

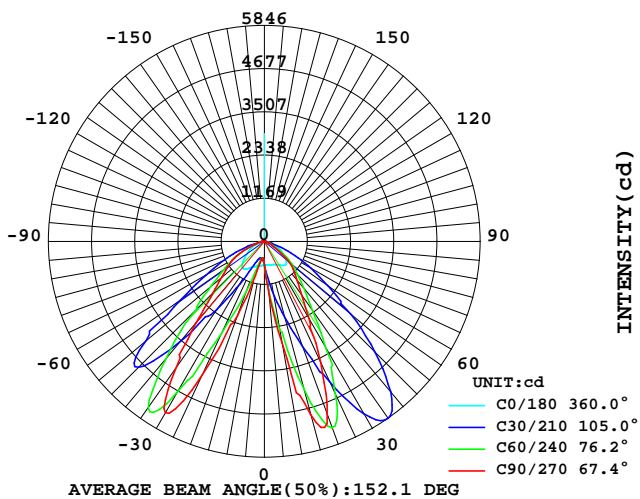
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

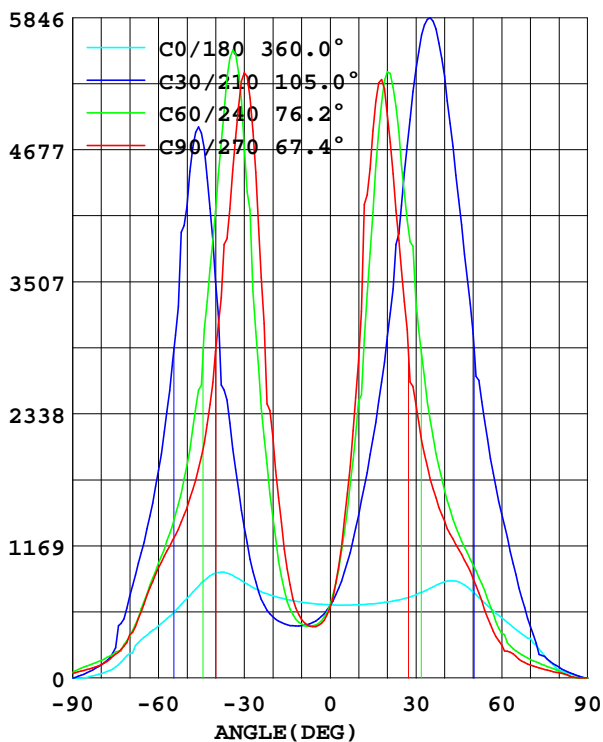
MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	6006	S/MH(C0/180)	1.78
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	2.29
NOMINAL POWER(W)	58	TOTAL FLUX(lm)	8200.0	Voltage(V)	218.6
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	142.9	Current(A)	0.271
NOMINAL FLUX(lm)	8200.0	h up(%)	0.1	Power(W)	57.38
LAMPS QUANTITY	1	h down(%)	99.9	Power Factor(PF)	0.967
TEST VOLTAGE(V)	218.7	Effective Flux(lm)	7629.8	EEI	0.102

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



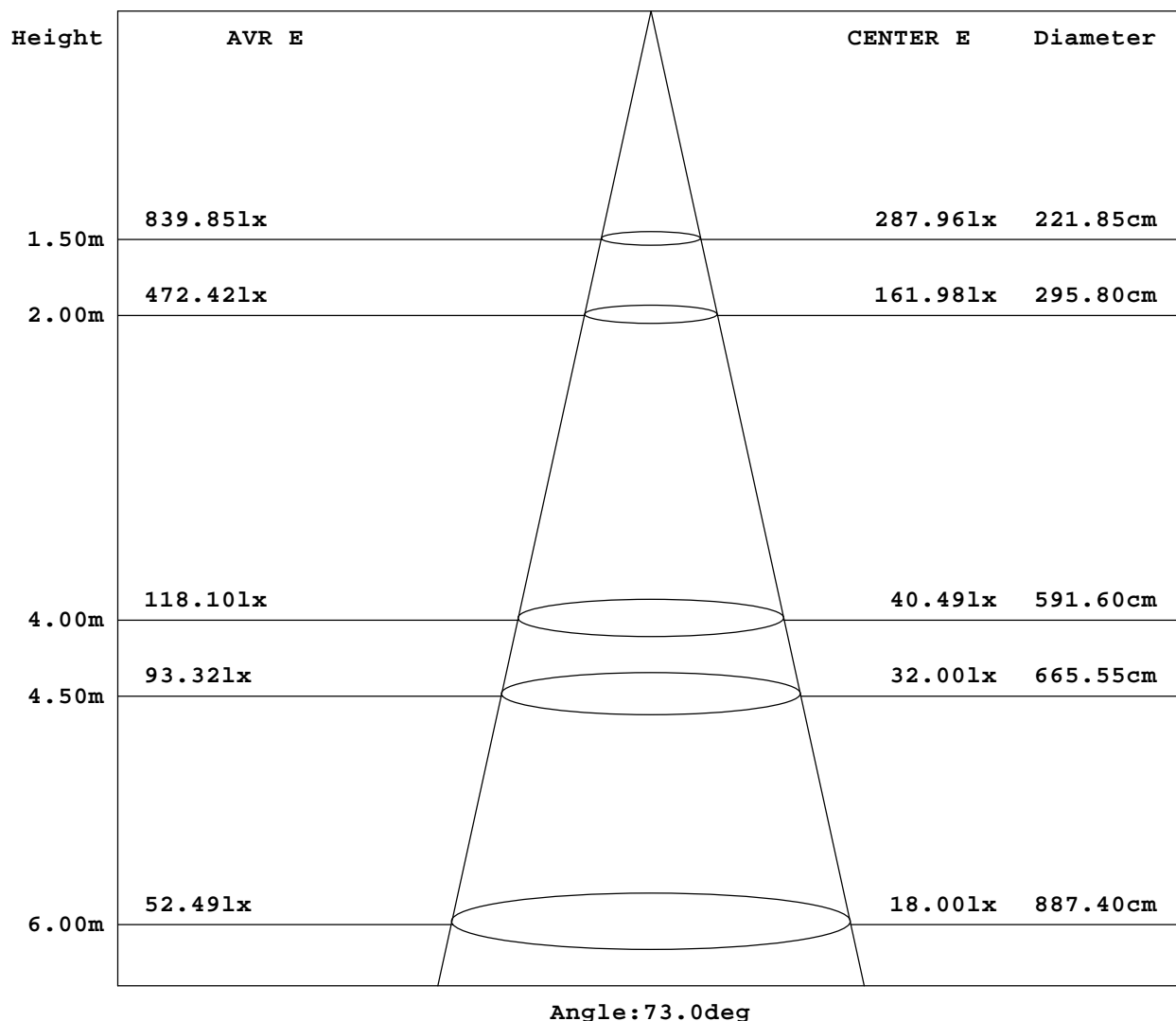
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 11.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	656.1	487.0	455.7	473.1	644.0	1120	1406	1068	0- 5	16.96	16.96
10.0	672.2	469.6	516.3	468.5	647.5	1944	2807	1902	5- 10	70.77	87.73
15.0	693.7	573.1	963.8	593.2	656.1	3120	4845	3109	10- 15	179.0	266.7
20.0	727.8	985.6	2144	1032	672.4	4195	4981	4247	15- 20	359.7	626.4
25.0	777.4	1749	3974	1816	696.5	4361	3612	4468	20- 25	554.5	1181
30.0	846.3	3016	5357	3045	735.7	4361	2428	4476	25- 30	781.4	1962
35.0	919.1	3873	4155	3827	793.9	4063	1758	4055	30- 35	976.9	2939
40.0	928.2	3819	2888	3777	851.0	3490	1386	3262	35- 40	1026	3965
45.0	841.8	3708	1960	3922	851.4	2752	1137	2434	40- 45	1010	4976
50.0	704.2	3030	1507	3724	761.1	2026	879.6	1727	45- 50	940.7	5916
55.0	568.7	2075	1219	2697	637.6	1408	533.5	1110	50- 55	766.4	6683
60.0	462.8	1428	976.1	1854	535.1	924.0	294.4	746.8	55- 60	566.0	7249
65.0	361.0	939.5	655.0	1224	429.6	576.0	192.2	395.0	60- 65	402.0	7651
70.0	216.1	545.3	384.6	802.9	348.9	309.0	113.4	175.9	65- 70	262.9	7914
75.0	97.11	248.3	210.0	396.2	197.5	151.0	76.06	107.2	70- 75	151.8	8066
80.0	39.51	135.4	117.6	181.4	73.51	78.90	46.77	45.93	75- 80	77.36	8143
85.0	5.275	75.81	75.93	104.4	27.17	20.40	6.364	4.089	80- 85	37.05	8180
90.0	0	24.35	41.93	48.04	0	0	0.557	0	85- 90	15.45	8195
95.0	0	0.581	6.606	6.328	0	0	0	0	90- 95	4.375	8200
100.0	0	0	0	0	0	0	0	0	95-100	0.159	8200
105.0	0	0	0	0	0	0	0	0	100-105	0	8200
110.0	0	0	0	0	0	0	0	0	105-110	0	8200
115.0	0	0	0	0	0	0	0	0	110-115	0	8200
120.0	0	0	0	0	0	0.823	0.557	0.218	115-120	0.024	8200
125.0	0	0	0	0	0	0	0	0	120-125	0.010	8200
130.0	0	0	0	0	0	0	0	0	125-130	0	8200
135.0	0	0	0	0	0	0	0	0	130-135	0	8200
140.0	0	0	0	0	0	0	0	0	135-140	0	8200
145.0	0	0	0	0	0	0	0	0	140-145	0	8200
150.0	0	0	0	0	0	0	0	0	145-150	0	8200
155.0	0	0	0	0	0	0	0	0	150-155	0	8200
160.0	0	0	0	0	0	0	0	0	155-160	0	8200
165.0	0	0	0	0	0	0	0	0	160-165	0	8200
170.0	0	0	0	0	0	0	0	0	165-170	0	8200
175.0	0	0	0	0	0	0	0	0	170-175	0	8200
180.0	0	0	0	0	0	0	0	0	175-180	0	8200
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

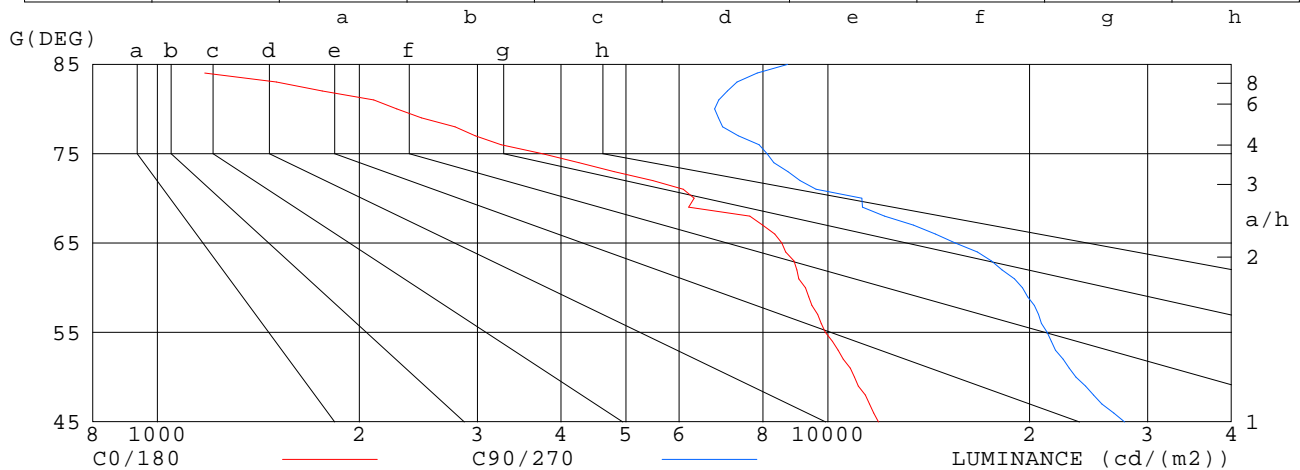
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

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



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	605	8713
80	2276	6777
75	3752	8114
70	6321	11245
65	8542	15500
60	9258	19524
55	9916	21251
50	10957	23443
45	11906	27724

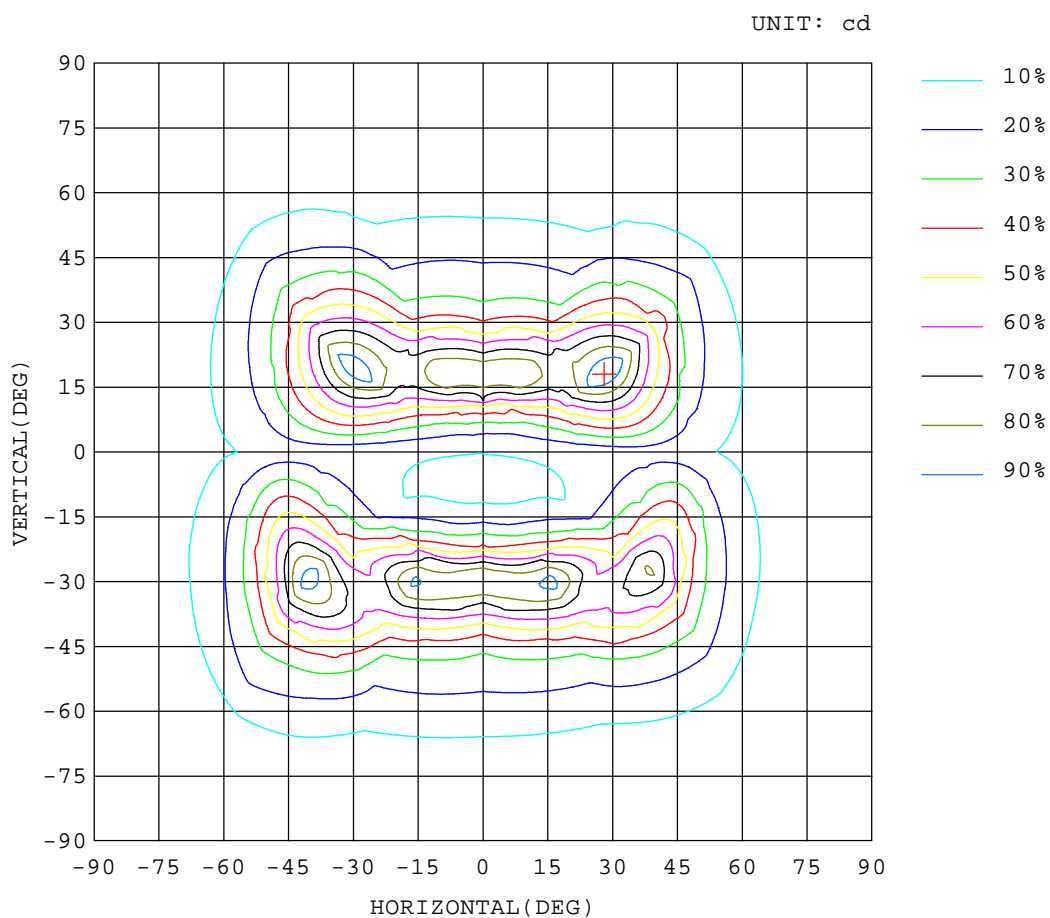
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



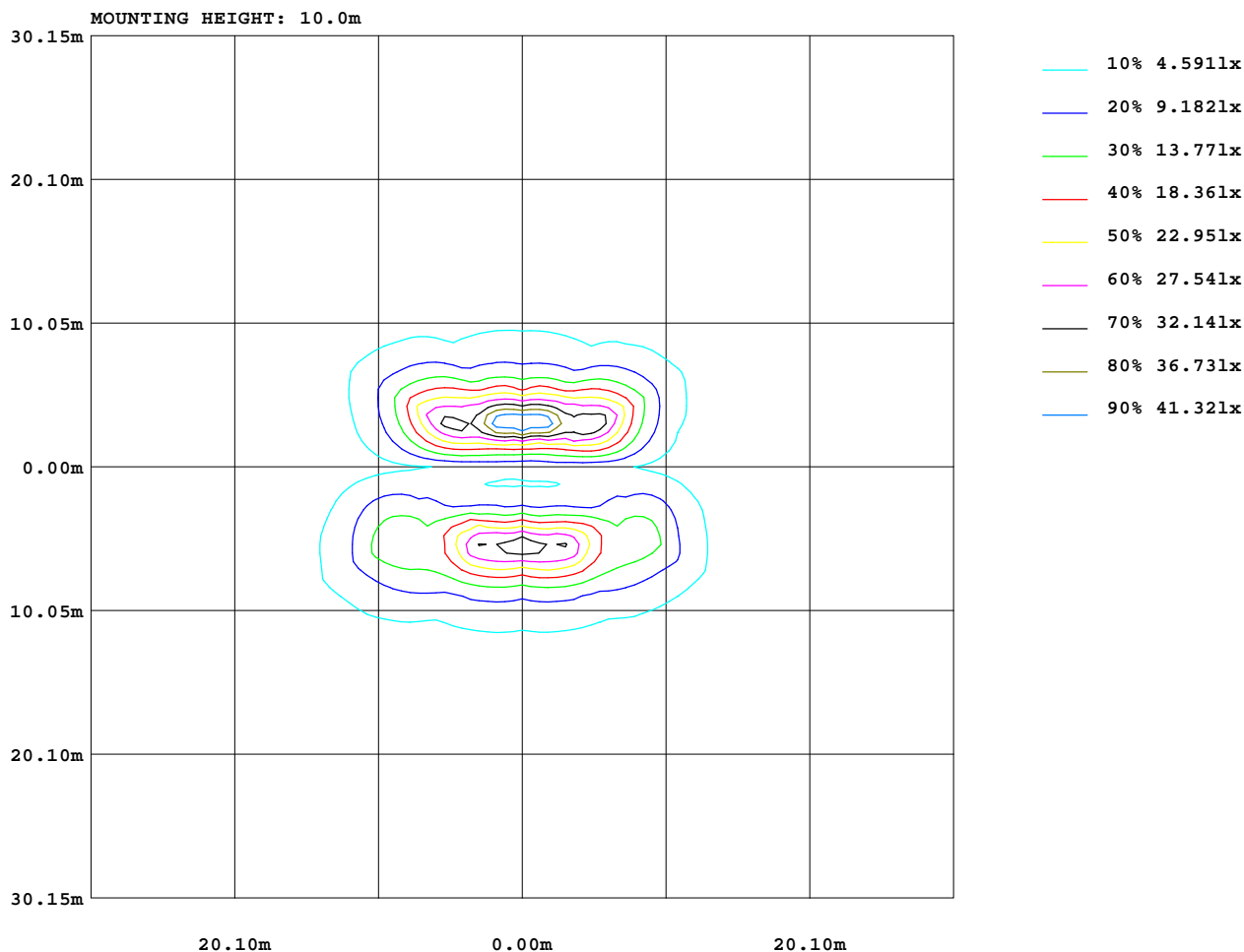
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

90	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.00	0.04	0.13	0.24	0.30	0.29	0.33	0.42	0.46	0.42	0.32	0.19	0.12	0.08	0.04	0.01	0.00	0.00	3.38	0.00	
80	0.02	0.18	0.60	1.24	1.86	2.32	2.55	2.65	2.49	2.40	2.39	2.15	1.72	1.16	0.63	0.23	0.03	0.00	24.6	0.00	
70	0.04	0.35	1.27	2.83	4.91	6.19	5.58	6.04	6.02	5.81	5.53	4.87	4.44	3.17	1.81	0.68	0.14	0.00	59.7	0.00	
60	0.05	0.56	2.20	6.88	13.4	16.1	14.4	16.4	17.3	16.8	14.9	12.2	12.4	8.66	3.79	1.31	0.28	0.01	158	69.7	
50	0.07	0.81	3.77	13.5	27.4	35.8	34.0	33.1	35.0	34.4	31.5	29.9	28.9	20.7	8.57	2.14	0.43	0.02	340	326	
40	0.09	1.09	5.50	18.5	44.7	69.1	69.0	56.3	58.1	57.2	53.9	63.5	58.0	35.4	13.7	3.32	0.59	0.03	609	597	
30	0.10	1.35	6.60	20.4	54.5	111	120	111	116	115	110	120	101	44.5	16.1	4.46	0.74	0.04	1053	1042	
VERTICAL (DEG)	0.11	1.57	6.77	18.9	48.8	100	127	121	136	135	124	134	98.7	42.3	15.5	5.00	0.87	0.04	1116	1104	
	0.11	1.67	6.13	14.3	30.0	48.7	54.8	48.9	45.9	44.6	50.1	59.1	51.1	27.9	12.3	4.85	0.94	0.05	502	486	
	0.11	1.84	7.00	18.3	32.8	28.8	21.3	16.8	15.1	15.3	17.1	22.4	30.9	30.9	14.9	5.49	1.03	0.05	281	222	
	0.12	2.04	9.19	29.7	64.1	55.3	39.2	35.6	32.0	31.2	34.0	38.3	55.8	56.2	22.2	6.84	1.13	0.05	514	496	
	0.11	2.00	10.2	34.3	90.5	101	93.9	117	114	112	115	94.5	97.4	71.9	24.5	7.27	1.09	0.05	1087	1079	
	0.11	1.73	10.0	31.6	84.7	110	103	129	132	133	131	103	94.6	60.8	22.7	6.61	0.90	0.04	1157	1149	
	0.09	1.31	8.33	25.6	51.2	69.1	64.5	65.9	66.1	66.2	65.8	59.9	54.0	36.8	17.9	4.97	0.66	0.03	659	650	
	0.08	0.84	5.39	17.6	28.2	34.9	33.9	36.8	38.0	37.7	35.9	31.3	28.0	20.4	11.0	2.86	0.49	0.02	364	351	
	0.06	0.58	2.54	8.26	13.7	16.2	16.8	19.4	20.3	19.8	18.0	14.5	12.1	8.90	4.49	1.39	0.31	0.01	178	100	
	0.04	0.37	1.22	2.72	4.75	6.02	6.38	6.83	6.81	6.60	6.25	5.56	4.65	3.17	1.77	0.70	0.15	0.01	64.0	0.00	
-30	0.02	0.17	0.54	1.14	1.88	2.67	3.06	2.89	2.54	2.45	2.61	2.63	2.14	1.30	0.59	0.18	0.04	0.00	26.9	0.00	
-40																					
-50																					
-60																					
-70																					
-80																					
-90																					
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
Φ t	1.32	18.5	87.5	266	598	815	810	827	845	837	819	798	737	475	193	58.3	9.80	0.47	8200		
Φ a	0.00	0.00	41.5	244	575	787	778	784	796	790	776	766	709	451	164	11.9	0.00	0.00		7630	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

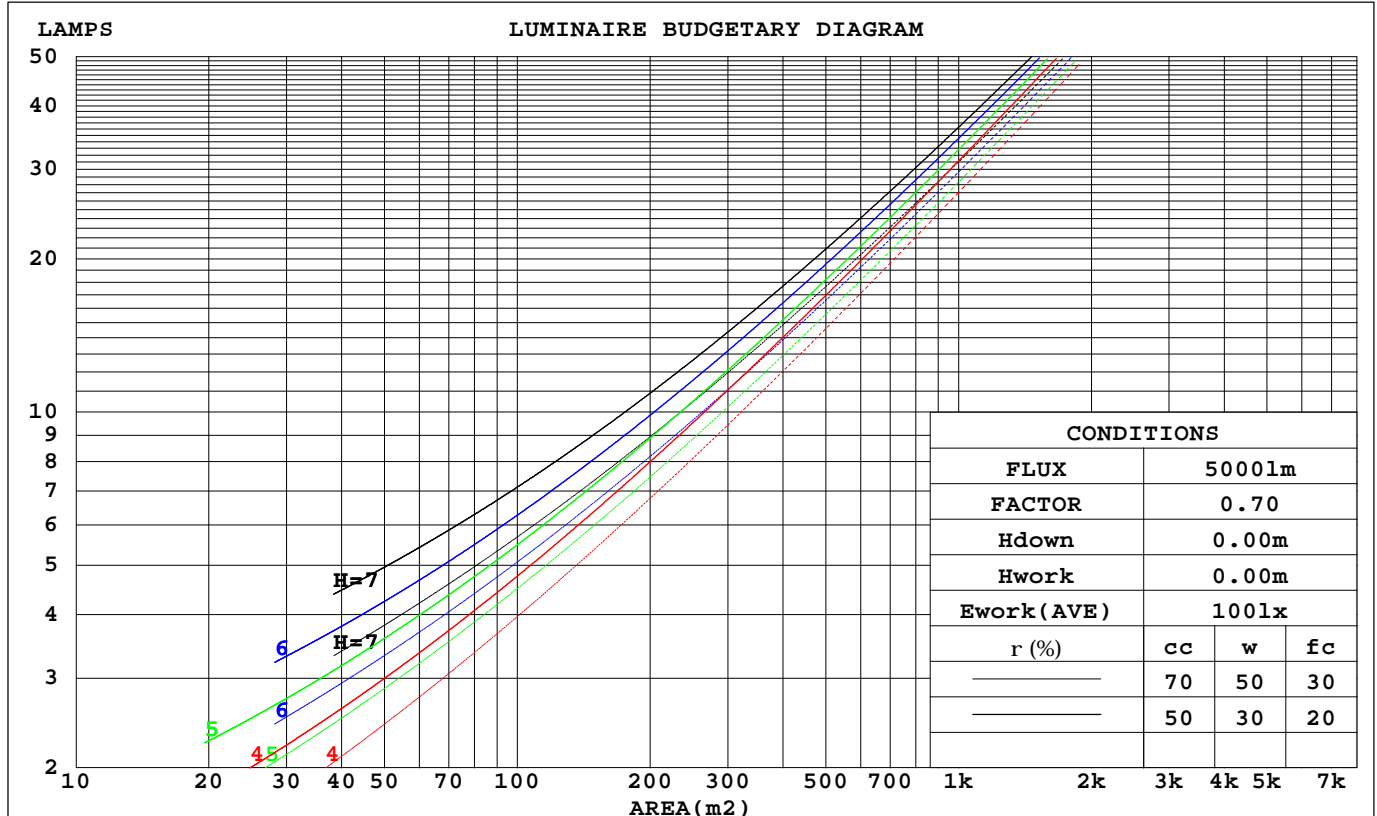
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: DS25°57W								TYPE:				WEIGHT:			
SPECIFICATION:								DIMENSION: 578*188mm				SERIAL No.:			

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: DS25°57W						TYPE:			WEIGHT:		
SPECIFICATION:						DIMENSION: 578*188mm			SERIAL No.:		

rcc	80%			70%			50%			30%			10%			0														
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
rfc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.273	.155	.049	.266	.152	.048	.253	.145	.046	.241	.139	.045	.229	.133	.043															
2.0	.266	.146	.045	.260	.143	.044	.248	.138	.043	.237	.133	.042	.228	.129	.041															
3.0	.252	.134	.040	.247	.132	.040	.237	.128	.039	.227	.124	.038	.218	.121	.037															
4.0	.237	.123	.036	.233	.122	.036	.224	.119	.035	.215	.116	.035	.207	.113	.034															
5.0	.223	.114	.033	.219	.112	.033	.211	.110	.032	.203	.107	.032	.196	.105	.031															
6.0	.209	.105	.030	.205	.104	.030	.198	.102	.030	.191	.099	.029	.185	.097	.029															
7.0	.197	.097	.028	.193	.096	.027	.187	.094	.027	.181	.093	.027	.175	.091	.027															
8.0	.185	.090	.025	.182	.090	.025	.176	.088	.025	.171	.086	.025	.166	.085	.025															
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023															
10.0	.165	.079	.022	.162	.078	.022	.158	.077	.022	.153	.076	.022	.149	.075	.021															

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.178	.157	.138	.152	.135	.119	.104	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.169	.132	.102	.145	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.161	.115	.077	.138	.099	.067	.095	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.154	.101	.061	.132	.087	.053	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.078	.042	.087	.055	.030	.051	.032	.018	.016	.011	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.025	.049	.029	.015	.016	.010	.005	
7.0	.135	.076	.034	.116	.066	.030	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.061	.025	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.026	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.008	.013	.007	.003	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

Uncorrected UGR Table

Report number:

MANUFACTURER:											
Address:											
NAME: DS25°57W						TYPE:			WEIGHT:		
SPECIFICATION:						DIMENSION: 578*188mm			SERIAL No.:		
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	25.9	27.4	26.1	27.6	27.8	24.8	26.3	25.1	26.5	26.7	
	3H	26.1	27.5	26.4	27.7	27.9	25.1	26.5	25.4	26.7	26.9
	4H	26.1	27.4	26.4	27.6	27.9	25.1	26.4	25.5	26.7	26.9
	6H	26.0	27.2	26.3	27.5	27.7	25.2	26.4	25.5	26.6	26.9
	8H	25.9	27.1	26.3	27.4	27.7	25.2	26.3	25.5	26.6	26.9
	12H	25.9	27.0	26.2	27.3	27.6	25.2	26.3	25.5	26.6	26.9
4H	2H	26.2	27.5	26.5	27.7	28.0	25.4	26.6	25.7	26.9	27.1
	3H	26.7	27.8	27.0	28.1	28.4	25.7	26.8	26.1	27.1	27.4
	4H	26.7	27.7	27.1	28.0	28.4	25.8	26.8	26.2	27.1	27.4
	6H	26.7	27.5	27.1	27.9	28.3	25.9	26.7	26.2	27.1	27.4
	8H	26.6	27.4	27.0	27.8	28.2	25.9	26.7	26.3	27.1	27.4
	12H	26.6	27.3	27.0	27.7	28.1	25.9	26.7	26.3	27.1	27.5
8H	4H	26.7	27.5	27.1	27.9	28.2	25.8	26.7	26.2	27.0	27.4
	6H	26.7	27.3	27.1	27.7	28.2	26.0	26.7	26.4	27.1	27.5
	8H	26.7	27.2	27.1	27.7	28.1	26.1	26.7	26.5	27.1	27.5
	12H	26.6	27.1	27.1	27.6	28.1	26.2	26.7	26.7	27.1	27.6
12H	4H	26.7	27.4	27.1	27.8	28.2	25.8	26.5	26.2	26.9	27.3
	6H	26.7	27.3	27.1	27.7	28.1	26.0	26.6	26.4	27.0	27.4
	8H	26.7	27.2	27.1	27.6	28.1	26.1	26.6	26.6	27.0	27.5
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 0.9					+ 1.0 / - 1.5					
1.5H	+ 2.5 / - 4.2					+ 1.0 / - 1.3					
2.0H	+ 3.0 / - 5.8					+ 1.1 / - 1.2					

CIE Pub.117 Corrected 8200 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.3)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

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) $k(RI) \times RCR = 5$									
$k = 0.60$	59	47	41	58	47	40	57	47	40	34
0.80	70	59	52	69	58	51	67	57	51	44
1.00	79	69	62	78	68	62	76	69	61	54
1.25	86	77	70	85	76	70	82	75	69	62
1.50	91	82	76	90	82	76	87	80	75	68
2.00	98	90	85	96	89	84	93	87	82	75
2.50	101	95	89	99	93	88	96	91	86	79
3.00	104	98	94	102	97	92	99	94	90	82
4.00	108	103	99	106	101	97	101	98	95	86
5.00	110	106	102	108	104	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

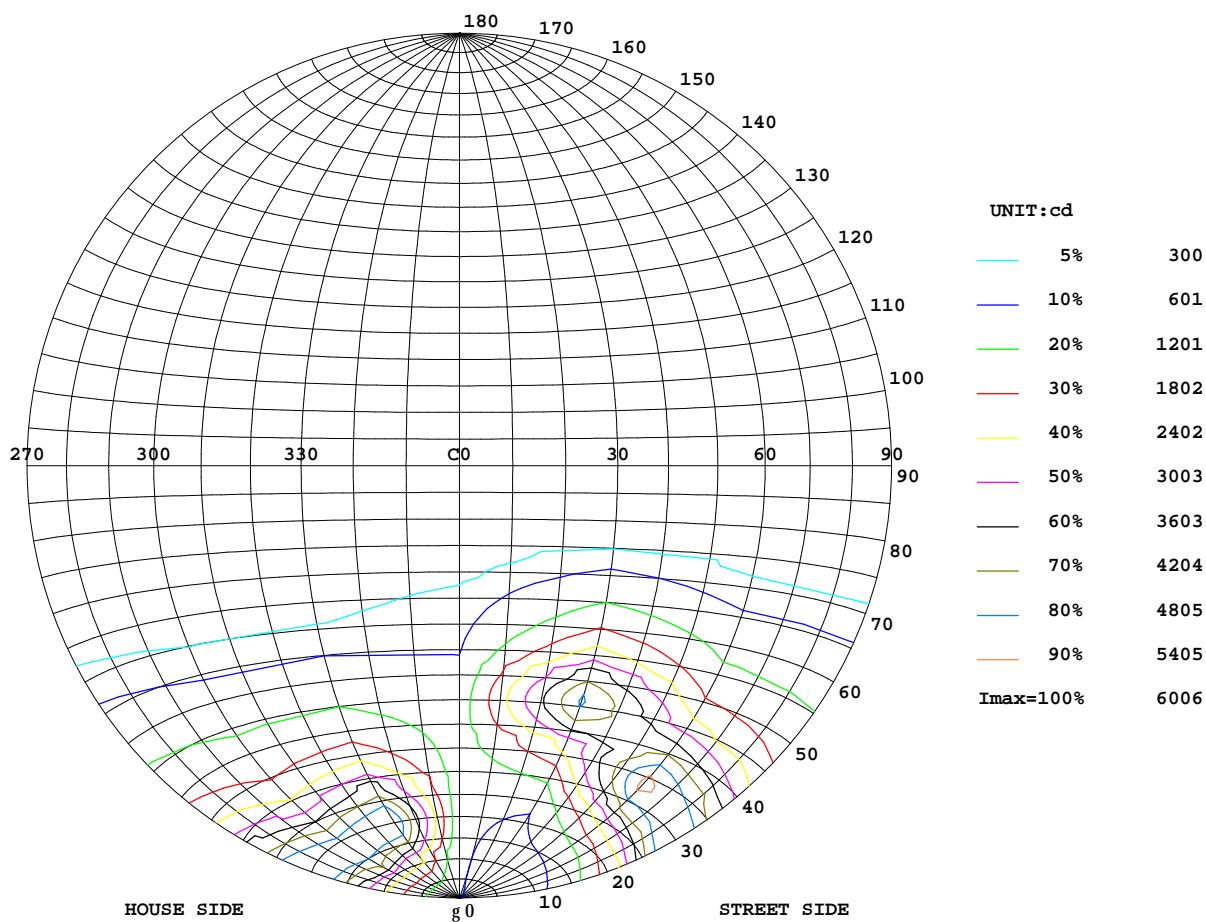
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

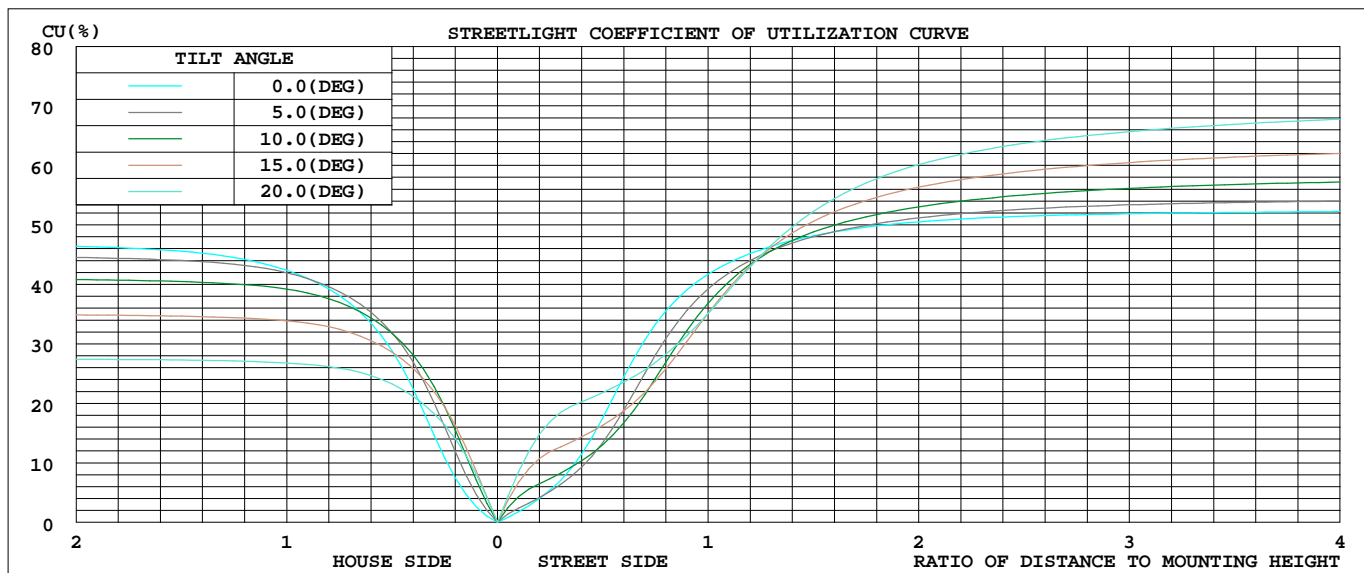
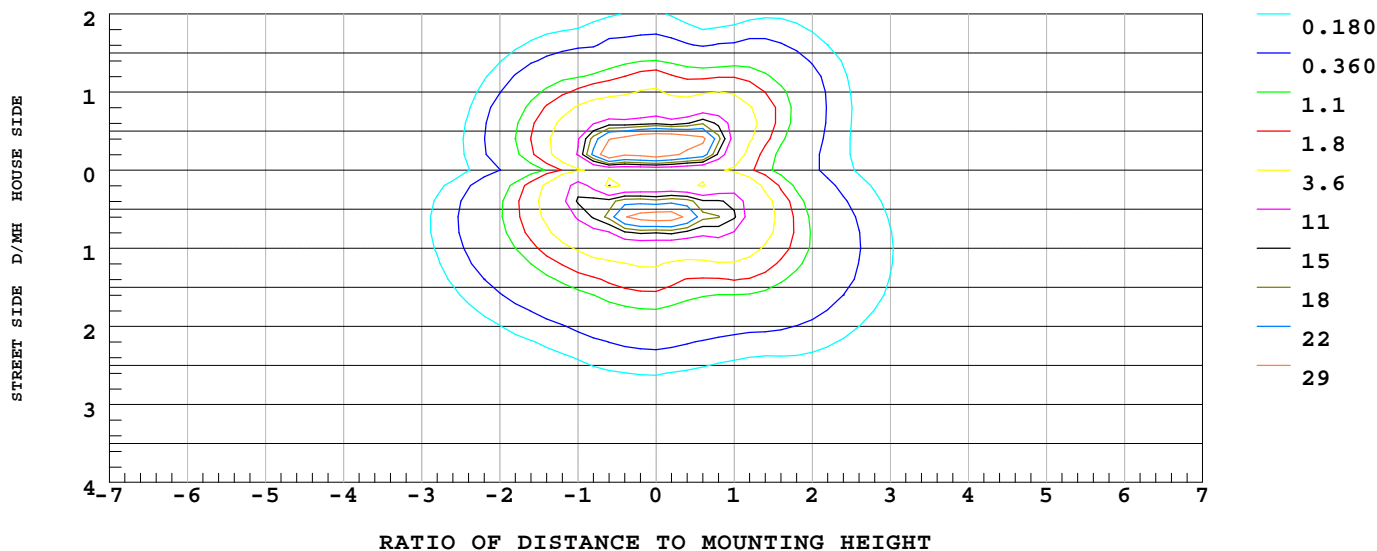
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 6.48 lx



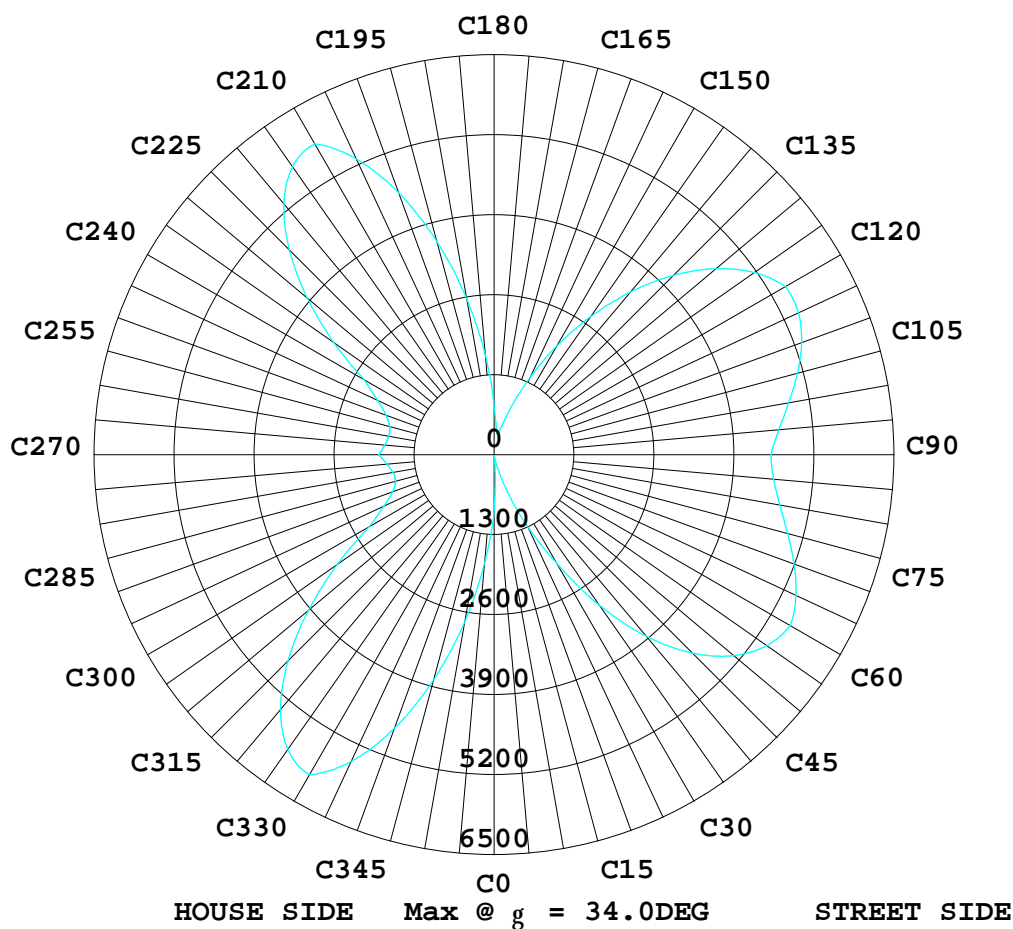
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°57W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks: