

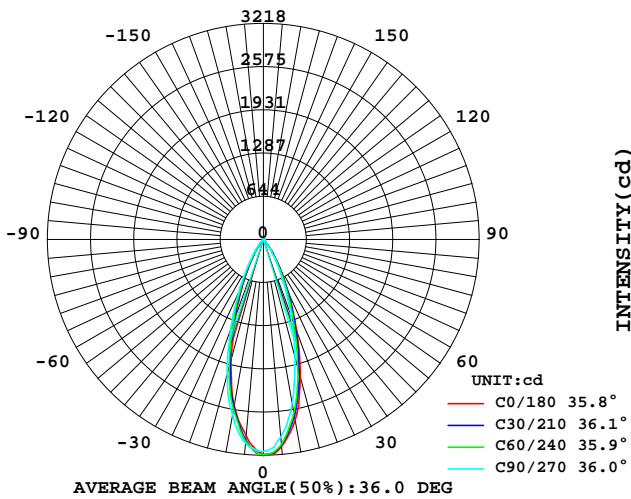
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

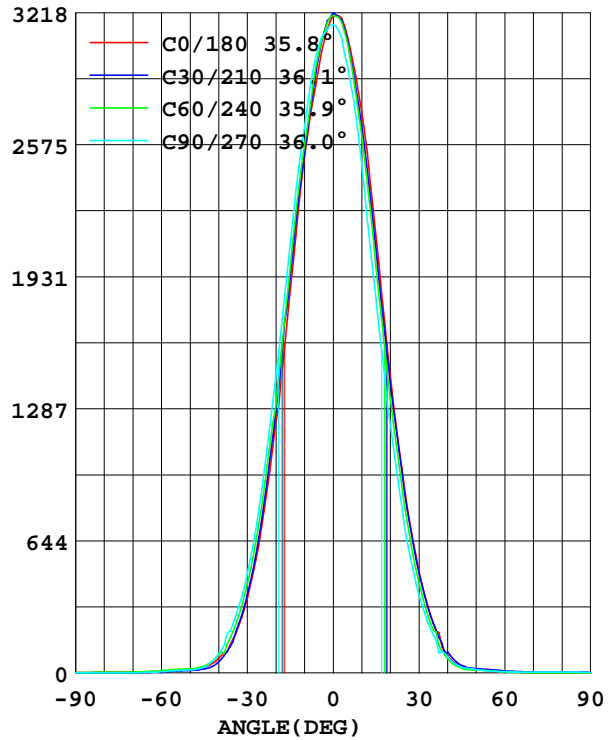
MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	3218	S/MH(C0/180)	0.56
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	0.62
NOMINAL POWER(W)	15	TOTAL FLUX(lm)	1384.4	Voltage(V)	120.5
RATED VOLTAGE(V)	120	EFFICIENCY(lm/W)	95.6	Current(A)	0.121
NOMINAL FLUX(lm)	1384.4	h up(%)	1.0	Power(W)	14.48
LAMPS QUANTITY	1	h down(%)	99.0	Power Factor(PF)	0.986
TEST VOLTAGE(V)	120.6	Effictive Flux(lm)	1384.4	EET	0.142

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



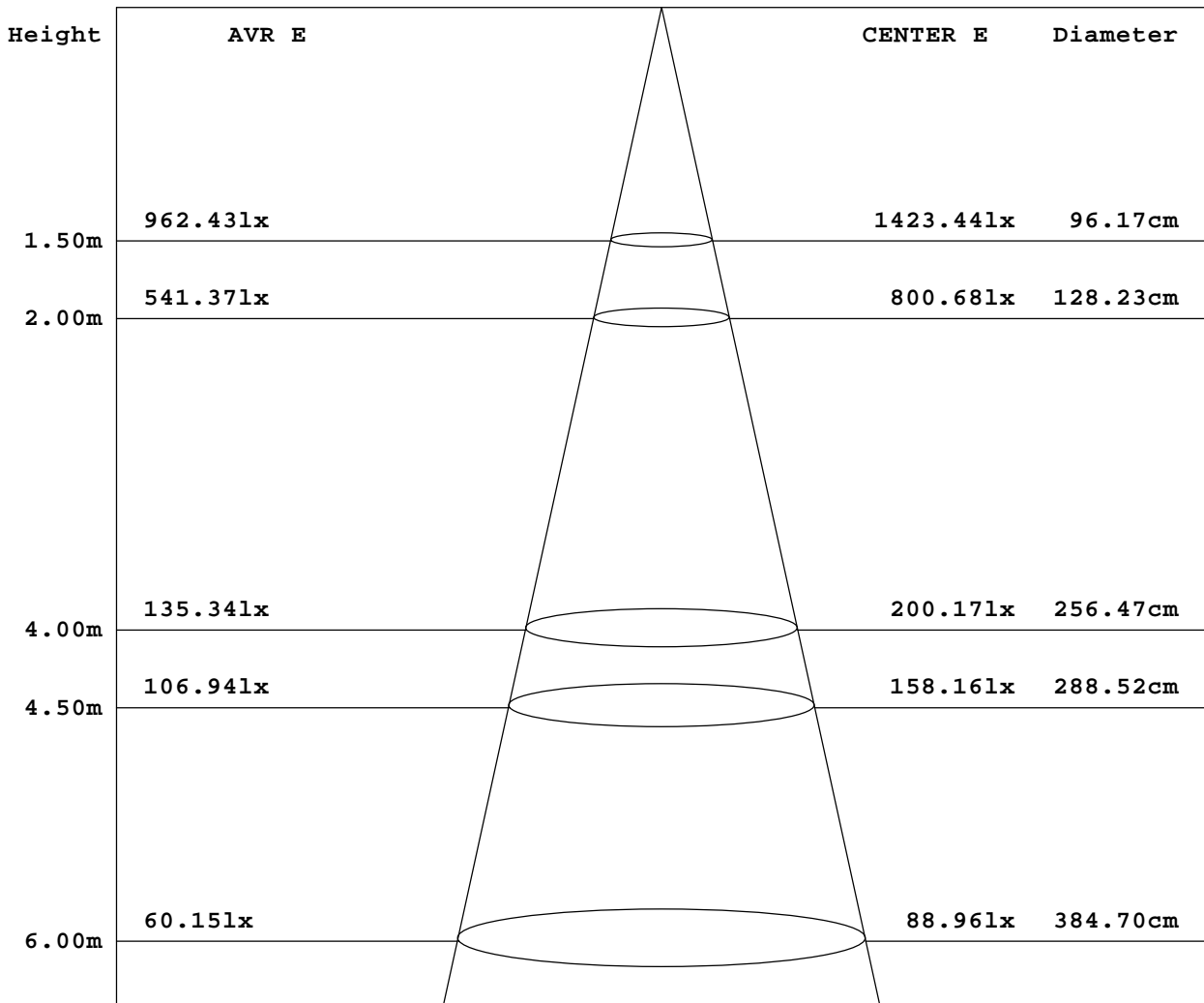
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Angle: 35.5deg

Test System: HOPOO HPG1800
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	zone	tStal
5.0	2947	3013	3053	2913	3103	3081	2959	3063	0- 5	74.04	74.04
10.0	2520	2556	2662	2398	2742	2649	2488	2739	5- 10	200.0	274.0
15.0	1863	1951	2088	1760	2130	2023	1825	2178	10- 15	270.1	544.2
20.0	1218	1286	1441	1152	1450	1373	1212	1512	15- 20	269.1	813.3
25.0	713.3	777.6	890.4	668.3	902.9	850.5	714.5	935.2	20- 25	220.1	1033
30.0	361.7	407.3	484.3	357.3	498.4	467.5	381.7	515.0	25- 30	152.6	1186
35.0	162.2	176.7	237.6	177.0	240.7	225.8	186.4	255.4	30- 35	91.03	1277
40.0	70.73	70.45	92.45	66.93	86.57	86.27	80.55	102.7	35- 40	44.93	1322
45.0	29.20	26.66	29.51	25.55	29.34	30.19	28.02	39.23	40- 45	19.07	1341
50.0	17.85	16.13	14.86	17.68	16.08	17.85	16.91	18.06	45- 50	8.791	1350
55.0	13.61	12.89	11.52	12.60	11.76	13.47	9.050	13.34	50- 55	6.443	1356
60.0	8.458	7.901	6.405	6.492	5.499	7.449	6.544	8.267	55- 60	4.577	1361
65.0	5.813	4.977	3.202	3.985	3.411	5.134	4.490	5.273	60- 65	2.799	1364
70.0	4.072	2.488	0.731	2.314	1.044	2.610	4.037	2.958	65- 70	1.740	1365
75.0	3.655	2.193	0.696	2.123	1.044	2.384	3.689	2.384	70- 75	1.241	1367
80.0	3.306	2.018	0.696	1.966	1.079	2.245	3.411	2.245	75- 80	1.175	1368
85.0	3.063	1.897	0.696	1.827	1.113	2.140	3.202	2.106	80- 85	1.119	1369
90.0	2.854	1.792	0.731	1.740	1.148	2.018	2.993	2.001	85- 90	1.070	1370
95.0	2.680	1.723	0.731	1.653	1.183	1.931	2.819	1.931	90- 95	1.020	1371
100.0	2.541	1.653	0.766	1.601	1.183	1.827	2.645	1.844	95-100	0.970	1372
105.0	2.367	1.601	0.766	1.549	1.218	1.757	2.506	1.757	100-105	0.918	1373
110.0	2.262	1.566	0.801	1.514	1.183	1.705	2.367	1.688	105-110	0.865	1374
115.0	2.193	1.531	0.835	1.479	1.218	1.636	2.227	1.601	110-115	0.812	1375
120.0	2.123	1.514	0.905	1.479	1.218	1.583	2.123	1.549	115-120	0.761	1375
125.0	2.088	1.549	0.975	1.531	1.287	1.566	2.053	1.531	120-125	0.718	1376
130.0	2.158	1.670	1.148	1.653	1.392	1.636	2.088	1.583	125-130	0.696	1377
135.0	2.332	1.897	1.392	1.879	1.636	1.792	2.227	1.723	130-135	0.702	1378
140.0	2.680	2.280	1.775	2.297	2.018	2.106	2.506	2.018	135-140	0.742	1378
145.0	3.237	2.871	2.367	2.889	2.575	2.610	2.993	2.471	140-145	0.816	1379
150.0	3.968	3.602	3.098	3.620	3.341	3.289	3.655	3.115	145-150	0.905	1380
155.0	4.838	4.490	3.968	4.473	4.246	4.124	4.490	3.933	150-155	0.975	1381
160.0	5.743	5.395	4.873	5.343	5.256	5.047	5.395	4.803	155-160	0.993	1382
165.0	6.613	6.248	5.743	6.126	6.230	5.952	6.265	5.674	160-165	0.927	1383
170.0	7.344	6.944	6.439	6.753	7.136	6.753	6.996	6.422	165-170	0.763	1384
175.0	7.867	7.397	7.031	6.996	7.762	7.327	7.518	6.996	170-175	0.505	1384
180.0	8.075	7.571	7.588	7.292	8.075	7.571	7.588	7.292	175-180	0.177	1384
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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

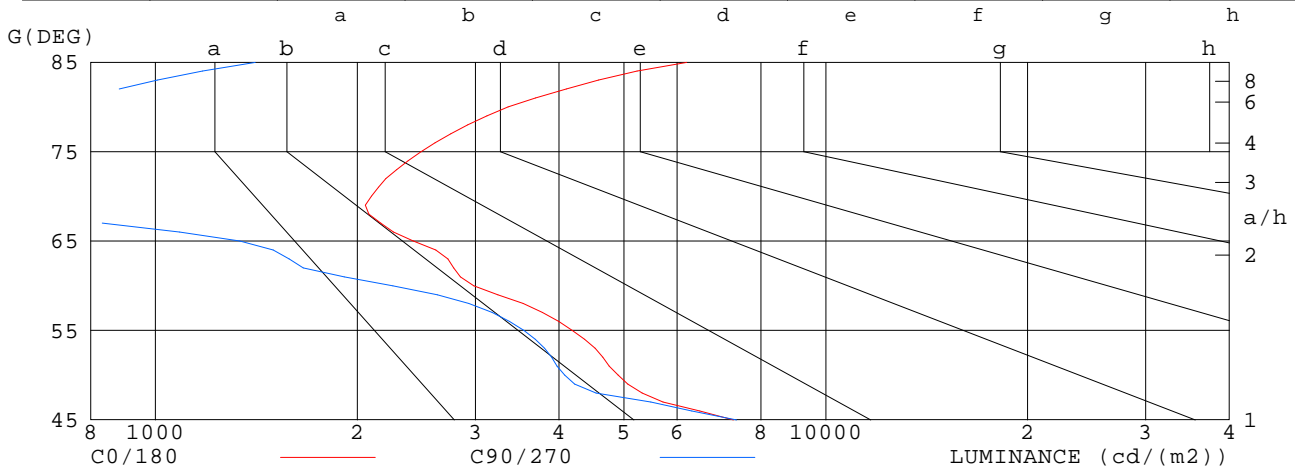
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	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	6199	1409
80	3359	707
75	2491	474
70	2100	377
65	2426	1336
60	2984	2259
55	4185	3543
50	4900	4078
45	7284	7363

Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/02/02

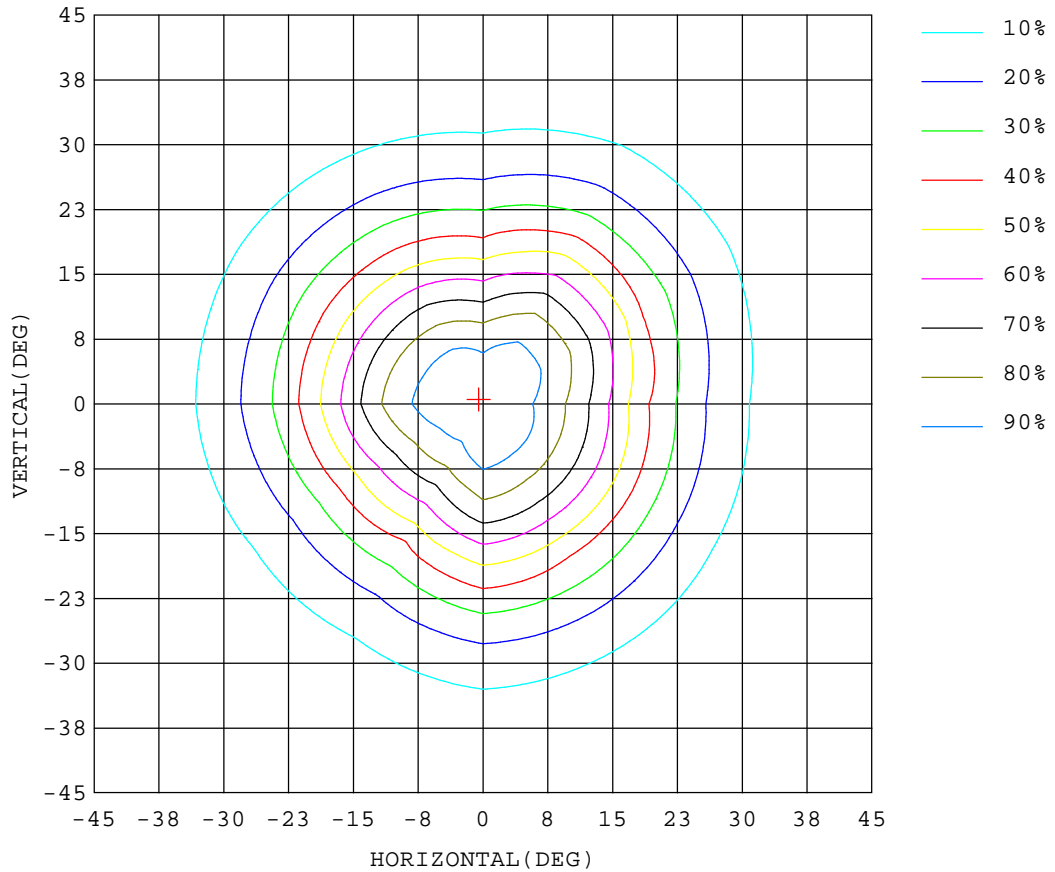
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.900 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

UNIT: cd



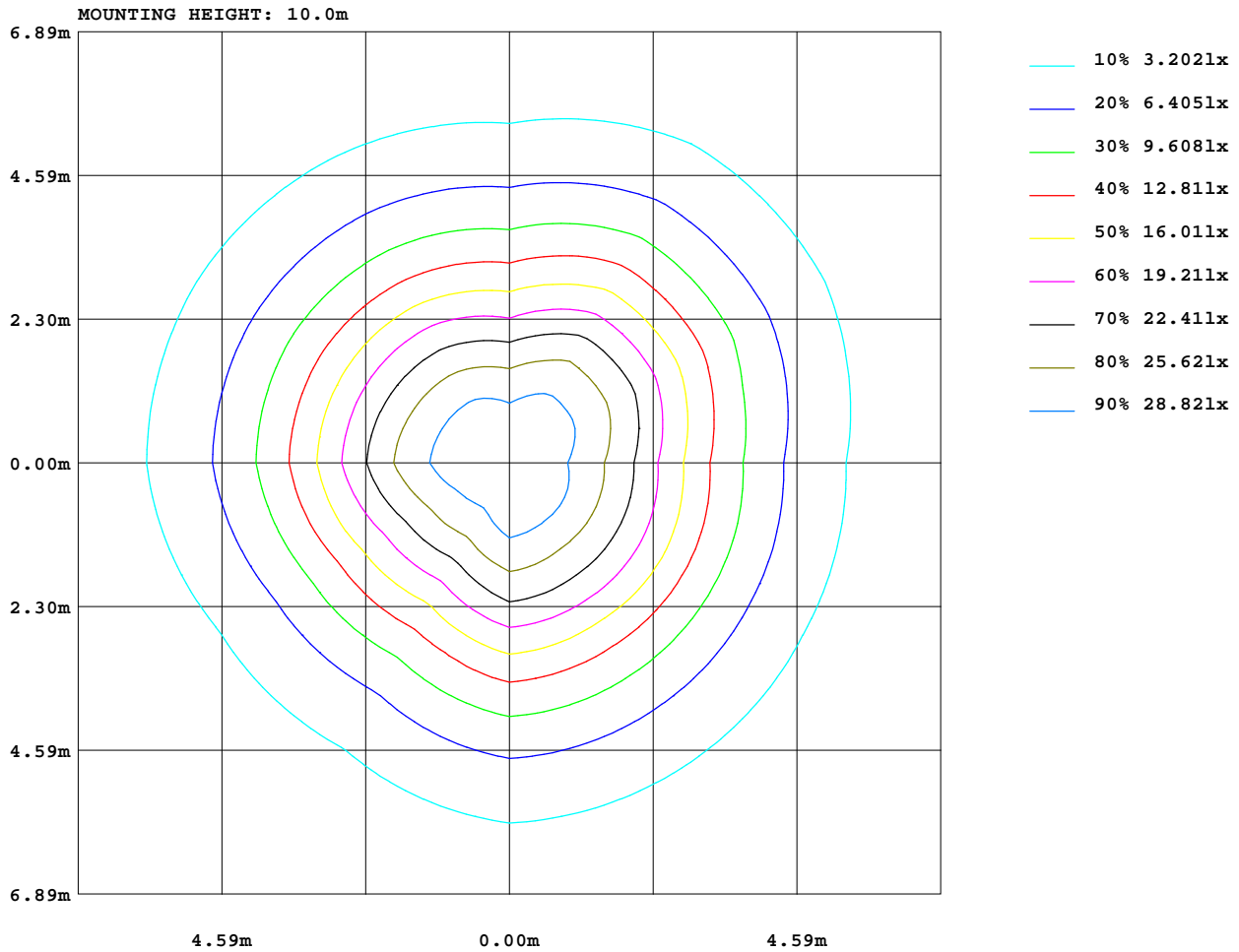
Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
Temperature:25.3DEG
Operators:
Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	45	40	35	30	25	20	15	10	5	0	5	10	15	20	25	30	35	40	45	
45	0.07	0.09	0.10	0.11	0.13	0.17	0.24	0.31	0.36	0.38	0.36	0.30	0.23	0.17	0.13	0.10	0.09	0.07	3.42	3.42
40	0.09	0.11	0.13	0.19	0.29	0.45	0.64	0.82	0.90	0.94	0.94	0.83	0.63	0.41	0.25	0.16	0.11	0.09	7.98	7.98
35	0.11	0.14	0.23	0.42	0.72	1.19	1.65	1.97	2.10	2.18	2.18	1.93	1.50	0.94	0.54	0.30	0.16	0.11	18.4	18.4
30	0.12	0.22	0.46	0.88	1.60	2.41	3.25	3.88	4.12	4.26	4.26	3.77	2.84	1.84	1.02	0.54	0.27	0.13	35.9	35.9
25	0.15	0.36	0.78	1.62	2.77	4.21	5.72	6.87	7.32	7.59	7.56	6.56	4.73	3.02	1.74	0.84	0.41	0.17	62.5	62.5
20	0.19	0.50	1.24	2.48	4.27	6.53	8.90	10.7	11.5	11.9	12.0	10.0	7.13	4.50	2.53	1.22	0.51	0.22	96.6	96.6
15	0.24	0.68	1.69	3.36	5.88	9.03	12.4	15.3	16.5	17.0	16.7	13.5	9.51	5.96	3.20	1.52	0.62	0.26	134	134
10	0.28	0.85	2.06	4.11	7.21	11.2	15.6	19.3	21.0	21.4	20.1	16.2	11.1	6.79	3.61	1.69	0.69	0.28	164	164
5	0.30	0.95	2.28	4.56	8.00	12.6	17.7	21.6	23.6	23.4	21.1	16.7	11.3	6.89	3.66	1.69	0.68	0.27	178	178
0	0.29	0.92	2.20	4.39	7.70	12.1	17.0	20.8	22.9	23.3	20.5	16.1	10.9	6.63	3.50	1.60	0.64	0.25	172	172
-5	0.24	0.77	1.86	3.64	6.35	9.95	13.9	17.4	20.4	21.2	18.7	14.7	10.0	6.03	3.17	1.44	0.56	0.22	151	151
-10	0.19	0.56	1.41	2.72	4.68	7.44	10.5	13.5	16.8	17.6	15.3	11.8	8.13	4.89	2.57	1.14	0.45	0.17	120	120
-15	0.14	0.37	0.95	1.87	3.25	5.17	7.32	9.74	12.4	12.9	11.0	8.61	5.94	3.56	1.85	0.78	0.31	0.13	86.4	86.4
-20	0.11	0.22	0.54	1.20	2.10	3.27	4.63	6.49	8.18	8.49	7.34	5.67	3.88	2.33	1.16	0.48	0.19	0.10	56.4	56.4
-25	0.09	0.14	0.31	0.66	1.20	1.87	2.75	3.84	4.77	4.93	4.26	3.29	2.25	1.32	0.65	0.29	0.12	0.08	32.8	32.8
-30	0.08	0.11	0.17	0.34	0.61	0.94	1.46	2.03	2.50	2.56	2.21	1.70	1.12	0.67	0.36	0.17	0.09	0.06	17.2	17.2
-35	0.06	0.09	0.12	0.18	0.29	0.46	0.68	0.94	1.15	1.18	1.00	0.75	0.55	0.35	0.20	0.12	0.08	0.06	8.28	8.28
-40	0.05	0.08	0.11	0.13	0.17	0.21	0.28	0.35	0.41	0.42	0.38	0.31	0.24	0.18	0.13	0.10	0.08	0.05	3.67	3.67
-45	0.05	0.08	0.11	0.13	0.17	0.21	0.28	0.35	0.41	0.42	0.38	0.31	0.24	0.18	0.13	0.10	0.08	0.05	3.67	3.67
	-45	-40	-35	-30	-25	-20	-15	-10	HORIZONTAL(DEG)	10	15	20	25	30	35	40	45			
Φ t	2.79	7.15	16.6	32.9	57.2	89.3	125	156	177	182	166	133	92.2	56.5	30.3	14.2	6.07	2.71	1384	
Φ a	2.79	7.15	16.6	32.9	57.2	89.3	125	156	177	182	166	133	92.2	56.5	30.3	14.2	6.07	2.71		1384

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

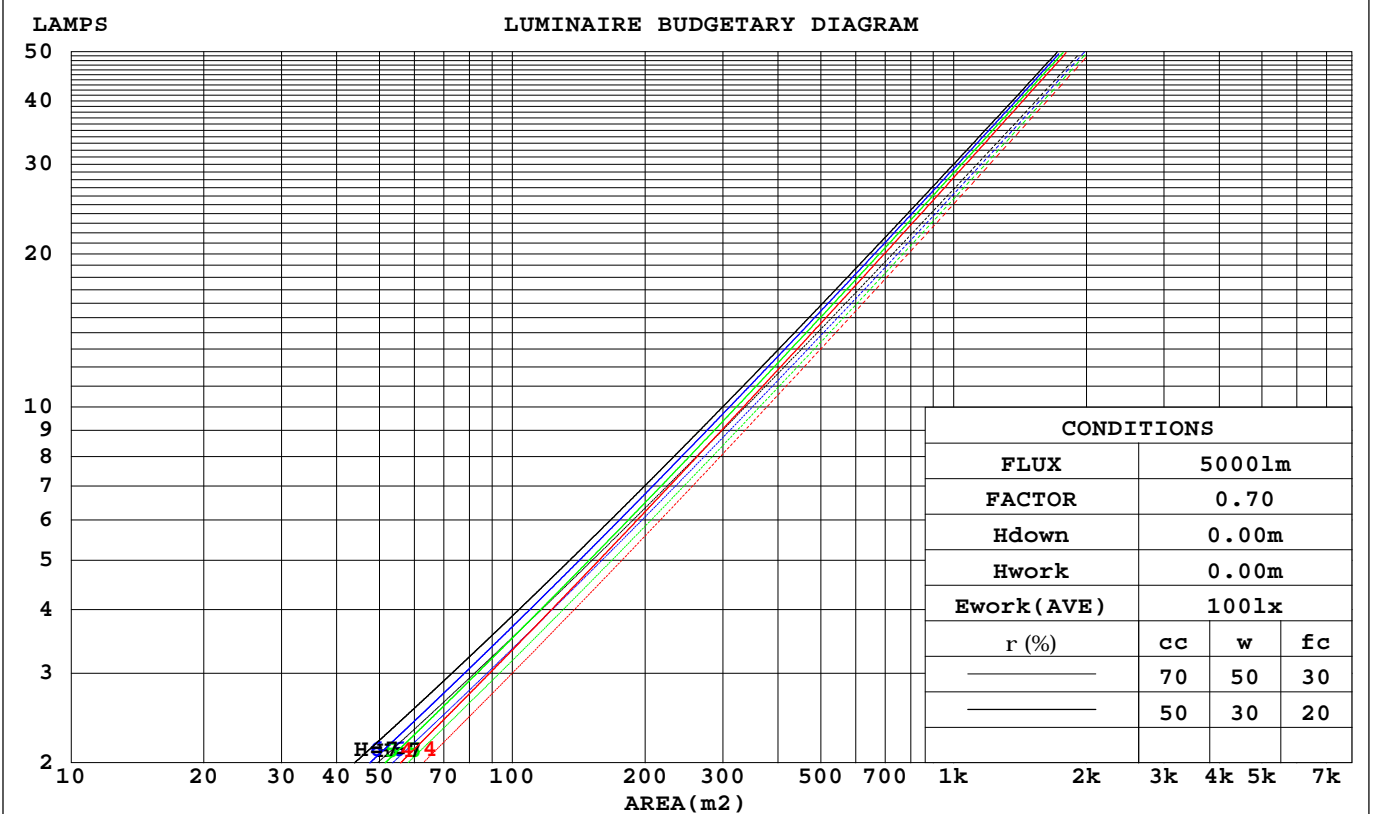
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	
SPECIFICATION:		SERIAL No.:	
CCT(K): 4000		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
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	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	.00	.99	.98	.97	.96	.94
2.0	1.05	1.01	.98	1.03	.00	.97	.00	.97	.95	.97	.95	.93	.94	.92	.91	.89
3.0	.99	.95	.91	.98	.94	.91	.95	.92	.89	.93	.90	.88	.90	.88	.86	.85
4.0	.94	.89	.86	.93	.88	.85	.91	.87	.84	.89	.85	.83	.87	.84	.82	.80
5.0	.89	.84	.81	.88	.84	.80	.87	.82	.79	.85	.81	.79	.83	.80	.78	.77
6.0	.85	.80	.76	.84	.79	.76	.83	.79	.75	.81	.78	.75	.80	.77	.74	.73
7.0	.81	.76	.72	.81	.76	.72	.79	.75	.72	.78	.74	.71	.77	.74	.71	.70
8.0	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.74	.71	.68	.67
9.0	.74	.69	.66	.74	.69	.66	.73	.69	.66	.72	.68	.65	.71	.68	.65	.64
10.0	.71	.66	.63	.71	.66	.63	.70	.66	.63	.69	.65	.63	.69	.65	.62	.61



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	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	.160	.091	.029	.153	.087	.028	.140	.080	.026	.128	.074	.024	.117	.068	.022	
2.0	.150	.082	.025	.145	.080	.025	.134	.074	.023	.124	.069	.022	.114	.065	.020	
3.0	.142	.075	.023	.137	.073	.022	.127	.069	.021	.119	.065	.020	.111	.061	.019	
4.0	.134	.070	.020	.130	.068	.020	.122	.065	.019	.114	.061	.019	.107	.058	.018	
5.0	.127	.065	.019	.123	.063	.018	.116	.061	.018	.110	.058	.017	.104	.056	.017	
6.0	.121	.061	.017	.118	.059	.017	.112	.057	.017	.106	.055	.016	.101	.053	.016	
7.0	.115	.057	.016	.112	.056	.016	.107	.054	.016	.102	.052	.015	.097	.051	.015	
8.0	.110	.054	.015	.108	.053	.015	.103	.051	.015	.098	.050	.014	.094	.048	.014	
9.0	.106	.051	.014	.103	.050	.014	.099	.049	.014	.095	.048	.014	.091	.046	.013	
10.0	.101	.049	.013	.099	.048	.013	.095	.047	.013	.092	.046	.013	.088	.044	.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	.198	.198	.198	.170	.170	.170	.116	.116	.116	.066	.066	.066	.021	.021	.021	
1.0	.178	.165	.154	.152	.142	.133	.104	.098	.092	.060	.057	.053	.019	.018	.017	
2.0	.161	.141	.123	.138	.121	.106	.095	.084	.074	.055	.049	.044	.018	.016	.014	
3.0	.148	.121	.100	.127	.105	.087	.087	.073	.061	.050	.043	.036	.016	.014	.012	
4.0	.136	.106	.084	.117	.092	.073	.081	.064	.051	.047	.038	.030	.015	.012	.010	
5.0	.127	.095	.071	.109	.082	.061	.075	.057	.043	.044	.034	.026	.014	.011	.008	
6.0	.119	.085	.061	.102	.074	.053	.071	.052	.037	.041	.030	.022	.013	.010	.007	
7.0	.112	.077	.053	.096	.067	.046	.067	.047	.033	.039	.028	.019	.012	.009	.006	
8.0	.106	.071	.046	.091	.061	.041	.063	.043	.029	.037	.025	.017	.012	.008	.006	
9.0	.101	.065	.041	.087	.057	.036	.060	.040	.026	.035	.024	.015	.011	.008	.005	
10.0	.096	.061	.037	.083	.053	.033	.057	.037	.023	.033	.022	.014	.011	.007	.005	

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK						TYPE:			WEIGHT:	
SPECIFICATION:			CCT(K): 4000			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	12.8	13.6	13.0	13.8	13.9	14.7	15.5	15.0	15.7	15.9
3H	12.7	13.5	13.0	13.7	13.9	14.6	15.3	14.9	15.6	15.8
4H	12.7	13.4	13.0	13.7	13.9	14.5	15.2	14.8	15.5	15.7
6H	12.8	13.5	13.1	13.7	14.0	14.5	15.1	14.8	15.4	15.6
8H	12.9	13.5	13.2	13.8	14.1	14.4	15.1	14.7	15.3	15.6
12H	13.1	13.7	13.4	14.0	14.3	14.4	15.0	14.7	15.3	15.6
4H 2H	12.6	13.3	12.9	13.6	13.8	14.5	15.2	14.8	15.5	15.7
3H	12.6	13.2	12.9	13.5	13.7	14.4	15.0	14.8	15.3	15.6
4H	12.6	13.1	12.9	13.4	13.8	14.4	14.9	14.8	15.3	15.6
6H	12.7	13.2	13.1	13.5	13.9	14.4	14.8	14.7	15.2	15.6
8H	12.8	13.3	13.3	13.7	14.1	14.3	14.8	14.8	15.2	15.6
12H	13.1	13.6	13.6	13.9	14.3	14.3	14.8	14.8	15.1	15.5
8H 4H	12.5	12.9	12.9	13.3	13.7	14.3	14.7	14.7	15.1	15.5
6H	12.6	13.0	13.0	13.4	13.8	14.3	14.7	14.8	15.1	15.6
8H	12.8	13.1	13.3	13.6	14.0	14.4	14.7	14.9	15.2	15.6
12H	13.2	13.5	13.7	13.9	14.4	14.5	14.8	15.0	15.2	15.7
12H 4H	12.5	12.9	12.9	13.3	13.7	14.2	14.6	14.7	15.0	15.4
6H	12.6	12.9	13.1	13.4	13.8	14.3	14.6	14.8	15.1	15.5
8H	12.8	13.1	13.3	13.5	14.0	14.4	14.7	14.9	15.2	15.7
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 2.7					+ 4.0 / - 4.6				
1.5H	+ 4.2 / - 2.7					+ 6.4 / - 4.4				
2.0H	+ 2.7 / - 1.9					+ 1.7 / - 2.0				

CIE Pub.117 Corrected 1384 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.1)

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	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	89	83	79	88	83	79	87	82	79	75
0.80	96	90	87	95	90	87	94	89	86	83
1.00	100	95	91	99	94	91	97	94	90	86
1.25	104	99	95	103	98	95	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	102	99	94
2.50	110	107	104	109	105	103	105	103	101	95
3.00	112	109	106	110	107	105	106	104	102	96
4.00	114	111	109	112	109	107	108	106	105	97
5.00	115	113	111	113	111	109	109	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

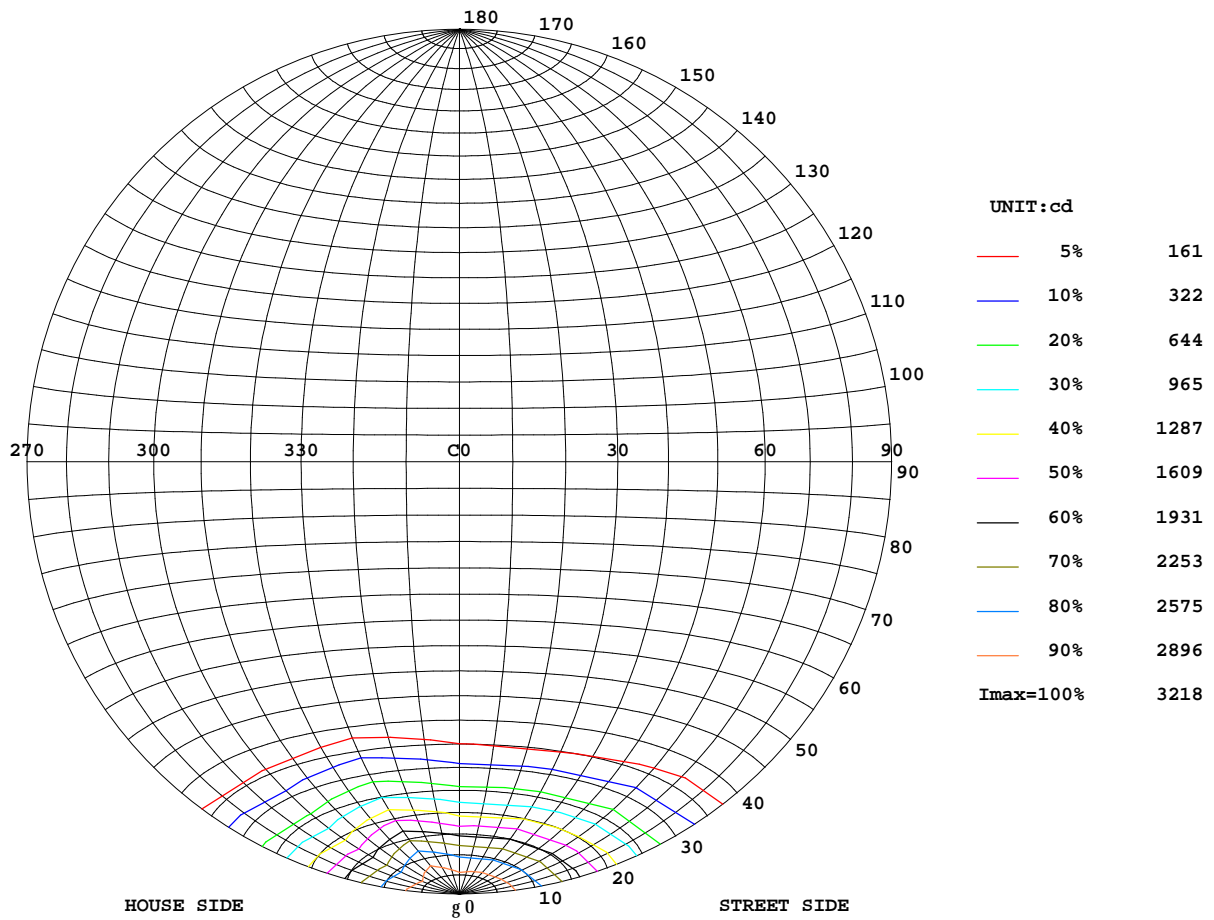
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

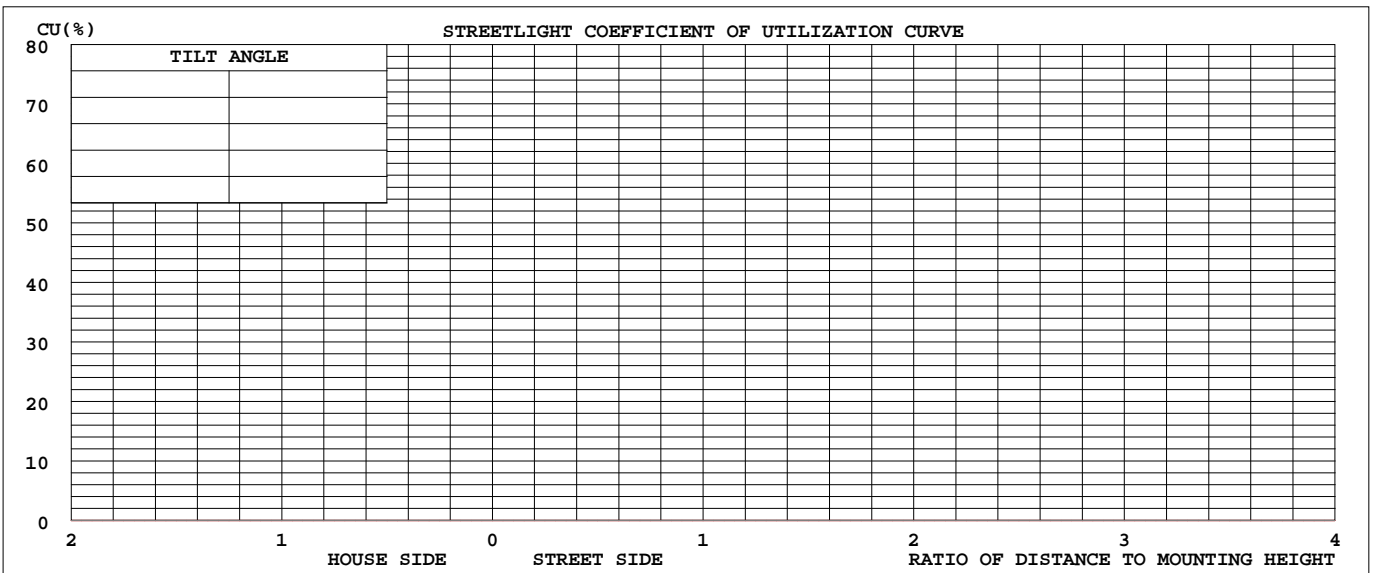
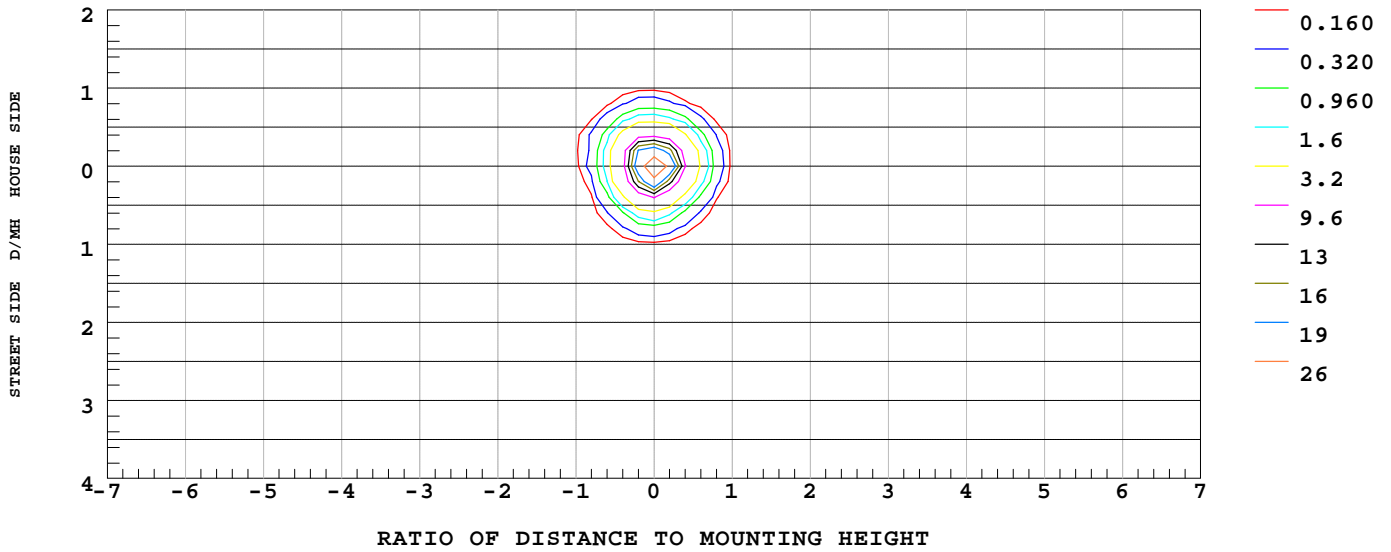
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.900 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: JXL-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 32.03 lx



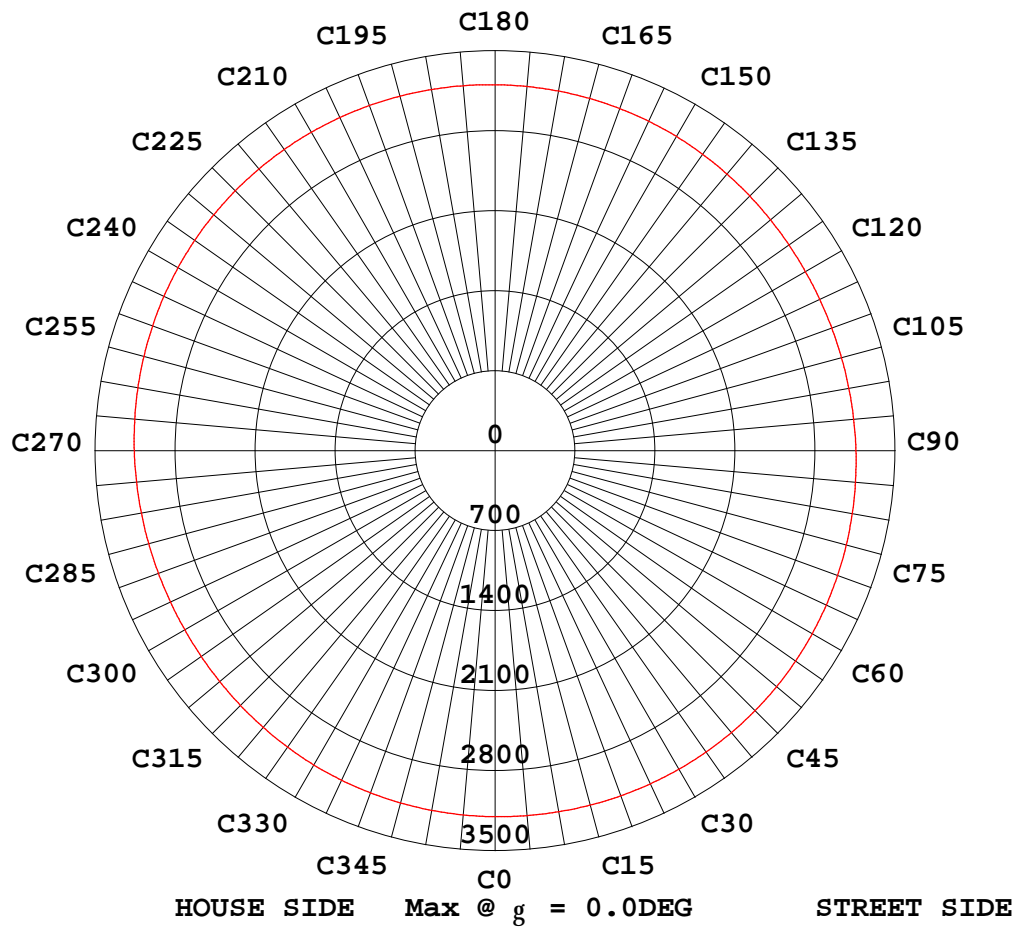
Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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-COB04-R15W-5CCT-4RR-SM-BK		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4000	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)											
	0	30	60	90	120	150	180	210	240	270	300	330
0.0	3203	3218	3205	3158	3136	3175	3203	3218	3205	3158	3136	3175
5.0	2947	3006	3020	3053	2883	2943	3103	3091	3070	2959	3071	3056
10.0	2520	2536	2576	2662	2345	2451	2742	2671	2627	2488	2757	2720
15.0	1863	1930	1972	2088	1704	1815	2130	2066	1980	1825	2201	2155
20.0	1218	1273	1298	1441	1115	1188	1450	1407	1338	1212	1532	1491
25.0	713	745	810	890	651	686	903	881	820	715	948	922
30.0	362	382	433	484	348	366	498	491	444	382	525	505
35.0	162	152	201	238	161	193	241	243	208	186	261	250
40.0	70.7	54.4	86.4	92.4	70.4	63.4	86.5	102	70.5	80.5	103	102
45.0	29.2	19.5	33.7	29.5	28.8	22.2	29.3	37.0	23.3	28.0	32.5	45.8
50.0	17.8	11.9	20.2	14.8	20.2	15.0	16.0	21.2	14.4	16.9	14.8	21.2
55.0	13.6	9.12	16.6	11.5	15.2	9.95	11.7	16.4	10.4	9.05	10.6	16.0
60.0	8.45	4.49	11.3	6.40	8.63	4.35	5.49	10.1	4.69	6.54	5.67	10.8
65.0	5.81	2.26	7.69	3.20	5.84	2.12	3.41	7.27	2.99	4.49	3.20	7.34
70.0	4.07	0.70	4.28	0.73	3.93	0.70	1.04	4.38	0.84	4.03	1.14	4.76
75.0	3.65	0.70	3.68	0.70	3.55	0.70	1.04	3.89	0.87	3.68	0.84	3.93
80.0	3.30	0.70	3.34	0.70	3.23	0.70	1.07	3.58	0.91	3.41	0.87	3.62
85.0	3.06	0.73	3.06	0.70	2.95	0.70	1.11	3.34	0.94	3.20	0.87	3.34
90.0	2.85	0.73	2.85	0.73	2.74	0.73	1.14	3.09	0.94	2.99	0.91	3.09
95.0	2.68	0.77	2.68	0.73	2.57	0.73	1.18	2.92	0.94	2.81	0.94	2.92
100.0	2.54	0.80	2.50	0.77	2.43	0.77	1.18	2.71	0.94	2.64	0.94	2.74
105.0	2.36	0.84	2.36	0.77	2.29	0.80	1.21	2.57	0.94	2.50	0.94	2.57
110.0	2.26	0.87	2.26	0.80	2.19	0.84	1.18	2.43	0.97	2.36	0.94	2.43
115.0	2.19	0.91	2.15	0.84	2.08	0.87	1.21	2.29	0.97	2.22	0.94	2.26
120.0	2.12	0.94	2.08	0.91	2.01	0.94	1.21	2.19	0.97	2.12	0.94	2.15
125.0	2.08	1.07	2.01	0.97	2.01	1.04	1.28	2.08	1.04	2.05	0.97	2.08
130.0	2.15	1.25	2.08	1.14	2.08	1.21	1.39	2.08	1.18	2.08	1.07	2.08
135.0	2.33	1.56	2.22	1.39	2.26	1.49	1.63	2.19	1.39	2.22	1.28	2.15
140.0	2.68	2.01	2.54	1.77	2.61	1.98	2.01	2.43	1.77	2.50	1.63	2.40
145.0	3.23	2.68	3.06	2.36	3.16	2.61	2.57	2.85	2.36	2.99	2.12	2.81
150.0	3.96	3.48	3.72	3.09	3.86	3.37	3.34	3.48	3.09	3.65	2.81	3.41
155.0	4.83	4.42	4.56	3.96	4.66	4.28	4.24	4.28	3.96	4.49	3.65	4.21
160.0	5.74	5.36	5.43	4.87	5.46	5.22	5.25	5.18	4.90	5.39	4.56	5.04
165.0	6.61	6.23	6.26	5.74	6.23	6.02	6.23	6.09	5.81	6.26	5.46	5.88
170.0	7.34	6.92	6.96	6.43	6.82	6.68	7.13	6.89	6.61	6.99	6.23	6.61
175.0	7.86	7.34	7.44	7.03	6.82	7.17	7.76	7.48	7.17	7.51	6.82	7.17
180.0	8.07	7.76	7.37	7.58	7.10	7.48	8.07	7.76	7.37	7.58	7.10	7.48

Test System:HOPOO HPG1800
 Temperature:25.3DEG
 Operators:
 Test Date:2024/02/02

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