

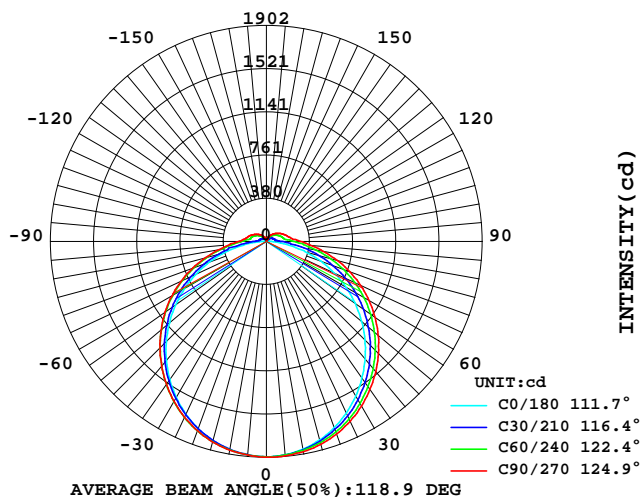
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

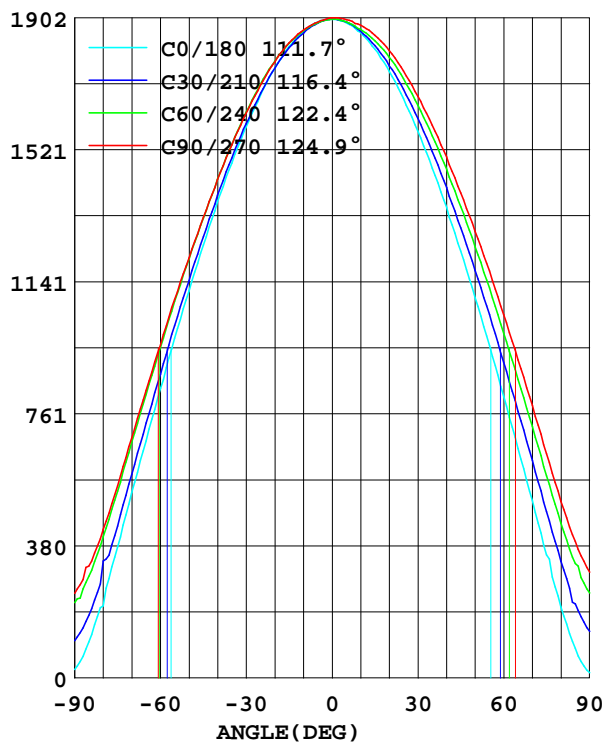
MANUFACTURER:		
Address:		
NAME: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1902	S/MH(C0/180)	1.24
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.27
NOMINAL POWER(W)	48	TOTAL FLUX(lm)	6455.5	Voltage(V)	230.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	132.5	Current(A)	0.218
NOMINAL FLUX(lm)	6455.5	h up(%)	7.6	Power(W)	48.72
LAMPS QUANTITY	1	h down(%)	92.4	Power Factor(PF)	0.968
TEST VOLTAGE(V)	230.1	Effective Flux(lm)	6001.4	EEI	0.111

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月08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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

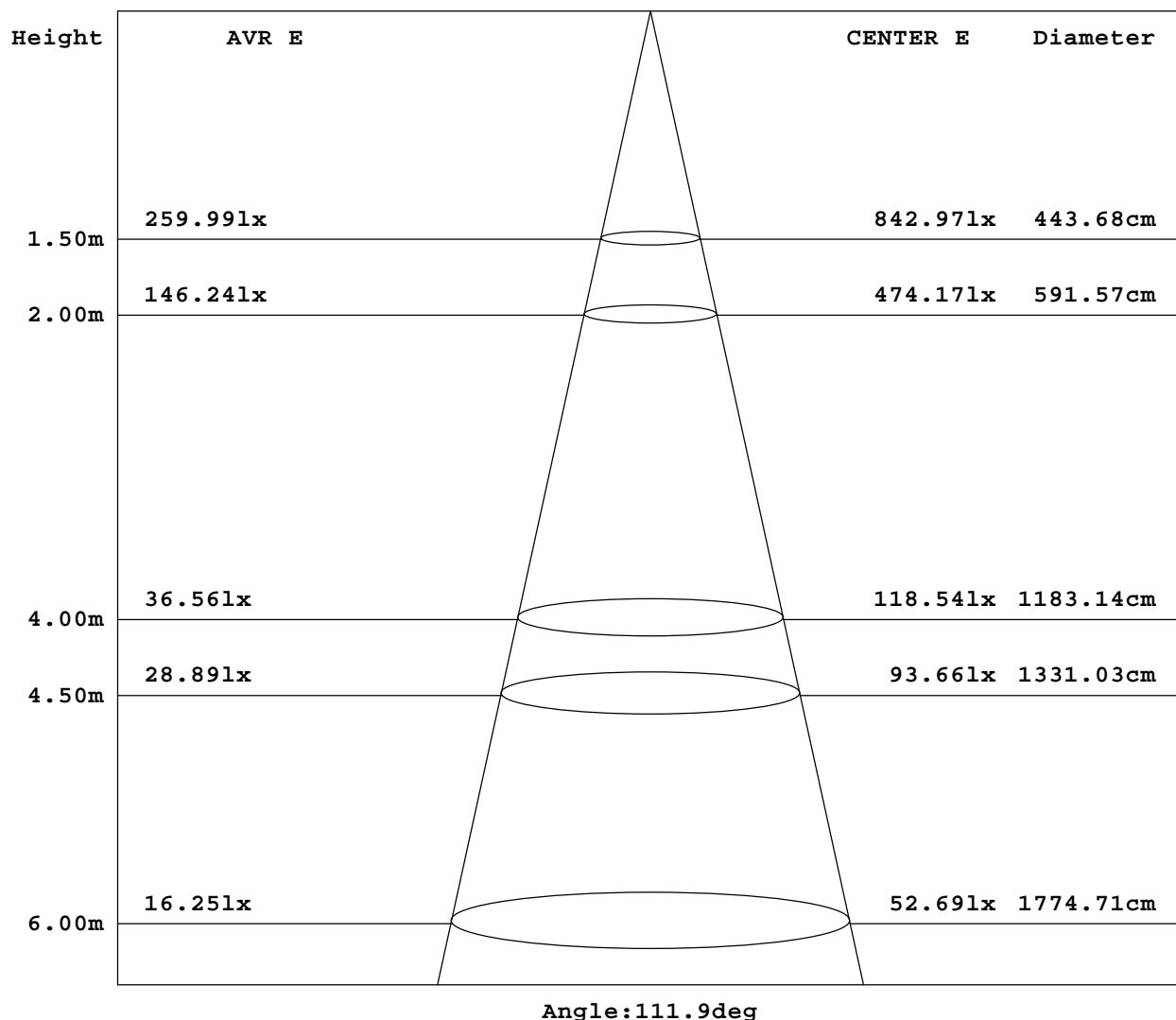
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年08月08日

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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018年08月08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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	Zone	tStal
5.0	1889	1886	1889	1883	1887	1889	1895	1891	0- 5	45.25	45.25
10.0	1863	1861	1866	1855	1858	1866	1880	1869	5- 10	134.2	179.4
15.0	1819	1821	1829	1812	1811	1828	1851	1835	10- 15	218.8	398.2
20.0	1755	1765	1774	1753	1746	1775	1806	1784	15- 20	296.3	694.6
25.0	1680	1698	1708	1683	1669	1711	1748	1722	20- 25	364.1	1059
30.0	1588	1614	1627	1597	1575	1631	1676	1643	25- 30	420.2	1479
35.0	1483	1517	1535	1498	1468	1538	1591	1551	30- 35	463.0	1942
40.0	1372	1414	1436	1395	1355	1439	1500	1453	35- 40	491.3	2433
45.0	1247	1298	1327	1277	1229	1327	1397	1340	40- 45	504.8	2938
50.0	1114	1174	1209	1154	1095	1207	1285	1221	45- 50	503.7	3442
55.0	978.8	1049	1090	1027	957.2	1085	1172	1099	50- 55	488.0	3930
60.0	833.9	913.2	959.4	891.4	811.4	951.3	1047	965.4	55- 60	458.4	4389
65.0	682.8	775.0	828.6	752.9	660.6	813.2	915.8	826.6	60- 65	415.9	4805
70.0	533.8	632.5	691.0	611.1	510.0	675.1	784.9	688.3	65- 70	361.8	5166
75.0	377.7	487.5	553.3	466.8	354.6	530.6	645.4	542.6	70- 75	298.3	5465
80.0	207.7	372.1	427.9	334.6	204.6	390.8	508.4	400.9	75- 80	230.5	5695
85.0	103.4	236.3	322.3	220.7	85.06	271.4	393.0	274.7	80- 85	162.2	5857
90.0	24.44	162.5	243.6	154.0	15.12	189.1	304.1	193.4	85- 90	109.9	5967
95.0	12.94	132.4	206.5	127.4	8.591	142.9	233.6	145.6	90- 95	80.41	6048
100.0	12.82	106.0	180.5	103.9	10.04	118.3	211.3	118.0	95-100	62.81	6111
105.0	13.18	101.1	167.3	99.70	10.64	110.4	191.1	111.3	100-105	56.61	6167
110.0	13.91	94.50	154.3	92.92	11.73	102.0	174.4	102.4	105-110	51.58	6219
115.0	14.39	84.39	139.7	85.42	13.18	93.35	158.8	92.20	110-115	45.86	6265
120.0	15.12	75.62	124.5	77.19	14.15	84.39	142.6	81.55	115-120	39.95	6305
125.0	15.60	66.67	112.2	69.99	14.52	75.74	126.8	69.75	120-125	34.18	6339
130.0	15.85	58.01	99.09	62.37	15.24	66.97	111.9	60.68	125-130	28.49	6367
135.0	16.81	50.09	85.78	54.26	16.09	58.98	96.80	52.09	130-135	23.34	6391
140.0	17.18	42.59	74.29	47.18	16.69	50.45	83.61	44.52	135-140	18.64	6409
145.0	17.54	36.78	61.95	39.99	16.94	43.13	70.54	37.99	140-145	14.54	6424
150.0	17.90	31.15	50.33	32.91	17.42	35.81	57.83	31.82	145-150	10.91	6435
155.0	18.02	25.89	39.08	26.80	18.02	28.97	45.85	26.74	150-155	7.855	6443
160.0	17.66	21.78	29.64	21.77	17.54	23.47	35.21	22.20	155-160	5.376	6448
165.0	17.90	18.75	20.93	18.69	17.78	19.42	25.77	19.11	160-165	3.526	6452
170.0	18.27	17.90	17.06	17.84	18.15	17.78	19.11	17.78	165-170	2.209	6454
175.0	18.27	17.96	17.30	17.96	18.15	18.15	19.48	18.02	170-175	1.291	6455
180.0	18.27	18.15	17.78	17.84	18.27	17.96	19.11	17.72	175-180	0.433	6456
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月08日

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

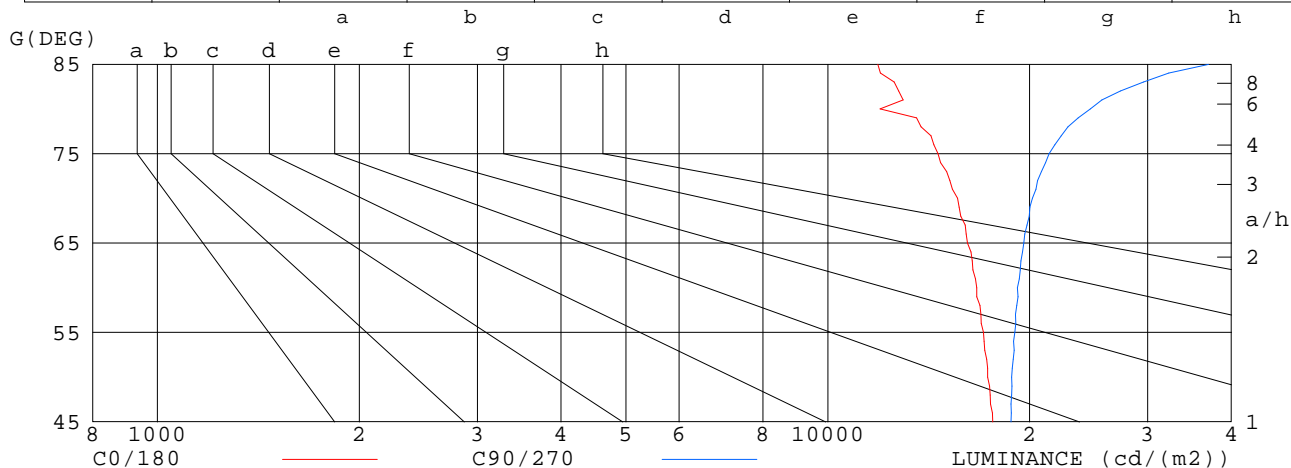
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:		
Address:		
NAME: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	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	11870	36985
80	11964	24646
75	14596	21379
70	15609	20204
65	16156	19607
60	16679	19188
55	17066	19009
50	17324	18805
45	17629	18762

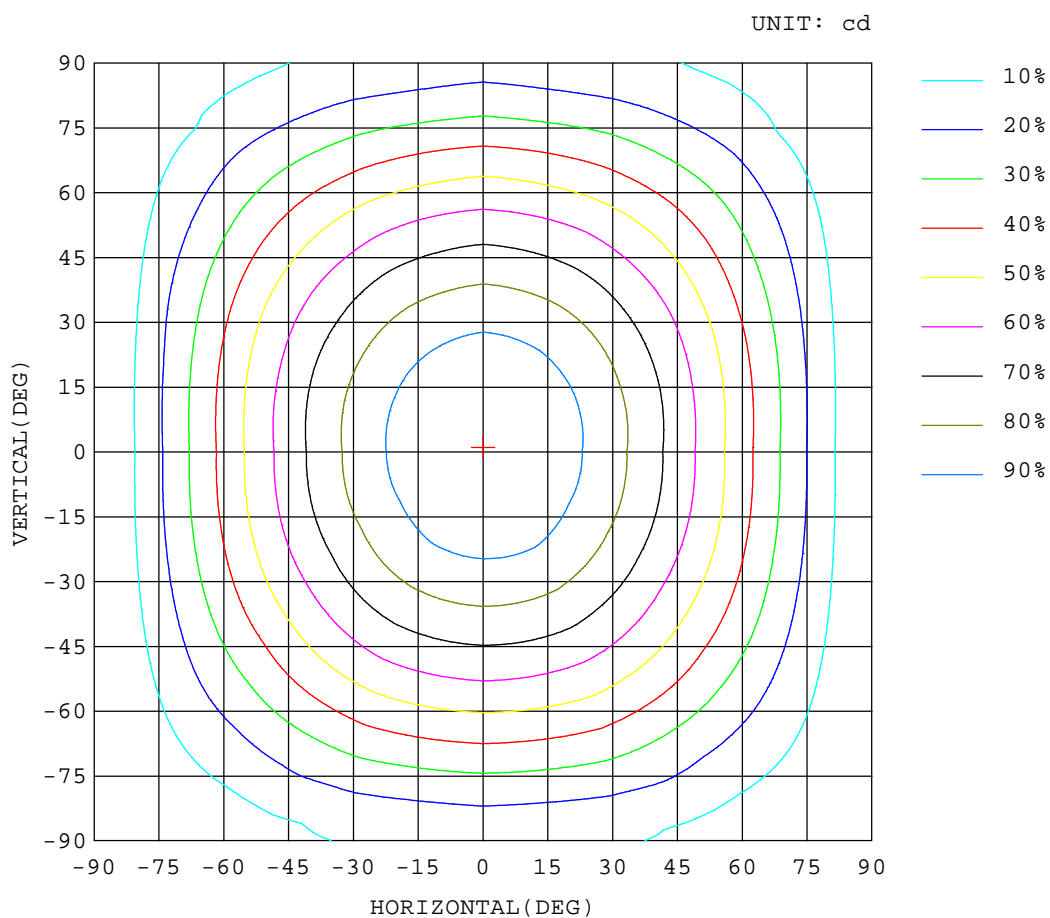
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年08月08日

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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



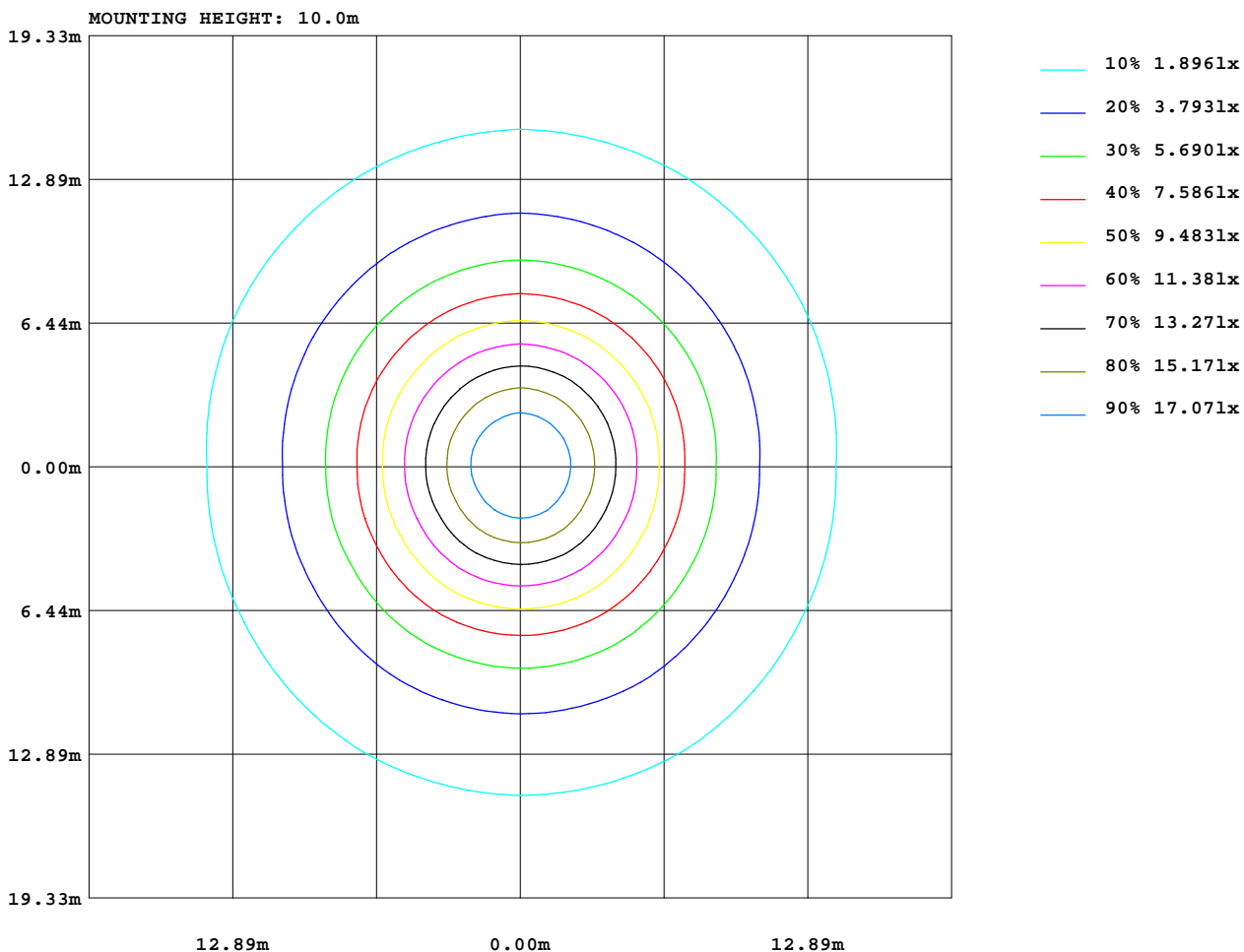
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年08月08日

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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年08月08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: 120° 50W										TYPE:					WEIGHT:					
SPECIFICATION:										DIMENSION: 1500X65mm					SERIAL No.:					

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm			Φ t	Φ a			
	0.12	0.72	1.84	3.41	5.28	7.37	9.24	10.6	11.7	11.7	10.7	9.43	7.58	5.44	3.52	1.94	0.79	0.15	102	93.5						
90																										
80	0.15	1.01	2.80	5.48	8.71	12.1	15.2	17.5	19.1	19.2	17.7	15.4	12.3	8.94	5.67	2.92	1.10	0.19	166	162						
70	0.19	1.39	4.10	8.05	12.6	17.5	21.9	25.2	27.3	27.4	25.4	22.1	17.8	12.9	8.30	4.29	1.51	0.23	239	237						
60	0.23	1.82	5.38	10.5	16.5	22.6	28.2	32.4	34.9	35.0	32.6	28.5	23.0	16.8	10.7	5.60	1.95	0.27	308	307						
50	0.27	2.22	6.52	12.6	19.8	27.2	33.8	38.9	41.8	41.8	39.1	34.2	27.5	20.2	13.0	6.76	2.36	0.31	369	368						
40	0.30	2.55	7.46	14.4	22.6	31.0	38.6	44.4	47.7	47.8	44.7	38.9	31.4	23.0	14.8	7.72	2.69	0.35	421	420						
30	0.32	2.79	8.15	15.8	24.7	34.0	42.3	48.7	52.3	52.5	49.0	42.7	34.4	25.1	16.1	8.42	2.94	0.38	461	461						
	0.34	2.93	8.57	16.6	26.1	35.9	44.8	51.6	55.4	55.5	51.9	45.2	36.3	26.4	16.9	8.85	3.09	0.39	487	487						
	0.34	2.96	8.67	16.8	26.5	36.6	45.9	52.9	56.8	56.9	53.2	46.2	37.0	26.9	17.2	8.96	3.12	0.39	498	498						
	0.33	2.93	8.61	16.7	26.3	36.4	45.6	52.6	56.6	56.7	52.9	46.0	36.8	26.7	17.1	8.91	3.10	0.39	495	495						
	0.33	2.86	8.38	16.2	25.5	35.2	44.0	50.9	54.8	55.0	51.3	44.5	35.7	26.0	16.6	8.69	3.03	0.38	480	479						
-30	0.31	2.69	7.85	15.2	23.9	32.9	41.2	47.7	51.2	51.4	48.2	41.8	33.4	24.4	15.6	8.16	2.85	0.37	450	449						
-40	0.28	2.41	7.05	13.7	21.5	29.7	37.3	43.0	46.1	46.2	43.4	37.8	30.3	22.0	14.1	7.36	2.58	0.34	406	405						
-50	0.25	2.06	6.02	11.7	18.6	25.8	32.4	37.2	39.8	39.9	37.5	32.9	26.3	19.1	12.1	6.32	2.23	0.30	351	350						
-60	0.21	1.64	4.84	9.45	15.1	21.1	26.6	30.4	32.6	32.7	30.8	27.1	21.7	15.6	9.87	5.11	1.82	0.25	287	286						
-70	0.17	1.21	3.58	7.03	11.3	15.9	20.1	23.0	24.8	24.9	23.3	20.6	16.4	11.8	7.39	3.89	1.37	0.21	217	215						
-80	0.13	0.84	2.28	4.57	7.51	10.6	13.4	15.3	16.6	16.7	15.6	13.8	11.1	7.94	4.97	2.52	0.97	0.16	145	141						
-90	0.10	0.56	1.39	2.64	4.29	6.15	7.76	8.86	9.66	9.73	9.06	8.06	6.48	4.58	2.87	1.55	0.65	0.13	84.5	72.5						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	4.37	35.6	104	201	318	439	549	632	680	682	637	556	446	325	207	108	38.2	5.16	6456							
Φ a	0.34	29.6	98.4	197	316	439	549	632	680	682	637	556	446	323	204	103	32.6	0.96		6001						

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月08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: 120° 50W					TYPE:			WEIGHT:			
SPECIFICATION:					DIMENSION: 1500X65mm			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	22.1	23.6	22.5	23.9	24.3	22.7	24.2	23.1	24.5	24.9	
	23.7	25.1	24.1	25.4	25.8	24.7	26.0	25.1	26.4	26.8	
	24.4	25.6	24.8	26.0	26.4	25.6	26.9	26.0	27.2	27.7	
	24.8	26.0	25.3	26.4	26.9	26.5	27.7	26.9	28.1	28.5	
	25.0	26.1	25.4	26.6	27.0	26.9	28.1	27.4	28.5	28.9	
	25.1	26.2	25.5	26.6	27.1	27.4	28.5	27.9	29.0	29.4	
4H	2H	22.9	24.2	23.3	24.6	25.0	23.4	24.6	23.8	25.0	25.4
	3H	24.7	25.8	25.1	26.2	26.7	25.5	26.6	25.9	27.0	27.5
	4H	25.4	26.5	25.9	26.9	27.4	26.6	27.6	27.1	28.0	28.5
	6H	26.1	27.0	26.6	27.5	28.0	27.6	28.5	28.1	29.0	29.6
	8H	26.3	27.1	26.8	27.6	28.2	28.2	29.0	28.7	29.5	30.1
	12H	26.4	27.2	27.0	27.7	28.3	28.8	29.6	29.3	30.1	30.6
8H	4H	25.9	26.8	26.4	27.3	27.8	26.9	27.7	27.4	28.2	28.8
	6H	26.7	27.5	27.3	28.0	28.6	28.2	28.9	28.7	29.4	30.0
	8H	27.1	27.7	27.7	28.3	28.9	28.9	29.5	29.5	30.1	30.7
	12H	27.3	27.9	27.9	28.5	29.1	29.7	30.2	30.3	30.8	31.5
12H	4H	26.0	26.8	26.5	27.3	27.9	26.9	27.7	27.4	28.2	28.8
	6H	26.9	27.6	27.5	28.1	28.7	28.3	28.9	28.8	29.5	30.1
	8H	27.3	27.9	27.9	28.5	29.1	29.0	29.6	29.6	30.2	30.8
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 6456 lm Total Lamp Luminous Flux.(8log(F/F0) = 6.5)

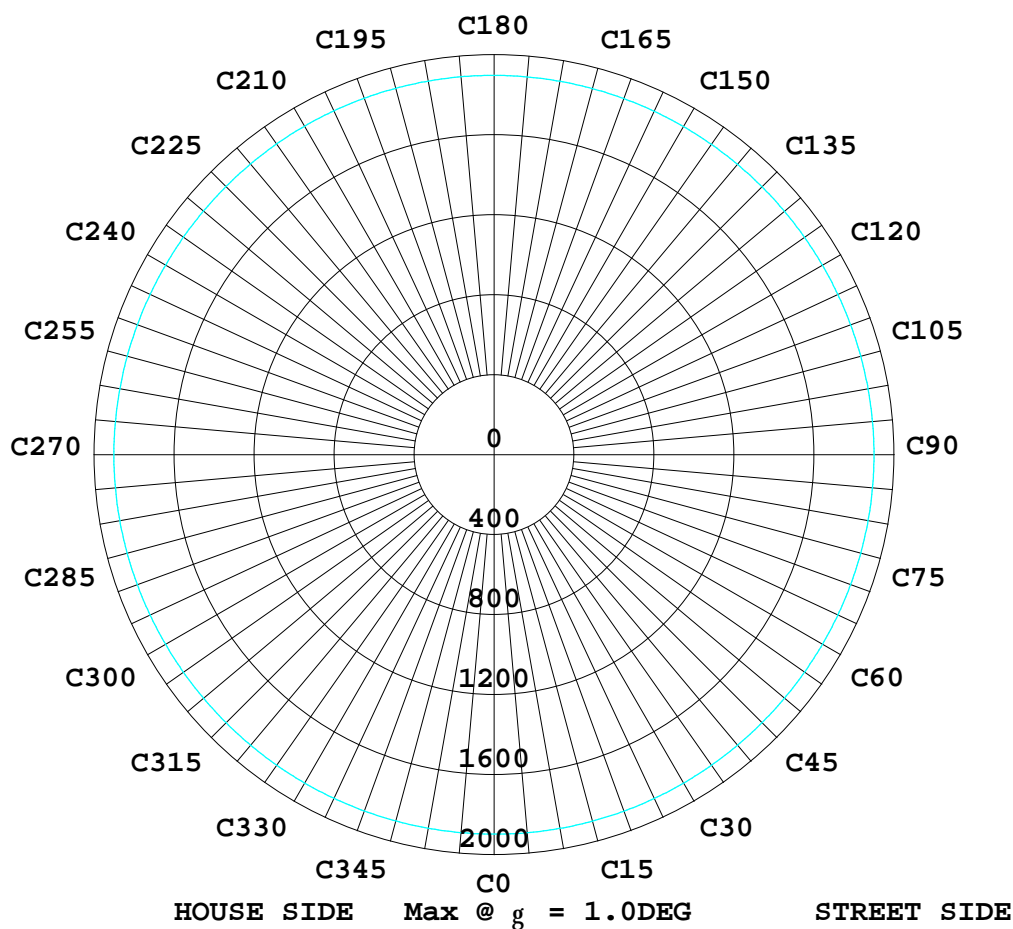
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2018年08月08日

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: 120° 50W	TYPE:	WEIGHT:
SPECIFICATION:	DIMENSION: 1500X65mm	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2018年08月08日

Test Set: 8.0deg/s C-Gamma (TYPE C)
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