

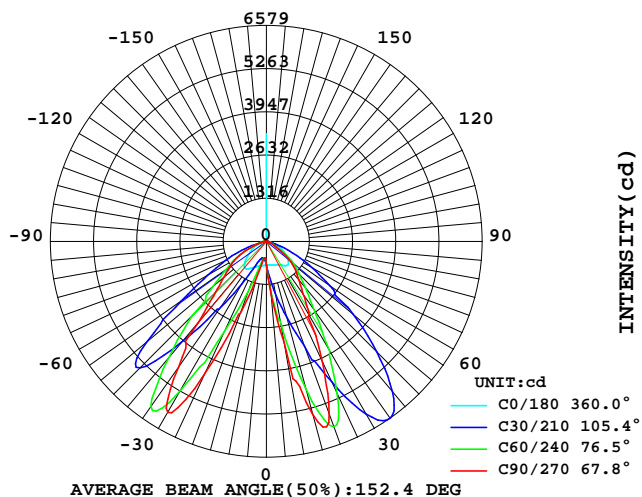
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

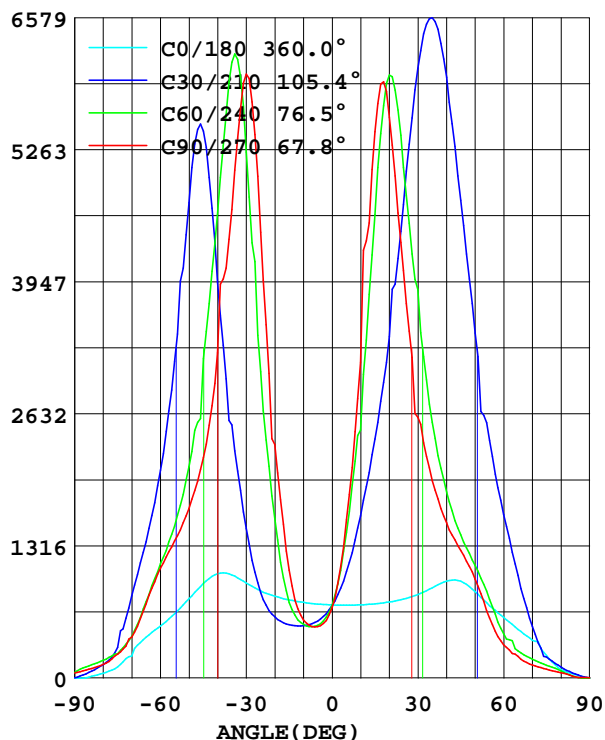
MANUFACTURER:		
Address:		
NAME: DS25°64W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	6696	S/MH(C0/180)	1.77
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	2.29
NOMINAL POWER(W)	64	TOTAL FLUX(lm)	9193.2	Voltage(V)	218.6
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	141.8	Current(A)	0.305
NOMINAL FLUX(lm)	9193.3	h up(%)	0.1	Power(W)	64.84
LAMPS QUANTITY	1	h down(%)	99.9	Power Factor(PF)	0.972
TEST VOLTAGE(V)	218.7	Effective Flux(lm)	8548.0	EEI	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



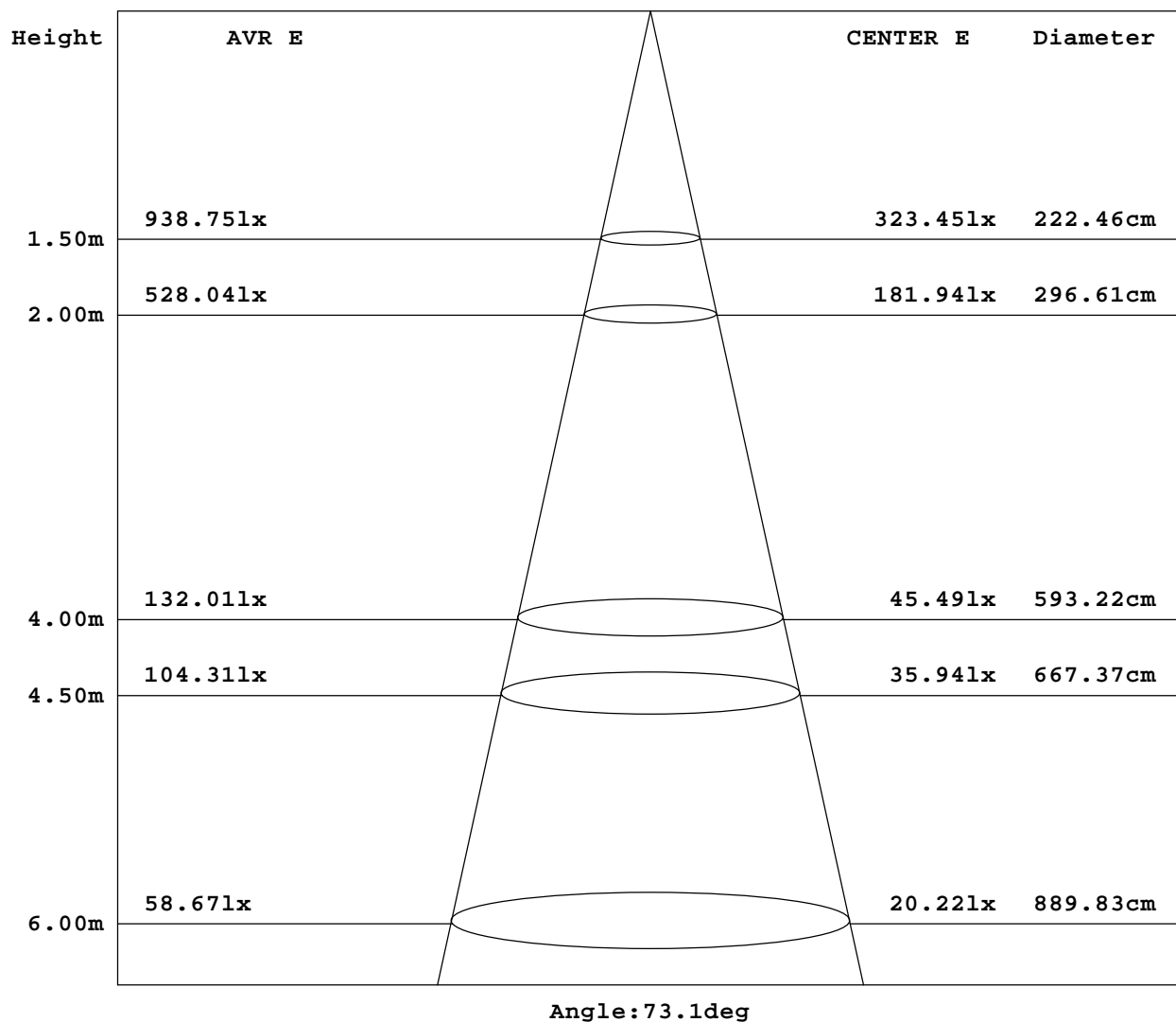
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

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°64W	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°64W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	735.8	546.3	510.9	530.3	725.1	1256	1578	1192	0- 5	19.01	19.01
10.0	752.8	526.7	576.0	524.6	728.3	2042	3146	2009	5- 10	78.97	97.98
15.0	776.6	640.8	1073	662.0	739.5	3499	5442	3481	10- 15	201.8	299.8
20.0	813.7	1099	2326	1150	757.5	4704	5586	4952	15- 20	403.2	703.0
25.0	869.2	1949	4441	2022	787.4	4900	4057	4994	20- 25	621.4	1325
30.0	946.4	3362	6016	3396	831.7	4972	2598	5123	25- 30	870.9	2195
35.0	1026	4329	4668	4278	898.8	4563	1965	4525	30- 35	1094	3289
40.0	1038	4283	3238	4222	964.9	3918	1547	3646	35- 40	1153	4443
45.0	942.6	4315	2196	4485	963.2	3093	1272	2722	40- 45	1134	5576
50.0	789.5	3421	1688	4152	860.9	2278	983.4	1815	45- 50	1054	6630
55.0	638.2	2334	1365	3009	720.1	1575	597.9	1241	50- 55	854.5	7484
60.0	519.6	1605	1095	2068	604.3	1035	331.6	809.5	55- 60	636.4	8121
65.0	406.6	1058	736.8	1369	484.6	646.2	216.1	443.7	60- 65	451.5	8572
70.0	218.1	615.6	405.3	899.2	373.7	348.2	128.5	189.6	65- 70	295.6	8868
75.0	111.0	272.1	237.7	456.7	223.8	167.8	86.46	121.9	70- 75	171.2	9039
80.0	46.89	154.4	134.2	204.8	84.89	90.21	54.15	53.73	75- 80	86.75	9126
85.0	8.542	87.61	87.19	119.0	32.62	25.48	9.752	7.211	80- 85	42.77	9169
90.0	0	28.87	49.68	56.21	0	0.097	2.976	0	85- 90	18.30	9187
95.0	0	1.669	10.35	8.445	0	0	2.129	0	90- 95	5.438	9193
100.0	0	0	0	0	0	0	0.799	0	95-100	0.333	9193
105.0	0	0	0	0	0	0	0	0	100-105	0.026	9193
110.0	0	0	0	0	0	0	0	0	105-110	0	9193
115.0	0	0	0	0	0	0.738	0	0.520	110-115	0.024	9193
120.0	0	0	0	0	0	3.037	3.339	2.553	115-120	0.325	9193
125.0	0	0	0	0	0	0	0	0	120-125	0.057	9193
130.0	0	0	0	0	0	0	0	0	125-130	0	9193
135.0	0	0	0	0	0	0	0	0	130-135	0	9193
140.0	0	0	0	0	0	0	0	0	135-140	0	9193
145.0	0	0	0	0	0	0	0	0	140-145	0	9193
150.0	0	0	0	0	0	0	0	0	145-150	0	9193
155.0	0	0	0	0	0	0	0	0	150-155	0	9193
160.0	0	0	0	0	0	0	0	0	155-160	0	9193
165.0	0	0	0	0	0	0	0	0	160-165	0	9193
170.0	0	0	0	0	0	0	0	0	165-170	0	9193
175.0	0	0	0	0	0	0	0	0	170-175	0	9193
180.0	0	0	0	0	0	0	0	0	175-180	0	9193
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:

