

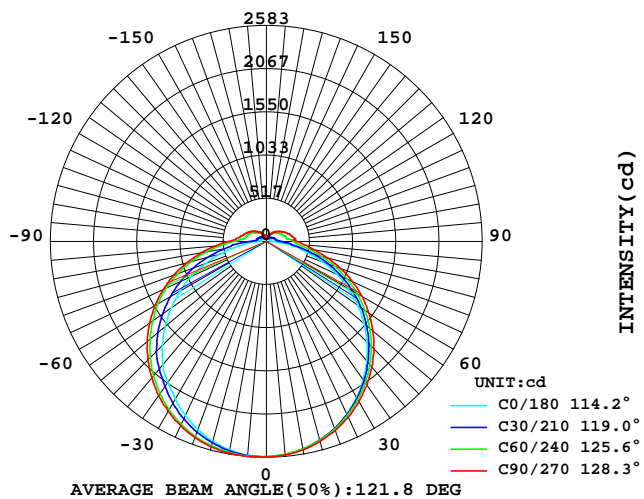
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

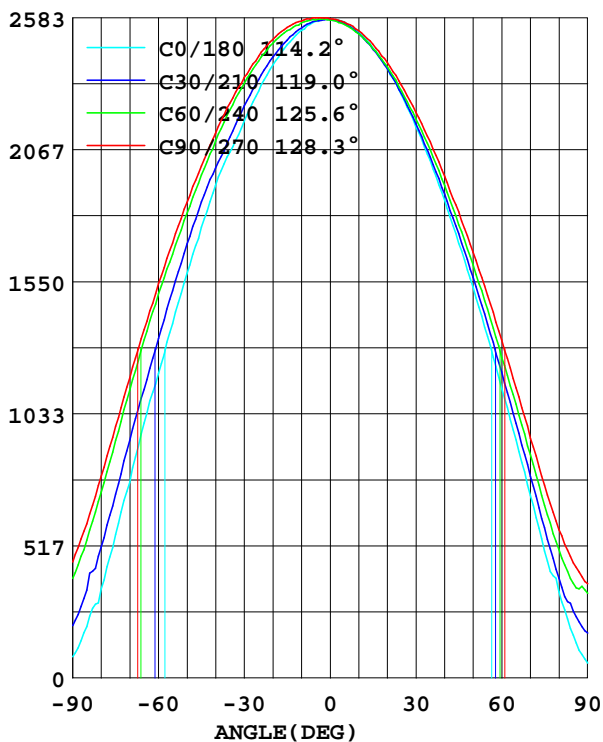
MANUFACTURER:		
Address:		
NAME: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	2583	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.35
NOMINAL POWER(W)	70	TOTAL FLUX(lm)	9301.0	Voltage(V)	230.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	135.4	Current(A)	0.314
NOMINAL FLUX(lm)	9301.0	h up(%)	9.9	Power(W)	68.69
LAMPS QUANTITY	1	h down(%)	90.1	Power Factor(PF)	0.949
TEST VOLTAGE(V)	230.2	Effective Flux(lm)	8570.9	EEI	0.109

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23日

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

Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

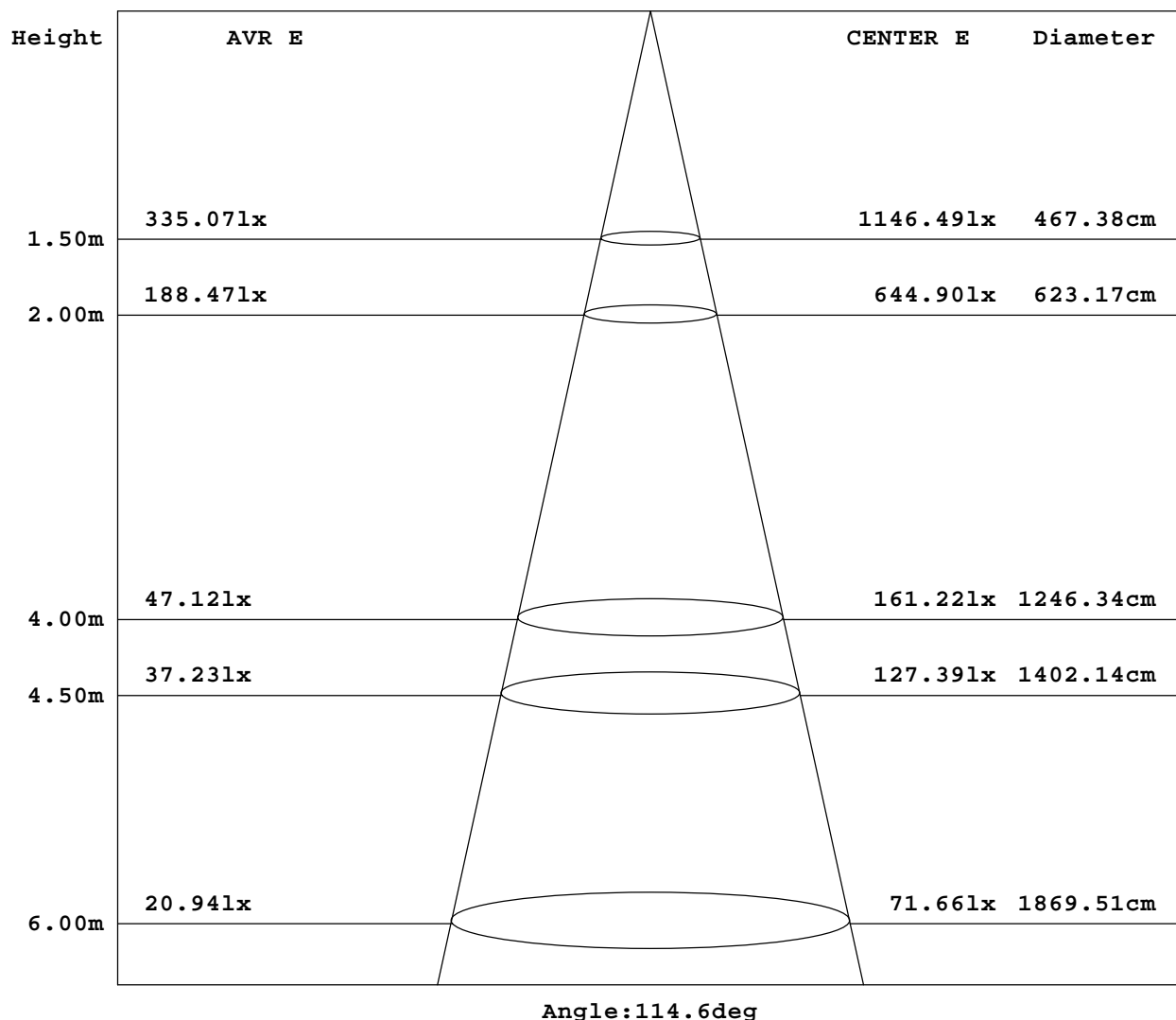
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23日

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: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018年07月23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: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tStal
5.0	2569	2573	2583	2563	2567	2558	2565	2557	0- 5	61.44	61.44
10.0	2534	2553	2570	2541	2528	2521	2533	2523	5- 10	182.5	243.9
15.0	2478	2514	2545	2501	2464	2460	2479	2469	10- 15	298.0	542.0
20.0	2397	2455	2498	2440	2386	2388	2408	2397	15- 20	404.5	946.5
25.0	2296	2378	2432	2359	2281	2292	2318	2304	20- 25	498.4	1445
30.0	2180	2282	2350	2266	2155	2178	2213	2192	25- 30	577.2	2022
35.0	2057	2169	2249	2152	2025	2052	2098	2069	30- 35	638.4	2661
40.0	1927	2047	2131	2021	1869	1910	1962	1938	35- 40	681.5	3342
45.0	1764	1915	2003	1882	1700	1756	1824	1791	40- 45	705.2	4048
50.0	1582	1758	1860	1728	1528	1592	1665	1625	45- 50	707.2	4755
55.0	1386	1586	1702	1559	1337	1414	1497	1449	50- 55	688.2	5443
60.0	1191	1416	1543	1387	1134	1226	1324	1264	55- 60	649.6	6093
65.0	997.7	1226	1363	1201	932.7	1034	1135	1071	60- 65	592.4	6685
70.0	764.7	1026	1173	1003	713.0	830.9	937.6	864.1	65- 70	518.0	7203
75.0	562.1	824.6	984.8	810.5	496.7	632.2	754.5	663.3	70- 75	429.0	7632
80.0	348.6	619.7	789.1	606.8	337.7	447.1	581.0	473.9	75- 80	333.2	7966
85.0	201.1	441.1	602.9	444.7	167.2	315.6	450.6	348.1	80- 85	243.9	8210
90.0	83.12	297.9	454.2	310.5	58.32	253.7	369.0	279.0	85- 90	175.1	8385
95.0	71.87	226.4	366.9	233.5	48.88	222.9	351.0	246.4	90- 95	132.6	8517
100.0	74.53	190.5	324.0	194.4	52.15	180.0	321.7	207.3	95-100	109.9	8627
105.0	68.36	182.3	290.5	185.7	50.33	173.8	300.9	196.4	100-105	100.5	8728
110.0	69.81	173.2	272.8	177.0	48.88	162.7	275.5	182.0	105-110	92.69	8820
115.0	65.09	162.1	251.3	167.3	54.44	149.0	255.5	167.8	110-115	83.74	8904
120.0	67.15	153.8	234.3	154.2	53.11	138.8	232.5	152.3	115-120	74.70	8979
125.0	64.85	134.3	217.1	144.4	61.58	130.6	208.2	135.2	120-125	65.75	9045
130.0	64.73	123.1	190.4	129.1	58.80	118.2	190.5	120.5	125-130	56.65	9101
135.0	62.31	111.6	170.9	119.7	59.29	104.2	168.6	105.3	130-135	47.61	9149
140.0	64.00	101.4	153.5	105.6	61.10	93.29	148.8	92.68	135-140	39.32	9188
145.0	57.59	89.90	136.7	95.65	58.92	83.30	128.0	82.70	140-145	32.10	9220
150.0	60.50	78.89	118.2	85.24	60.13	69.69	110.8	70.24	145-150	25.27	9246
155.0	59.16	74.77	106.2	78.52	61.22	61.95	87.36	62.13	150-155	19.37	9265
160.0	59.41	64.61	82.64	65.27	63.76	55.96	78.40	55.65	155-160	14.43	9279
165.0	57.47	55.41	71.63	57.29	58.80	51.66	62.55	50.75	160-165	10.03	9289
170.0	57.71	51.00	63.16	50.03	55.78	50.94	59.29	48.09	165-170	6.541	9296
175.0	60.98	49.06	52.03	47.00	56.99	51.66	61.95	51.72	170-175	3.796	9300
180.0	58.44	51.24	59.65	49.18	61.58	53.54	60.13	51.72	175-180	1.265	9301
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年07月23日

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

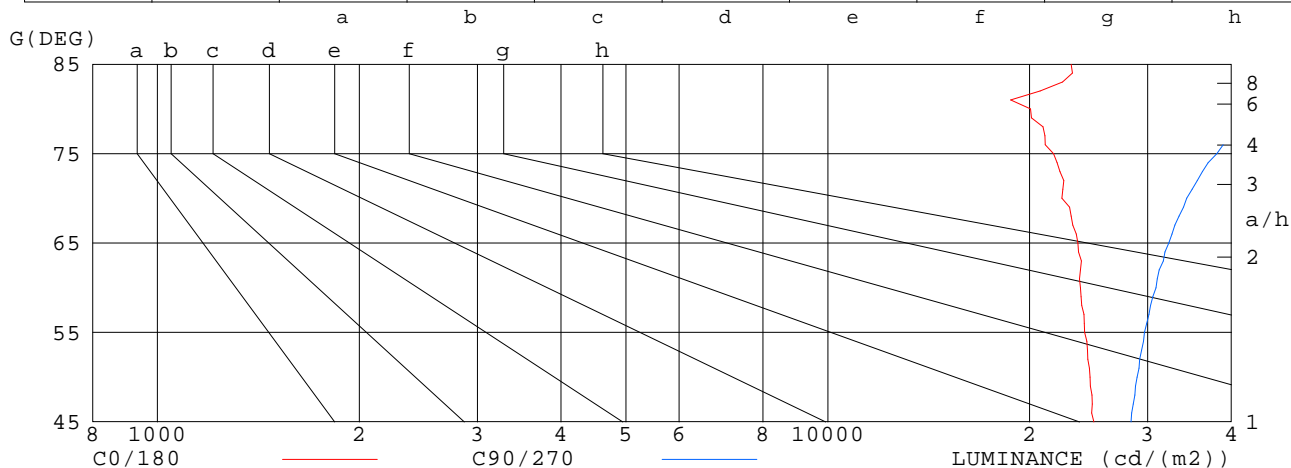
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	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	23074	69180
80	20075	45446
75	21720	38050
70	22359	34303
65	23609	32256
60	23825	30862
55	24165	29665
50	24607	28939
45	24951	28327

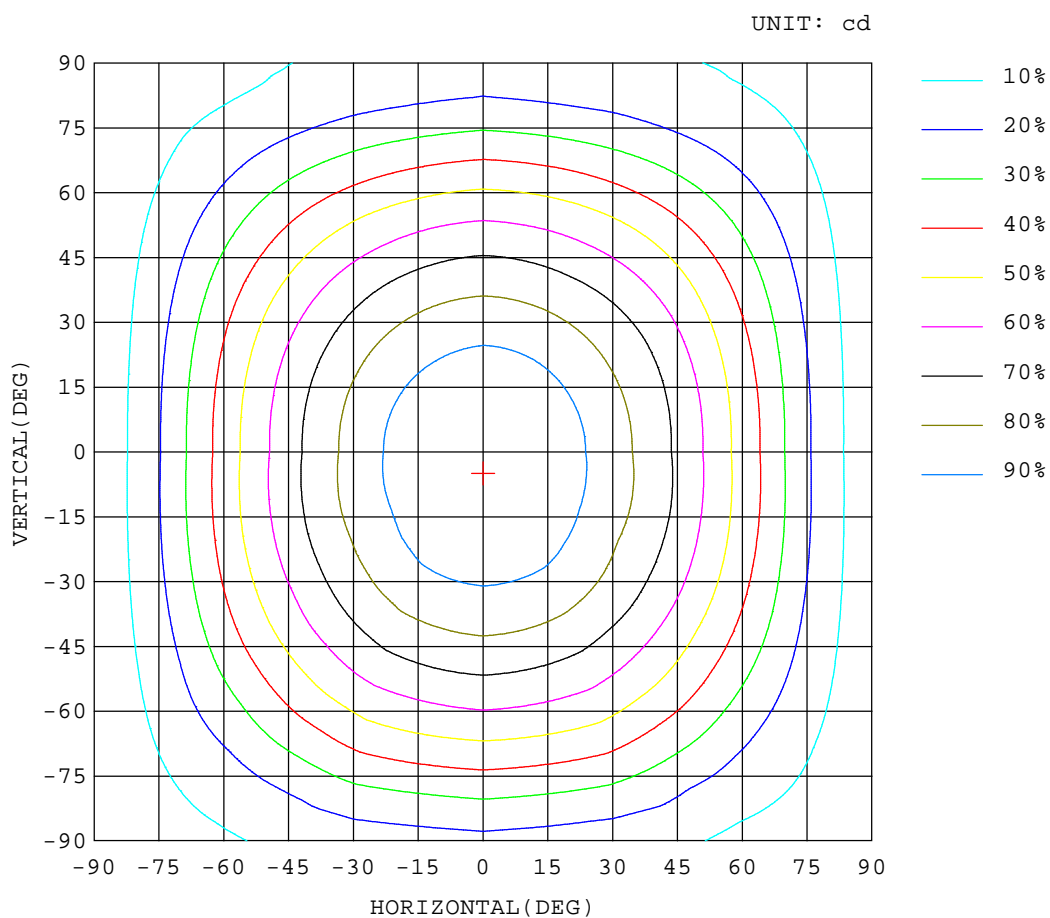
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23日

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: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



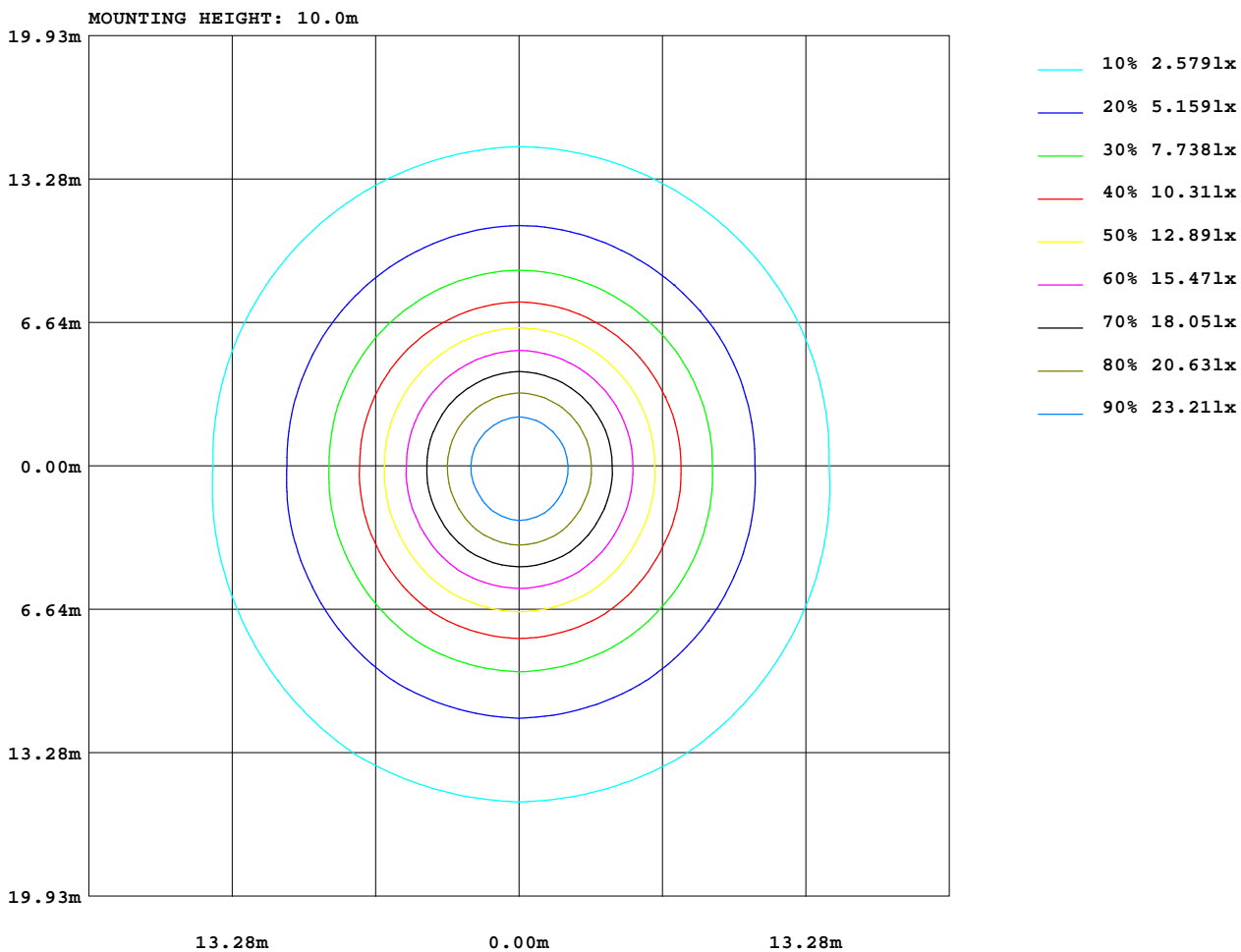
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23日

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: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23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: 70W 120°										TYPE:					WEIGHT:					
SPECIFICATION:										DIMENSION:					SERIAL No.:					

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.25	1.08	2.42	4.24	6.42	8.75	10.8	12.3	13.5	13.6	12.5	11.1	9.18	7.03	4.98	3.02	1.39	0.33	123	111		
90																						
80	0.29	1.48	3.54	6.36	10.0	13.9	17.5	20.4	22.4	22.5	20.7	18.0	14.5	10.5	6.88	3.98	1.81	0.38	196	191		
70	0.35	1.97	5.06	9.71	15.4	21.4	26.9	31.2	33.8	33.9	31.5	27.4	22.1	16.2	10.4	5.46	2.24	0.44	296	294		
60	0.41	2.53	6.80	13.2	21.0	28.9	36.0	41.5	44.8	44.9	41.9	36.6	29.7	21.8	14.0	7.37	2.72	0.51	395	394		
50	0.46	3.05	8.47	16.5	25.9	35.5	44.1	50.7	54.5	54.6	51.0	44.7	36.4	26.9	17.3	9.13	3.27	0.57	484	483		
40	0.52	3.50	9.93	19.2	30.1	41.1	51.0	58.5	62.8	62.9	58.9	51.7	42.2	31.2	20.1	10.6	3.79	0.61	559	559		
30	0.56	3.86	11.0	21.3	33.3	45.5	56.5	64.8	69.5	69.6	65.2	57.0	46.6	34.5	22.2	11.7	4.20	0.64	619	618		
	0.58	4.09	11.7	22.7	35.5	48.6	60.4	69.3	74.3	74.4	69.6	60.8	49.5	36.7	23.6	12.5	4.48	0.66	660	660		
	0.59	4.19	12.0	23.3	36.6	50.1	62.5	71.8	76.9	76.9	72.1	62.9	51.0	37.8	24.3	12.8	4.59	0.66	682	681		
	0.60	4.23	12.1	23.5	36.8	50.5	62.8	72.2	77.4	77.6	72.6	63.3	51.3	38.0	24.4	12.9	4.62	0.67	686	686		
	0.60	4.21	12.1	23.3	36.3	49.6	61.7	71.0	76.3	76.5	71.4	62.2	50.5	37.5	24.1	12.8	4.57	0.67	676	675		
-30	0.58	4.05	11.5	22.2	34.7	47.4	59.0	68.1	72.9	73.1	68.5	59.6	48.4	35.7	23.0	12.2	4.36	0.66	647	646		
-40	0.55	3.76	10.6	20.5	32.0	43.9	54.8	63.0	67.4	67.5	63.4	55.4	44.8	32.9	21.2	11.2	4.00	0.63	598	598		
-50	0.50	3.36	9.35	18.1	28.5	39.2	49.0	56.1	60.0	60.1	56.3	49.5	39.9	29.2	18.7	9.85	3.53	0.59	532	532		
-60	0.45	2.87	7.81	15.2	24.1	33.4	41.8	47.7	51.0	51.1	47.9	42.3	34.0	24.7	15.7	8.18	3.01	0.52	452	451		
-70	0.39	2.32	6.12	11.8	19.0	26.5	33.3	37.9	40.7	40.8	38.2	33.8	27.0	19.4	12.1	6.32	2.52	0.45	359	358		
-80	0.33	1.82	4.52	8.38	13.4	19.0	23.9	27.2	29.3	29.3	27.3	24.1	19.3	13.7	8.66	4.73	1.92	0.38	258	255		
-90	0.28	1.35	3.19	5.70	8.69	11.9	14.8	16.8	18.1	18.1	16.8	14.8	12.0	8.60	5.46	3.03	1.36	0.32	162	153		
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	8.27	53.7	149	286	448	616	768	881	946	948	887	776	629	463	298	158	58.4	9.66	9301			
Φ a	2.04	46.7	144	283	448	616	768	881	946	948	887	776	629	463	296	154	52.3	3.82		8571		

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年07月23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: 70W 120°					TYPE:			WEIGHT:		
SPECIFICATION:					DIMENSION:			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	23.5	24.9	23.9	25.3	25.7	24.5	25.9	24.9	26.3	26.7
3H	25.1	26.5	25.6	26.9	27.3	26.7	28.0	27.1	28.4	28.8
4H	25.8	27.1	26.3	27.5	28.0	27.7	29.0	28.2	29.4	29.9
6H	26.3	27.5	26.8	27.9	28.4	28.8	30.0	29.3	30.4	30.9
8H	26.5	27.6	27.0	28.1	28.6	29.3	30.5	29.8	30.9	31.4
12H	26.7	27.8	27.2	28.3	28.8	29.9	31.0	30.4	31.5	32.0
4H 2H	24.4	25.6	24.8	26.1	26.5	25.1	26.4	25.6	26.8	27.3
3H	26.2	27.3	26.7	27.8	28.3	27.5	28.6	28.0	29.1	29.6
4H	27.0	28.0	27.5	28.5	29.1	28.7	29.7	29.2	30.2	30.8
6H	27.7	28.6	28.2	29.1	29.7	30.0	30.9	30.5	31.4	32.0
8H	27.9	28.8	28.5	29.3	29.9	30.6	31.5	31.2	32.0	32.6
12H	28.2	29.0	28.8	29.5	30.1	31.3	32.1	31.9	32.6	33.3
8H 4H	27.6	28.4	28.2	29.0	29.6	29.0	29.9	29.6	30.4	31.0
6H	28.5	29.2	29.1	29.8	30.4	30.5	31.2	31.1	31.8	32.5
8H	28.9	29.5	29.5	30.1	30.8	31.4	32.0	32.0	32.6	33.2
12H	29.3	29.9	29.9	30.5	31.2	32.3	32.8	32.9	33.4	34.1
12H 4H	27.7	28.5	28.3	29.1	29.7	29.1	29.8	29.6	30.4	31.0
6H	28.7	29.4	29.3	30.0	30.6	30.6	31.3	31.2	31.9	32.5
8H	29.3	29.8	29.9	30.4	31.1	31.5	32.1	32.2	32.7	33.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 9301 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.7)

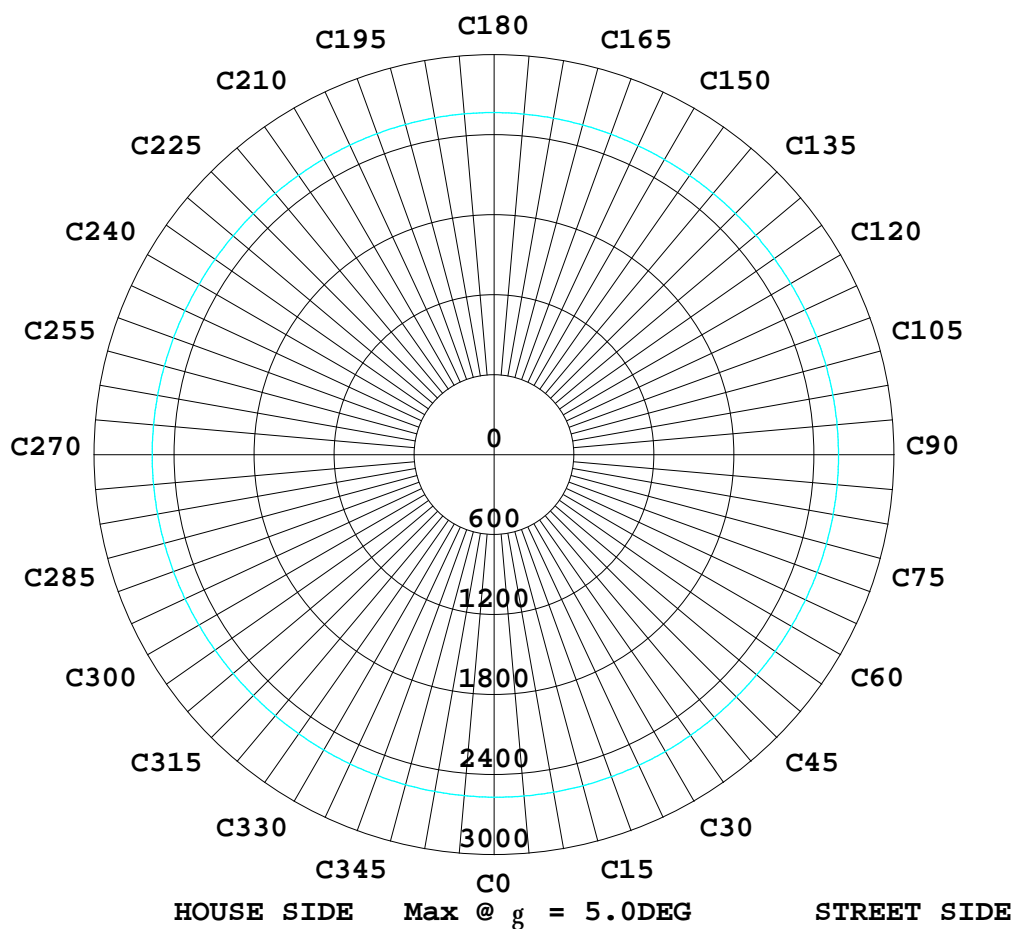
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年07月23日

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: 70W 120°	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年07月23日

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