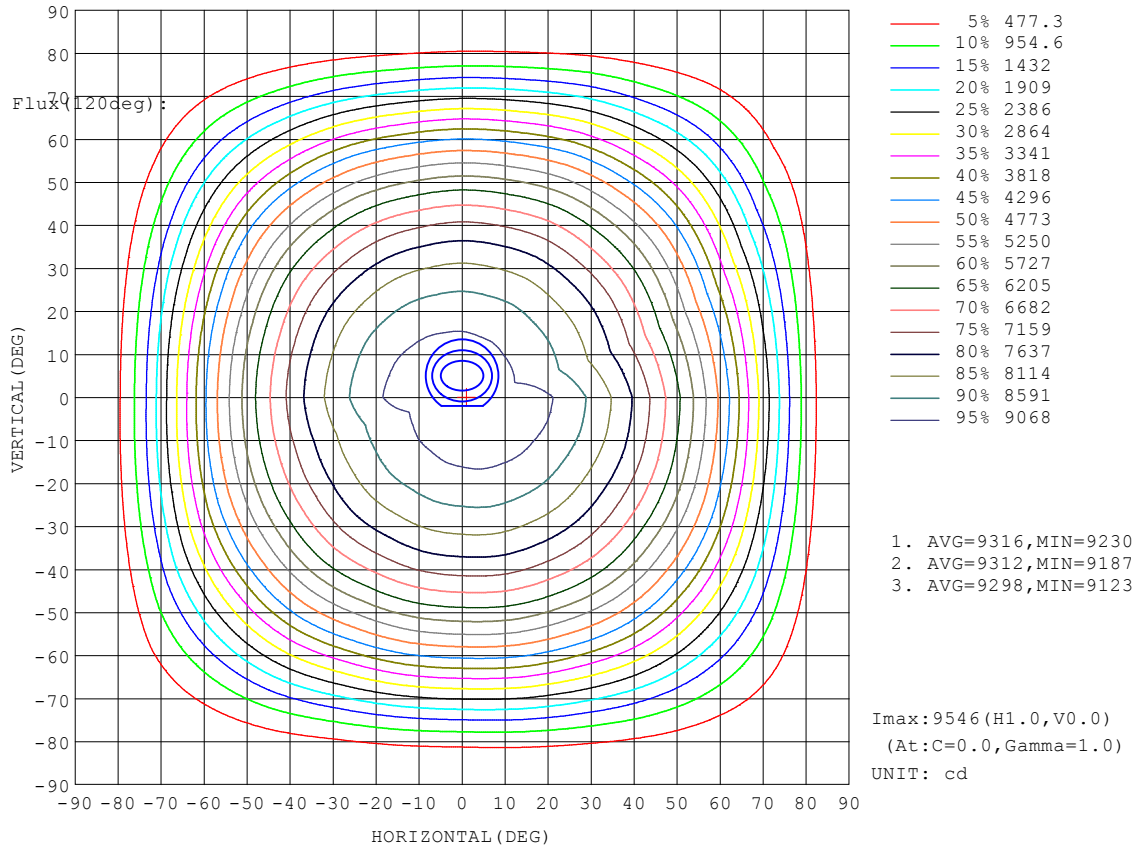
Test:U:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

14923 lm
 %lum = 54.6%
 %lamp = 54.6%

Conical surface Flux(20deg):

22155 lm
 %lum = 81.1%
 %lamp = 81.1%

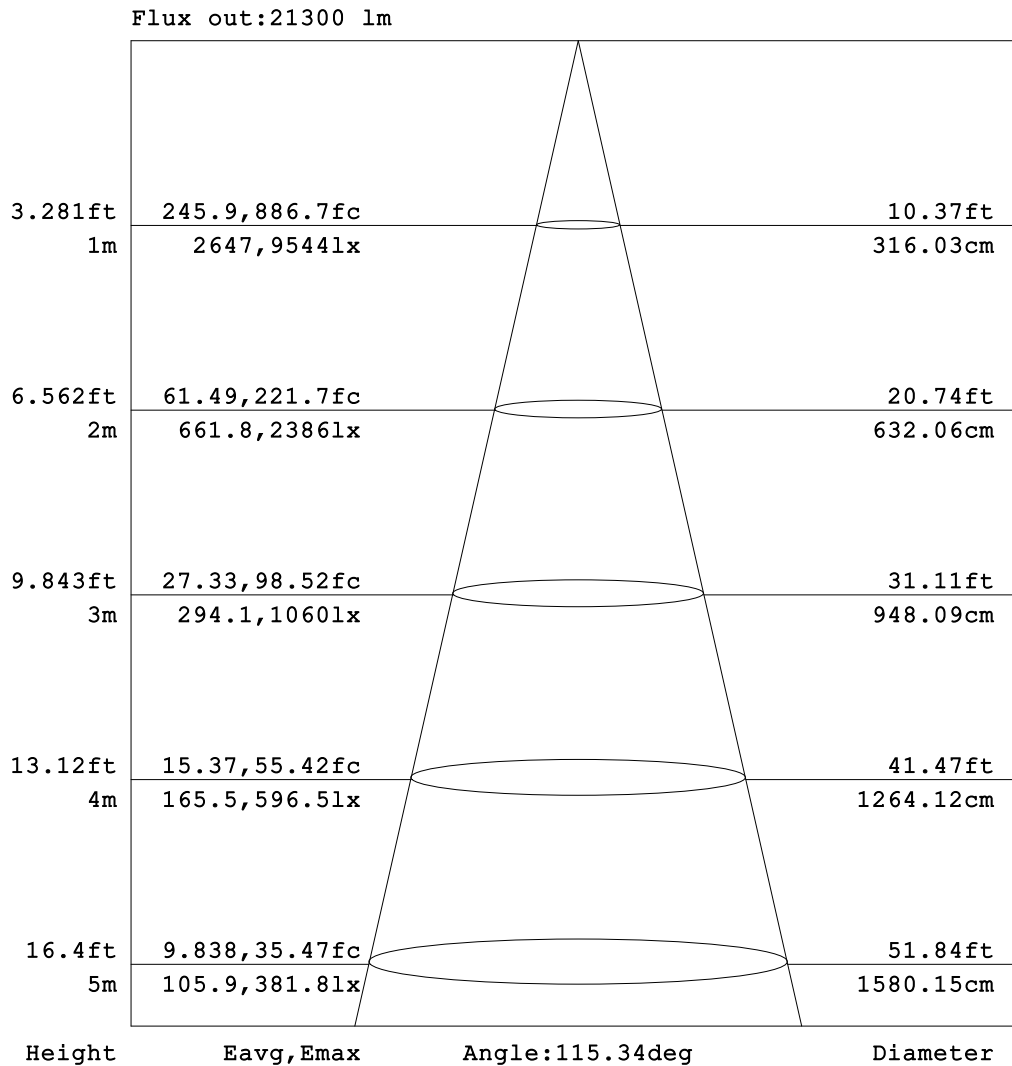


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



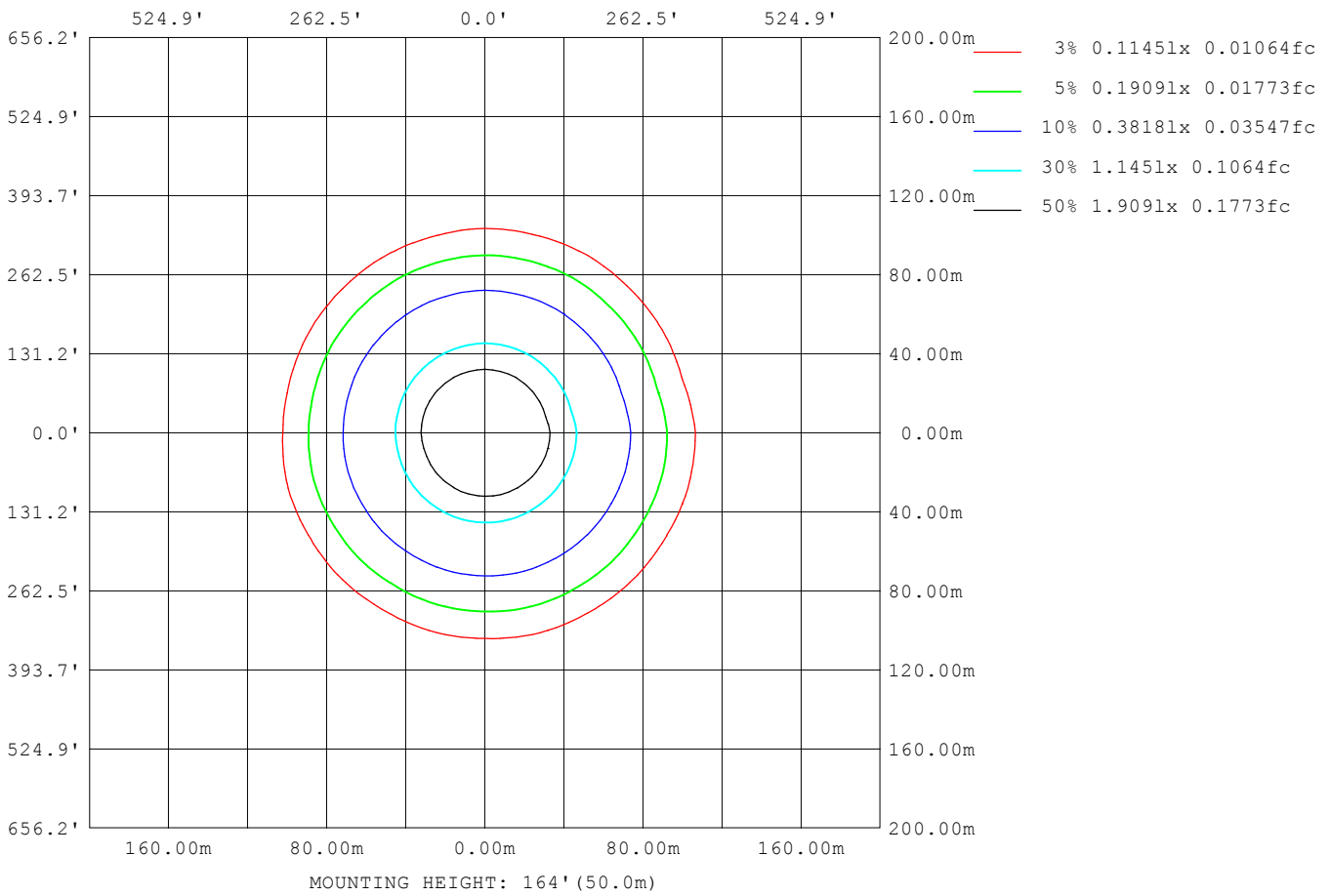
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: YU
 Test Date: 2016-08-11

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

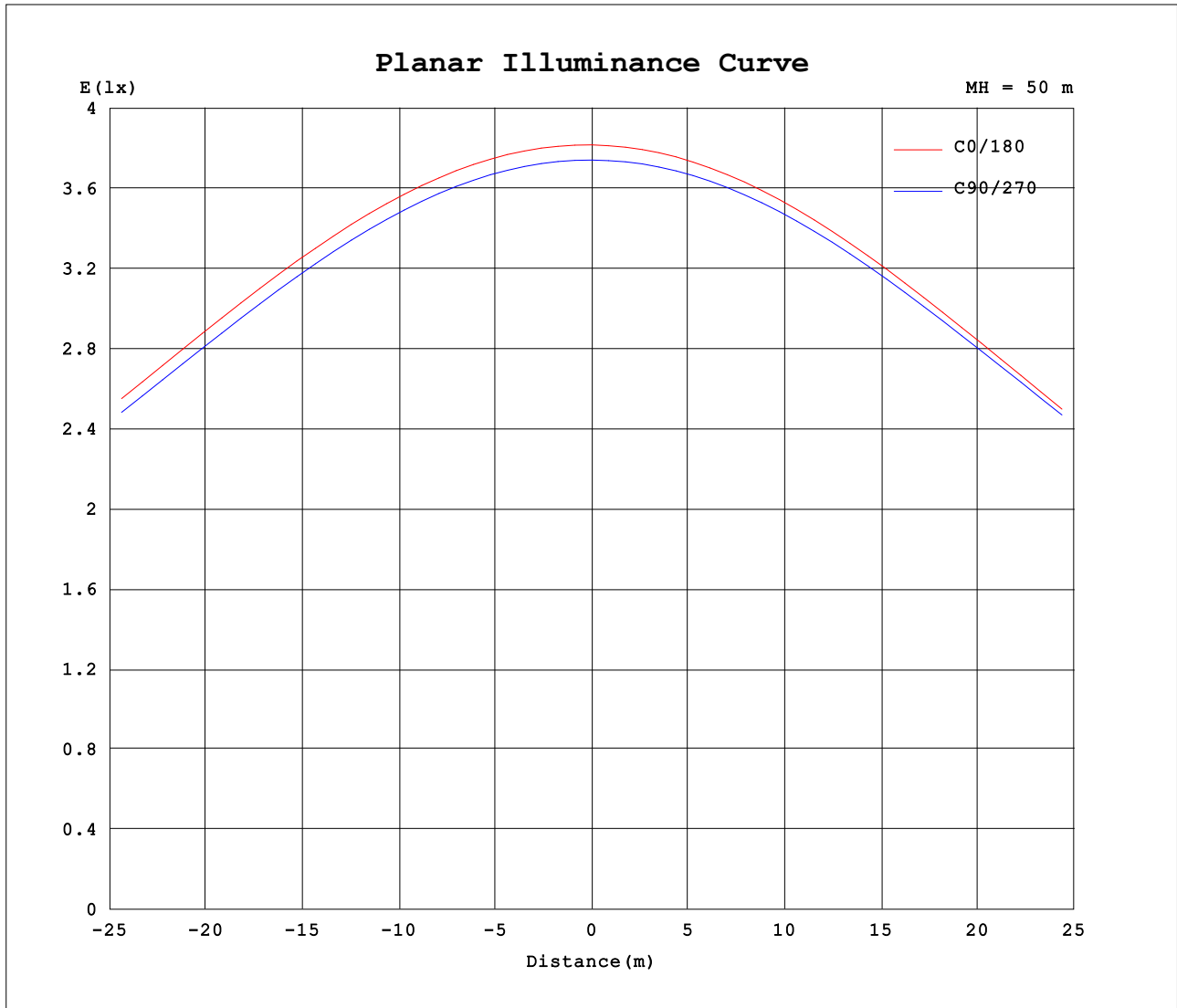
Test:U:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:YU
 Test Date:2016-08-11

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
 Operators: YU
 Test Date: 2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	9544	9508	9473	9439	9409	9381	9356	9330	9307	9285	9264	9246	9544	9508	9473	9439	9409	9381	9356
5	9533	9498	9459	9426	9393	9367	9336	9309	9282	9262	9239	9223	9503	9466	9435	9401	9374	9346	9326
10	9463	9429	9386	9354	9318	9292	9256	9230	9199	9182	9155	9141	9400	9363	9337	9303	9279	9252	9238
15	9330	9299	9250	9219	9179	9154	9113	9086	9049	9036	9005	8993	9228	9191	9172	9137	9117	9090	9082
20	9125	9096	9042	9013	8970	8945	8897	8872	8829	8820	8785	8775	8987	8950	8937	8902	8887	8859	8858
25	8849	8821	8763	8735	8690	8667	8613	8587	8542	8535	8497	8489	8677	8640	8632	8600	8589	8562	8569
30	8503	8479	8415	8389	8340	8320	8260	8237	8186	8183	8142	8137	8294	8257	8257	8226	8221	8196	8210
35	8086	8062	7995	7969	7918	7899	7834	7811	7755	7754	7709	7706	7826	7792	7798	7770	7771	7749	7775
40	7586	7567	7494	7471	7417	7397	7323	7300	7237	7238	7189	7189	7273	7236	7253	7227	7237	7215	7252
45	6993	6978	6902	6880	6824	6804	6722	6700	6632	6640	6585	6590	6634	6597	6624	6599	6618	6599	6642
50	6309	6299	6217	6199	6139	6120	6034	6012	5942	5955	5899	5905	5909	5877	5912	5889	5912	5894	5947
55	5542	5534	5450	5430	5369	5354	5263	5246	5172	5190	5135	5148	5101	5070	5114	5097	5124	5112	5171
60	4689	4686	4601	4583	4521	4508	4414	4395	4315	4340	4283	4306	4208	4173	4225	4207	4251	4242	4307
65	3697	3694	3604	3579	3511	3499	3405	3381	3301	3325	3278	3299	3142	3125	3193	3178	3215	3204	3285
70	2664	2665	2590	2561	2512	2490	2412	2385	2323	2343	2301	2309	2132	2127	2181	2187	2218	2225	2289
75	1653	1654	1587	1566	1516	1498	1421	1402	1350	1371	1335	1346	1152	1147	1192	1200	1234	1247	1306
80	786	787	739	725	693	684	631	614	572	588	561	571	417	417	449	457	473	484	526
85	247	252	221	216	204	200	183	178	167	171	163	166	103	103	107	115	112	122	126
90	125	125	124	124	123	123	123	123	123	122	122	122	89.8	89.0	88.0	86.8	86.2	87.0	85.9
95	130	130	130	130	129	129	129	129	129	129	128	128	95.3	94.5	93.1	92.0	91.8	92.2	91.8
100	137	137	136	136	135	135	135	135	135	135	134	134	101	98.9	98.8	97.2	97.5	96.7	97.4
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:2016-08-11

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:109.8V I:1.909A P:208.8W PF:0.9950 Lamp Flux:27333.2x1 lm		
NAME: HL-200W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	9330	9307	9285	9264	9246														
5	9301	9283	9259	9241	9221														
10	9212	9200	9174	9159	9139														
15	9058	9052	9024	9015	8993														
20	8836	8836	8805	8800	8776														
25	8548	8552	8520	8518	8492														
30	8190	8201	8165	8169	8142														
35	7756	7773	7740	7746	7718														
40	7236	7262	7225	7241	7212														
45	6628	6665	6624	6647	6618														
50	5934	5976	5933	5963	5932														
55	5159	5206	5162	5196	5166														
60	4299	4355	4310	4349	4323														
65	3279	3337	3300	3350	3318														
70	2297	2349	2322	2355	2335														
75	1320	1369	1345	1373	1358														
80	536	574	561	585	577														
85	131	143	136	144	141														
90	85.6	84.6	84.3	84.8	84.6														
95	91.1	89.3	89.7	89.1	89.6														
100	95.7	95.4	94.9	95.0	94.9														
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:2016-08-11

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: