

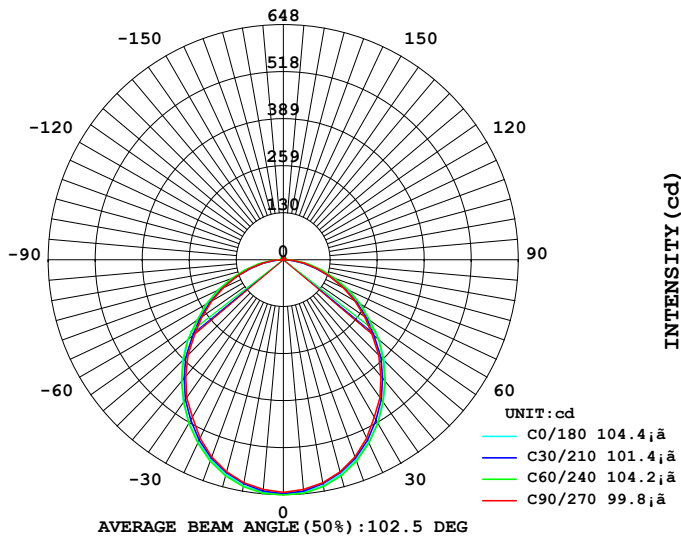
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

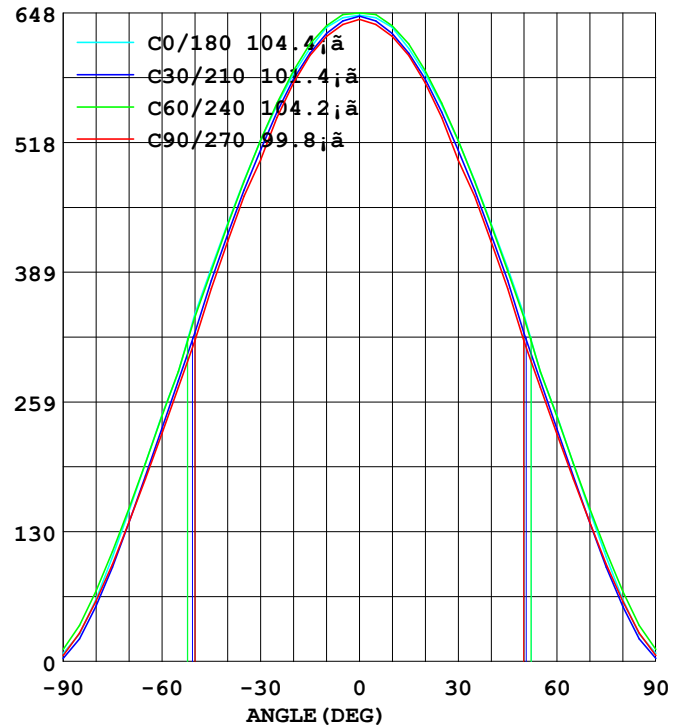
MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:

DATA OF LAMP		Imax (cd)	647.7	S/MH (C0/180)	1.21
MODEL	1002-1-1-1-1	EFFICIENCY (%)	100.0	S/MH (C90/270)	1.17
NOMINAL POWER (W)	18	TOTAL FLUX (lm)	1705.5	Voltage (V)	219.5
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	91.5	Current (A)	0.087
NOMINAL FLUX (lm)	1705.5	η up (%)	2.3	Power (W)	18.63
LAMPS QUANTITY	1	η down (%)	97.7	Power Factor (PF)	0.969
TEST VOLTAGE (V)	219.5	Effective Flux (lm)	1631.9	EEI	0.156

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 04-28-2023

Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 9.500 m
 Remarks: 3000K



Color Temperature Data List

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

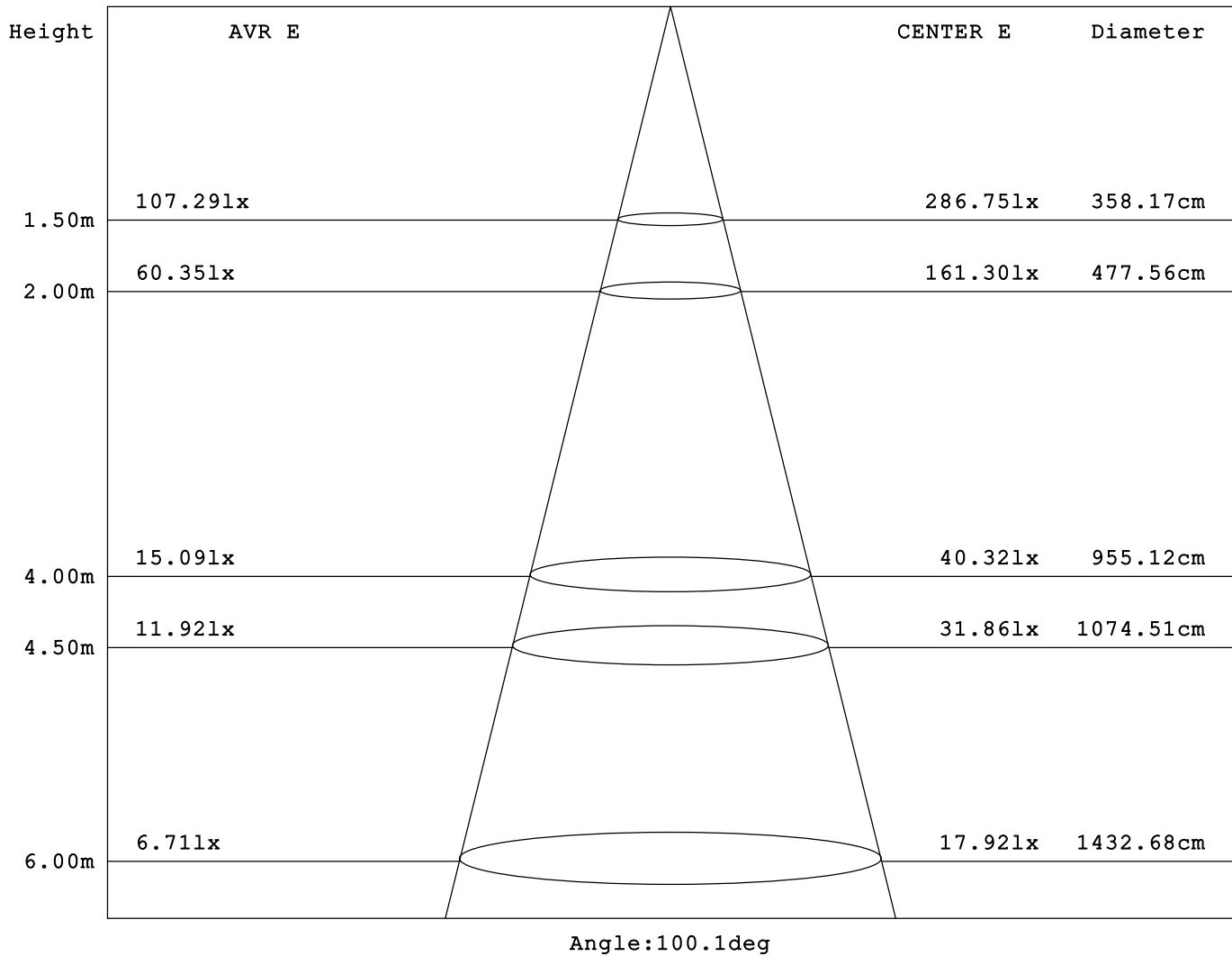
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
10.0	633.1	630.9	624.3	630.9	633.1	630.9	624.3	630.9	0- 10	60.87	60.87
20.0	586.8	585.9	577.9	585.9	586.8	585.9	577.9	585.9	10- 20	172.1	233.0
30.0	520.2	515.7	500.7	515.7	520.2	515.7	500.7	515.7	20- 30	254.0	487.1
40.0	437.1	431.2	419.4	431.2	437.1	431.2	419.4	431.2	30- 40	296.3	783.4
50.0	346.1	335.6	319.5	335.6	346.1	335.6	319.5	335.6	40- 50	296.1	1080
60.0	245.5	238.3	227.1	238.3	245.5	238.3	227.1	238.3	50- 60	255.0	1335
70.0	149.6	145.2	138.4	145.2	149.6	145.2	138.4	145.2	60- 70	189.2	1524
80.0	61.64	62.31	59.92	62.31	61.64	62.31	59.92	62.31	70- 80	108.0	1632
90.0	8.032	7.535	5.776	7.535	8.032	7.535	5.776	7.535	80- 90	34.49	1666
100.0	6.859	4.693	2.346	4.693	6.859	4.693	2.346	4.693	90-100	5.931	1672
110.0	6.768	4.963	3.158	4.963	6.768	4.963	3.158	4.963	100-110	5.083	1677
120.0	7.039	5.550	4.241	5.550	7.039	5.550	4.241	5.550	110-120	5.211	1683
130.0	7.581	6.317	5.324	6.317	7.581	6.317	5.324	6.317	120-130	5.345	1688
140.0	8.212	7.220	6.407	7.220	8.212	7.220	6.407	7.220	130-140	5.260	1693
150.0	8.934	8.032	7.490	8.032	8.934	8.032	7.490	8.032	140-150	4.820	1698
160.0	9.476	8.844	8.303	8.844	9.476	8.844	8.303	8.844	150-160	3.916	1702
170.0	10.01	9.431	8.934	9.431	10.01	9.431	8.934	9.431	160-170	2.590	1705
180.0	10.10	9.701	9.476	9.701	10.10	9.701	9.476	9.701	170-180	0.914	1706
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



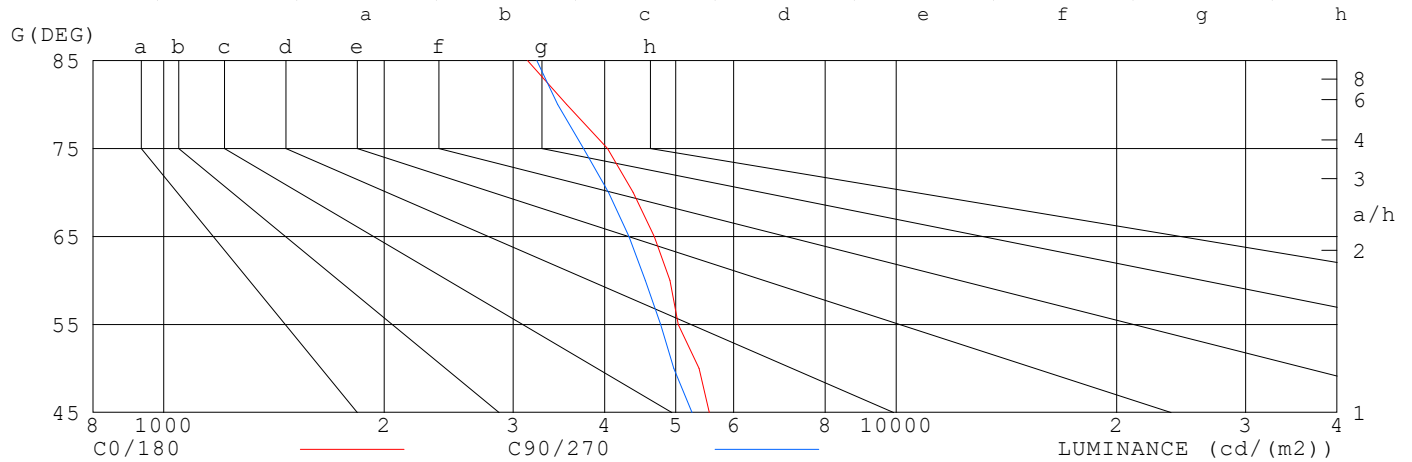
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:					
Address:					
NAME: 1002-1-1-1-1		TYPE: .2W 3K CRI 80		WEIGHT:	
SPECIFICATION:		DIMENSION: 1200*46*70		SERIAL No.:	

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300				
1.15	A								
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	3138	3231
80	3550	3451
75	4034	3742
70	4375	4048
65	4675	4316
60	4911	4543
55	5041	4771
50	5384	4972
45	5556	5266

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

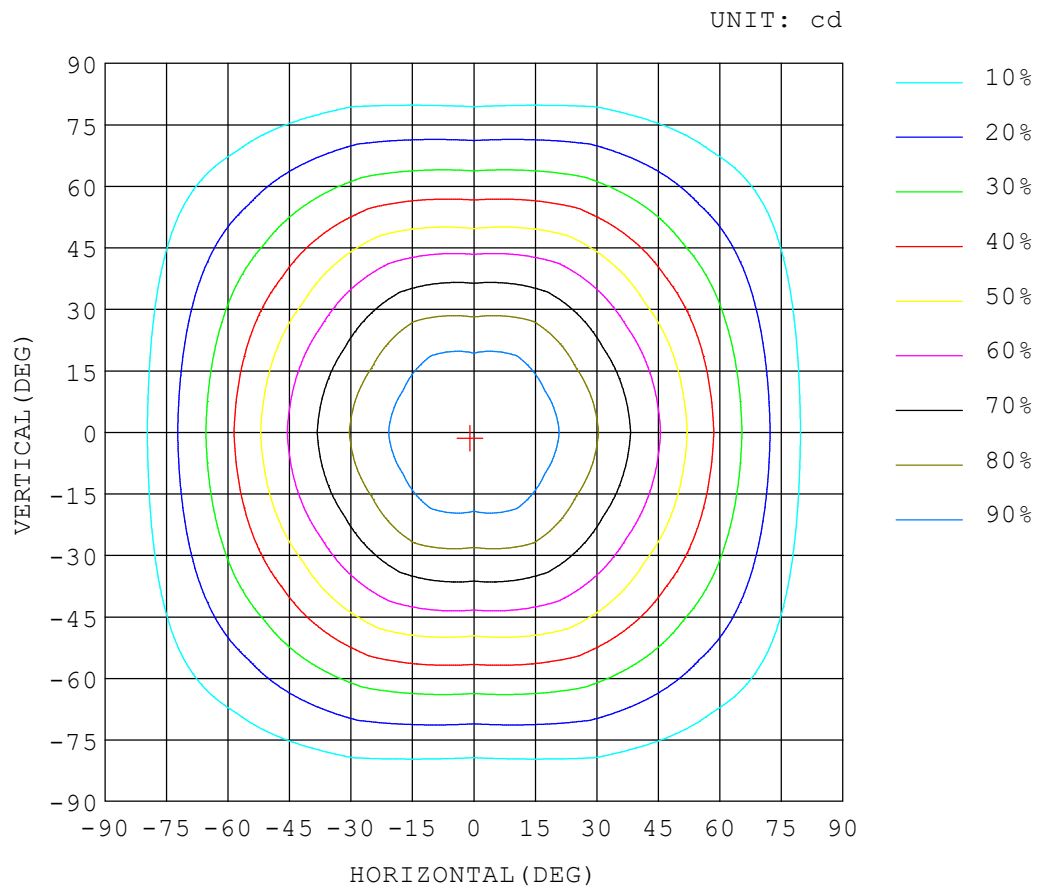
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

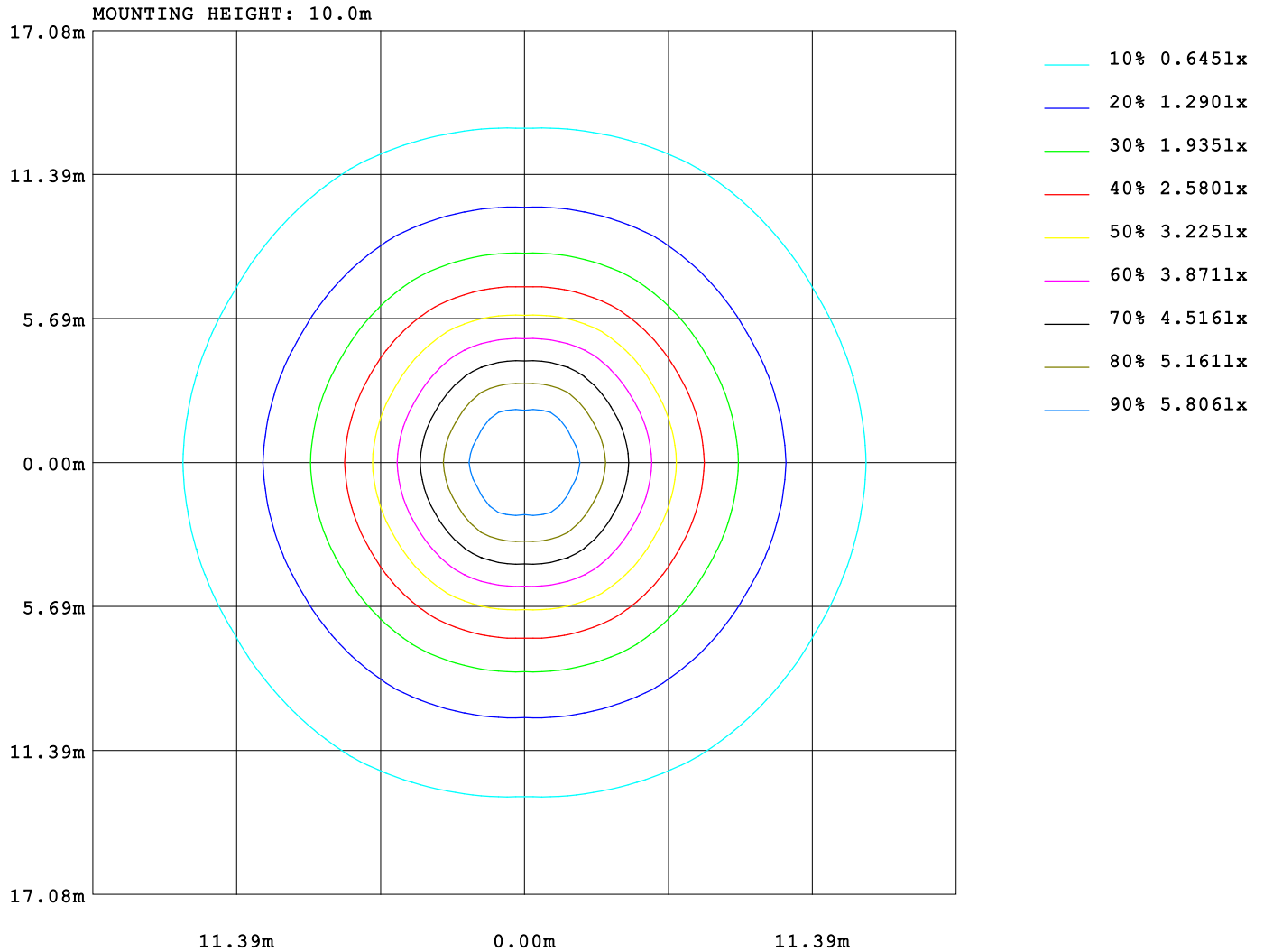
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



AREA LUMINOUS FLUX

Report number:

MANUFACTURER:																				
Address:																				
NAME: 1002-1-1-1-1										TYPE: .2W 3K CRI 80					WEIGHT:					
SPECIFICATION:										DIMENSION: 1200*46*70					SERIAL No.:					

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm		Φ t	Φ a
	0.02	0.08	0.16	0.29	0.51	0.77	0.94	0.98	0.96	0.96	0.98	0.94	0.77	0.51	0.29	0.16	0.08	0.02				
90	0.02	0.08	0.16	0.29	0.51	0.77	0.94	0.98	0.96	0.96	0.98	0.94	0.77	0.51	0.29	0.16	0.08	0.02			9.42	0.00
80	0.04	0.17	0.42	0.84	1.44	2.11	2.66	2.93	3.01	3.01	2.93	2.66	2.11	1.44	0.84	0.42	0.17	0.04			27.2	22.7
70	0.05	0.28	0.77	1.54	2.61	3.77	4.78	5.36	5.58	5.58	5.36	4.78	3.77	2.61	1.54	0.77	0.28	0.05			49.5	47.8
60	0.06	0.40	1.16	2.32	3.85	5.52	7.02	7.96	8.34	8.34	7.96	7.02	5.52	3.85	2.32	1.16	0.40	0.06			73.3	72.5
50	0.07	0.53	1.55	3.09	5.04	7.21	9.32	10.7	11.2	11.2	10.7	9.32	7.21	5.04	3.09	1.55	0.53	0.07			97.7	97.2
40	0.08	0.65	1.91	3.80	6.13	8.82	11.3	13.2	14.0	14.0	13.2	11.3	8.82	6.13	3.80	1.91	0.65	0.08			120	120
30	0.09	0.74	2.20	4.38	7.12	10.1	13.0	15.4	16.4	16.4	15.4	13.0	10.1	7.12	4.38	2.20	0.74	0.09			139	139
	0.10	0.81	2.42	4.82	7.91	11.2	14.3	16.9	18.3	18.3	16.9	14.3	11.2	7.91	4.82	2.42	0.81	0.10			154	153
	0.10	0.85	2.54	5.07	8.36	11.8	15.1	17.7	19.2	19.2	17.7	15.1	11.8	8.36	5.07	2.54	0.85	0.10			162	162
	0.10	0.85	2.54	5.07	8.36	11.8	15.1	17.7	19.2	19.2	17.7	15.1	11.8	8.36	5.07	2.54	0.85	0.10			162	162
	0.10	0.81	2.42	4.82	7.91	11.2	14.3	16.9	18.3	18.3	16.9	14.3	11.2	7.91	4.82	2.42	0.81	0.10			154	153
-30	0.09	0.74	2.20	4.38	7.12	10.1	13.0	15.4	16.4	16.4	15.4	13.0	10.1	7.12	4.38	2.20	0.74	0.09			139	139
-40	0.08	0.65	1.91	3.80	6.13	8.82	11.3	13.2	14.0	14.0	13.2	11.3	8.82	6.13	3.80	1.91	0.65	0.08			120	120
-50	0.07	0.53	1.55	3.09	5.04	7.21	9.32	10.7	11.2	11.2	10.7	9.32	7.21	5.04	3.09	1.55	0.53	0.07			97.7	97.2
-60	0.06	0.40	1.16	2.32	3.85	5.52	7.02	7.96	8.34	8.34	7.96	7.02	5.52	3.85	2.32	1.16	0.40	0.06			73.3	72.5
-70	0.05	0.28	0.77	1.54	2.61	3.77	4.78	5.36	5.58	5.58	5.36	4.78	3.77	2.61	1.54	0.77	0.28	0.05			49.5	47.8
-80	0.04	0.17	0.42	0.84	1.44	2.11	2.66	2.93	3.01	3.01	2.93	2.66	2.11	1.44	0.84	0.42	0.17	0.04			27.2	22.7
-90	0.02	0.08	0.16	0.29	0.51	0.77	0.94	0.98	0.96	0.96	0.98	0.94	0.77	0.51	0.29	0.16	0.08	0.02			9.42	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)					20	30	40	50	60	70	80	90	
Φ t	1.24	9.03	26.3	52.3	86.0	123	157	183	195	195	183	157	123	86.0	52.3	26.3	9.03	1.24			1706	
Φ a	0.00	6.57	24.2	50.2	83.9	121	155	181	192	192	181	155	121	83.9	50.2	24.2	6.57	0.00				1632

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K

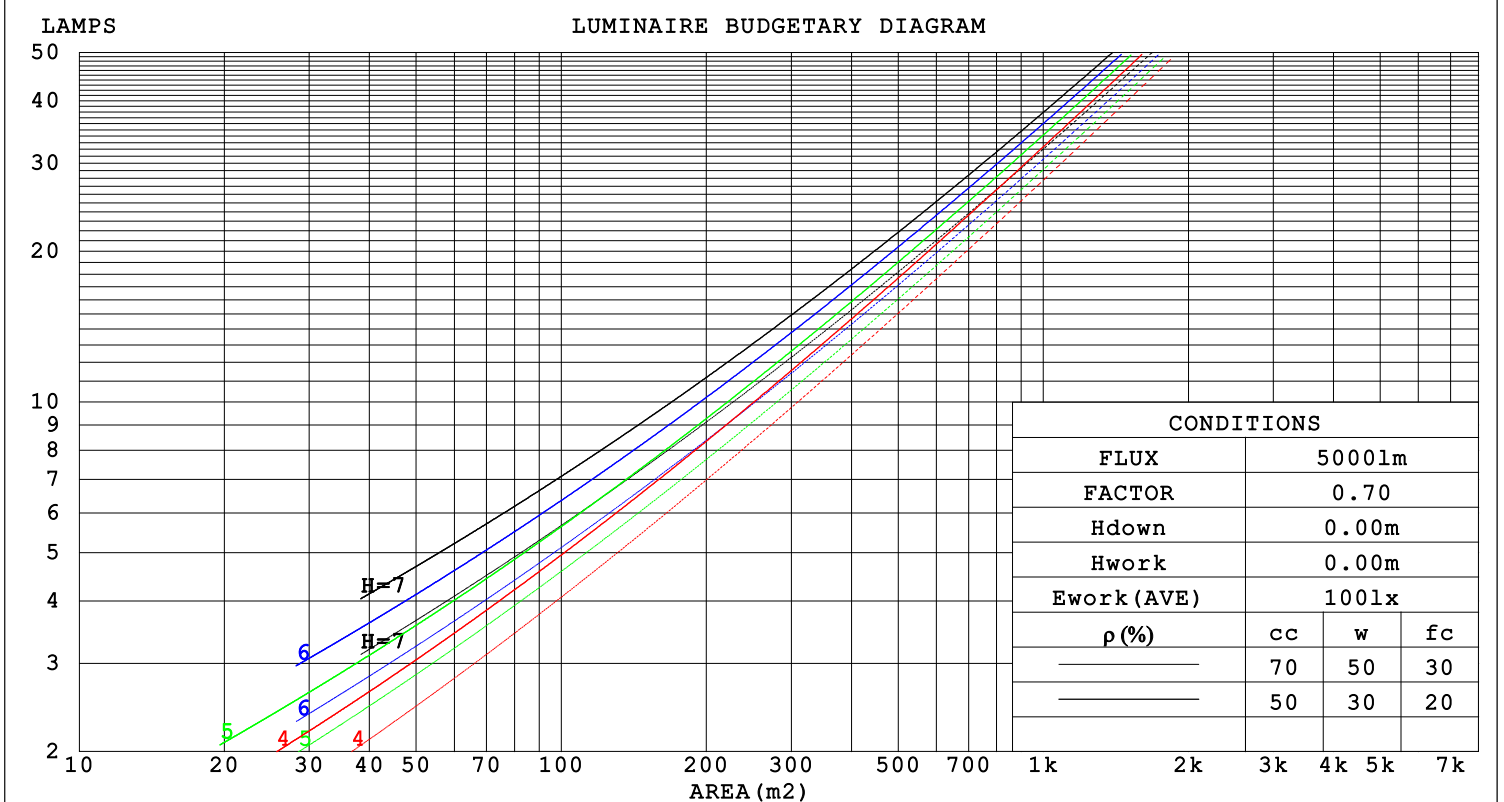


CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:															
Address:															
NAME: 1002-1-1-1-1								TYPE: .2W 3K CRI 80				WEIGHT:			
SPECIFICATION:								DIMENSION: 1200*46*70				SERIAL No.:			

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															



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



SOVITRON GONIOPHOTOMETER SYSTEM TEST REPORT

WEC AND CCEC

Report number:

MANUFACTURER:														
Address:														
NAME: 1002-1-1-1-1							TYPE: .2W 3K CRI 80					WEIGHT:		
SPECIFICATION:							DIMENSION: 1200*46*70					SERIAL No.:		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.303	.173	.055	.296	.169	.054	.281	.161	.052	.268	.154	.050	.255	.148	.048	
2.0	.285	.156	.048	.278	.153	.047	.265	.147	.046	.253	.142	.044	.242	.137	.043	
3.0	.263	.140	.042	.257	.138	.041	.246	.133	.041	.235	.129	.040	.226	.125	.039	
4.0	.243	.126	.037	.238	.125	.037	.228	.121	.036	.218	.117	.035	.210	.114	.035	
5.0	.225	.115	.033	.220	.113	.033	.211	.110	.032	.203	.107	.032	.195	.104	.031	
6.0	.209	.105	.030	.205	.104	.030	.197	.101	.029	.189	.098	.029	.182	.096	.028	
7.0	.195	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.172	.086	.025	.166	.084	.024	.160	.082	.024	
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pf _c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.197	.174	.152	.169	.149	.131	.116	.103	.091	.067	.059	.053	.021	.019	.017	
2.0	.189	.150	.117	.162	.129	.101	.111	.089	.070	.064	.052	.041	.021	.017	.013	
3.0	.181	.132	.093	.155	.114	.081	.107	.079	.057	.062	.046	.033	.020	.015	.011	
4.0	.173	.119	.077	.149	.103	.067	.102	.072	.047	.059	.042	.028	.019	.014	.009	
5.0	.166	.108	.066	.142	.094	.057	.098	.065	.040	.057	.038	.024	.018	.013	.008	
6.0	.159	.100	.058	.136	.087	.050	.094	.061	.036	.055	.036	.021	.018	.012	.007	
7.0	.152	.093	.052	.131	.081	.045	.090	.057	.032	.052	.033	.019	.017	.011	.006	
8.0	.146	.087	.047	.125	.076	.041	.087	.053	.029	.050	.031	.017	.016	.010	.006	
9.0	.140	.082	.044	.120	.071	.038	.083	.050	.027	.049	.030	.016	.016	.010	.005	
10.0	.134	.078	.041	.116	.068	.036	.080	.048	.025	.047	.028	.015	.015	.009	.005	

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



Uncorrected UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: 1002-1-1-1-1					TYPE: .2W 3K CRI 80			WEIGHT:		
SPECIFICATION:					DIMENSION: 1200*46*70			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	18.2	19.6	18.5	19.9	20.1	18.1	19.6	18.4	19.8	20.1
3H	19.6	20.9	19.9	21.2	21.5	19.5	20.8	19.8	21.1	21.4
4H	20.1	21.4	20.5	21.7	22.0	20.0	21.3	20.4	21.6	21.9
6H	20.5	21.7	20.8	22.0	22.3	20.4	21.6	20.8	21.9	22.3
8H	20.5	21.7	20.9	22.0	22.4	20.5	21.7	20.9	22.0	22.3
12H	20.6	21.7	21.0	22.1	22.4	20.6	21.7	21.0	22.1	22.4
4H 2H	18.7	20.0	19.1	20.3	20.6	18.7	20.0	19.0	20.3	20.6
3H	20.3	21.4	20.7	21.7	22.1	20.3	21.4	20.7	21.7	22.1
4H	20.9	21.9	21.3	22.3	22.7	21.0	22.0	21.4	22.4	22.7
6H	21.4	22.3	21.8	22.7	23.1	21.5	22.4	21.9	22.8	23.2
8H	21.5	22.3	21.9	22.7	23.2	21.7	22.5	22.1	22.9	23.3
12H	21.6	22.3	22.0	22.8	23.2	21.8	22.5	22.2	23.0	23.4
8H 4H	21.1	22.0	21.6	22.4	22.8	21.2	22.1	21.7	22.5	22.9
6H	21.7	22.4	22.2	22.9	23.3	21.9	22.6	22.4	23.0	23.5
8H	21.9	22.5	22.4	23.0	23.5	22.2	22.8	22.7	23.2	23.7
12H	22.0	22.6	22.5	23.0	23.6	22.4	22.9	22.9	23.4	23.9
12H 4H	21.2	21.9	21.6	22.4	22.8	21.2	22.0	21.7	22.4	22.9
6H	21.8	22.4	22.3	22.8	23.3	21.9	22.6	22.4	23.0	23.5
8H	22.0	22.5	22.5	23.0	23.5	22.2	22.8	22.8	23.3	23.8

Variations with the observer position at spacings:

S = 1.0H	+ 0.1 / - 0.2	+ 0.2 / - 0.2
1.5H	+ 0.1 / - 0.2	+ 0.2 / - 0.3
2.0H	+ 0.3 / - 0.3	+ 0.2 / - 0.4

CIE Pub.117 Corrected 1706 lm Total Lamp Luminous Flux.(8log(F/F0) = 1.9)

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	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) $k(RI) \times RCR = 5$									
$k = 0.60$	58	47	40	57	47	40	56	46	40	33
0.80	68	57	50	67	56	49	65	55	49	42
1.00	76	66	58	75	65	58	73	66	57	50
1.25	83	73	66	82	72	66	79	71	65	57
1.50	88	79	72	86	78	71	83	76	70	62
2.00	95	87	80	93	85	79	89	83	78	69
2.50	99	91	85	97	90	84	92	87	82	73
3.00	102	95	90	100	93	89	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	97	94	84
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:04-28-2023

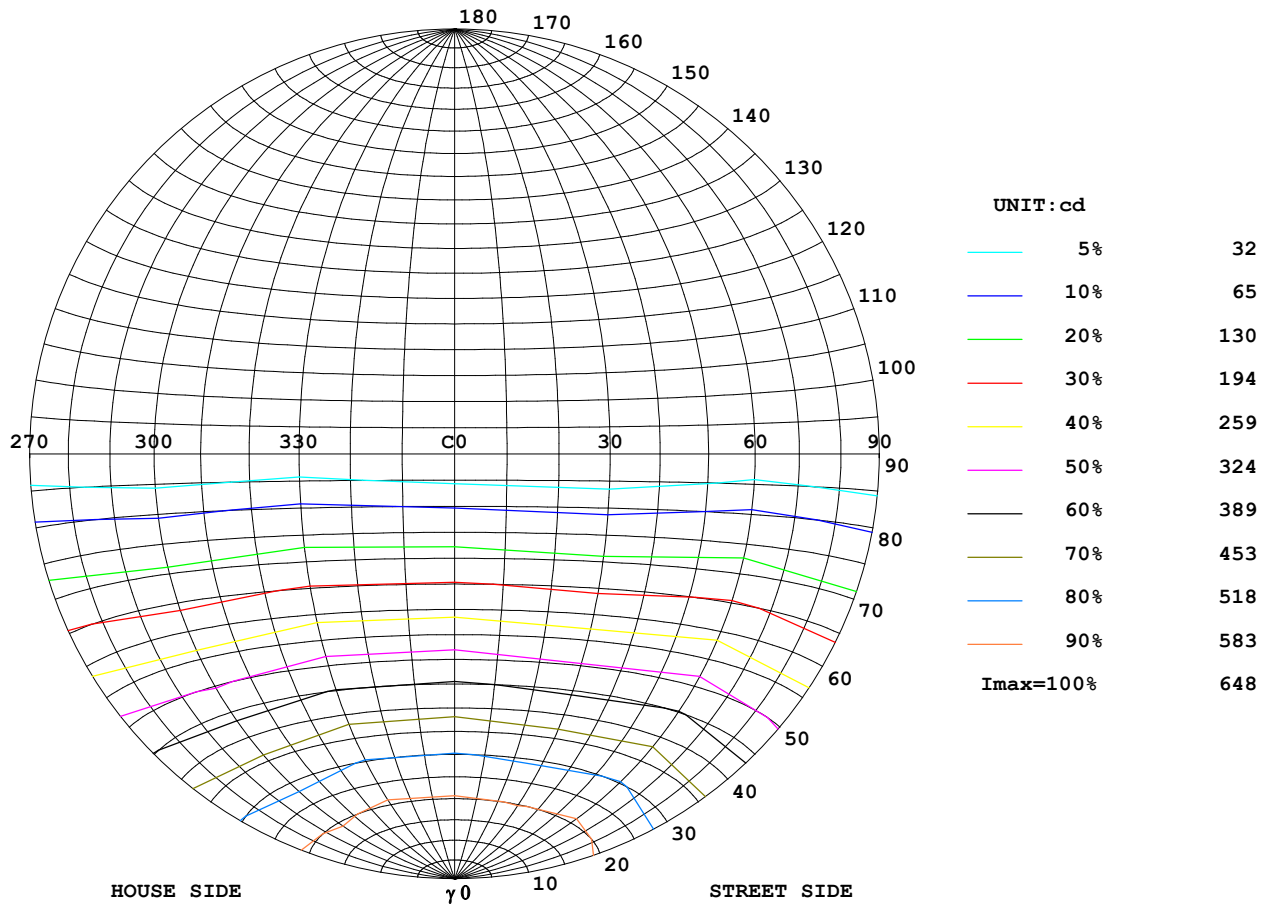
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K

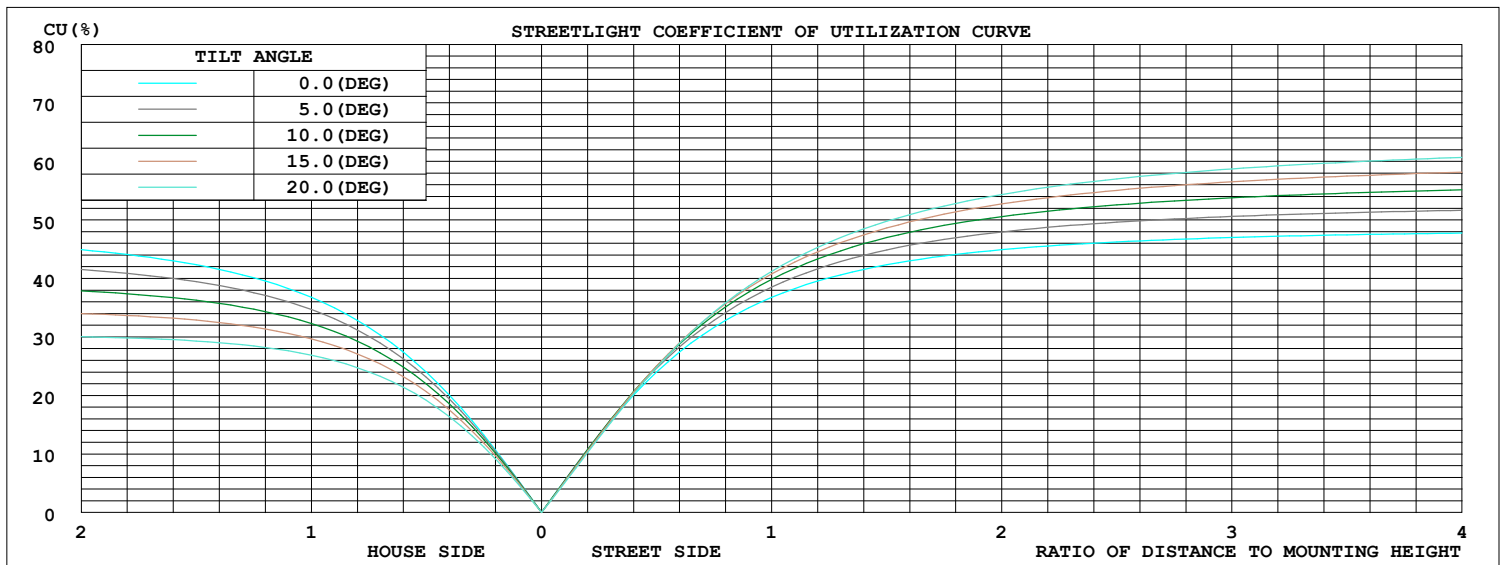
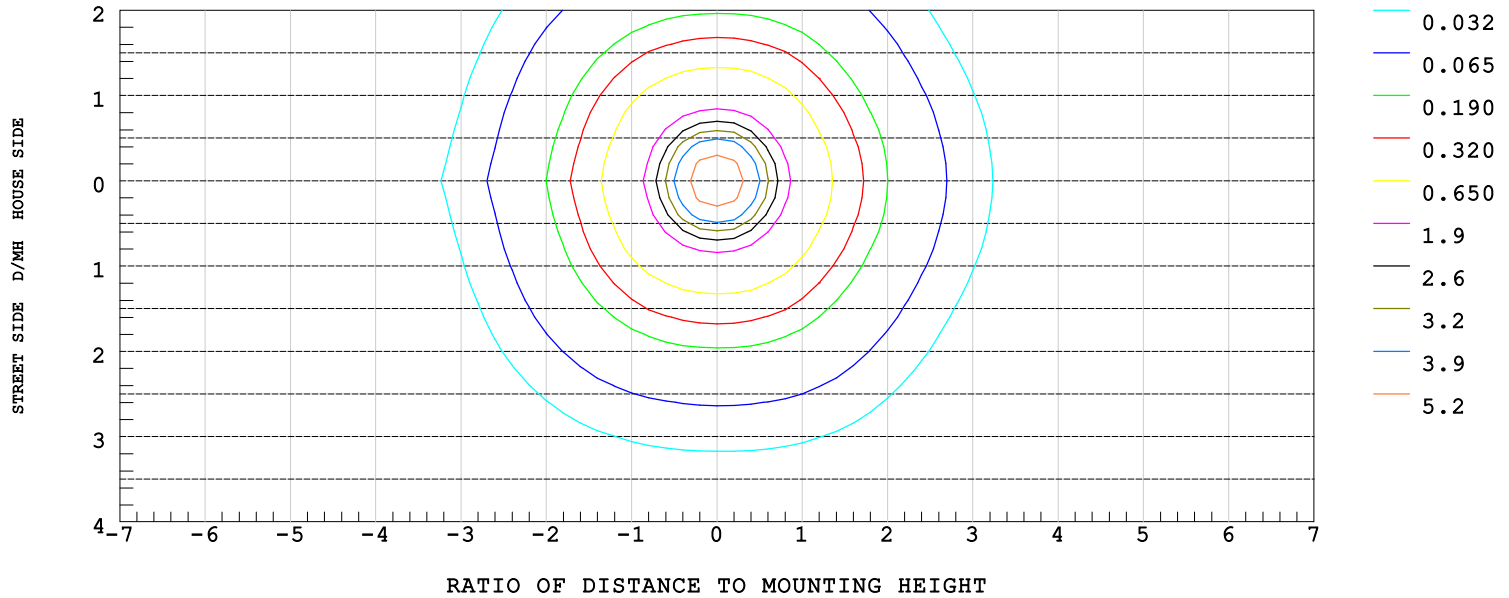


ISOLUX DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 6.45 lx



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

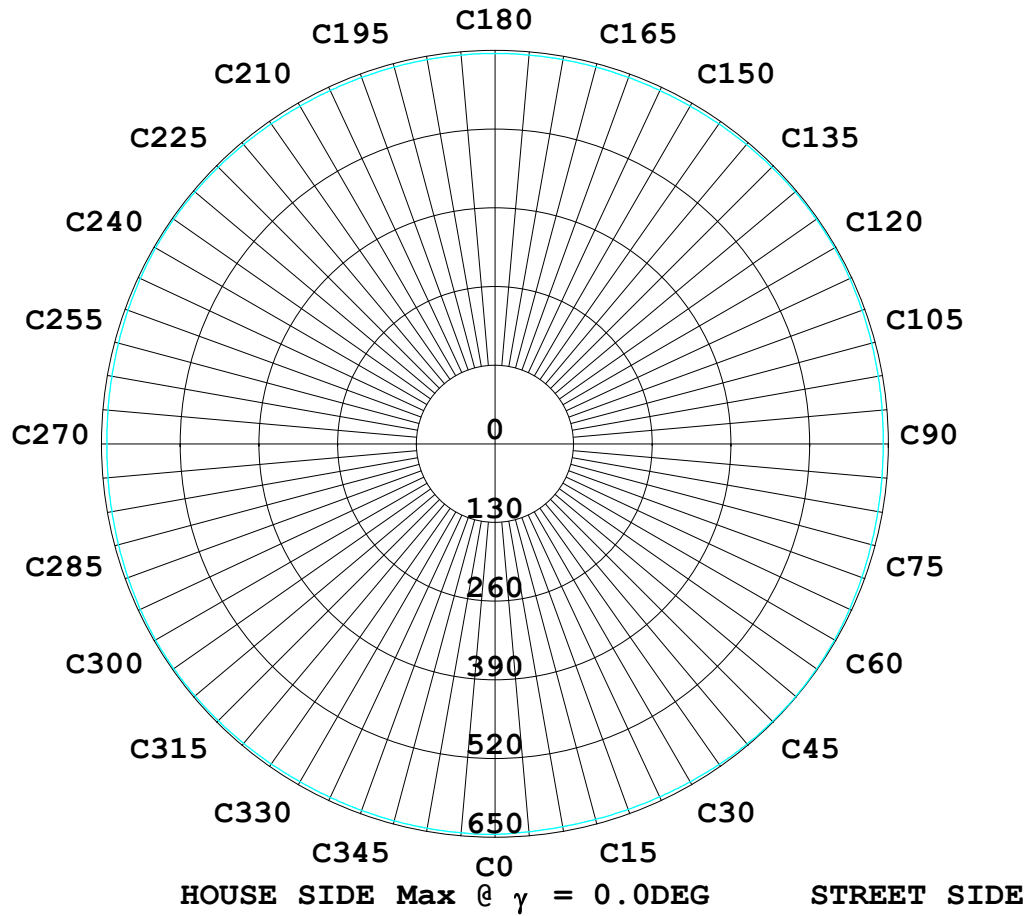
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:04-28-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:9.500 m
Remarks: 3000K



LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:		
Address:		
NAME: 1002-1-1-1-1	TYPE: .2W 3K CRI 80	WEIGHT:
SPECIFICATION:	DIMENSION: 1200*46*70	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)												
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	645	644	648	641	648	644	645	644	648	641	648	644
5.0	643	640	646	636	646	640	643	640	646	636	646	640
10.0	633	627	635	624	635	627	633	627	635	624	635	627
15.0	612	607	617	605	617	607	612	607	617	605	617	607
20.0	587	582	590	578	590	582	587	582	590	578	590	582
25.0	556	549	557	543	557	549	556	549	557	543	557	549
30.0	520	511	521	501	521	511	520	511	521	501	521	511
35.0	480	471	479	464	479	471	480	471	479	464	479	471
40.0	437	426	436	419	436	426	437	426	436	419	436	426
45.0	393	380	390	372	390	380	393	380	390	372	390	380
50.0	346	328	343	320	343	328	346	328	343	320	343	328
55.0	289	280	290	274	290	280	289	280	290	274	290	280
60.0	246	232	245	227	245	232	246	232	245	227	245	232
65.0	198	185	198	182	198	185	198	185	198	182	198	185
70.0	150	138	152	138	152	138	150	138	152	138	152	138
75.0	104	93.9	110	96.8	110	93.9	104	93.9	110	96.8	110	93.9
80.0	61.6	54.7	69.8	59.9	69.8	54.7	61.6	54.7	69.8	59.9	69.8	54.7
85.0	27.3	22.6	35.9	28.1	35.9	22.6	27.3	22.6	35.9	28.1	35.9	22.6
90.0	8.03	2.97	12.0	5.77	12.0	2.97	8.03	2.97	12.0	5.77	12.0	2.97
95.0	7.22	2.16	7.58	2.52	7.58	2.16	7.22	2.16	7.58	2.52	7.58	2.16
100.0	6.85	2.52	6.85	2.34	6.85	2.52	6.85	2.52	6.85	2.34	6.85	2.52
105.0	6.85	2.97	6.58	2.79	6.58	2.97	6.85	2.97	6.58	2.79	6.58	2.97
110.0	6.76	3.42	6.49	3.15	6.49	3.42	6.76	3.42	6.49	3.15	6.49	3.42
115.0	6.76	3.88	6.58	3.70	6.58	3.88	6.76	3.88	6.58	3.70	6.58	3.88
120.0	7.03	4.33	6.76	4.24	6.76	4.33	7.03	4.33	6.76	4.24	6.76	4.33
125.0	7.31	4.78	7.03	4.78	7.03	4.78	7.31	4.78	7.03	4.78	7.03	4.78
130.0	7.58	5.32	7.31	5.32	7.31	5.32	7.58	5.32	7.31	5.32	7.31	5.32
135.0	7.85	5.95	7.58	5.86	7.58	5.95	7.85	5.95	7.58	5.86	7.58	5.95
140.0	8.21	6.40	8.03	6.40	8.03	6.40	8.21	6.40	8.03	6.40	8.03	6.40
145.0	8.57	6.94	8.39	6.94	8.39	6.94	8.57	6.94	8.39	6.94	8.39	6.94
150.0	8.93	7.40	8.66	7.49	8.66	7.40	8.93	7.40	8.66	7.49	8.66	7.40
155.0	9.20	7.85	9.02	7.94	9.02	7.85	9.20	7.85	9.02	7.94	9.02	7.85
160.0	9.47	8.30	9.38	8.30	9.38	8.30	9.47	8.30	9.38	8.30	9.38	8.30
165.0	9.74	8.66	9.65	8.66	9.65	8.66	9.74	8.66	9.65	8.66	9.65	8.66
170.0	10.0	9.02	9.83	8.93	9.83	9.02	10.0	9.02	9.83	8.93	9.83	9.02
175.0	10.1	9.20	10.0	9.20	10.0	9.20	10.1	9.20	10.0	9.20	10.0	9.20
180.0	10.1	9.38	10.0	9.47	10.0	9.38	10.1	9.38	10.0	9.47	10.0	9.38

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
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Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
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