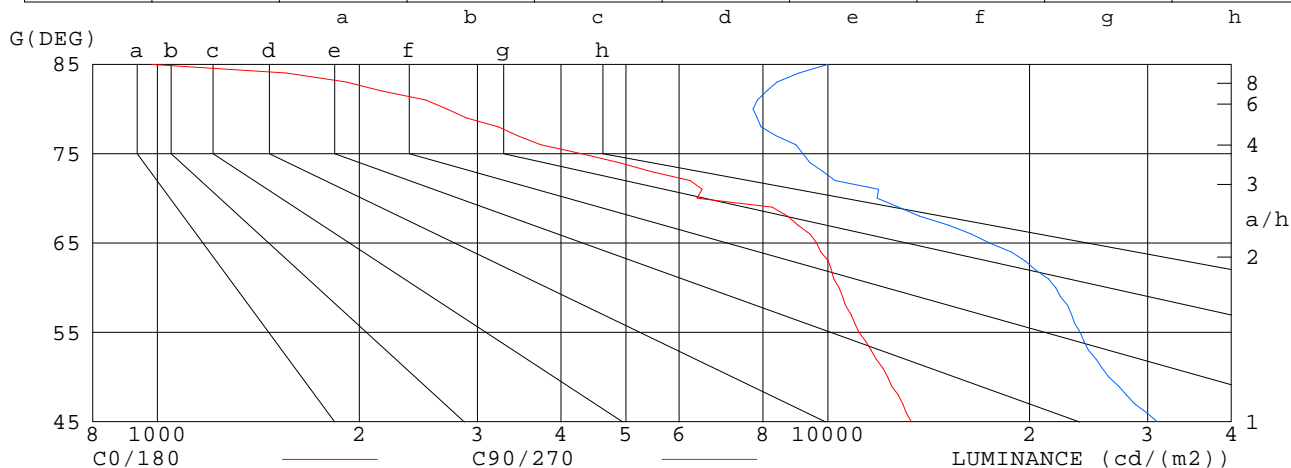
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°64W	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	980	10004
80	2701	7732
75	4290	9185
70	6377	11850
65	9622	17435
60	10393	21895
55	11127	23799
50	12284	26263
45	13331	31058

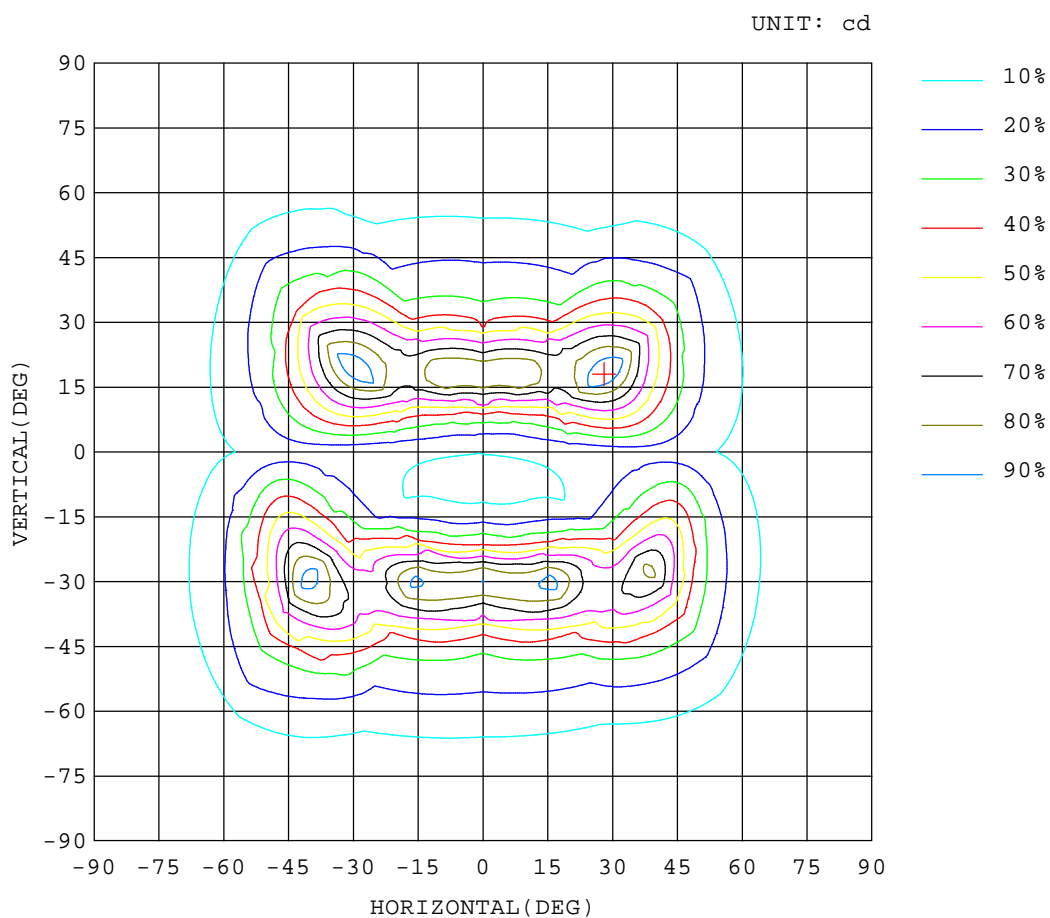
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

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°64W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



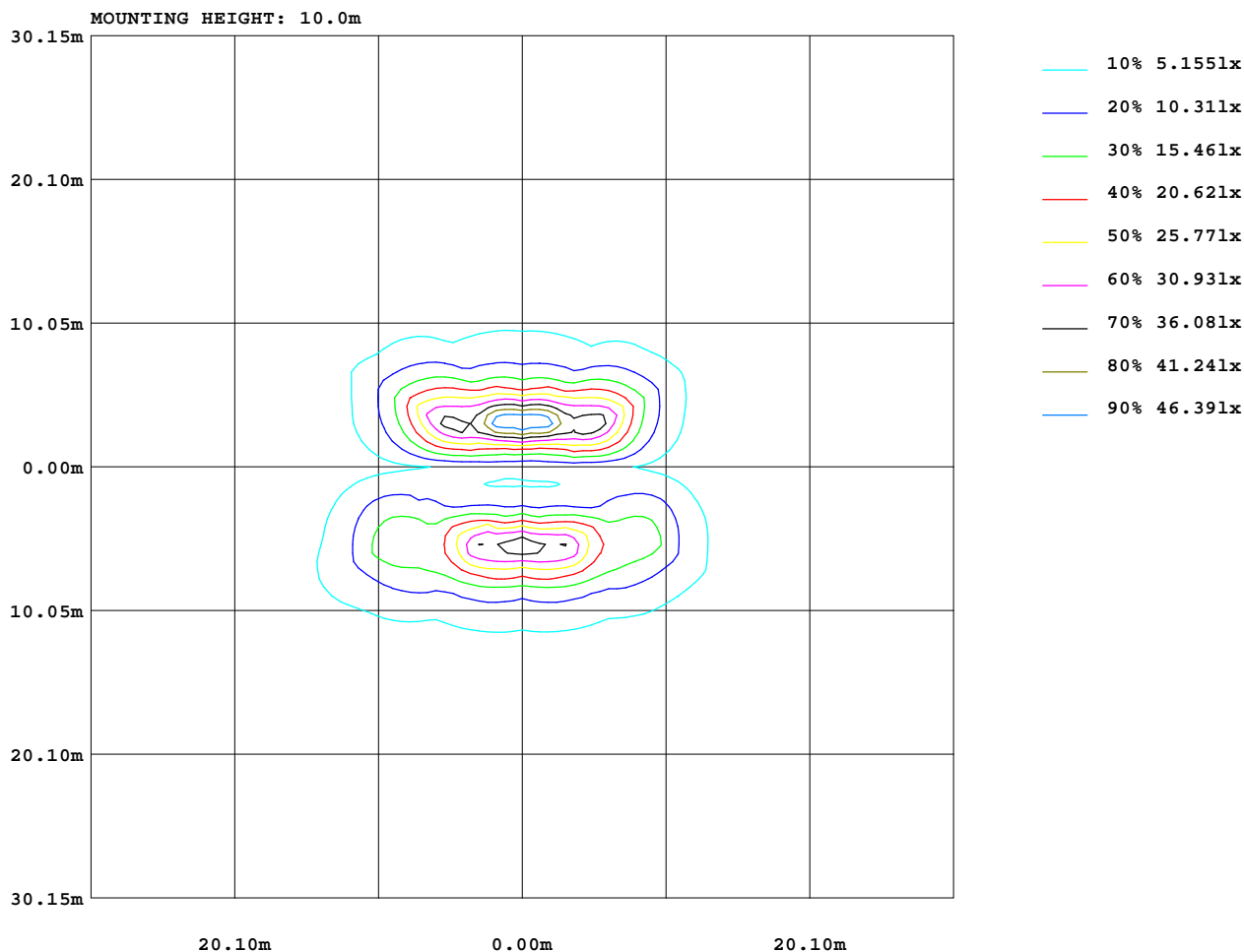
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

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°64W	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°64W									TYPE:						WEIGHT:		
SPECIFICATION:									DIMENSION: 578*188mm						SERIAL No.:		

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.01	0.06	0.17	0.31	0.37	0.37	0.41	0.52	0.58	0.54	0.41	0.26	0.16	0.11	0.06	0.02	0.00	0.00	4.36	0.00		
90																						
80																						
70																						
60																						
50																						
40																						
30																						

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

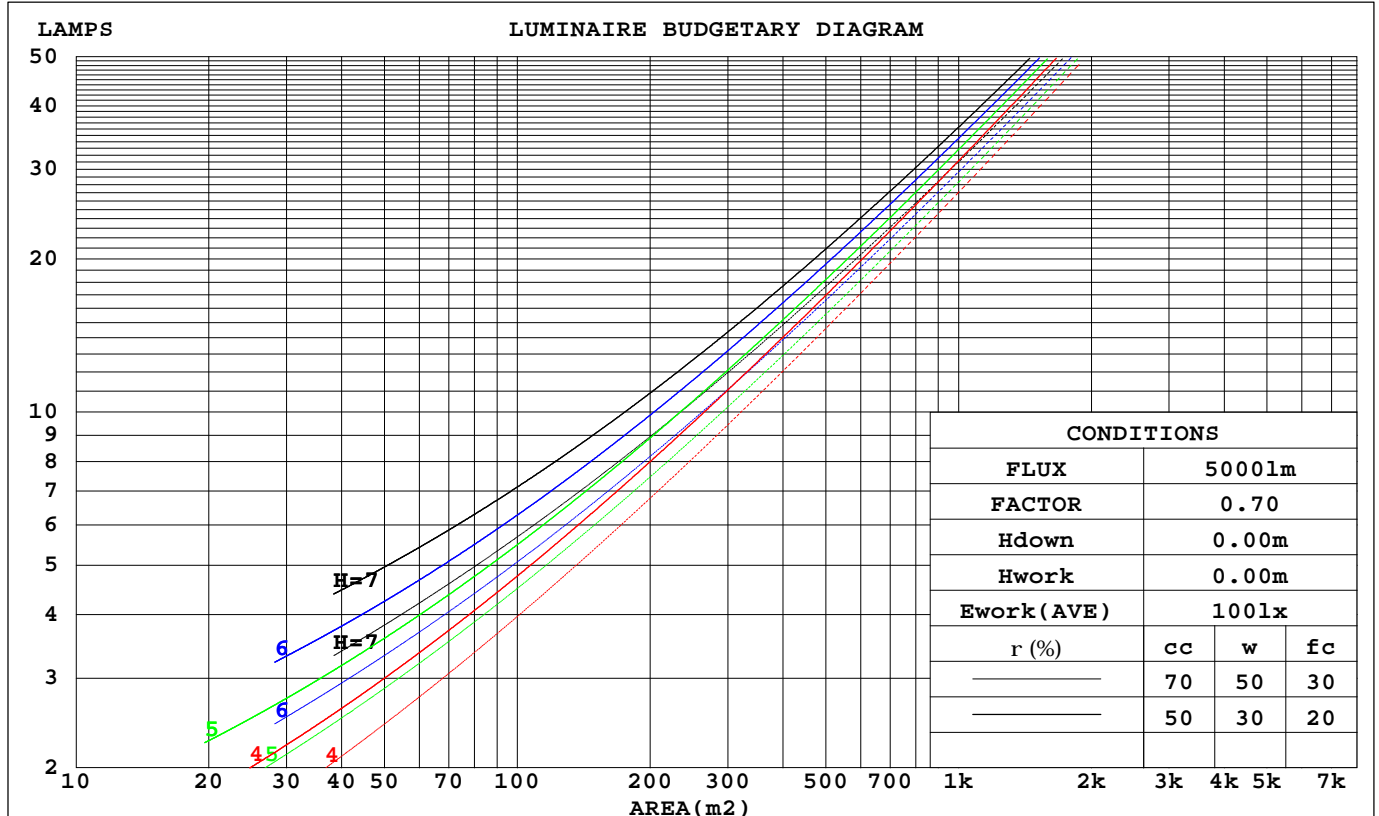
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:11.000 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: DS25°64W								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°64W						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	.230	.133	.043															
2.0	.266	.146	.045	.260	.143	.044	.248	.138	.043	.238	.133	.042	.228	.129	.041															
3.0	.252	.134	.040	.247	.132	.040	.237	.128	.039	.227	.125	.038	.219	.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	.192	.100	.029	.185	.098	.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	.162	.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	.153	.135	.119	.104	.093	.082	.060	.054	.048	.019	.017	.015	
2.0	.169	.133	.102	.145	.114	.088	.099	.079	.061	.057	.046	.036	.018	.015	.012	
3.0	.162	.115	.077	.139	.099	.067	.095	.069	.047	.055	.040	.028	.018	.013	.009	
4.0	.154	.101	.061	.133	.087	.053	.091	.061	.037	.053	.036	.022	.017	.012	.007	
5.0	.148	.091	.049	.127	.079	.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	.013	.015	.009	.004	
8.0	.129	.070	.029	.111	.061	.026	.077	.043	.018	.045	.025	.011	.014	.008	.004	
9.0	.124	.065	.026	.106	.057	.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°64W					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	2H	26.4	27.8	26.6	28.1	28.3	25.1	26.6	25.4	26.8	27.0
	3H	26.6	27.9	26.9	28.2	28.4	25.4	26.8	25.7	27.0	27.3
	4H	26.6	27.8	26.9	28.1	28.3	25.5	26.8	25.8	27.0	27.3
	6H	26.5	27.7	26.8	27.9	28.2	25.5	26.7	25.8	27.0	27.2
	8H	26.4	27.6	26.8	27.9	28.2	25.5	26.7	25.8	26.9	27.2
	12H	26.4	27.5	26.7	27.8	28.1	25.5	26.6	25.9	26.9	27.2
4H	2H	26.7	27.9	27.0	28.2	28.4	25.7	27.0	26.0	27.3	27.5
	3H	27.1	28.2	27.5	28.5	28.8	26.1	27.2	26.4	27.5	27.8
	4H	27.2	28.2	27.5	28.5	28.8	26.2	27.2	26.5	27.5	27.8
	6H	27.1	28.0	27.5	28.3	28.7	26.2	27.1	26.6	27.5	27.8
	8H	27.1	27.9	27.5	28.3	28.6	26.3	27.1	26.7	27.5	27.8
	12H	27.0	27.8	27.5	28.2	28.6	26.3	27.1	26.7	27.4	27.8
8H	4H	27.1	27.9	27.5	28.3	28.7	26.2	27.0	26.6	27.4	27.8
	6H	27.1	27.8	27.6	28.2	28.6	26.4	27.0	26.8	27.4	27.9
	8H	27.1	27.7	27.6	28.1	28.6	26.5	27.0	26.9	27.5	27.9
	12H	27.1	27.6	27.6	28.0	28.5	26.6	27.1	27.1	27.5	28.0
12H	4H	27.1	27.8	27.5	28.2	28.6	26.2	26.9	26.6	27.3	27.7
	6H	27.1	27.7	27.6	28.1	28.6	26.4	26.9	26.8	27.4	27.8
	8H	27.1	27.6	27.6	28.1	28.5	26.5	27.0	27.0	27.4	27.9
Variations with the observer position at spacings:											
S = 1.0H	+ 1.3 / - 0.9					+ 1.2 / - 1.5					
1.5H	+ 2.1 / - 4.1					+ 1.1 / - 1.1					
2.0H	+ 3.1 / - 5.7					+ 1.2 / - 1.2					

CIE Pub.117 Corrected 9193 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.7)

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°64W	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	98	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		

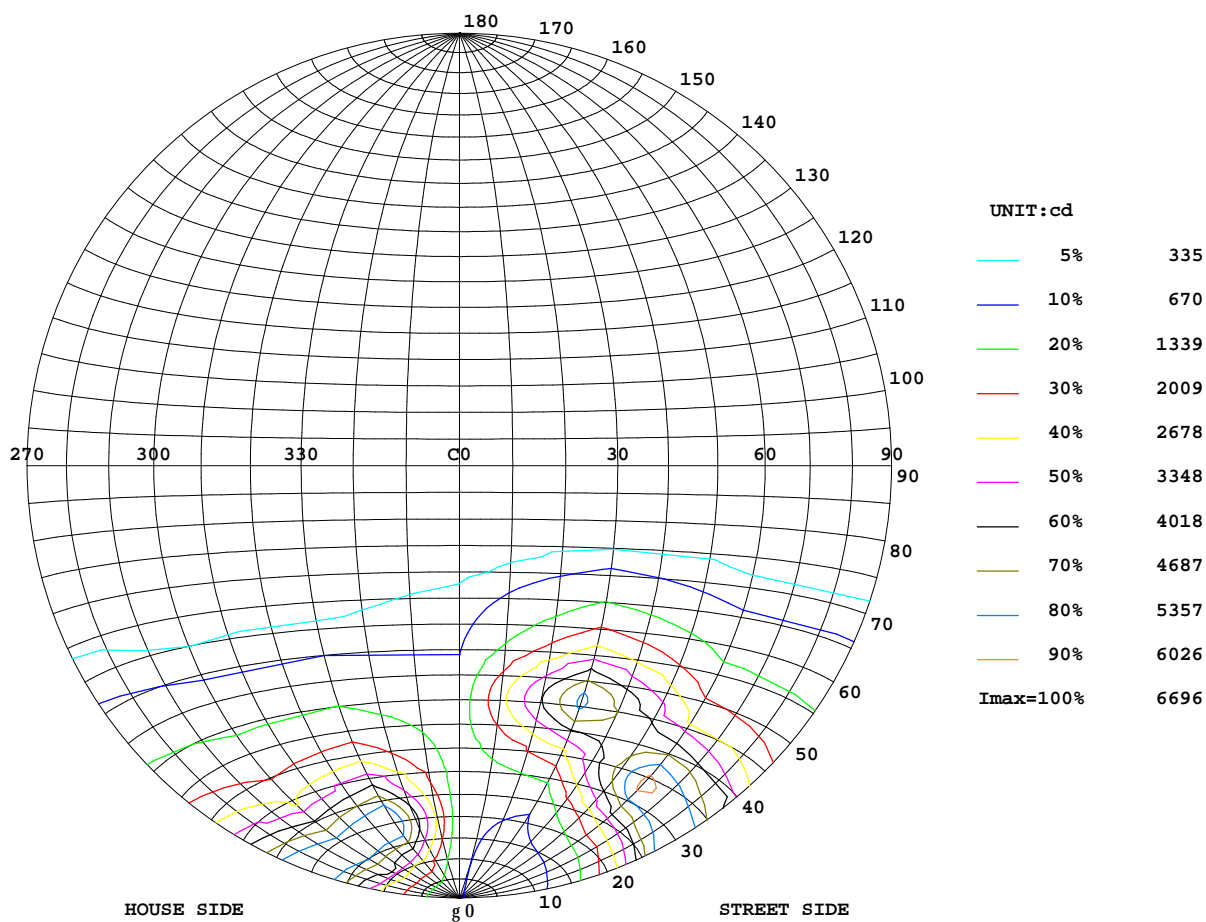
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 Temperature:25.3DEG
 Operators:
 Test Date:2019年08月13日

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°64W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:



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

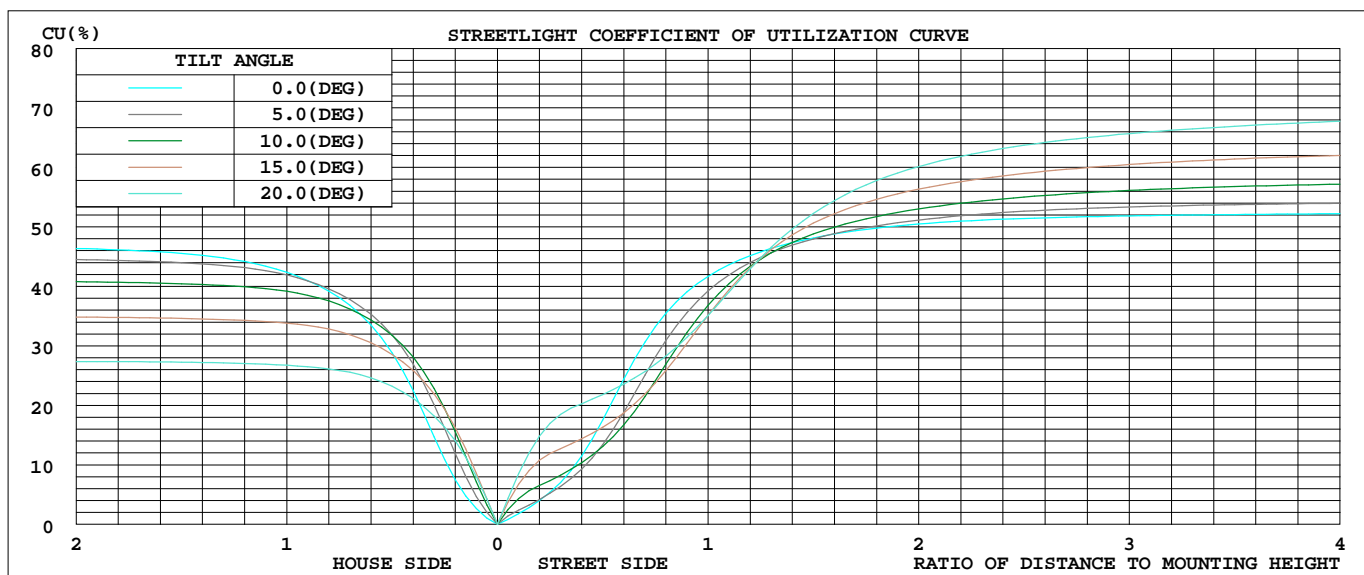
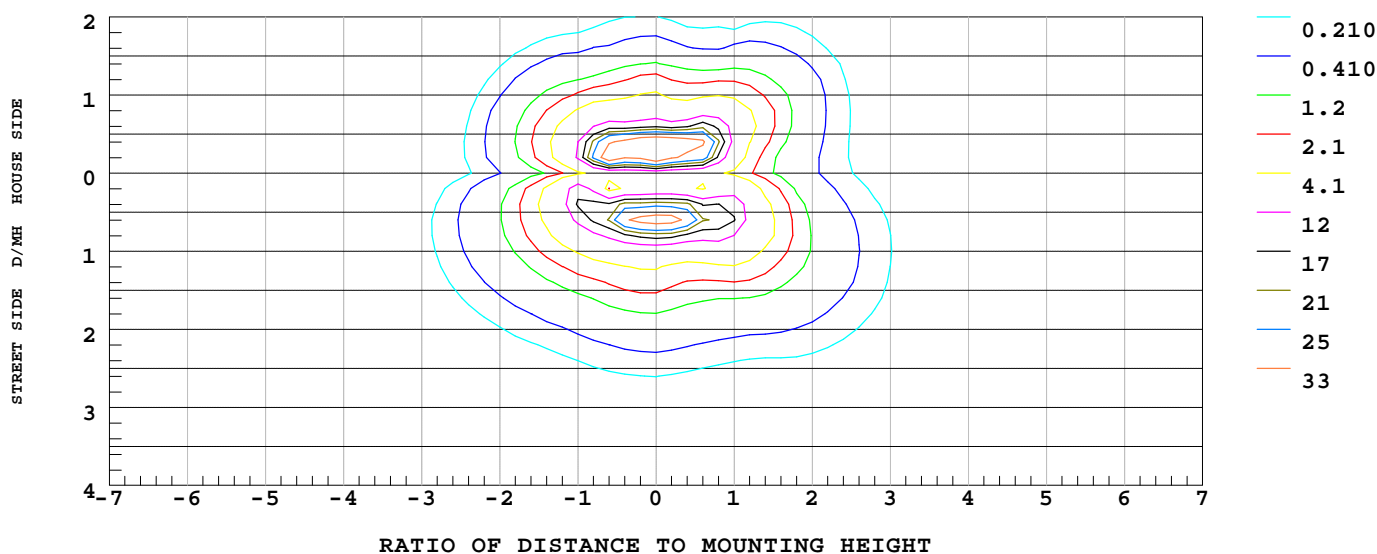
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:11.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: DS25°64W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 578*188mm	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 7.28 lx



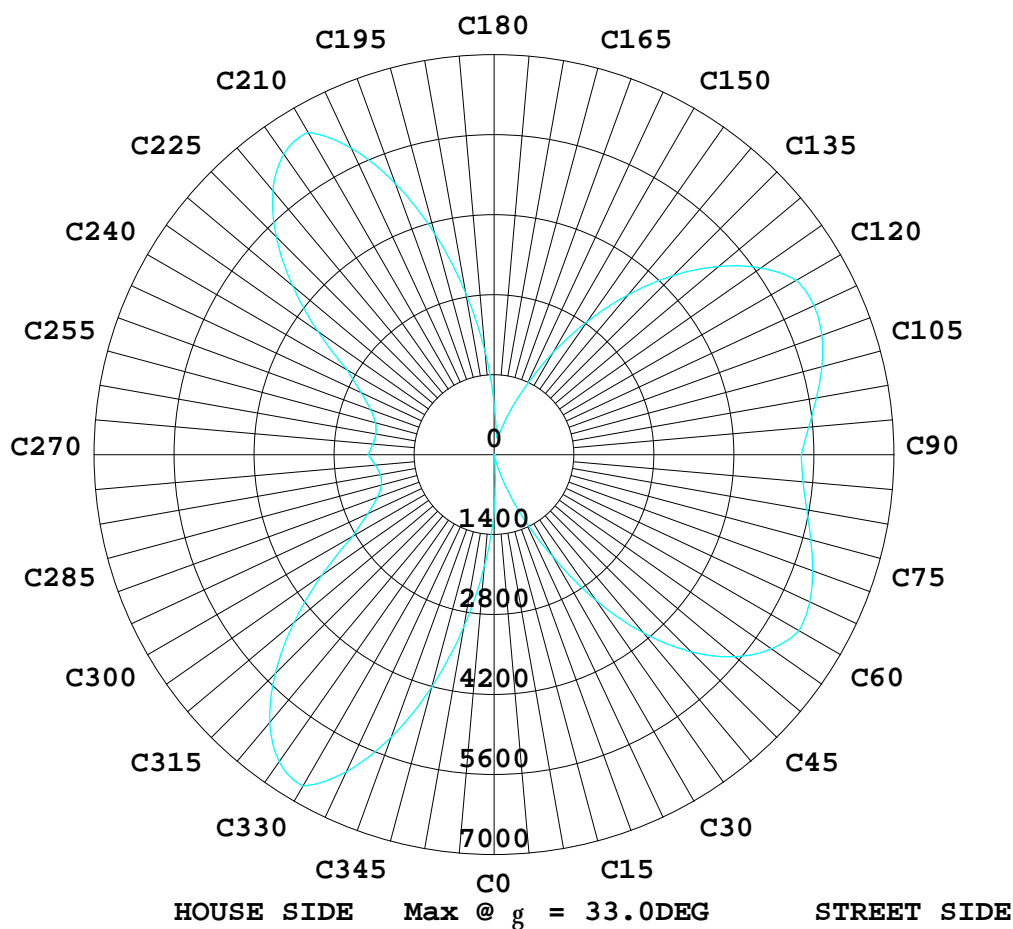
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2019年08月13日

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°64W	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: