

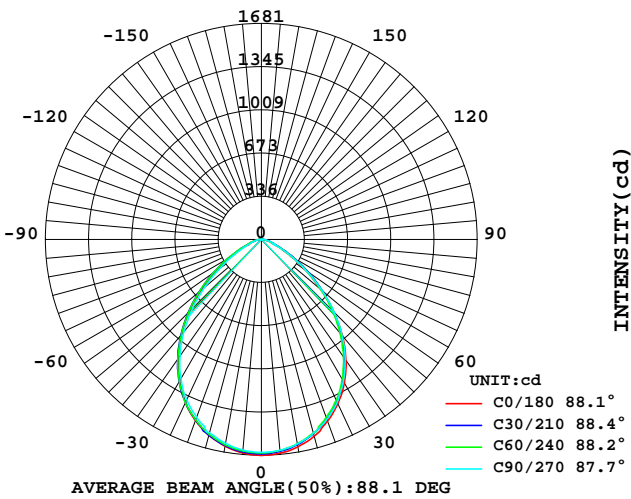
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

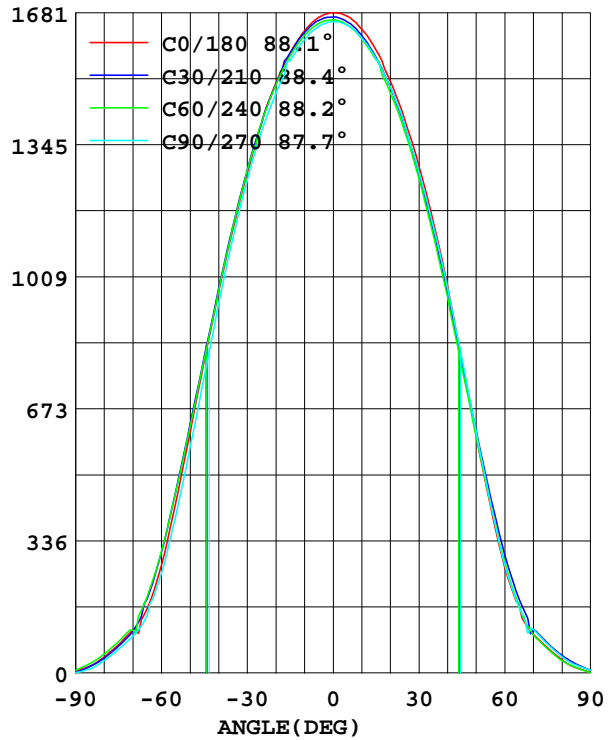
MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1681	S/MH(C0/180)	1.14
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.14
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	3241.9	Voltage(V)	120.8
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	92.3	Current(A)	0.294
NOMINAL FLUX(lm)	3241.9	h up(%)	0.7	Power(W)	35.11
LAMPS QUANTITY	1	h down(%)	99.3	Power Factor(PF)	0.986
TEST VOLTAGE(V)	120.8	Effictive Flux(lm)	3241.9	EEL	0.148

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:			
Address:			
NAME: 8寸白色深防眩		TYPE:	WEIGHT:
SPECIFICATION: JXL-TE08-E36W-UDD CCT(K): 5000		DIMENSION:	SERIAL No.:

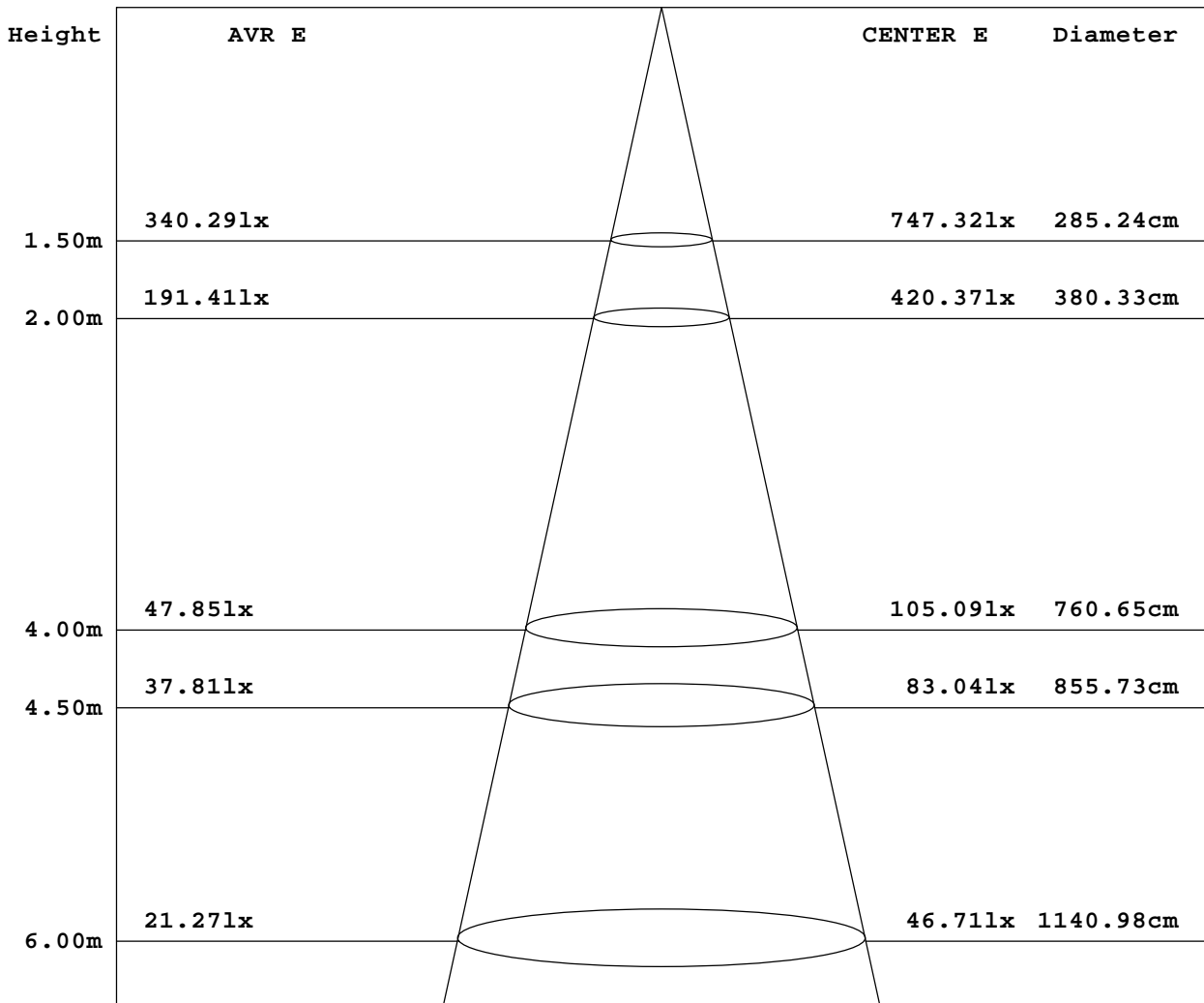
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:



Angle:87.1deg

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tTotal
5.0	1669	1658	1646	1647	1672	1654	1649	1643	0- 5	39.65	39.65
10.0	1635	1628	1613	1618	1639	1620	1618	1607	5- 10	117.1	156.7
15.0	1579	1575	1559	1568	1587	1565	1564	1552	10- 15	189.0	345.8
20.0	1502	1498	1475	1491	1506	1484	1492	1470	15- 20	251.7	597.6
25.0	1401	1402	1379	1398	1411	1388	1398	1371	20- 25	302.1	899.8
30.0	1273	1280	1255	1282	1292	1265	1276	1246	25- 30	336.8	1237
35.0	1130	1137	1107	1142	1149	1120	1138	1102	30- 35	353.0	1590
40.0	970.4	974.7	939.3	982.8	984.6	959.9	980.0	945.4	35- 40	349.3	1939
45.0	797.6	804.2	757.5	808.0	798.7	786.2	802.7	779.3	40- 45	325.5	2265
50.0	610.4	629.7	573.4	628.0	607.0	610.3	616.0	606.0	45- 50	283.4	2548
55.0	431.4	459.7	398.3	458.5	425.1	439.7	431.3	436.9	50- 55	227.9	2776
60.0	274.6	309.5	255.0	309.8	270.3	292.6	276.4	284.9	55- 60	167.0	2943
65.0	163.7	191.3	146.0	195.0	175.4	182.0	167.0	172.5	60- 65	111.6	3055
70.0	109.3	107.7	93.67	106.8	98.54	104.1	110.6	101.2	65- 70	68.13	3123
75.0	72.26	74.75	60.70	75.20	63.80	68.76	73.62	65.99	70- 75	45.58	3168
80.0	40.62	43.26	31.60	44.59	34.11	38.25	41.24	36.56	75- 80	28.98	3197
85.0	17.23	20.06	10.51	21.46	13.47	18.04	19.63	15.87	80- 85	14.97	3212
90.0	5.708	4.124	0.940	5.569	2.158	3.985	6.892	3.498	85- 90	5.640	3218
95.0	4.768	3.028	1.009	3.011	1.357	3.115	4.873	3.028	90- 95	1.821	3220
100.0	4.281	2.697	1.113	2.715	1.496	2.889	4.420	2.837	95-100	1.573	3221
105.0	4.037	2.662	1.287	2.662	1.670	2.854	4.142	2.802	100-105	1.482	3223
110.0	3.933	2.715	1.531	2.715	1.949	2.924	4.037	2.906	105-110	1.456	3224
115.0	3.968	2.871	1.879	2.871	2.262	3.080	4.072	3.080	110-115	1.474	3226
120.0	4.142	3.132	2.262	3.132	2.645	3.341	4.177	3.341	115-120	1.519	3227
125.0	4.386	3.446	2.680	3.428	3.098	3.655	4.386	3.637	120-125	1.575	3229
130.0	4.629	3.776	3.132	3.742	3.550	3.985	4.664	3.985	125-130	1.626	3231
135.0	4.977	4.142	3.585	4.107	4.003	4.351	4.977	4.333	130-135	1.655	3232
140.0	5.256	4.507	4.037	4.490	4.455	4.699	5.291	4.716	135-140	1.654	3234
145.0	5.569	4.873	4.420	4.838	4.873	5.030	5.569	5.047	140-145	1.610	3235
150.0	5.848	5.221	4.803	5.204	5.221	5.343	5.813	5.343	145-150	1.520	3237
155.0	6.091	5.534	5.151	5.499	5.604	5.639	6.056	5.639	150-155	1.386	3238
160.0	6.300	5.813	5.465	5.795	5.952	5.900	6.265	5.865	155-160	1.207	3240
165.0	6.509	6.022	5.743	6.039	6.265	6.091	6.474	6.074	160-165	0.990	3241
170.0	6.648	6.213	5.987	6.213	6.509	6.283	6.648	6.213	165-170	0.737	3241
175.0	6.753	6.352	6.265	6.335	6.683	6.387	6.753	6.335	170-175	0.456	3242
180.0	6.787	6.405	6.753	6.370	6.787	6.405	6.753	6.370	175-180	0.155	3242
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

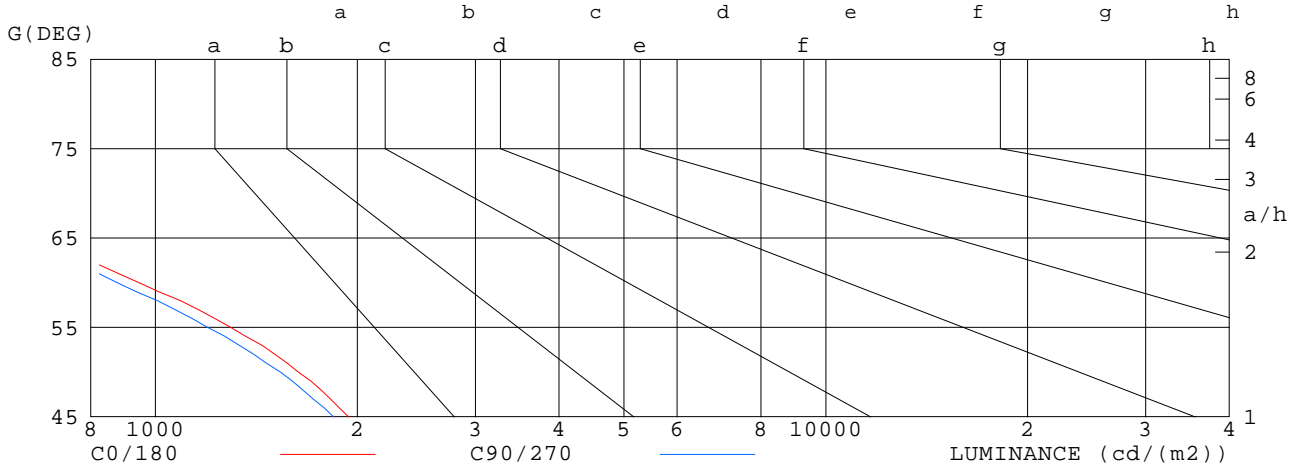
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.15	A	2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.50	B		2000	1000	500	<=300	<=300	<=300	<=300
1.85	C			2000	1000	500	<=300	<=300	<=300
2.20	D				2000	1000	500	<=300	<=300
2.55	E					2000	1000	500	<=300



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	340	208
80	403	313
75	481	404
70	550	471
65	667	595
60	946	878
55	1295	1196
50	1635	1536
45	1942	1844

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2023年04月27日

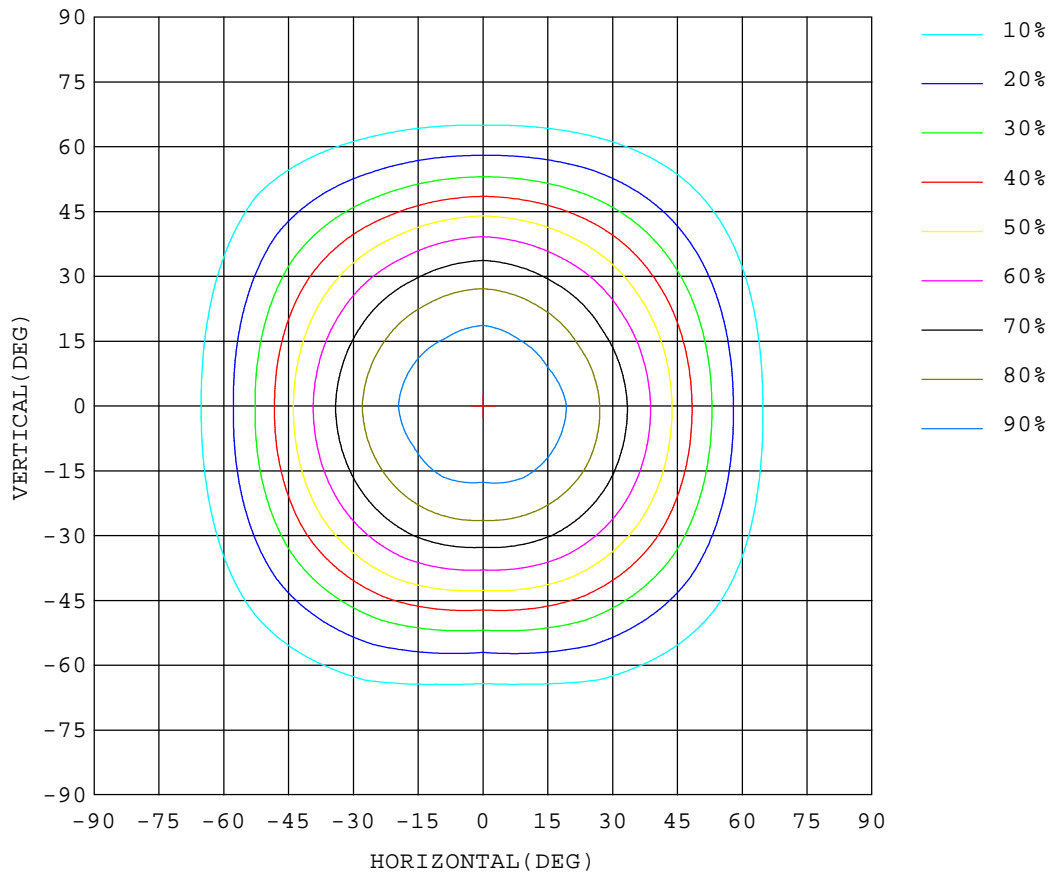
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

UNIT: cd



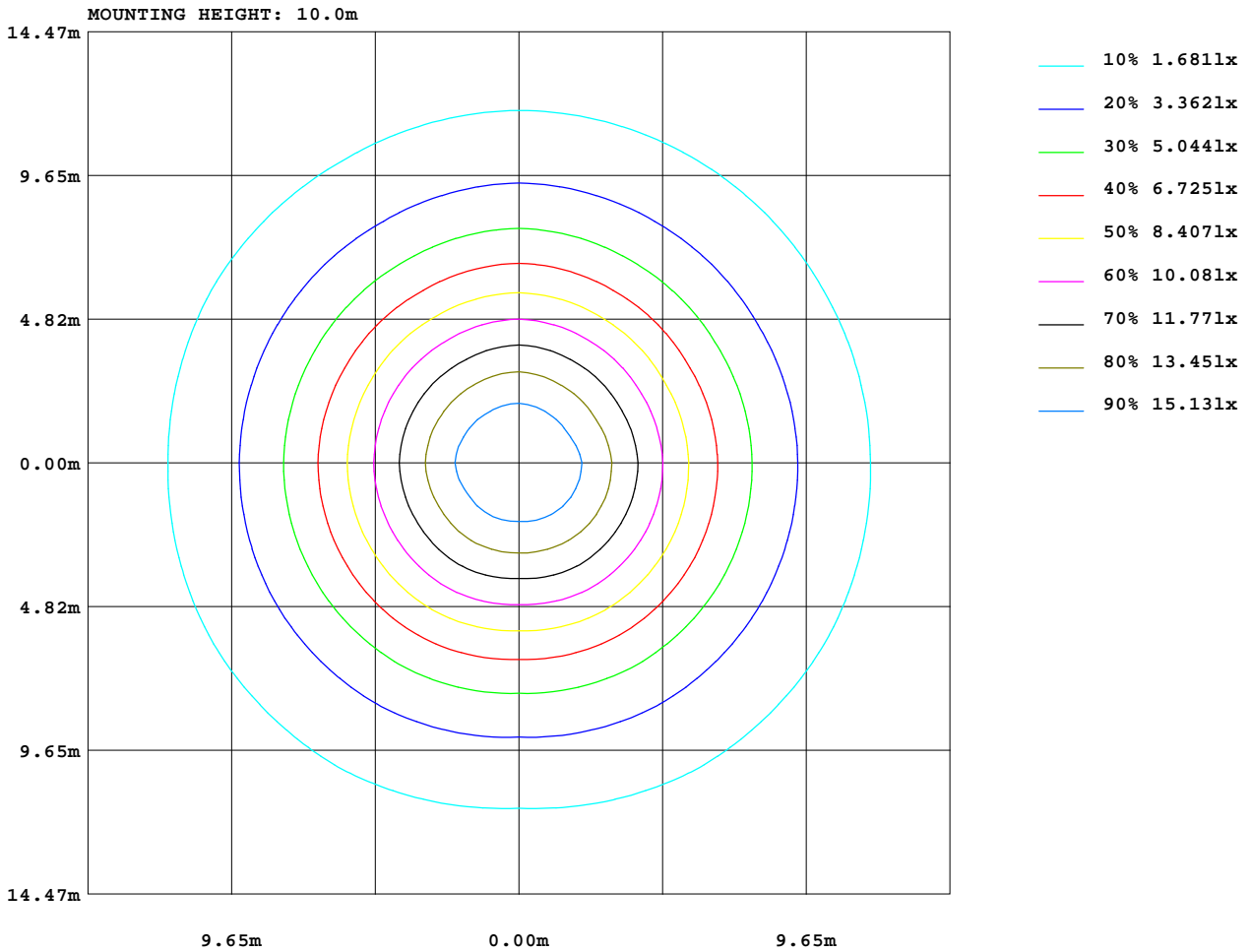
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a	
	0.01	0.06	0.16	0.25	0.30	0.32	0.38	0.50	0.60	0.60	0.50	0.38	0.30	0.25	0.20	0.13	0.06	0.02	5.00	5.00	
90	0.02	0.12	0.34	0.64	0.92	1.18	1.50	1.89	2.17	2.17	1.88	1.49	1.16	0.86	0.56	0.30	0.12	0.02	17.3	17.3	
80	0.03	0.18	0.58	1.19	1.86	2.68	3.70	4.66	5.21	5.21	4.67	3.68	2.60	1.79	1.12	0.55	0.18	0.03	39.9	39.9	
70	0.03	0.26	0.86	1.85	3.57	6.11	8.93	11.4	13.0	13.0	11.6	9.06	5.99	3.31	1.74	0.85	0.27	0.04	92.1	92.1	
60	0.04	0.34	1.14	2.97	6.53	11.3	16.5	21.0	23.8	23.8	21.1	16.6	11.2	6.18	2.70	1.14	0.36	0.05	167	167	
50	0.04	0.42	1.46	4.41	9.98	17.1	24.3	30.2	33.8	33.7	30.1	24.1	16.9	9.64	4.14	1.42	0.45	0.05	243	243	
40	0.05	0.48	1.82	5.82	13.1	22.2	30.9	37.7	41.6	41.4	37.3	30.4	21.8	12.9	5.65	1.77	0.52	0.06	306	306	
30	0.05	0.52	2.11	6.94	15.6	26.0	35.7	42.8	46.7	46.6	42.4	35.0	25.5	15.4	6.90	2.07	0.57	0.06	351	351	
20	0.05	0.54	2.25	7.53	17.0	28.1	38.2	45.7	49.6	49.3	45.3	37.8	27.6	16.9	7.60	2.24	0.60	0.07	377	377	
10	0.05	0.53	2.26	7.55	17.0	28.2	38.3	45.7	49.5	49.7	45.8	38.1	27.8	17.0	7.66	2.26	0.60	0.07	379	379	
0	0.05	0.51	2.12	7.00	15.8	26.3	35.9	43.1	46.8	46.9	43.2	35.9	26.1	15.7	7.07	2.12	0.57	0.06	356	356	
-10	0.05	0.47	1.83	5.90	13.4	22.7	31.5	38.2	41.4	41.4	38.2	31.3	22.5	13.4	5.92	1.83	0.52	0.06	311	311	
-20	0.04	0.40	1.45	4.48	10.2	17.6	24.9	30.6	33.3	33.3	30.5	24.8	17.5	10.2	4.46	1.47	0.45	0.05	246	246	
-30	0.04	0.33	1.10	3.02	6.75	11.8	17.1	21.0	22.9	22.9	21.0	17.1	11.8	6.73	2.96	1.13	0.36	0.04	168	168	
-40	0.03	0.24	0.80	1.82	3.79	6.57	9.54	11.5	12.4	12.4	11.6	9.57	6.55	3.71	1.79	0.83	0.27	0.04	93.6	93.6	
-50	0.02	0.16	0.52	1.12	1.97	3.10	4.24	4.87	4.99	4.96	4.80	4.12	2.98	1.93	1.11	0.53	0.18	0.03	41.7	41.7	
-60	0.02	0.10	0.28	0.59	1.03	1.54	1.93	2.02	1.95	1.94	1.99	1.89	1.51	1.00	0.57	0.28	0.11	0.02	18.8	18.8	
-70	0.01	0.04	0.11	0.21	0.36	0.53	0.61	0.55	0.45	0.44	0.53	0.58	0.49	0.33	0.18	0.10	0.05	0.01	5.57	5.57	
-80																					
-90																					
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90	
Φ t	0.63	5.71	21.2	63.3	139	234	325	394	431	430	393	322	231	138	62.4	21.0	6.24	0.78	3242		
Φ a	0.63	5.71	21.2	63.3	139	234	325	394	431	430	393	322	231	138	62.4	21.0	6.24	0.78		3242	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

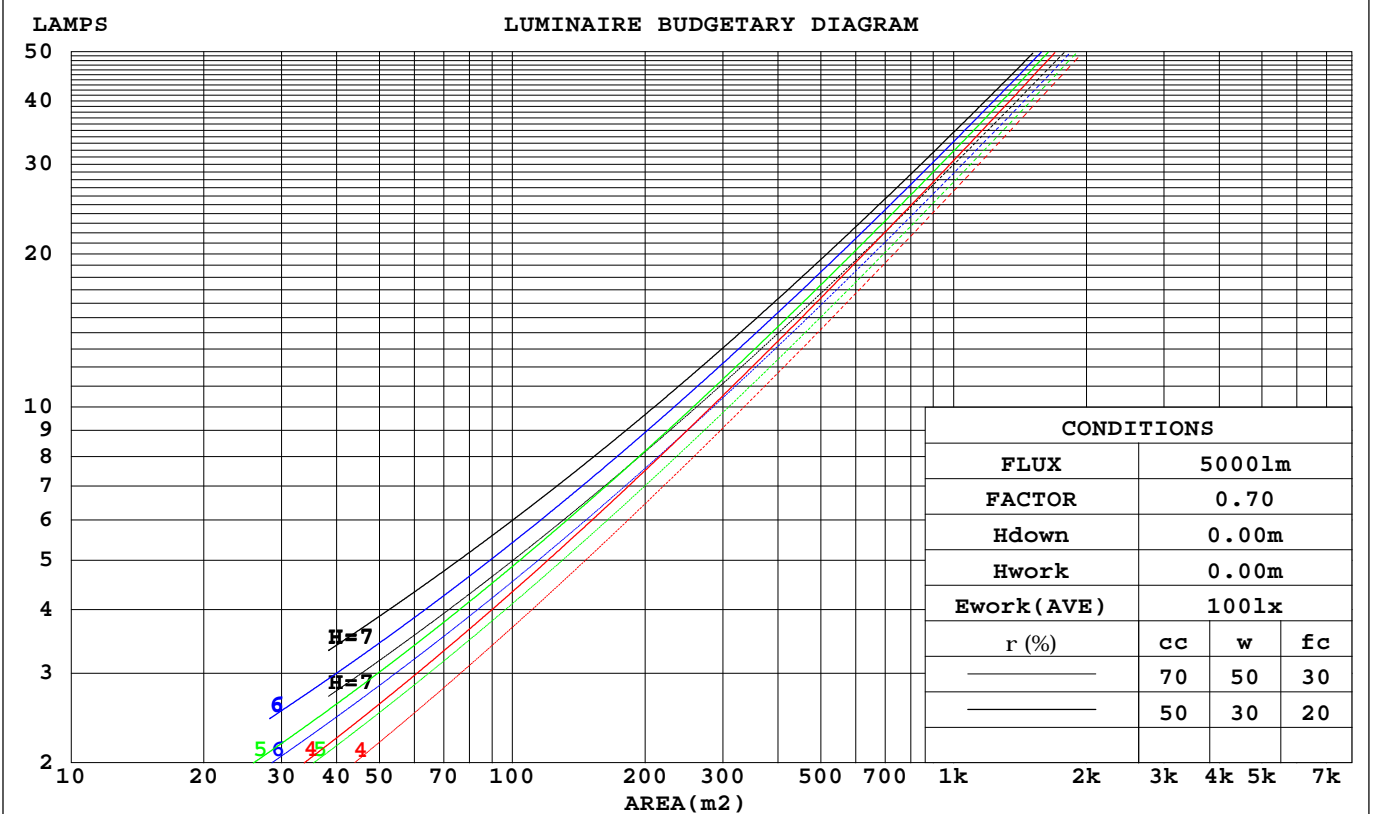
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	
SPECIFICATION:		SERIAL No.:	
CCT(K): 5000		DIMENSION:	

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															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.07	1.04	1.00	1.05	1.02	.99	1.00	.98	.96	.96	.94	.93	.93	.91	.90	.88
2.0	.96	.90	.85	.94	.89	.84	.90	.86	.82	.87	.84	.80	.84	.81	.79	.77
3.0	.86	.79	.74	.84	.78	.73	.82	.76	.72	.79	.74	.70	.76	.72	.69	.67
4.0	.78	.70	.64	.76	.69	.64	.74	.68	.63	.72	.66	.62	.69	.65	.61	.59
5.0	.70	.62	.57	.69	.62	.56	.67	.61	.56	.65	.60	.55	.63	.58	.54	.53
6.0	.64	.56	.50	.63	.56	.50	.61	.55	.50	.60	.54	.49	.58	.53	.49	.47
7.0	.59	.51	.45	.58	.50	.45	.56	.50	.45	.55	.49	.44	.54	.48	.44	.42
8.0	.54	.46	.41	.53	.46	.41	.52	.45	.41	.51	.45	.40	.50	.44	.40	.38
9.0	.50	.42	.37	.49	.42	.37	.48	.42	.37	.47	.41	.37	.46	.41	.37	.35
10.0	.46	.39	.34	.46	.39	.34	.45	.38	.34	.44	.38	.34	.43	.37	.34	.32



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

WEC AND CCEC

Report number:

MANUFACTURER:											
Address:											
NAME: MA-HDW4018B-36W						TYPE:			WEIGHT:		
SPECIFICATION:				CCT(K): 5000			DIMENSION:			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	.247	.140	.044	.240	.137	.043	.227	.130	.041	.214	.124	.040	.203	.118	.038	
2.0	.239	.131	.040	.232	.128	.039	.221	.123	.038	.210	.118	.037	.200	.113	.036	
3.0	.226	.120	.036	.221	.118	.036	.210	.114	.035	.201	.110	.034	.192	.106	.033	
4.0	.213	.111	.033	.208	.109	.032	.199	.106	.032	.191	.102	.031	.183	.099	.030	
5.0	.200	.102	.030	.196	.101	.029	.188	.098	.029	.181	.095	.028	.174	.093	.028	
6.0	.188	.094	.027	.185	.093	.027	.178	.091	.026	.171	.089	.026	.165	.087	.026	
7.0	.178	.088	.025	.174	.087	.025	.168	.085	.024	.162	.083	.024	.156	.081	.024	
8.0	.168	.082	.023	.165	.081	.023	.159	.079	.023	.154	.078	.022	.148	.076	.022	
9.0	.159	.077	.021	.156	.076	.021	.151	.075	.021	.146	.073	.021	.141	.072	.021	
10.0	.150	.072	.020	.148	.071	.020	.143	.070	.020	.139	.069	.020	.135	.068	.019	

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	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021	
1.0	.182	.162	.145	.155	.139	.125	.106	.096	.086	.061	.055	.050	.020	.018	.016	
2.0	.171	.138	.110	.146	.119	.095	.100	.082	.066	.058	.048	.039	.019	.015	.013	
3.0	.162	.120	.086	.139	.103	.075	.095	.072	.052	.055	.042	.031	.018	.014	.010	
4.0	.154	.106	.069	.132	.092	.060	.091	.064	.043	.052	.037	.025	.017	.012	.008	
5.0	.146	.095	.057	.126	.082	.050	.087	.058	.035	.050	.034	.021	.016	.011	.007	
6.0	.140	.087	.049	.120	.075	.042	.083	.052	.030	.048	.031	.018	.015	.010	.006	
7.0	.133	.080	.042	.115	.069	.037	.079	.048	.026	.046	.028	.015	.015	.009	.005	
8.0	.127	.074	.037	.110	.064	.032	.076	.045	.023	.044	.026	.014	.014	.009	.004	
9.0	.122	.069	.033	.105	.060	.029	.073	.042	.020	.042	.025	.012	.014	.008	.004	
10.0	.117	.064	.030	.101	.056	.026	.070	.039	.018	.041	.023	.011	.013	.008	.004	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

UGR Table

Report number:

MANUFACTURER:										
Address:										
NAME: MA-HDW4018B-36W					TYPE:			WEIGHT:		
SPECIFICATION:		CCT(K): 5000			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	13.2	14.5	13.4	14.7	14.9	13.0	14.3	13.3	14.5	14.7
3H	13.4	14.6	13.7	14.9	15.1	13.3	14.5	13.6	14.7	14.9
4H	13.5	14.7	13.8	14.9	15.2	13.3	14.5	13.7	14.7	15.0
6H	13.6	14.6	13.9	14.9	15.2	13.4	14.4	13.7	14.7	15.0
8H	13.6	14.6	13.9	14.9	15.2	13.4	14.4	13.7	14.7	15.0
12H	13.6	14.5	13.9	14.8	15.2	13.3	14.3	13.7	14.6	14.9
4H 2H	13.3	14.5	13.7	14.7	15.0	13.2	14.3	13.5	14.6	14.9
3H	13.7	14.7	14.1	15.0	15.3	13.6	14.6	13.9	14.9	15.2
4H	13.9	14.8	14.2	15.1	15.4	13.8	14.6	14.1	15.0	15.3
6H	14.0	14.8	14.4	15.1	15.5	13.9	14.7	14.3	15.0	15.4
8H	14.0	14.7	14.4	15.1	15.5	13.9	14.6	14.3	15.0	15.4
12H	14.0	14.7	14.5	15.1	15.5	13.9	14.5	14.3	14.9	15.3
8H 4H	13.9	14.6	14.3	15.0	15.4	13.8	14.5	14.2	14.9	15.3
6H	14.1	14.7	14.5	15.1	15.5	14.0	14.6	14.4	15.0	15.4
8H	14.1	14.7	14.6	15.1	15.6	14.1	14.6	14.5	15.0	15.5
12H	14.2	14.6	14.7	15.1	15.6	14.1	14.5	14.6	15.0	15.5
12H 4H	13.9	14.5	14.3	14.9	15.3	13.8	14.4	14.2	14.8	15.2
6H	14.1	14.6	14.5	15.0	15.5	14.0	14.5	14.5	14.9	15.4
8H	14.2	14.6	14.6	15.1	15.6	14.1	14.5	14.6	15.0	15.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.7 / - 0.9					+ 0.8 / - 1.0				
1.5H	+ 0.3 / - 0.5					+ 0.3 / - 0.5				
2.0H	+ 1.4 / - 1.7					+ 1.4 / - 1.8				

CIE Pub.117 Corrected 3242 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.1)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	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	66	56	50	65	56	50	64	55	50	44
0.80	76	66	60	75	66	60	74	65	60	54
1.00	84	75	69	83	74	69	81	75	68	62
1.25	91	82	76	89	81	76	87	80	75	69
1.50	95	87	82	93	86	81	91	85	80	74
2.00	101	94	89	99	93	88	96	90	86	80
2.50	103	97	93	102	96	92	98	93	90	82
3.00	106	101	96	104	99	95	100	96	93	85
4.00	109	105	101	107	103	100	103	100	97	88
5.00	111	107	104	109	105	102	104	102	99	90
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

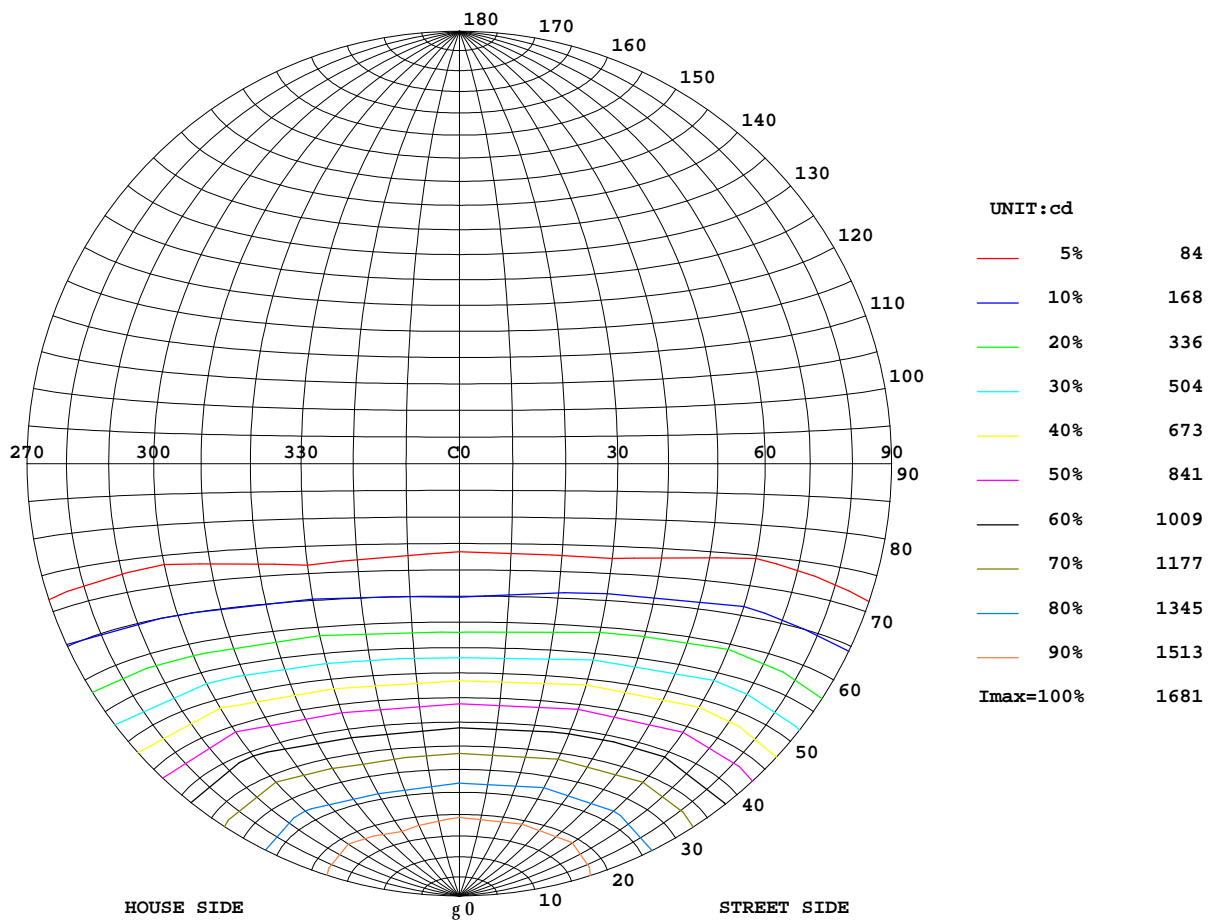
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:



Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2023年04月27日

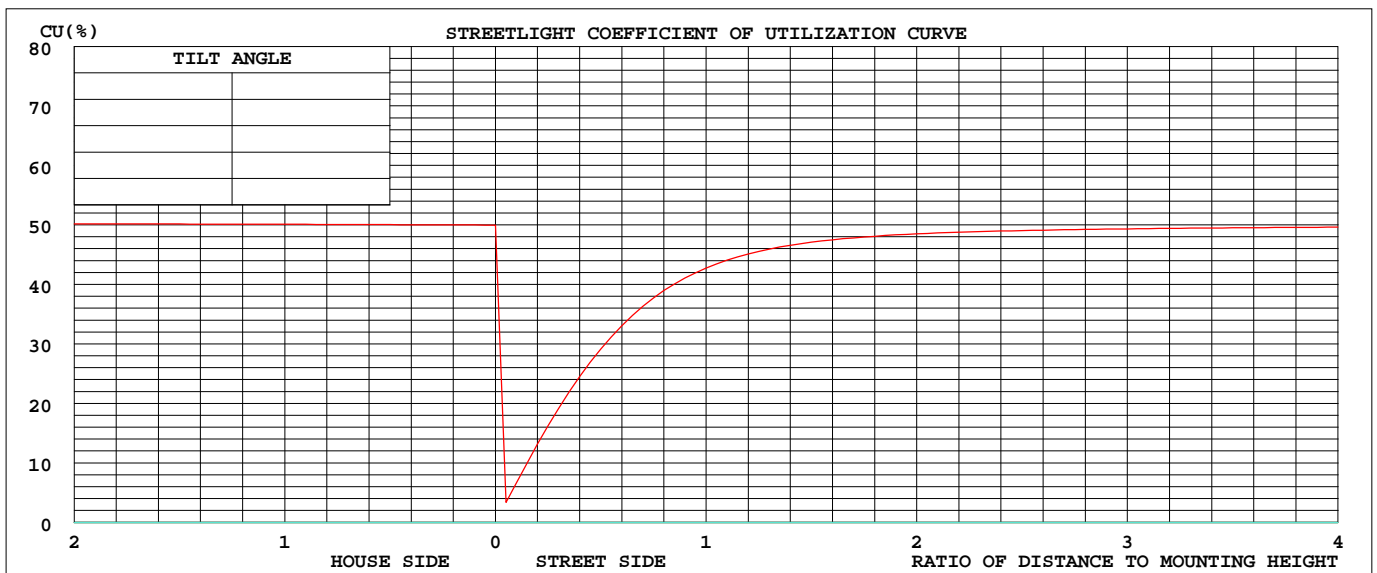
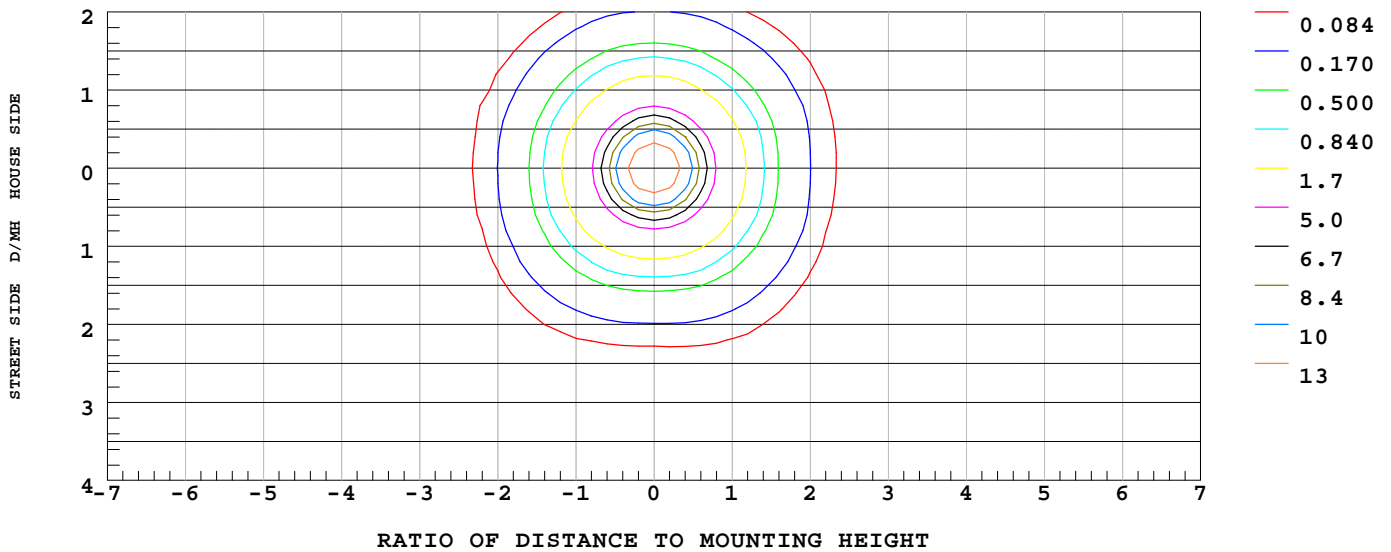
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 5.900 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 16.81 lx



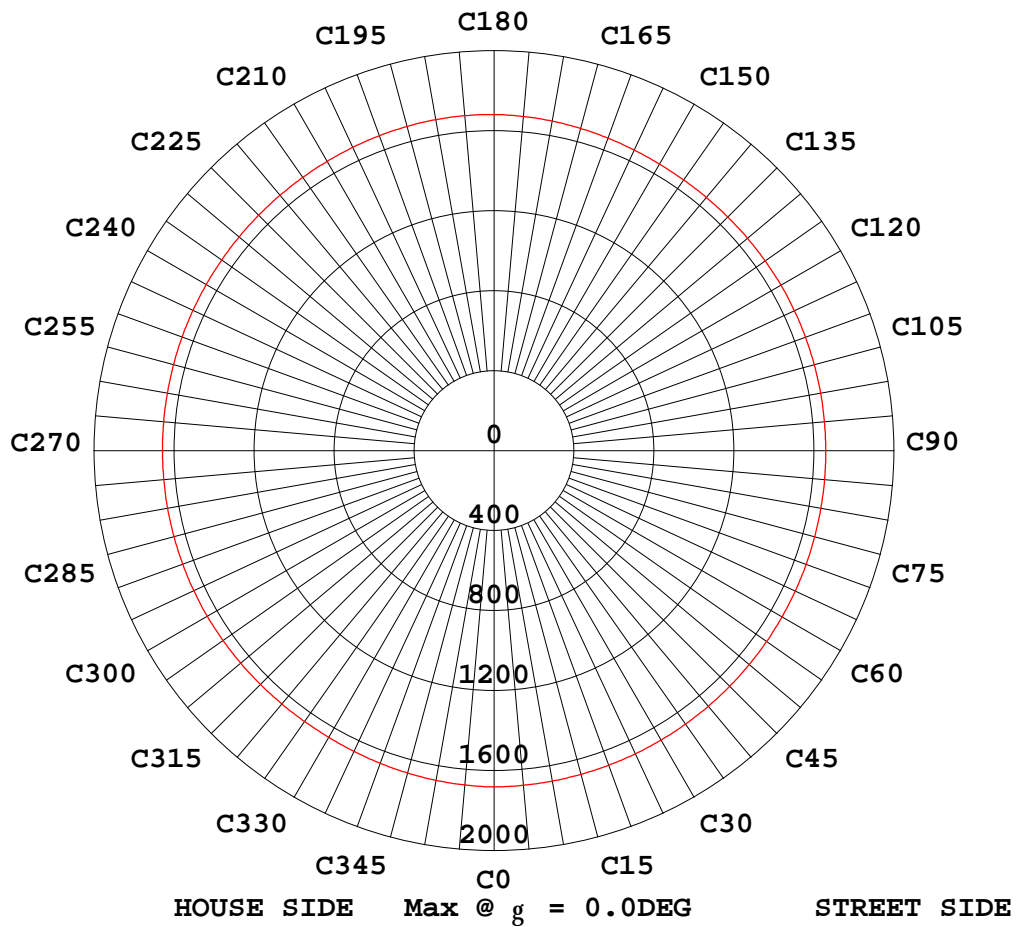
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: MA-HDW4018B-36W		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5000	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1681	1671	1663	1658	1657	1655	1681	1671	1663	1658	1657	1655
5.0	1669	1662	1654	1646	1648	1647	1672	1658	1650	1649	1644	1641
10.0	1635	1631	1624	1613	1618	1619	1639	1624	1616	1618	1608	1605
15.0	1579	1579	1571	1559	1567	1569	1587	1568	1562	1564	1556	1548
20.0	1502	1499	1497	1475	1492	1489	1506	1491	1476	1492	1470	1470
25.0	1401	1401	1402	1379	1399	1398	1411	1395	1381	1398	1372	1371
30.0	1273	1280	1280	1255	1281	1283	1292	1269	1260	1276	1249	1243
35.0	1130	1138	1136	1107	1139	1145	1149	1124	1116	1138	1105	1098
40.0	970	978	972	939	979	987	985	964	956	980	949	942
45.0	798	808	801	758	802	814	799	794	779	803	783	776
50.0	610	633	627	573	625	631	607	619	602	616	609	603
55.0	431	460	460	398	457	461	425	448	432	431	441	433
60.0	275	308	311	255	310	310	270	302	284	276	290	280
65.0	164	189	194	146	197	193	175	189	175	167	176	169
70.0	109	106	110	93.6	104	110	98.5	112	96.6	111	95.4	107
75.0	72.2	68.8	80.6	60.7	81.7	68.6	63.8	76.3	61.2	73.6	60.5	71.4
80.0	40.6	37.8	48.6	31.6	50.3	38.8	34.1	45.0	31.5	41.2	32.9	40.1
85.0	17.2	16.3	23.8	10.5	25.2	17.7	13.4	22.6	13.4	19.6	13.4	18.3
90.0	5.70	1.28	6.96	0.94	8.18	2.95	2.15	6.71	1.25	6.89	1.18	5.81
95.0	4.76	1.07	4.97	1.00	4.97	1.04	1.35	5.04	1.18	4.87	1.14	4.90
100.0	4.28	1.07	4.31	1.11	4.35	1.07	1.49	4.52	1.25	4.42	1.25	4.42
105.0	4.03	1.28	4.03	1.28	4.07	1.25	1.67	4.24	1.46	4.14	1.42	4.17
110.0	3.93	1.53	3.89	1.53	3.93	1.49	1.94	4.14	1.70	4.03	1.70	4.10
115.0	3.96	1.84	3.89	1.87	3.93	1.81	2.26	4.14	2.01	4.07	2.01	4.14
120.0	4.14	2.22	4.03	2.26	4.07	2.19	2.64	4.28	2.40	4.17	2.40	4.28
125.0	4.38	2.64	4.24	2.68	4.24	2.61	3.09	4.49	2.81	4.38	2.78	4.49
130.0	4.62	3.06	4.49	3.13	4.45	3.02	3.55	4.73	3.23	4.66	3.23	4.73
135.0	4.97	3.51	4.76	3.58	4.73	3.48	4.00	5.01	3.68	4.97	3.65	5.01
140.0	5.25	3.93	5.08	4.03	5.04	3.93	4.45	5.29	4.10	5.29	4.10	5.32
145.0	5.56	4.35	5.39	4.42	5.32	4.35	4.87	5.56	4.49	5.56	4.49	5.60
150.0	5.84	4.76	5.67	4.80	5.63	4.76	5.22	5.84	4.83	5.81	4.83	5.84
155.0	6.09	5.11	5.95	5.15	5.88	5.11	5.60	6.09	5.18	6.05	5.18	6.09
160.0	6.30	5.43	6.19	5.46	6.12	5.46	5.95	6.33	5.46	6.26	5.46	6.26
165.0	6.50	5.67	6.37	5.74	6.33	5.74	6.26	6.47	5.70	6.47	5.70	6.43
170.0	6.64	5.91	6.50	5.98	6.47	5.95	6.50	6.61	5.95	6.64	5.88	6.54
175.0	6.75	6.09	6.61	6.26	6.02	6.64	6.68	6.68	6.09	6.75	6.02	6.64
180.0	6.78	6.68	6.12	6.75	6.09	6.64	6.78	6.68	6.12	6.75	6.09	6.64

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2023年04月27日

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks: