

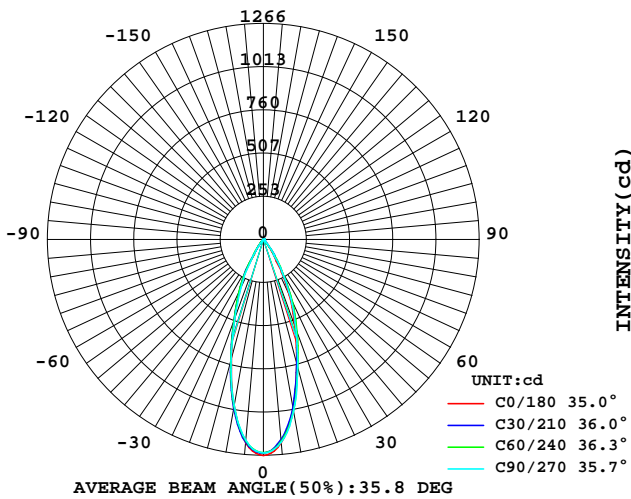
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

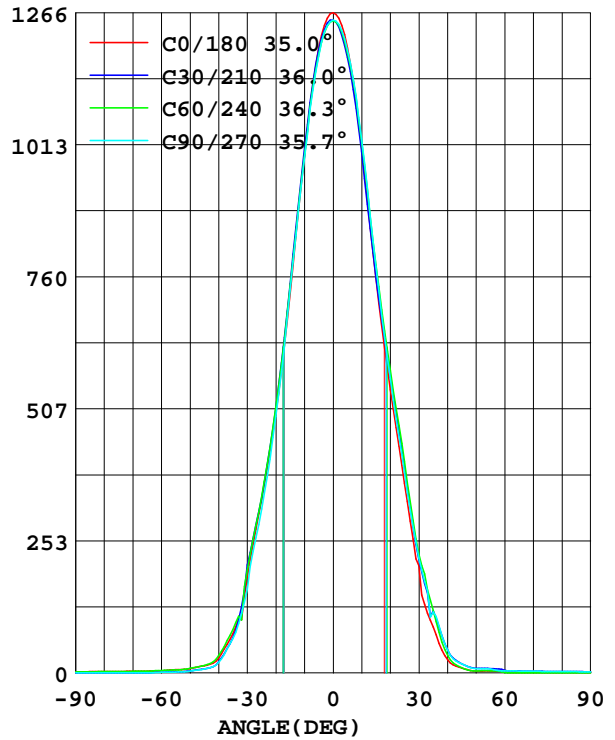
MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

DATA OF LAMP		I _{max} (cd)	1266	S/MH(C0/180)	0.55
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.56
NOMINAL POWER(W)	9	TOTAL FLUX(lm)	554.9	Voltage(V)	120.9
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	64.1	Current(A)	0.073
NOMINAL FLUX(lm)	554.9	h up(%)	1.6	Power(W)	8.660
LAMPS QUANTITY	1	h down(%)	98.4	Power Factor(PF)	0.971
TEST VOLTAGE(V)	120.9	Effective Flux(lm)	554.9	EEL	0.181

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



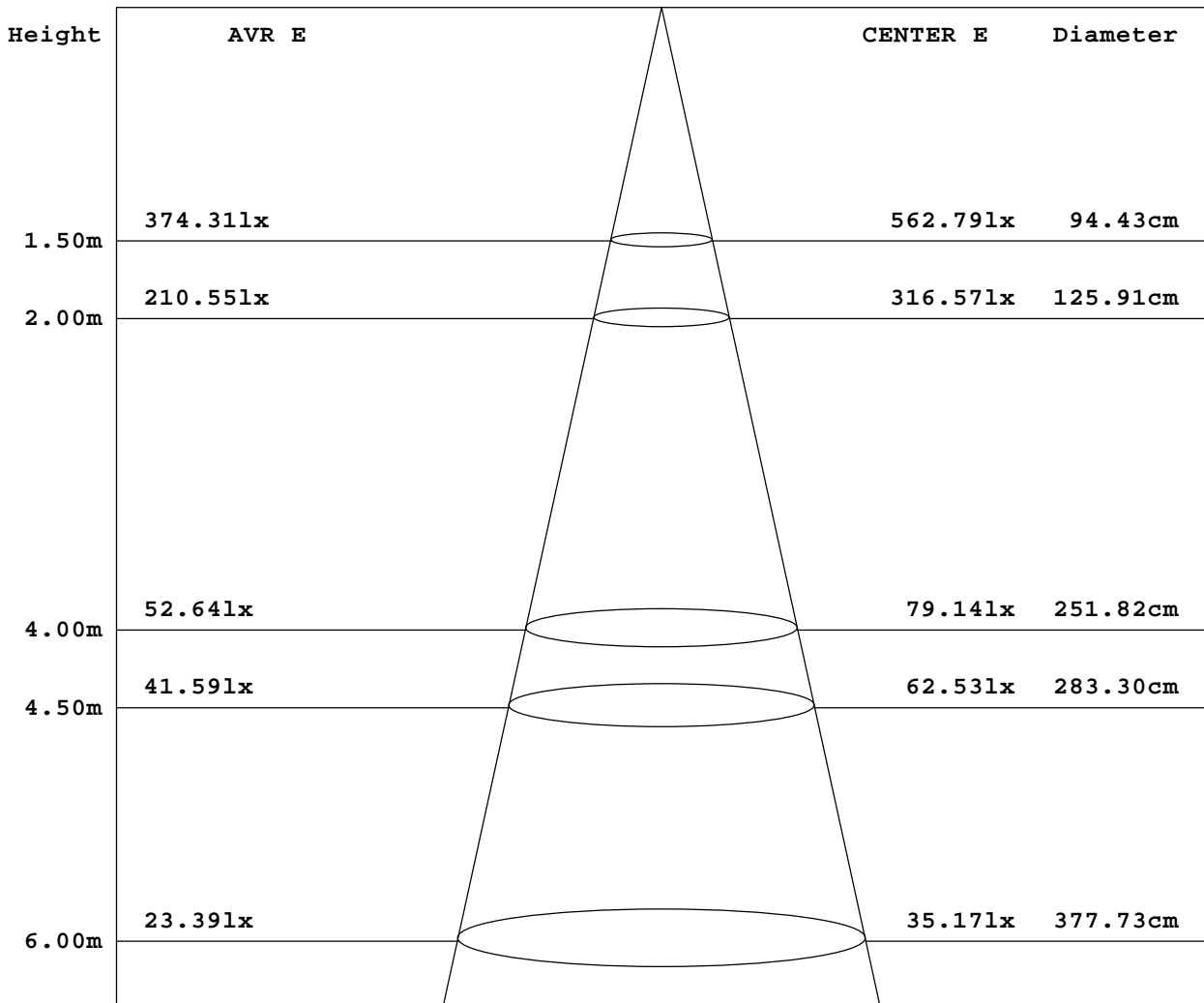
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Angle: 34.9deg

Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tBtal
5.0	1198	1190	1183	1186	1199	1184	1194	1177	0- 5	29.18	29.18
10.0	991.5	1001	988.9	998.4	1009	1010	1024	984.9	5- 10	78.14	107.3
15.0	728.0	743.9	735.7	740.3	757.4	769.9	779.5	718.4	10- 15	102.8	210.1
20.0	497.7	508.1	492.0	508.4	542.6	573.7	564.3	487.2	15- 20	102.7	312.9
25.0	332.3	337.2	314.2	331.5	363.9	399.7	384.7	314.4	20- 25	89.69	402.6
30.0	183.7	202.2	160.7	171.0	205.7	223.1	220.5	153.4	25- 30	67.25	469.8
35.0	75.01	75.39	65.72	81.73	88.24	119.4	116.7	71.60	30- 35	37.26	507.1
40.0	27.70	26.82	19.77	28.16	25.27	38.90	43.96	23.07	35- 40	18.58	525.7
45.0	14.02	11.27	7.588	12.28	9.468	14.01	17.47	10.87	40- 45	6.714	532.4
50.0	8.493	6.526	3.585	6.265	3.515	6.526	8.389	5.221	45- 50	3.495	535.9
55.0	6.300	3.950	1.810	4.525	3.655	6.352	7.797	4.734	50- 55	2.300	538.2
60.0	4.177	3.254	1.357	3.655	1.879	2.958	4.142	3.272	55- 60	1.928	540.1
65.0	3.585	2.053	0.522	2.001	0.835	2.140	3.620	1.984	60- 65	1.180	541.3
70.0	3.237	1.844	0.487	1.792	0.835	1.931	3.237	1.792	65- 70	0.998	542.3
75.0	2.924	1.688	0.487	1.653	0.835	1.775	2.958	1.653	70- 75	0.940	543.2
80.0	2.645	1.566	0.487	1.514	0.835	1.653	2.680	1.566	75- 80	0.890	544.1
85.0	2.471	1.462	0.487	1.409	0.835	1.549	2.506	1.462	80- 85	0.843	545.0
90.0	2.297	1.374	0.487	1.305	0.870	1.479	2.332	1.392	85- 90	0.801	545.8
95.0	2.158	1.305	0.487	1.253	0.870	1.392	2.193	1.322	90- 95	0.762	546.5
100.0	2.018	1.253	0.522	1.200	0.905	1.340	2.018	1.253	95-100	0.722	547.2
105.0	1.949	1.218	0.557	1.166	0.905	1.270	1.914	1.218	100-105	0.682	547.9
110.0	1.844	1.183	0.557	1.113	0.905	1.235	1.810	1.166	105-110	0.643	548.6
115.0	1.740	1.131	0.557	1.096	0.940	1.166	1.705	1.113	110-115	0.601	549.2
120.0	1.670	1.113	0.592	1.044	0.940	1.131	1.636	1.079	115-120	0.558	549.7
125.0	1.636	1.131	0.661	1.061	0.975	1.113	1.566	1.061	120-125	0.522	550.2
130.0	1.601	1.166	0.731	1.061	1.044	1.131	1.496	1.079	125-130	0.494	550.7
135.0	1.670	1.270	0.870	1.131	1.183	1.218	1.531	1.148	130-135	0.479	551.2
140.0	1.775	1.444	1.044	1.270	1.322	1.322	1.601	1.287	135-140	0.478	551.7
145.0	1.949	1.653	1.322	1.462	1.566	1.531	1.775	1.462	140-145	0.488	552.2
150.0	2.227	1.949	1.636	1.723	1.914	1.792	2.018	1.740	145-150	0.501	552.7
155.0	2.506	2.280	1.984	2.071	2.262	2.140	2.297	2.071	150-155	0.508	553.2
160.0	2.854	2.628	2.367	2.419	2.680	2.488	2.645	2.436	155-160	0.493	553.7
165.0	3.202	2.958	2.715	2.749	3.063	2.837	2.993	2.784	160-165	0.447	554.1
170.0	3.515	3.237	3.028	3.011	3.411	3.132	3.272	3.063	165-170	0.359	554.5
175.0	3.655	3.393	3.202	3.167	3.655	3.306	3.481	3.219	170-175	0.233	554.7
180.0	3.759	3.393	3.515	3.254	3.759	3.393	3.515	3.254	175-180	0.081	554.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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

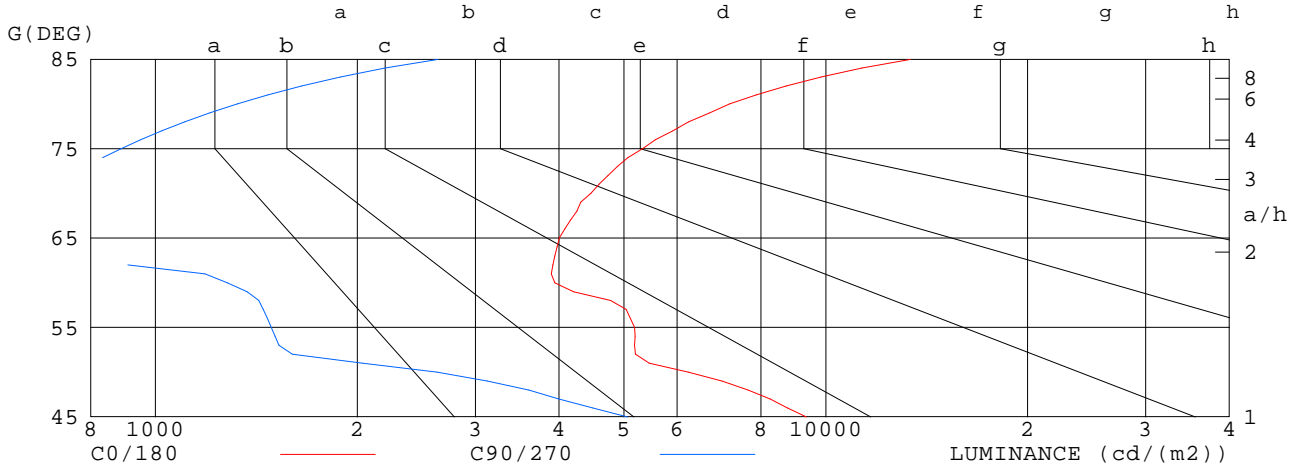
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	<=300	<=300	<=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



G (DEG)	LUMINANCE cd/m2	
	C0/180	C90/270
85	13376	2638
80	7186	1324
75	5329	888
70	4465	672
65	4002	583
60	3941	1281
55	5181	1489
50	6233	2631
45	9358	5062

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

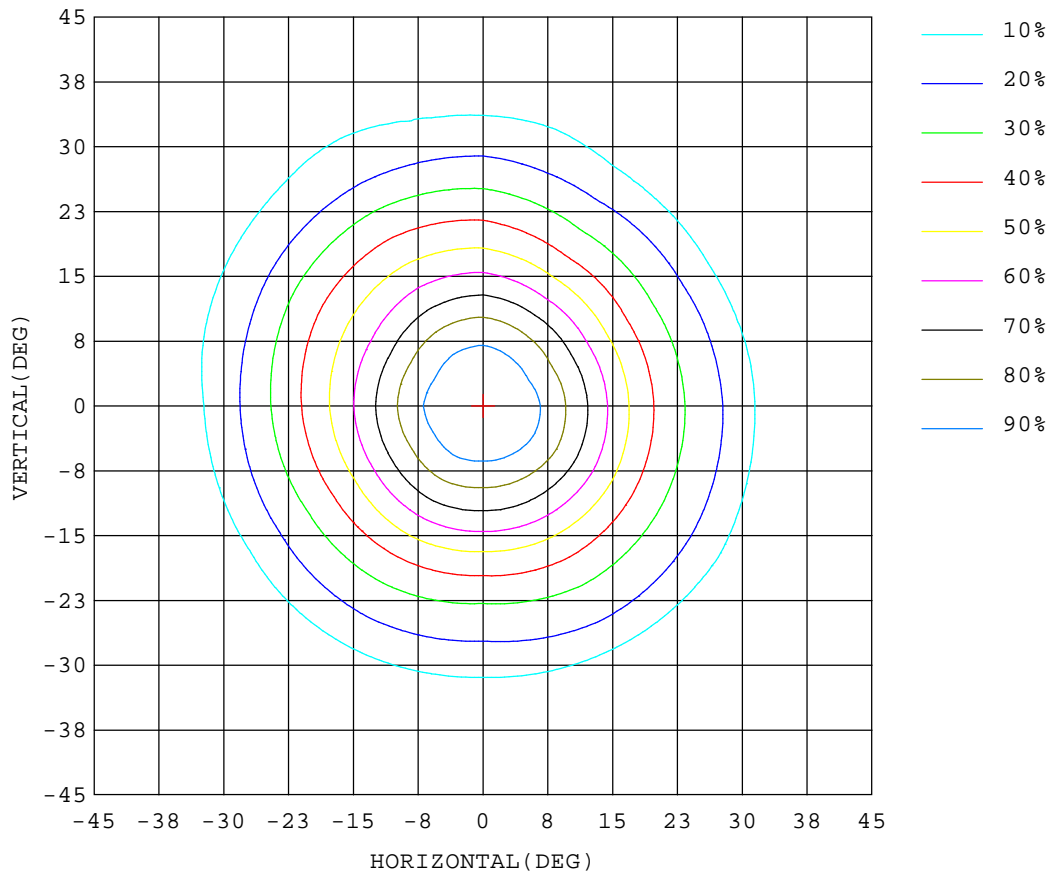
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

UNIT: cd



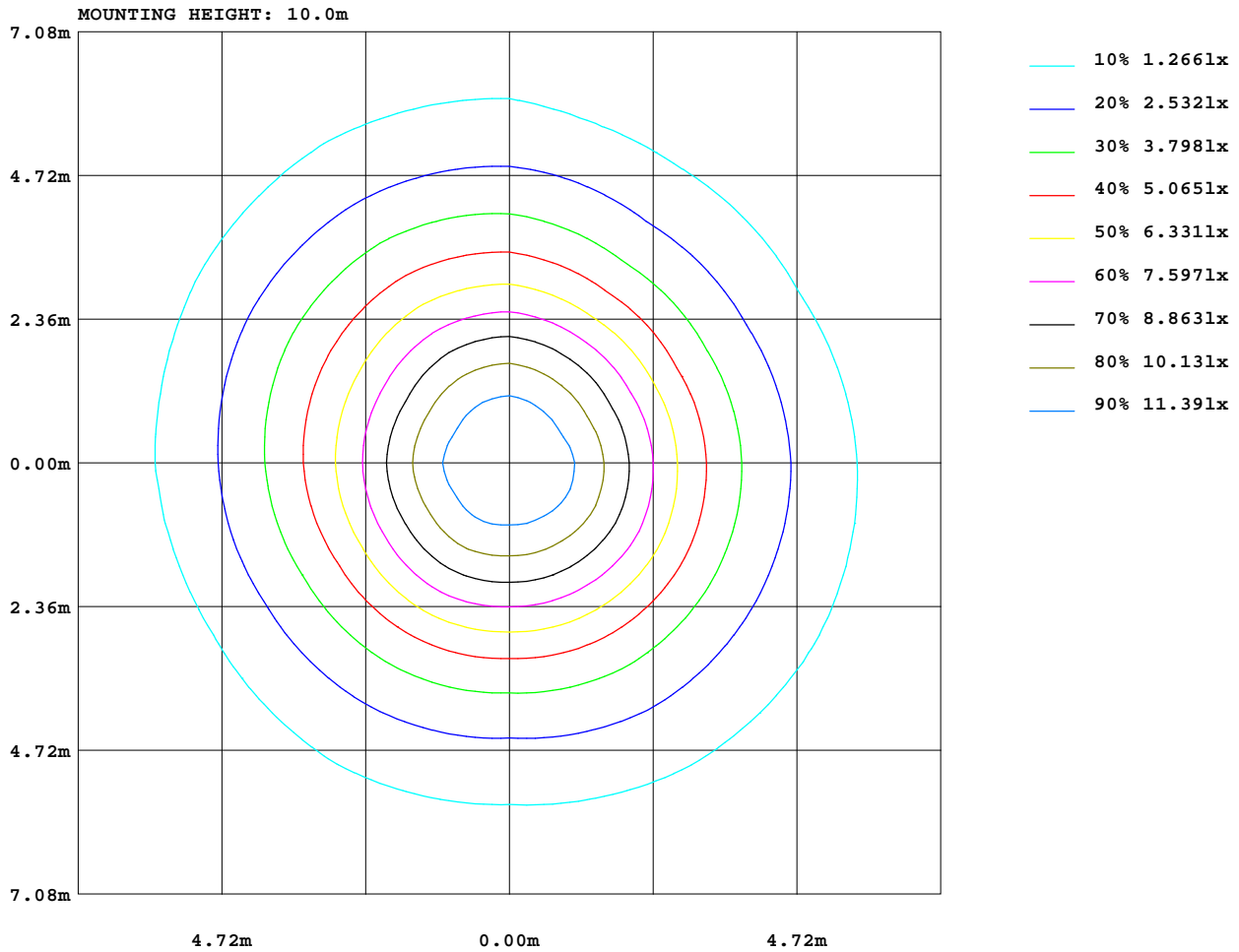
Test System: HOPOO HPG1800
Temperature: 25.3DEG
Operators:
Test Date: 2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	
SPECIFICATION:		CCT(K): 3000	
		DIMENSION:	
		WEIGHT:	
		SERIAL No.:	

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φt	Φa
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	
45	0.04	0.04	0.04	0.04	0.05	0.08	0.12	0.16	0.19	0.19	0.15	0.10	0.07	0.04	0.03	0.03	0.03	0.03	1.43	1.43
40	0.05	0.05	0.05	0.08	0.13	0.22	0.36	0.51	0.60	0.57	0.43	0.27	0.14	0.09	0.07	0.05	0.04	0.03	3.72	3.72
35	0.05	0.06	0.10	0.19	0.37	0.66	0.94	1.13	1.22	1.14	0.92	0.66	0.40	0.22	0.12	0.08	0.05	0.04	8.38	8.38
30	0.05	0.10	0.20	0.45	0.83	1.28	1.72	2.06	2.25	2.15	1.79	1.28	0.81	0.51	0.27	0.12	0.08	0.05	16.0	16.0
25	0.06	0.15	0.39	0.79	1.34	2.05	2.81	3.33	3.57	3.42	2.92	2.24	1.55	0.87	0.49	0.23	0.10	0.06	26.3	26.3
20	0.08	0.21	0.58	1.11	1.95	2.98	3.91	4.63	5.02	4.87	4.16	3.26	2.37	1.46	0.71	0.37	0.14	0.08	37.9	37.9
15	0.09	0.27	0.71	1.44	2.58	3.77	4.92	6.03	6.74	6.62	5.66	4.38	3.12	2.06	1.07	0.51	0.21	0.09	50.3	50.3
10	0.09	0.32	0.80	1.73	3.00	4.34	5.80	7.35	8.34	8.25	7.15	5.46	3.81	2.53	1.46	0.61	0.26	0.10	61.4	61.4
5	0.09	0.33	0.84	1.86	3.18	4.65	6.42	8.18	9.19	9.16	8.07	6.24	4.30	2.82	1.70	0.71	0.30	0.10	68.2	68.2
0	0.08	0.31	0.80	1.81	3.09	4.56	6.40	8.18	9.20	9.22	8.19	6.34	4.36	2.86	1.74	0.73	0.30	0.10	68.3	68.3
-5	0.08	0.26	0.69	1.57	2.74	4.05	5.65	7.28	8.21	8.18	7.28	5.70	3.98	2.64	1.60	0.64	0.26	0.09	60.9	60.9
-10	0.06	0.19	0.55	1.18	2.22	3.31	4.54	5.77	6.49	6.47	5.75	4.55	3.30	2.25	1.29	0.51	0.19	0.07	48.7	48.7
-15	0.05	0.12	0.38	0.78	1.61	2.51	3.37	4.12	4.55	4.55	4.13	3.38	2.54	1.75	0.86	0.35	0.12	0.06	35.2	35.2
-20	0.04	0.08	0.22	0.53	0.96	1.69	2.32	2.77	2.99	3.00	2.79	2.38	1.80	1.05	0.50	0.20	0.07	0.04	23.4	23.4
-25	0.02	0.06	0.12	0.30	0.59	0.91	1.33	1.68	1.84	1.85	1.72	1.39	0.92	0.55	0.28	0.11	0.05	0.03	13.7	13.7
-30	0.02	0.04	0.08	0.14	0.31	0.52	0.66	0.76	0.82	0.82	0.74	0.63	0.48	0.29	0.13	0.07	0.04	0.02	6.54	6.54
-35	0.02	0.03	0.05	0.09	0.14	0.21	0.28	0.32	0.33	0.32	0.31	0.27	0.20	0.13	0.08	0.05	0.03	0.01	2.87	2.87
-40	0.02	0.02	0.04	0.06	0.09	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.08	0.06	0.04	0.02	0.02	1.24	1.24
-45	0.02	0.02	0.04	0.06	0.09	0.10	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.08	0.06	0.04	0.02	0.02	1.24	1.24
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φt	0.99	2.64	6.63	14.1	25.2	37.9	51.7	64.4	71.6	70.9	62.3	48.6	34.3	22.2	12.4	5.39	2.29	1.01	555	
Φa	0.99	2.64	6.63	14.1	25.2	37.9	51.7	64.4	71.6	70.9	62.3	48.6	34.3	22.2	12.4	5.39	2.29	1.01		555

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

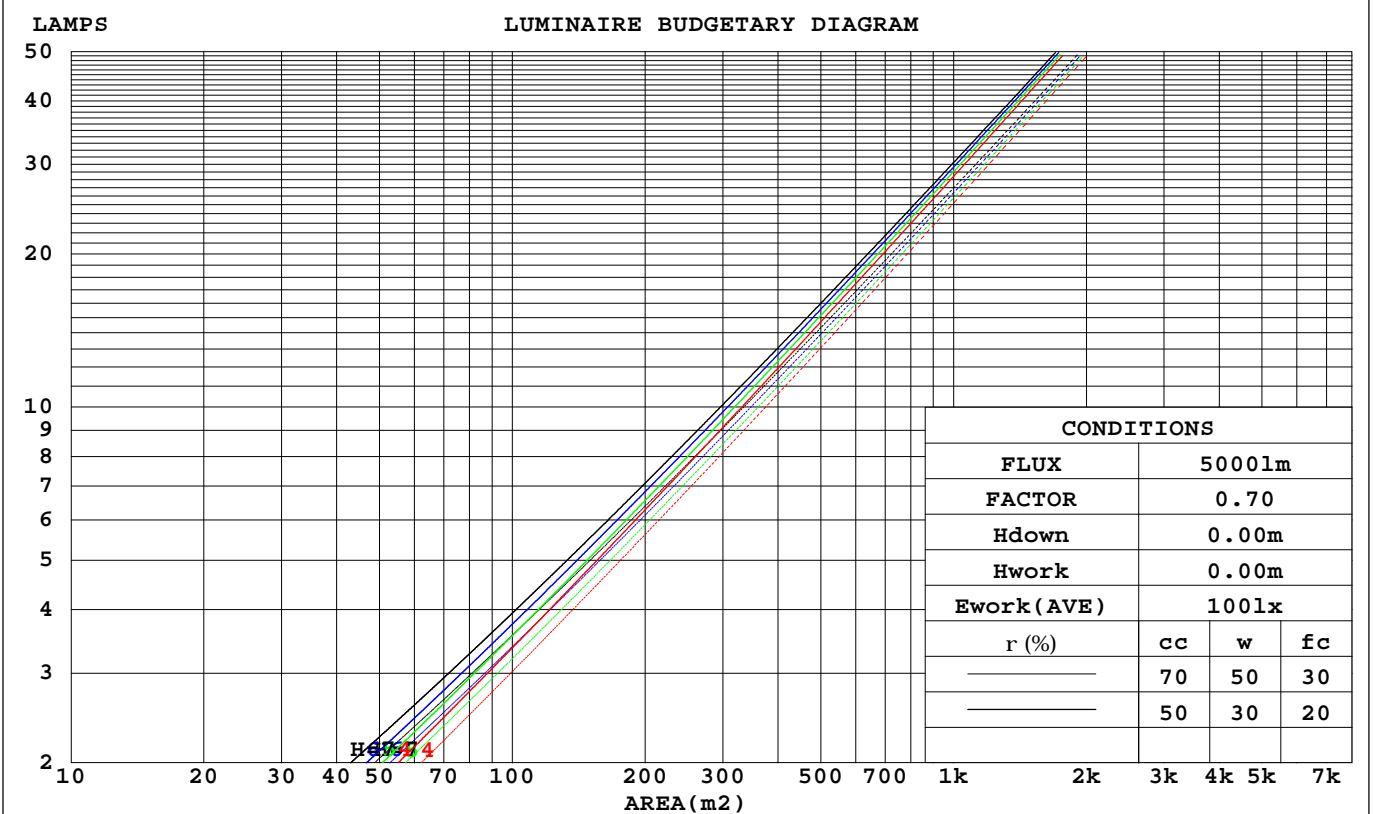
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000		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						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.97	.96	.95	.93
2.0	1.04	1.01	.98	1.03	.99	.97	.99	.97	.94	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.94	.91	.97	.93	.90	.94	.91	.88	.92	.89	.87	.89	.87	.85	.84
4.0	.93	.88	.85	.92	.88	.84	.90	.86	.83	.88	.85	.82	.86	.83	.81	.79
5.0	.89	.84	.80	.88	.83	.79	.86	.82	.79	.84	.80	.78	.82	.79	.77	.76
6.0	.84	.79	.75	.83	.79	.75	.82	.78	.75	.80	.77	.74	.79	.76	.73	.72
7.0	.80	.75	.72	.80	.75	.71	.78	.74	.71	.77	.73	.70	.76	.73	.70	.69
8.0	.77	.72	.68	.76	.71	.68	.75	.71	.68	.74	.70	.67	.73	.69	.67	.66
9.0	.74	.68	.65	.73	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.63
10.0	.71	.66	.62	.70	.65	.62	.69	.65	.62	.68	.64	.62	.68	.64	.61	.60



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	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	.164	.093	.030	.157	.090	.028	.144	.082	.026	.131	.076	.024	.120	.069	.022	
2.0	.154	.084	.026	.148	.081	.025	.136	.076	.024	.126	.071	.022	.116	.066	.021	
3.0	.144	.077	.023	.139	.075	.022	.130	.070	.021	.121	.066	.020	.112	.062	.019	
4.0	.136	.071	.021	.132	.069	.020	.124	.066	.020	.116	.062	.019	.109	.059	.018	
5.0	.129	.066	.019	.125	.064	.019	.118	.061	.018	.111	.059	.017	.105	.056	.017	
6.0	.123	.061	.018	.119	.060	.017	.113	.058	.017	.107	.056	.016	.102	.053	.016	
7.0	.117	.058	.016	.114	.057	.016	.108	.055	.016	.103	.053	.015	.098	.051	.015	
8.0	.112	.055	.015	.109	.054	.015	.104	.052	.015	.099	.050	.015	.095	.049	.014	
9.0	.107	.052	.014	.105	.051	.014	.100	.050	.014	.096	.048	.014	.092	.047	.013	
10.0	.103	.049	.014	.101	.049	.014	.096	.047	.013	.093	.046	.013	.089	.045	.013	

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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.183	.170	.158	.156	.146	.136	.107	.100	.094	.062	.058	.055	.020	.019	.018	
2.0	.166	.145	.127	.143	.125	.110	.098	.086	.077	.056	.050	.045	.018	.016	.015	
3.0	.153	.126	.105	.131	.109	.091	.090	.076	.064	.052	.044	.038	.017	.014	.012	
4.0	.142	.111	.088	.122	.096	.076	.084	.067	.054	.048	.039	.032	.016	.013	.010	
5.0	.132	.099	.075	.114	.086	.065	.078	.060	.046	.045	.035	.027	.015	.012	.009	
6.0	.124	.090	.065	.107	.078	.057	.074	.054	.040	.043	.032	.024	.014	.010	.008	
7.0	.117	.082	.057	.101	.071	.050	.070	.050	.035	.041	.029	.021	.013	.010	.007	
8.0	.111	.076	.051	.096	.066	.044	.066	.046	.032	.039	.027	.019	.012	.009	.006	
9.0	.106	.070	.046	.091	.061	.040	.063	.043	.028	.037	.025	.017	.012	.008	.006	
10.0	.101	.066	.042	.087	.057	.037	.061	.040	.026	.035	.024	.016	.011	.008	.005	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK						TYPE:			WEIGHT:	
SPECIFICATION:			CCT(K): 3000			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	13.6	14.4	13.9	14.6	14.8	13.9	14.7	14.2	14.9	15.1
3H	13.7	14.5	14.0	14.7	14.9	13.9	14.6	14.1	14.8	15.0
4H	13.9	14.6	14.2	14.8	15.1	13.8	14.5	14.1	14.8	15.0
6H	14.3	15.0	14.6	15.2	15.5	13.8	14.5	14.2	14.8	15.0
8H	14.6	15.3	15.0	15.5	15.8	13.8	14.5	14.2	14.8	15.0
12H	15.1	15.8	15.5	16.0	16.4	13.9	14.5	14.2	14.8	15.1
4H 2H	13.4	14.2	13.7	14.4	14.6	13.8	14.5	14.0	14.7	14.9
3H	13.5	14.2	13.9	14.4	14.7	13.9	14.5	14.2	14.8	15.1
4H	13.8	14.3	14.1	14.6	15.0	14.0	14.6	14.4	14.9	15.2
6H	14.3	14.8	14.7	15.1	15.5	14.2	14.7	14.6	15.0	15.4
8H	14.8	15.2	15.2	15.6	16.0	14.3	14.7	14.7	15.1	15.5
12H	15.5	15.9	15.9	16.3	16.7	14.4	14.8	14.8	15.2	15.6
8H 4H	13.8	14.2	14.2	14.6	15.0	14.0	14.5	14.4	14.9	15.3
6H	14.3	14.7	14.8	15.1	15.6	14.6	14.9	15.0	15.4	15.8
8H	14.8	15.2	15.3	15.6	16.1	14.9	15.3	15.4	15.7	16.2
12H	15.8	16.0	16.3	16.5	17.0	15.3	15.6	15.8	16.1	16.6
12H 4H	13.8	14.2	14.2	14.6	15.0	14.0	14.4	14.4	14.8	15.2
6H	14.4	14.7	14.9	15.2	15.7	14.6	14.9	15.1	15.4	15.8
8H	14.9	15.2	15.4	15.7	16.2	15.1	15.4	15.6	15.9	16.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 1.7					+ 1.6 / - 1.7				
1.5H	+ 4.3 / - 1.9					+ 3.3 / - 1.9				
2.0H	+ 2.0 / - 0.9					+ 0.9 / - 0.9				

CIE Pub.117 Corrected 554.8 lm Total Lamp Luminous Flux. (8log(F/F0) = -2.0)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	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	88	82	79	88	82	78	87	82	78	75
0.80	95	90	86	95	89	86	93	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	100	97	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	113	111	108	111	109	107	107	106	104	97
5.00	115	112	111	112	111	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHR NOM = 1.25			

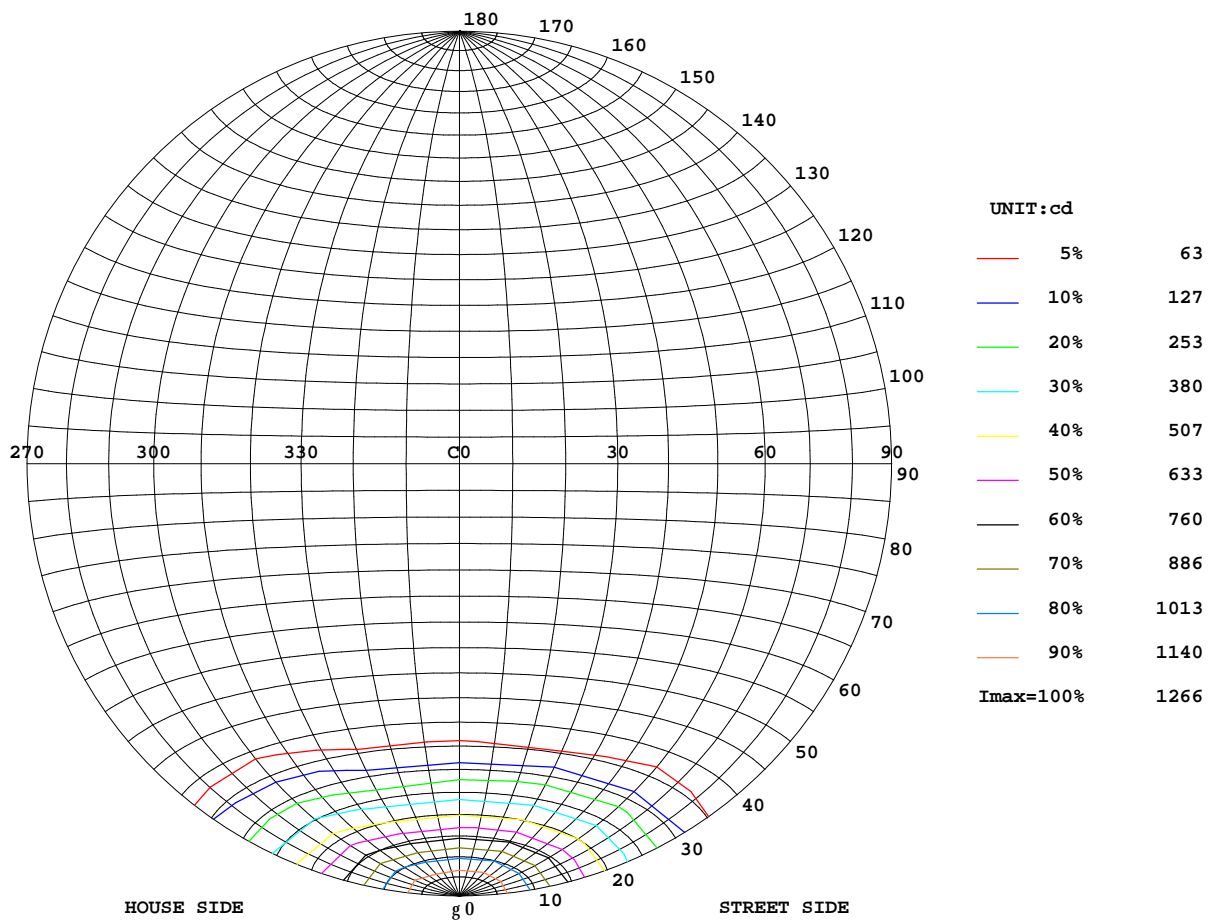
Test System: HOPOO HPG1800
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024/01/16

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

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

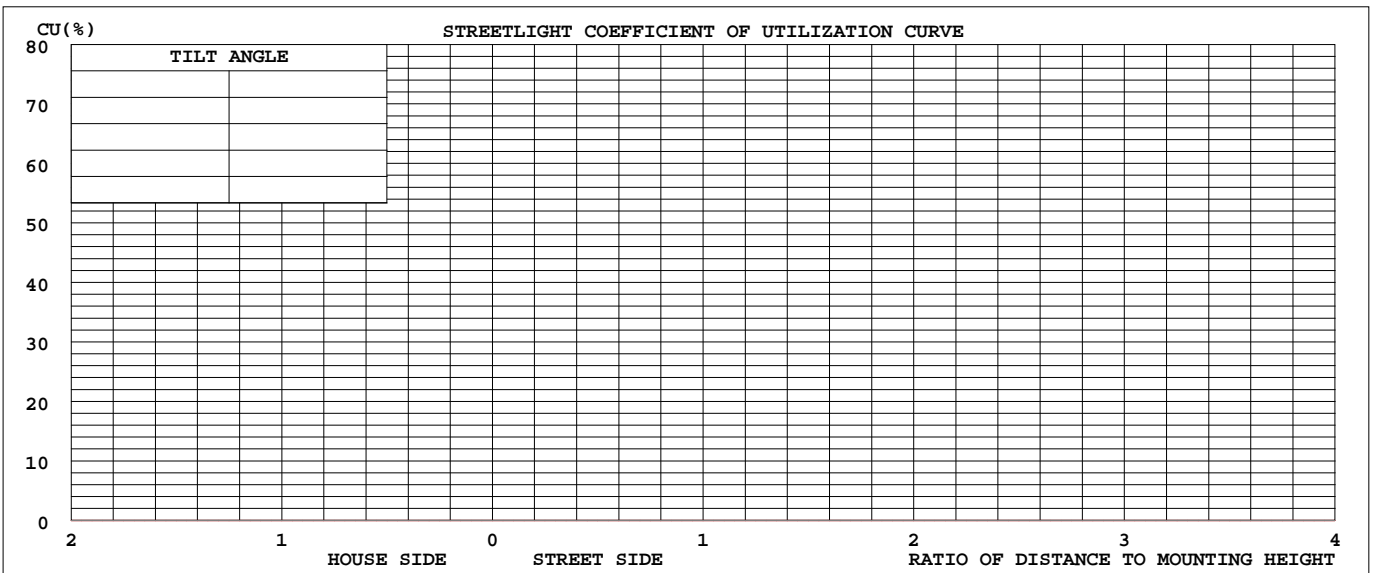
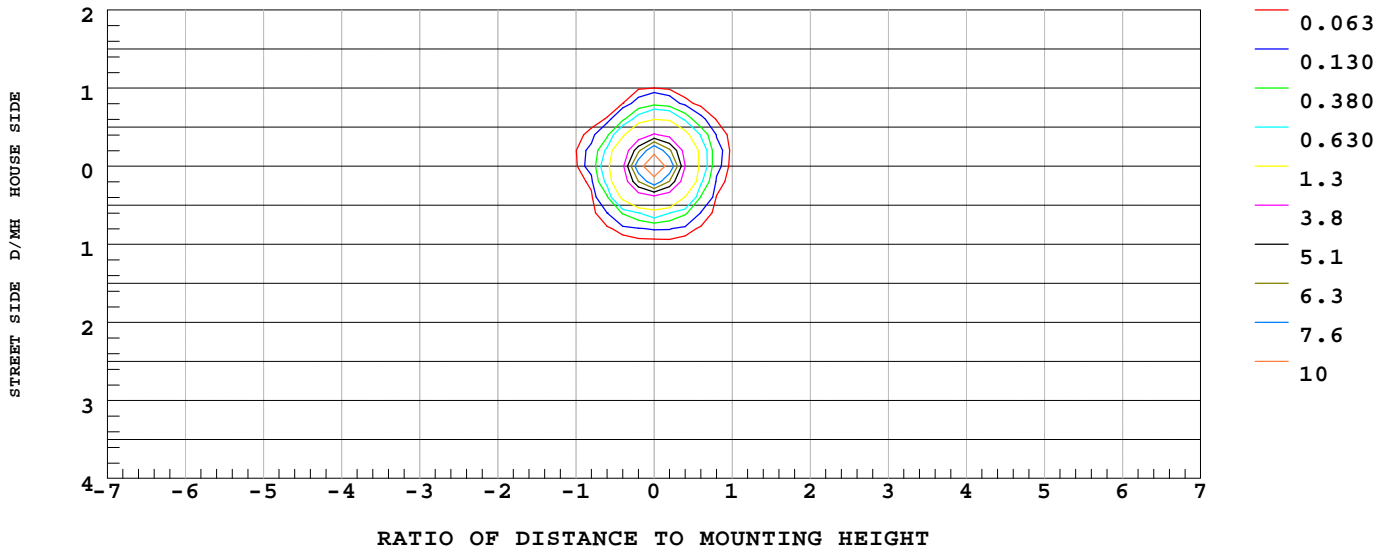
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 12.66 lx



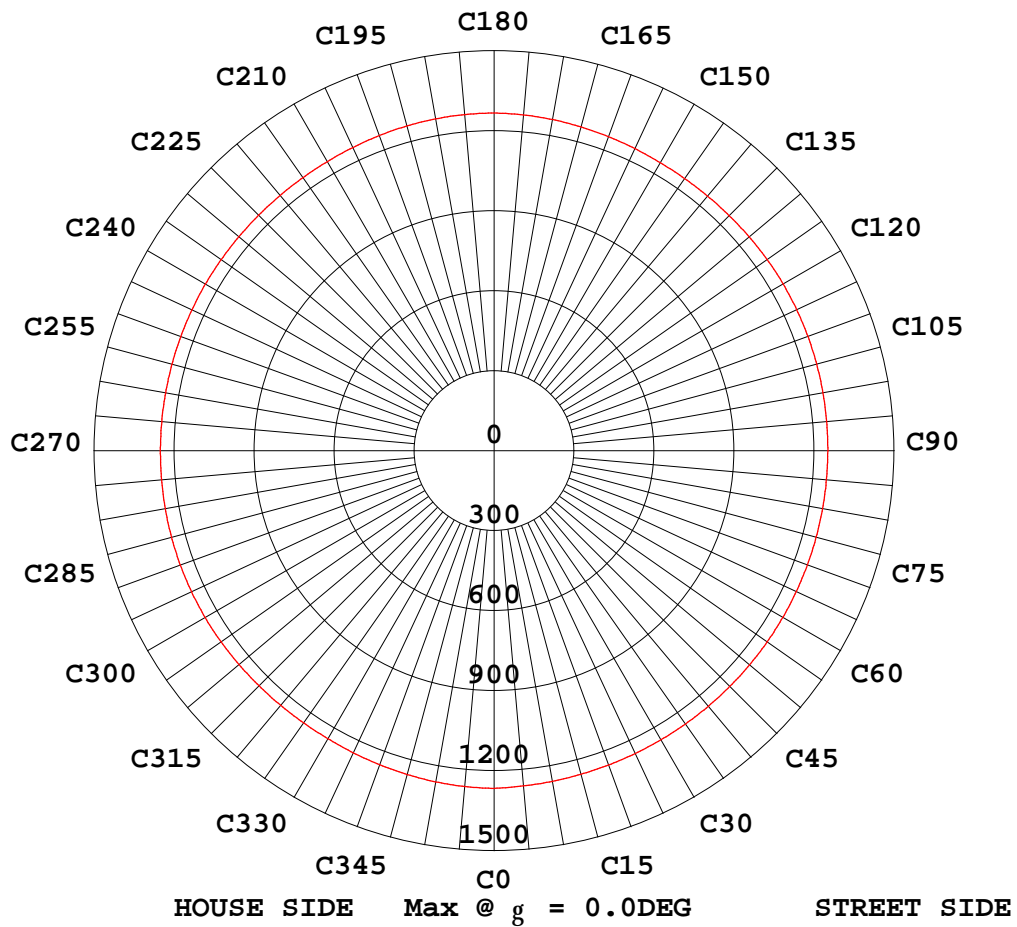
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/01/16

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: JXL-COB02-R09W-5CCT-BK-2RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3000	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1266	1252	1251	1252	1252	1247	1266	1252	1251	1252	1252	1247
5.0	1198	1195	1186	1183	1190	1182	1199	1180	1188	1194	1181	1173
10.0	992	1007	994	989	1001	996	1009	1001	1020	1024	995	975
15.0	728	746	742	736	744	737	757	758	782	780	727	710
20.0	498	507	509	492	506	511	543	567	581	564	494	480
25.0	332	336	338	314	330	333	364	394	406	385	318	311
30.0	184	207	197	161	183	159	206	218	228	221	154	153
35.0	75.0	67.8	82.9	65.7	89.1	74.2	88.2	119	120	117	71.8	71.3
40.0	27.7	20.8	32.7	19.7	34.2	22.0	25.2	43.8	33.9	43.9	20.5	25.6
45.0	14.0	7.90	14.6	7.58	15.2	9.36	9.46	17.7	10.3	17.4	8.18	13.5
50.0	8.49	4.03	9.01	3.58	9.32	3.20	3.51	9.05	4.00	8.38	2.81	7.62
55.0	6.30	2.08	5.81	1.81	6.57	2.47	3.65	8.45	4.24	7.79	3.13	6.33
60.0	4.17	1.63	4.87	1.35	5.49	1.81	1.87	5.08	0.84	4.14	1.53	5.01
65.0	3.58	0.56	3.55	0.52	3.51	0.49	0.84	3.72	0.56	3.62	0.52	3.44
70.0	3.23	0.56	3.13	0.49	3.09	0.49	0.84	3.30	0.56	3.23	0.52	3.06
75.0	2.92	0.56	2.81	0.49	2.81	0.49	0.84	2.99	0.56	2.95	0.52	2.78
80.0	2.64	0.56	2.57	0.49	2.54	0.49	0.84	2.74	0.56	2.68	0.56	2.57
85.0	2.47	0.56	2.36	0.49	2.33	0.49	0.84	2.54	0.56	2.50	0.56	2.36
90.0	2.29	0.56	2.19	0.49	2.15	0.45	0.87	2.36	0.59	2.33	0.56	2.22
95.0	2.15	0.56	2.05	0.49	2.01	0.49	0.87	2.19	0.59	2.19	0.56	2.08
100.0	2.01	0.56	1.94	0.52	1.91	0.49	0.91	2.08	0.59	2.01	0.56	1.94
105.0	1.94	0.59	1.84	0.56	1.81	0.52	0.91	1.94	0.59	1.91	0.59	1.84
110.0	1.84	0.63	1.74	0.56	1.70	0.52	0.91	1.84	0.63	1.81	0.59	1.74
115.0	1.74	0.63	1.63	0.56	1.63	0.56	0.94	1.74	0.59	1.70	0.59	1.63
120.0	1.67	0.66	1.56	0.59	1.53	0.56	0.94	1.63	0.63	1.63	0.59	1.56
125.0	1.63	0.73	1.53	0.66	1.49	0.63	0.97	1.60	0.63	1.56	0.63	1.49
130.0	1.60	0.80	1.53	0.73	1.46	0.66	1.04	1.56	0.70	1.49	0.70	1.46
135.0	1.67	0.94	1.60	0.87	1.49	0.77	1.18	1.60	0.84	1.53	0.80	1.49
140.0	1.77	1.14	1.74	1.04	1.60	0.94	1.32	1.67	0.97	1.60	0.97	1.60
145.0	1.94	1.39	1.91	1.32	1.74	1.18	1.56	1.84	1.21	1.77	1.18	1.74
150.0	2.22	1.74	2.15	1.63	1.98	1.46	1.91	2.05	1.53	2.01	1.49	1.98
155.0	2.50	2.08	2.47	1.98	2.29	1.84	2.26	2.36	1.91	2.29	1.87	2.26
160.0	2.85	2.47	2.78	2.36	2.61	2.22	2.68	2.71	2.26	2.64	2.26	2.61
165.0	3.20	2.81	3.09	2.71	2.92	2.57	3.06	3.02	2.64	2.99	2.61	2.95
170.0	3.51	3.13	3.34	3.02	3.16	2.85	3.41	3.30	2.95	3.27	2.92	3.20
175.0	3.65	3.30	3.48	3.20	3.30	3.02	3.65	3.48	3.13	3.48	3.09	3.34
180.0	3.75	3.55	3.23	3.51	3.13	3.37	3.75	3.55	3.23	3.51	3.13	3.37

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/01/16

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