

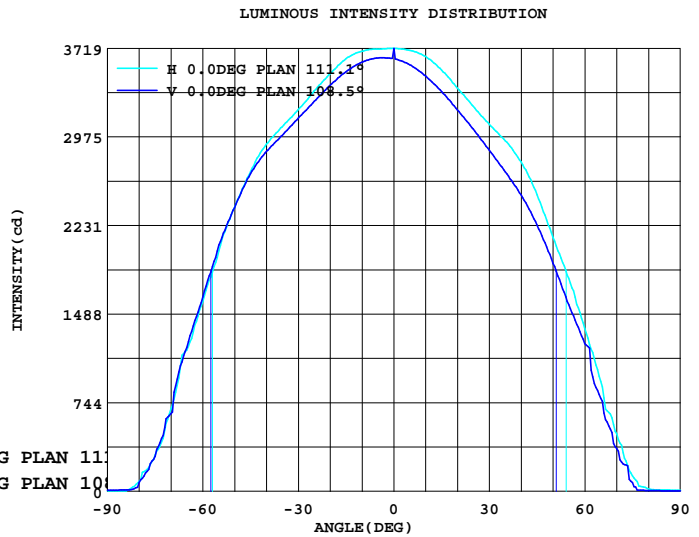
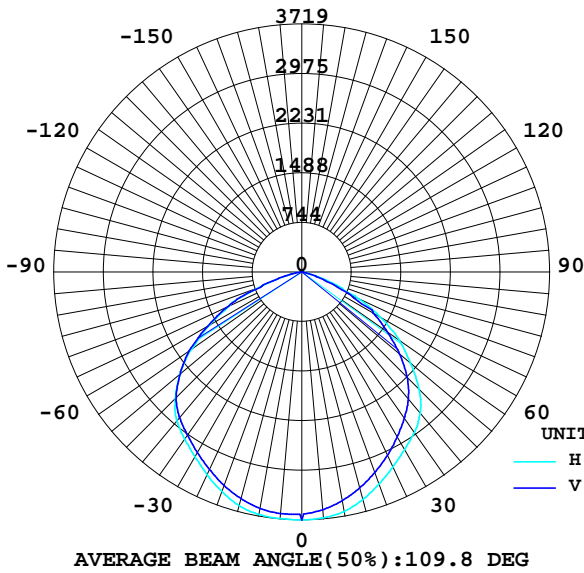
LED FLOOD LIHGT

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	80	Imax(cd):	3719	Voltage(V)	218.1
RATED VOLTAGE(V):	218	AVAILABILITY(%):	97.2	Current(A)	0.376
NOMINAL FLUX(lm):	9693	Avai. FLUX(lm):	9423	Power(W)	80.44
TEST FLUX(lm):	9693	EFFICIENCY(%):	100.0	Power Factor(PF)	0.980
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	9693	EFFICIENCY(lm/W)	120.5
Effictive Flux(lm) :	9423.4	$\theta$ @50%(H, V):	111.1,108.6DEG	EEL:	0.116



Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:

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Test System:HOP00 HPG1600  
Temperature:25.3DEG  
Operators:  
Test Date:2020年07月28日

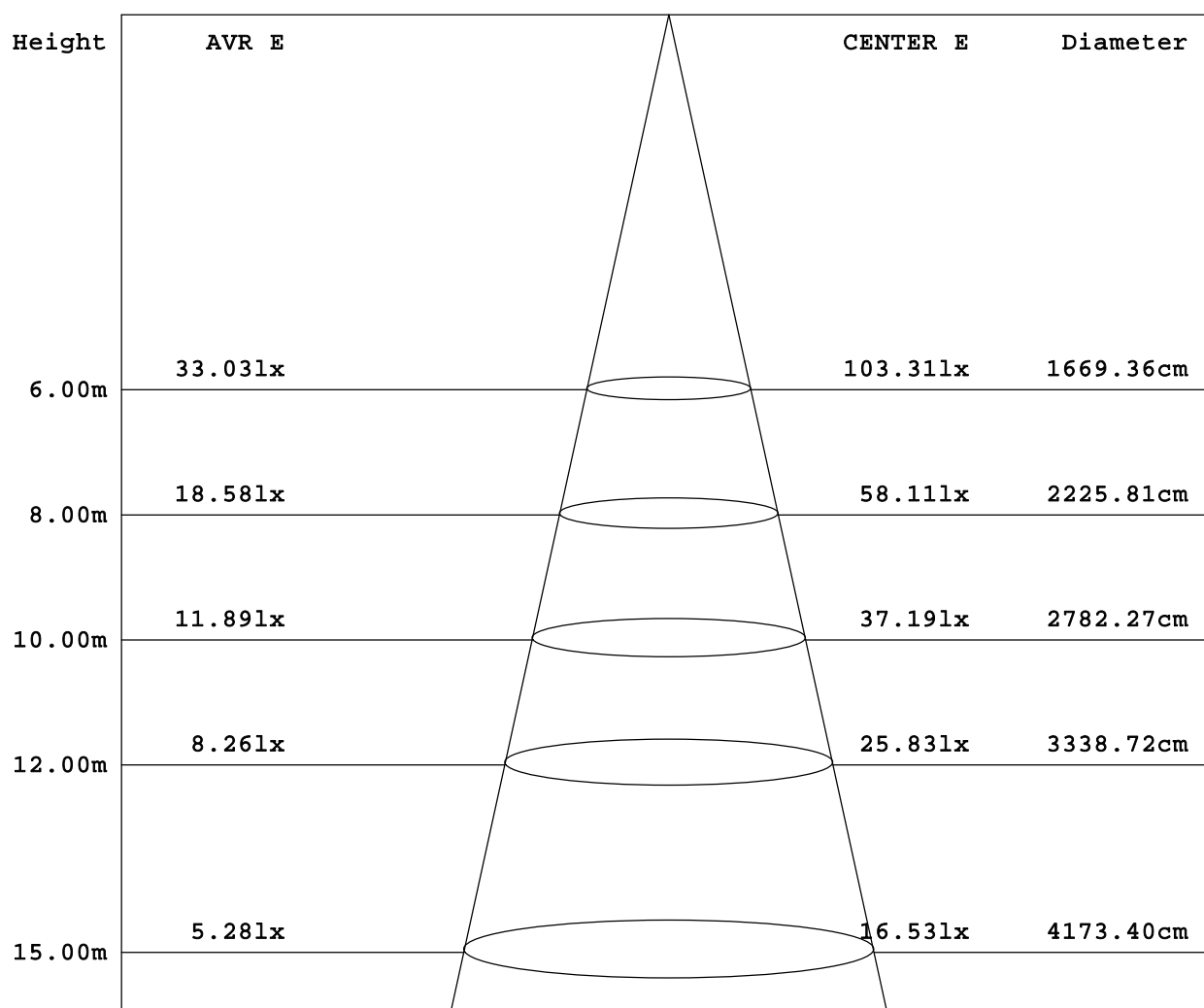
Test Set: 8.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:5.200 m  
Remarks:

LED FLOOD LIHGT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:



Angle:108.6deg

Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.02	0.08	0.09	0.13	0.25	0.21	0.22	0.31	0.22	0.22	0.31	0.21	0.20	0.23	0.13	0.09	0.08	0.03	3.02	0.00	
90	0.02	0.08	0.09	0.13	0.25	0.21	0.22	0.31	0.22	0.22	0.31	0.21	0.20	0.23	0.13	0.09	0.08	0.03	3.02	0.00	
80	0.02	0.09	0.21	0.85	1.91	2.98	3.63	4.01	3.85	3.49	3.00	2.22	1.23	0.53	0.18	0.11	0.08	0.03	28.4	0.32	
70	0.02	0.19	1.85	5.64	11.0	16.4	20.8	23.5	24.3	23.4	21.0	16.4	11.5	6.30	2.13	0.27	0.09	0.03	185	167	
60	0.02	0.75	4.78	12.8	23.5	33.2	40.4	46.1	48.2	47.2	43.4	36.3	27.5	17.1	7.31	1.72	0.12	0.03	391	384	
50	0.02	1.46	7.94	20.2	33.5	46.8	56.6	64.3	67.8	66.7	61.3	52.3	41.1	27.3	13.8	4.02	0.31	0.03	566	562	
40	0.03	2.11	10.9	25.5	41.4	56.3	67.8	76.8	81.5	80.3	73.6	63.5	51.0	34.9	19.4	6.38	0.66	0.03	693	690	
30	0.05	2.57	13.2	29.8	48.2	63.8	77.0	87.3	92.3	91.0	83.4	71.9	58.3	41.4	23.8	8.62	1.04	0.03	794	792	
	0.07	2.86	14.7	33.0	53.6	70.5	85.1	97.0	102	100	92.2	79.1	64.8	46.8	27.5	10.5	1.37	0.03	882	880	
	0.07	2.91	15.4	34.9	56.7	75.0	91.0	104	109	107	98.9	85.5	70.5	51.6	30.2	11.7	1.56	0.03	947	945	
	0.07	2.81	15.3	35.1	56.9	75.1	90.9	104	109	110	103	88.5	72.6	53.0	30.9	12.0	1.58	0.03	962	960	
	0.06	2.56	14.5	33.6	54.4	71.9	87.3	99.9	106	106	98.7	85.2	69.8	50.6	29.4	11.4	1.42	0.03	924	921	
	0.05	2.10	12.7	30.9	50.6	67.3	81.2	92.9	98.6	98.4	91.4	78.9	64.7	46.6	26.8	9.84	1.12	0.03	855	852	
-30	0.04	1.53	9.93	27.3	45.6	61.4	74.2	84.6	90.1	89.6	83.0	71.8	58.4	41.4	23.4	7.40	0.77	0.03	771	768	
-40	0.02	0.99	7.07	22.1	39.1	54.4	66.2	74.9	79.7	79.1	73.0	63.2	50.4	34.5	18.2	5.09	0.39	0.03	669	665	
-50	0.01	0.50	4.69	15.6	29.3	42.3	51.9	57.8	61.4	60.6	55.4	48.0	37.0	24.6	11.7	2.95	0.15	0.02	505	500	
-60	0.01	0.22	2.63	9.05	18.3	26.5	32.4	34.8	36.4	35.3	31.6	27.2	21.0	13.1	5.58	1.00	0.06	0.02	296	288	
-70	0.01	0.06	0.78	3.19	6.63	10.0	11.3	10.0	10.2	9.67	8.28	7.87	5.75	2.92	0.90	0.18	0.06	0.02	88.0	48.5	
-80	0.01	0.04	0.14	0.25	0.38	0.65	0.72	0.45	0.45	0.38	0.24	0.30	0.26	0.15	0.17	0.13	0.06	0.02	4.78	0.00	
-90	0.01	0.04	0.14	0.25	0.38	0.65	0.72	0.45	0.45	0.38	0.24	0.30	0.26	0.15	0.17	0.13	0.06	0.02	4.78	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	0.62	23.8	137	340	572	776	940	1063	1122	1110	1022	879	707	494	272	93.6	10.9	0.51	9693		
Φ a	0.00	10.7	127	333	565	768	932	1055	1114	1102	1014	871	699	486	264	82.1	2.12	0.00		9423	

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

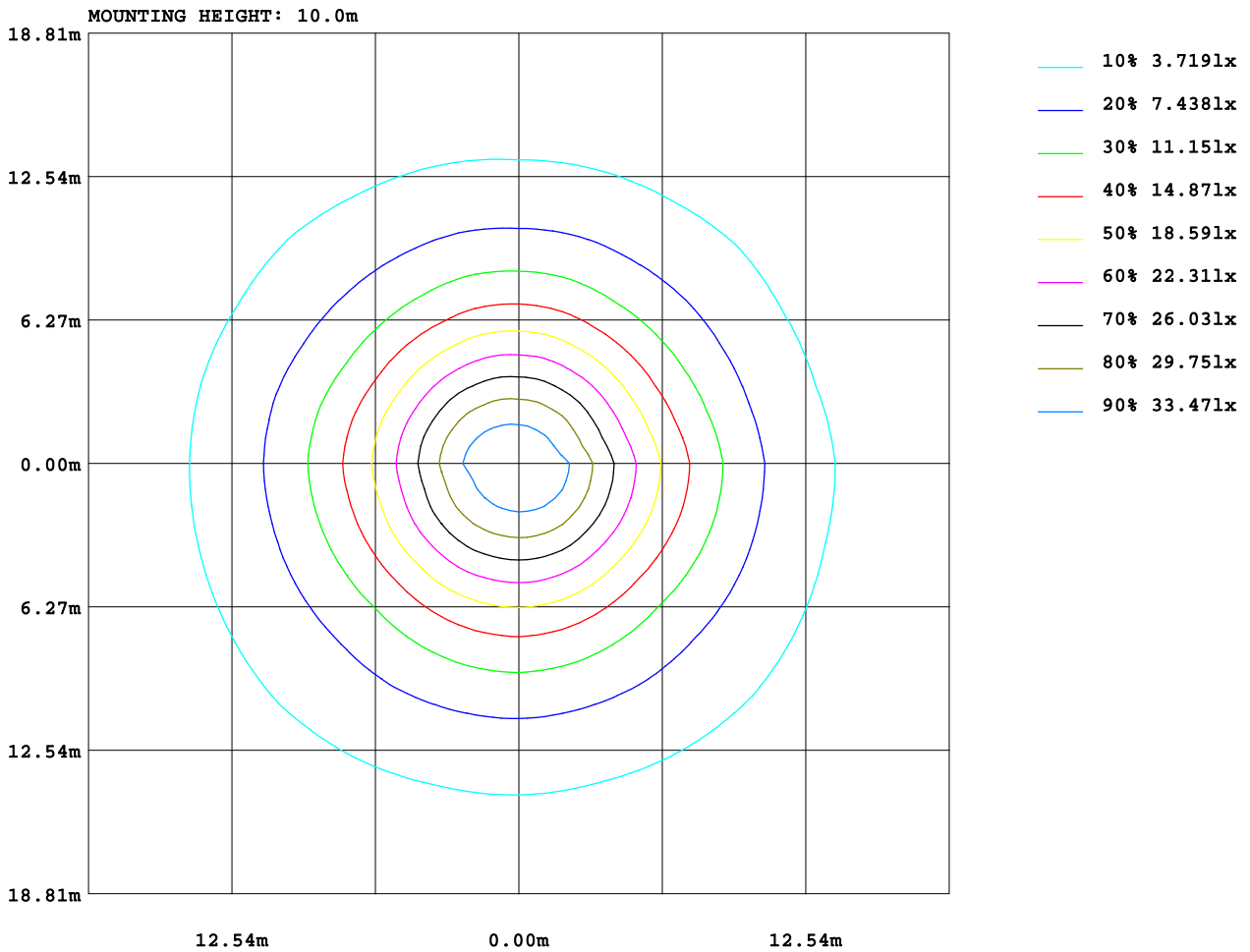
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

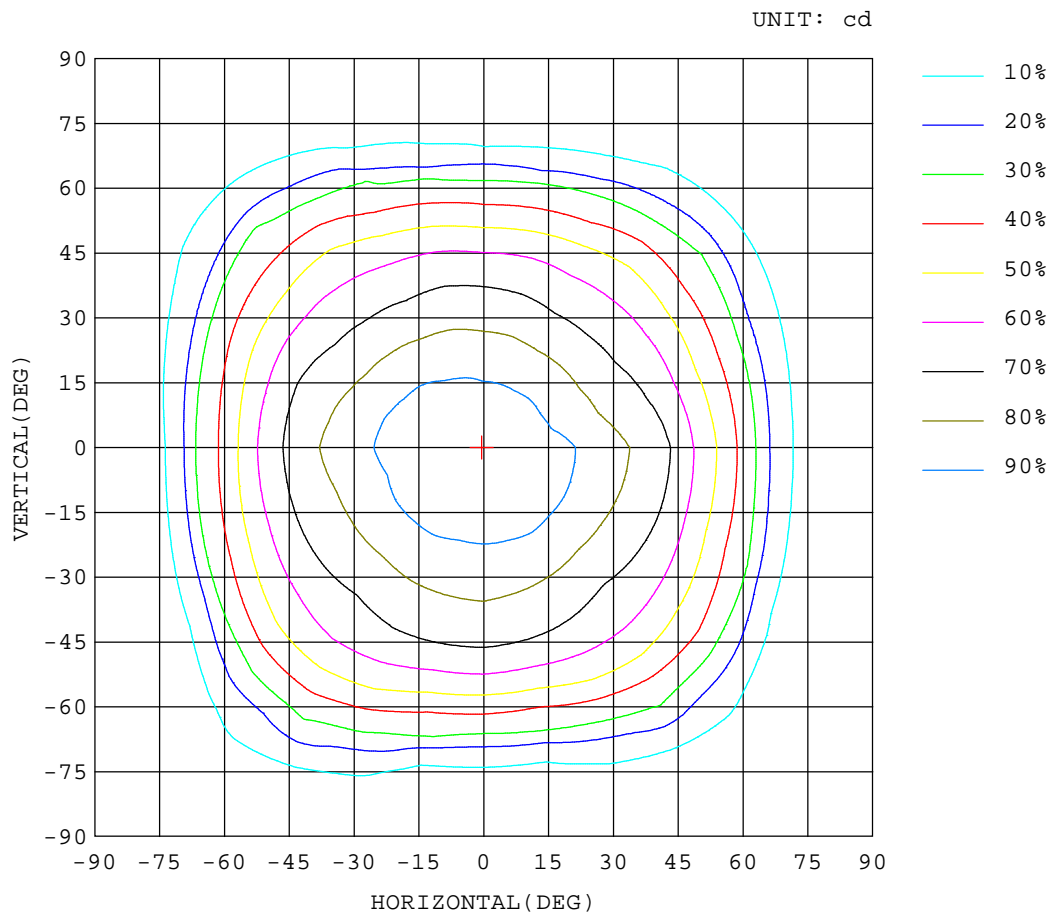
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

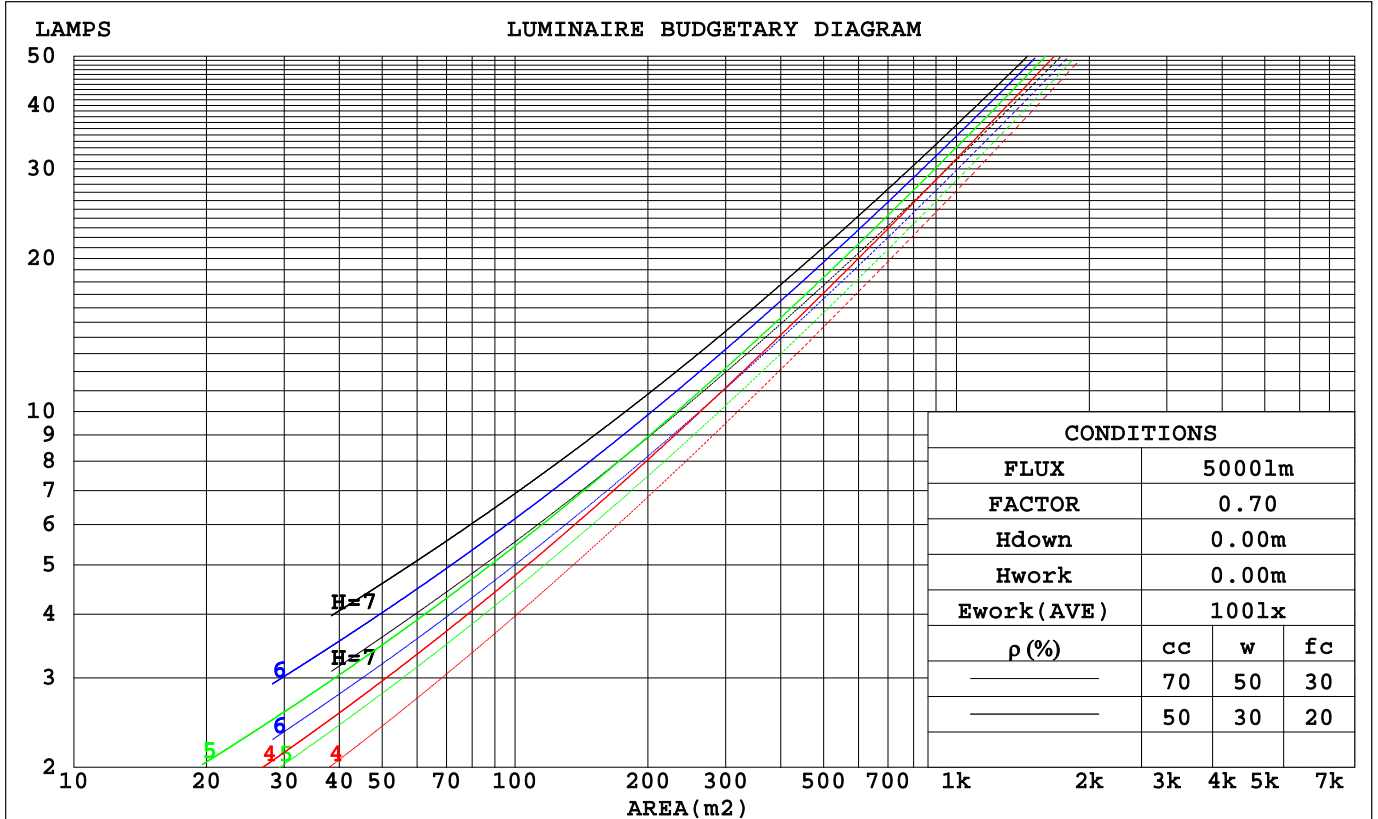
LED FLOOD LIHGT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME:				TYPE:LED FLOOD LIHGT				WEIGHT:			
SPECIFICATION:80W				DIMENSION:				SERIAL No.:			

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.99
1.0	1.05	1.02	.98	1.03	.90	.97	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.80	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.63	.61
4.0	.73	.64	.58	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.54	.49	.59	.53	.48	.58	.52	.48	.46
6.0	.59	.50	.44	.58	.49	.43	.56	.48	.43	.54	.47	.42	.52	.46	.42	.40
7.0	.53	.44	.39	.52	.44	.38	.51	.43	.38	.49	.42	.38	.48	.42	.37	.35
8.0	.48	.40	.34	.48	.40	.34	.46	.39	.34	.45	.38	.34	.44	.38	.33	.31
9.0	.44	.36	.31	.44	.36	.31	.43	.35	.31	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.37	.32	.27	.26



Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIGHT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIGHT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	3701	3662	3638	3610	3713	3638	3581	3564	0- 5	86.89	86.89
10.0	3650	3625	3603	3593	3695	3579	3485	3487	5- 10	257.7	344.6
15.0	3535	3539	3521	3537	3631	3481	3356	3359	10- 15	418.8	763.5
20.0	3384	3404	3408	3440	3504	3349	3201	3187	15- 20	563.1	1327
25.0	3233	3234	3274	3293	3362	3179	3041	3004	20- 25	685.8	2012
30.0	3081	3041	3132	3118	3204	2980	2863	2802	25- 30	785.4	2798
35.0	2941	2849	2988	2933	3061	2774	2679	2595	30- 35	862.7	3661
40.0	2767	2648	2855	2742	2916	2569	2491	2396	35- 40	918.8	4579
45.0	2489	2465	2667	2560	2683	2363	2235	2192	40- 45	948.7	5528
50.0	2129	2281	2380	2399	2383	2148	1913	1951	45- 50	938.3	6467
55.0	1788	2021	2067	2187	2019	1887	1568	1654	50- 55	882.0	7349
60.0	1366	1649	1632	1868	1594	1536	1240	1273	55- 60	781.0	8130
65.0	921.7	1244	1208	1494	1187	1134	780.9	903.9	60- 65	636.4	8766
70.0	482.4	853.5	651.3	1120	690.3	671.1	358.2	476.1	65- 70	445.2	9211
75.0	130.5	405.7	295.0	680.5	304.6	312.2	72.71	137.8	70- 75	241.5	9453
80.0	19.41	83.44	73.62	246.3	84.95	29.68	7.273	15.30	75- 80	90.15	9543
85.0	11.27	5.867	11.54	15.98	4.704	13.38	5.083	12.11	80- 85	16.69	9560
90.0	9.599	5.435	9.382	4.921	4.218	10.49	4.028	10.22	85- 90	4.544	9564
95.0	10.30	6.759	8.869	5.110	4.677	9.977	5.624	10.62	90- 95	4.131	9568
100.0	12.22	9.220	9.977	7.165	6.543	11.24	7.976	12.30	95-100	4.712	9573
105.0	15.14	12.41	12.16	10.05	9.247	13.43	11.00	14.60	100-105	5.819	9579
110.0	18.30	15.43	15.08	13.03	12.33	15.62	14.16	16.95	105-110	7.106	9586
115.0	21.33	18.19	17.92	15.89	15.35	17.73	17.17	18.90	110-115	8.255	9594
120.0	24.25	20.49	20.76	18.49	18.27	19.79	20.14	20.76	115-120	9.170	9604
125.0	26.63	22.71	23.38	20.76	20.98	21.84	22.82	22.71	120-125	9.838	9613
130.0	28.68	25.03	25.85	23.01	23.47	23.76	24.84	24.71	125-130	10.23	9624
135.0	30.63	27.14	28.09	25.22	25.82	25.71	26.68	26.63	130-135	10.35	9634
140.0	32.31	29.09	30.01	27.39	27.95	27.66	28.52	28.52	135-140	10.22	9644
145.0	33.98	30.98	31.93	29.47	30.04	29.44	30.17	30.09	140-145	9.857	9654
150.0	35.53	32.74	33.77	31.39	32.15	31.20	31.77	31.71	145-150	9.255	9663
155.0	36.66	34.50	35.44	33.28	33.88	32.88	33.15	33.25	150-155	8.401	9672
160.0	37.85	36.20	37.07	35.34	35.82	34.47	34.77	34.53	155-160	7.318	9679
165.0	39.39	38.01	38.96	37.55	37.96	35.96	36.80	35.90	160-165	6.034	9685
170.0	41.12	39.58	40.88	39.55	40.31	37.63	39.01	37.63	165-170	4.558	9690
175.0	42.91	40.66	42.20	40.99	42.96	40.07	41.29	40.26	170-175	2.875	9692
180.0	43.72	41.23	42.75	41.56	43.91	41.45	42.64	41.77	175-180	0.994	9693
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

WEC AND CCEC

Report number:

MANUFACTURER:	Address:					
NAME:	TYPE:LED FLOOD LIHGT			WEIGHT:		
SPECIFICATION:80W	DIMENSION:			SERIAL No.:		

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.273	.155	.049	.265	.151	.048	.252	.144	.046	.239	.138	.044	.227	.132	.042	
2.0	.266	.146	.045	.260	.143	.044	.248	.138	.043	.237	.133	.042	.226	.128	.040	
3.0	.252	.134	.040	.246	.132	.040	.235	.128	.039	.225	.124	.038	.216	.120	.037	
4.0	.236	.123	.036	.231	.121	.036	.221	.117	.035	.212	.114	.034	.204	.111	.034	
5.0	.220	.112	.033	.216	.111	.032	.207	.108	.032	.199	.105	.031	.192	.103	.031	
6.0	.206	.103	.030	.202	.102	.029	.194	.100	.029	.187	.097	.029	.180	.095	.028	
7.0	.193	.095	.027	.189	.094	.027	.182	.092	.027	.176	.090	.026	.170	.088	.026	
8.0	.181	.088	.025	.178	.087	.025	.171	.086	.024	.166	.084	.024	.160	.082	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.156	.078	.022	.151	.077	.022	
10.0	.160	.077	.021	.158	.076	.021	.153	.075	.021	.148	.073	.021	.143	.072	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.201	.201	.201	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.188	.167	.148	.161	.143	.127	.110	.098	.088	.063	.057	.051	.020	.018	.017	
2.0	.179	.142	.111	.153	.123	.096	.105	.085	.067	.061	.049	.039	.019	.016	.013	
3.0	.171	.125	.087	.147	.107	.076	.101	.075	.053	.058	.044	.031	.019	.014	.010	
4.0	.164	.111	.071	.141	.096	.061	.097	.067	.043	.056	.039	.026	.018	.013	.008	
5.0	.157	.101	.059	.135	.087	.051	.093	.061	.036	.054	.036	.022	.017	.012	.007	
6.0	.150	.092	.051	.129	.080	.044	.089	.056	.031	.052	.033	.019	.017	.011	.006	
7.0	.144	.085	.045	.124	.074	.039	.085	.052	.027	.050	.031	.016	.016	.010	.005	
8.0	.137	.080	.040	.118	.069	.035	.082	.048	.025	.048	.029	.015	.015	.009	.005	
9.0	.132	.075	.036	.113	.065	.032	.079	.046	.022	.046	.027	.013	.015	.009	.004	
10.0	.126	.070	.033	.109	.061	.029	.075	.043	.021	.044	.025	.012	.014	.008	.004	

Test System:HOPPO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

Uncorrected UGR Table

Report number:

MANUFACTURER:						Address:				
NAME:						TYPE:LED FLOOD LIHGT			WEIGHT:	
SPECIFICATION:80W						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	24.2	25.6	24.5	25.9	26.1	24.8	26.2	25.0	26.4	26.7
3H	24.8	26.1	25.1	26.4	26.6	25.7	27.0	26.0	27.2	27.5
4H	24.8	26.0	25.1	26.3	26.6	25.7	27.0	26.1	27.3	27.5
6H	24.7	25.9	25.0	26.2	26.5	25.7	26.9	26.0	27.1	27.4
8H	24.6	25.8	25.0	26.1	26.4	25.6	26.8	26.0	27.1	27.4
12H	24.6	25.7	25.0	26.0	26.3	25.6	26.7	25.9	27.0	27.3
4H 2H	24.8	26.1	25.2	26.4	26.7	25.3	26.5	25.6	26.8	27.1
3H	25.6	26.7	26.0	27.0	27.4	26.3	27.4	26.7	27.7	28.0
4H	25.7	26.7	26.1	27.0	27.4	26.4	27.4	26.8	27.8	28.1
6H	25.6	26.5	26.0	26.8	27.2	26.4	27.3	26.8	27.6	28.0
8H	25.5	26.4	26.0	26.7	27.2	26.4	27.2	26.8	27.5	28.0
12H	25.5	26.2	25.9	26.6	27.1	26.3	27.0	26.8	27.5	27.9
8H 4H	25.8	26.6	26.2	27.0	27.4	26.5	27.3	26.9	27.7	28.1
6H	25.7	26.4	26.2	26.8	27.3	26.5	27.1	26.9	27.6	28.0
8H	25.7	26.3	26.2	26.7	27.2	26.4	27.0	26.9	27.5	27.9
12H	25.6	26.1	26.1	26.6	27.1	26.4	26.9	26.9	27.4	27.9
12H 4H	25.7	26.5	26.2	26.9	27.3	26.4	27.2	26.9	27.6	28.0
6H	25.7	26.3	26.2	26.7	27.2	26.4	27.0	26.9	27.5	27.9
8H	25.6	26.1	26.1	26.6	27.1	26.4	26.9	26.9	27.4	27.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.9					+ 0.3 / - 0.4				
2.0H	+ 0.4 / - 0.7					+ 0.5 / - 0.7				

CIE Pub.117 Corrected 9693 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.9)

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:	
SPECIFICATION:80W	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	59	47	40	58	47	40	56	46	40	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	75	69	84	74	68	81	73	67	60
1.50	90	81	74	88	80	74	85	78	73	65
2.00	97	89	83	95	88	82	91	85	81	73
2.50	101	93	88	98	92	87	95	89	85	77
3.00	104	98	93	102	96	91	97	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	102	107	103	100	103	99	97	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

Test System:HOPPO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

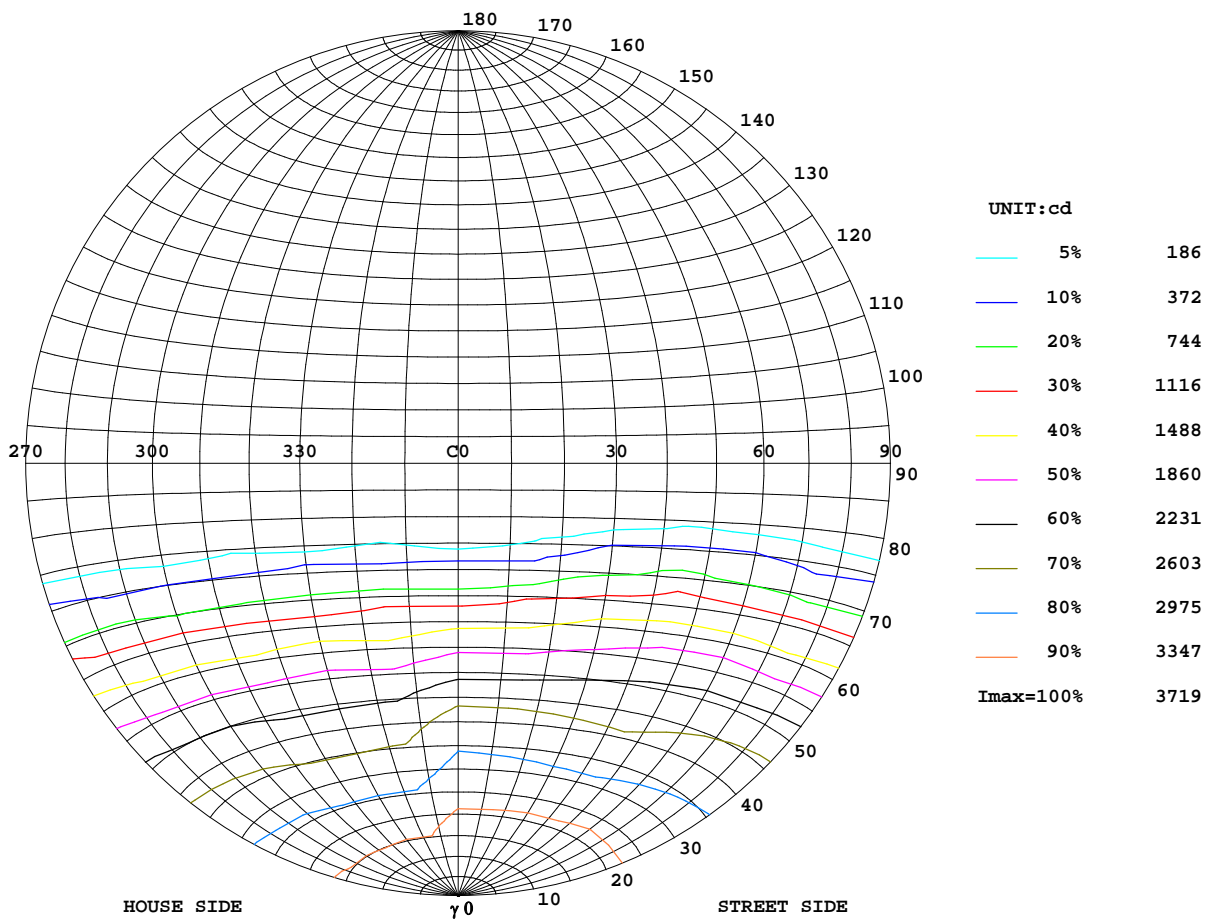
Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

LED FLOOD LIHGT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

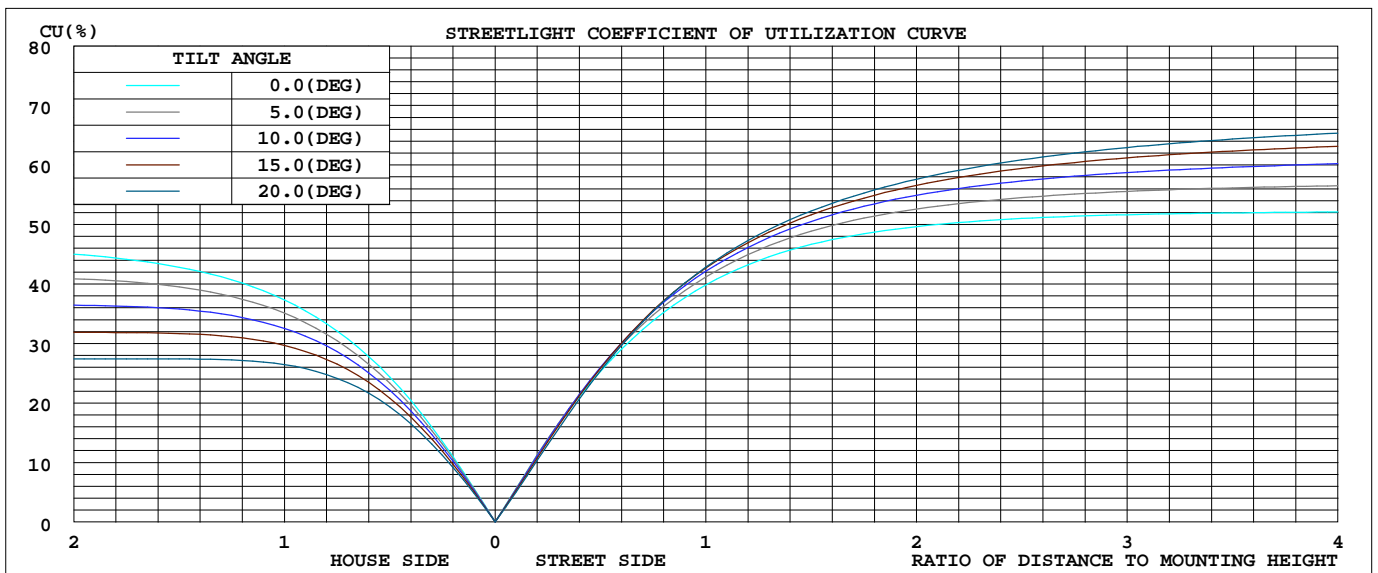
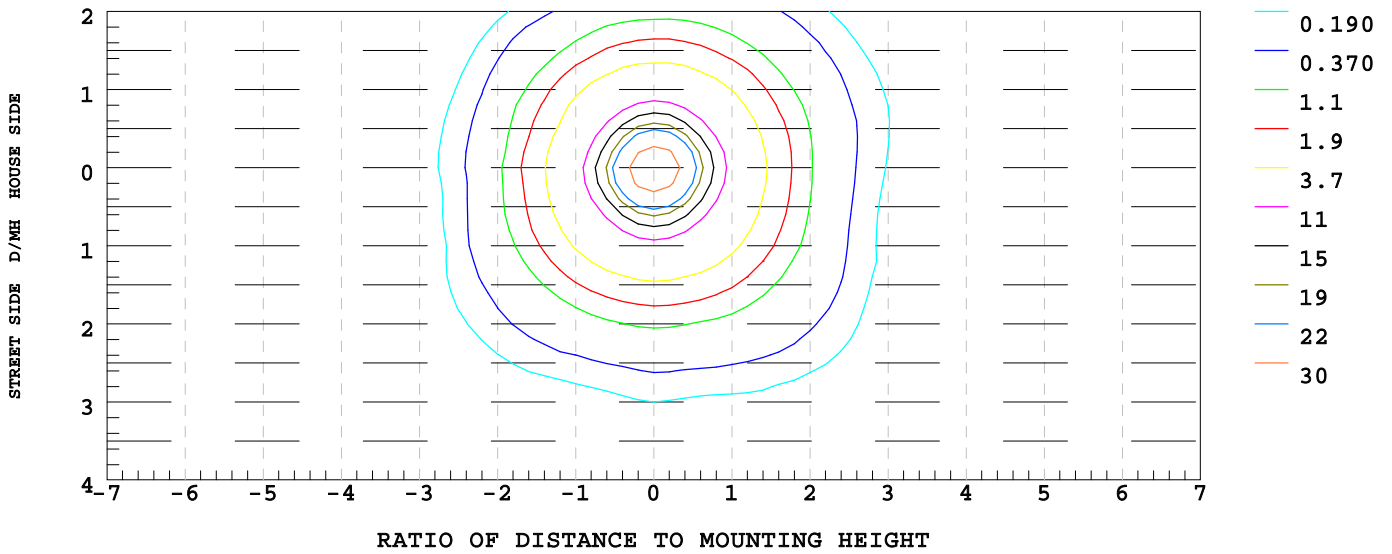
LED FLOOD LIHGT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 37.19 lx



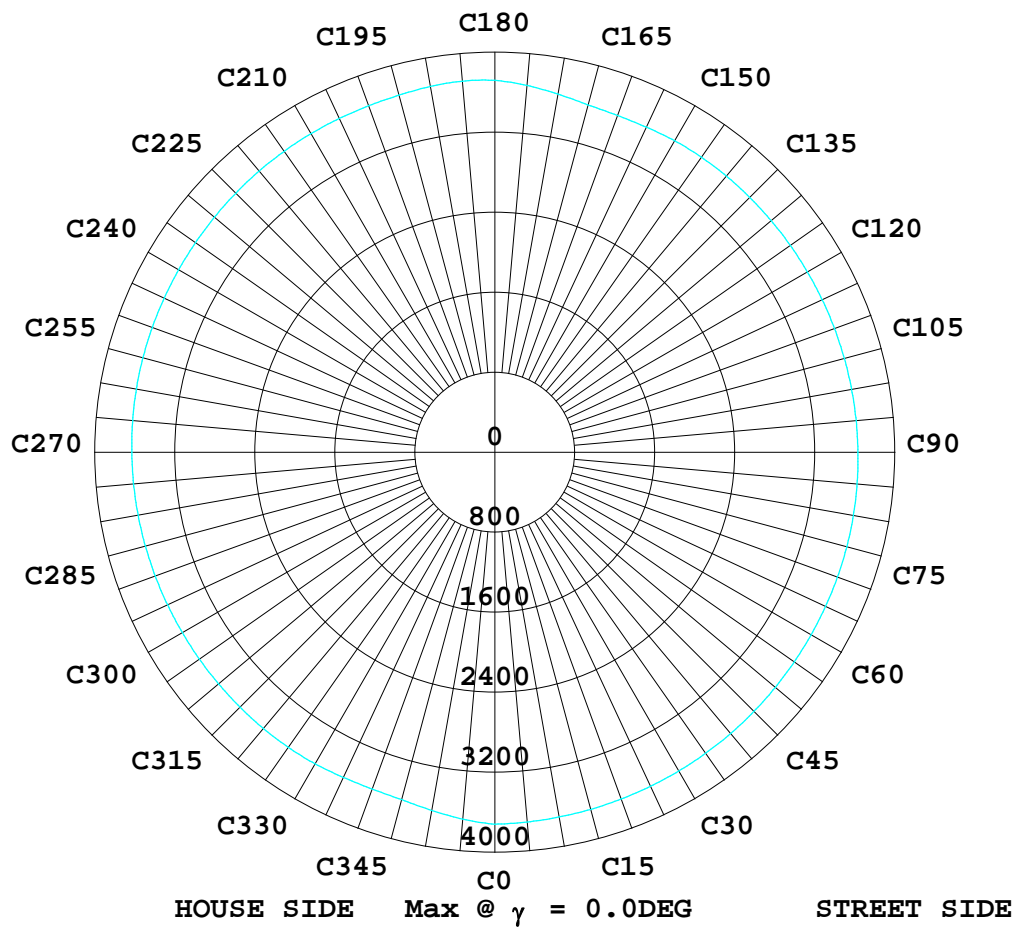
Test System:HOPPO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:80W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

**LED FLOOD LIHGT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:LED FLOOD LIHGT</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:80W</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

H( DEG) V( DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	4.21	4.39	4.57	4.75	6.95	9.15	11.3	9.21	7.06	4.92	6.88	8.85	10.8	8.67	6.52
-85.0	4.21	4.38	4.52	4.66	7.14	9.84	12.6	10.5	8.55	5.53	8.12	11.0	13.8	11.1	8.10
-80.0	4.21	4.37	4.53	4.62	8.27	14.6	25.0	31.2	63.1	82.1	114	146	142	135	110
-75.0	4.21	4.39	4.53	4.64	13.7	47.6	115	181	235	276	352	394	428	396	346
-70.0	4.21	4.42	4.56	8.42	43.0	114	231	338	440	562	674	710	722	784	746
-65.0	4.21	4.44	4.61	18.8	70.9	182	363	522	678	838	1041	1080	1149	1211	1224
-60.0	4.21	4.45	6.46	30.7	103	281	469	658	934	1112	1262	1388	1477	1547	1570
-55.0	4.21	4.46	10.1	48.6	157	341	567	911	1145	1360	1573	1706	1817	1910	1947
-50.0	4.21	4.47	15.8	68.5	198	420	750	1091	1375	1610	1827	1980	2098	2188	2256
-45.0	4.21	4.48	21.9	89.1	229	505	887	1287	1574	1834	2031	2209	2313	2417	2501
-40.0	4.21	4.49	30.5	157	297	619	1042	1437	1740	1993	2192	2348	2462	2570	2668
-35.0	4.21	4.51	39.8	179	369	696	1228	1556	1882	2122	2326	2472	2568	2690	2799
-30.0	4.21	4.56	48.1	197	442	821	1304	1670	2003	2247	2448	2593	2702	2815	2935
-25.0	4.21	4.62	58.6	222	519	955	1384	1758	2100	2358	2566	2704	2826	2944	3066
-20.0	4.21	4.77	65.7	246	579	1132	1471	1845	2184	2452	2664	2806	2938	3072	3194
-15.0	4.21	4.84	72.9	263	624	1174	1538	1936	2262	2538	2748	2890	3028	3176	3307
-10.0	4.21	4.84	79.2	284	657	1186	1576	1975	2324	2608	2820	2955	3091	3241	3383
-5.0	4.21	4.78	83.2	298	680	1190	1593	2008	2366	2655	2875	3018	3156	3297	3424
0.0	4.21	4.70	84.9	305	690	1187	1594	2019	2383	2683	2916	3061	3204	3362	3504
5.0	4.21	4.95	87.5	313	688	1193	1590	1994	2355	2646	2866	3013	3156	3311	3454
10.0	4.21	5.19	87.3	312	675	1191	1567	1945	2304	2592	2797	2942	3080	3220	3347
15.0	4.21	5.41	84.3	301	655	1175	1533	1889	2221	2508	2705	2834	2958	3087	3217
20.0	4.21	5.60	79.2	299	636	1127	1461	1797	2116	2385	2575	2702	2818	2951	3069
25.0	4.21	5.77	72.3	279	610	1023	1380	1701	1993	2247	2436	2560	2682	2796	2899
30.0	4.21	5.93	59.3	255	548	945	1297	1590	1856	2097	2276	2424	2533	2632	2724
35.0	4.21	6.06	40.4	229	500	790	1194	1455	1707	1923	2126	2269	2373	2465	2543
40.0	4.21	6.19	25.7	199	449	693	1075	1312	1539	1754	1949	2103	2199	2288	2357
45.0	4.21	6.31	18.4	154	375	604	867	1168	1365	1559	1744	1902	1993	2065	2134
50.0	4.21	6.40	13.1	118	292	484	684	970	1173	1333	1500	1638	1716	1781	1849
55.0	4.21	6.46	10.0	72.6	211	361	532	710	950	1101	1225	1332	1409	1451	1520
60.0	4.21	6.50	9.79	21.8	132	241	364	512	649	793	952	1029	1145	1158	1210
65.0	4.21	6.53	9.54	15.1	51.5	125	224	318	405	519	586	621	712	715	725
70.0	4.21	6.53	9.37	13.0	15.4	41.6	83.6	173	196	265	300	331	330	383	394
75.0	4.21	6.48	9.15	12.3	11.3	10.3	15.0	30.4	43.9	43.5	81.0	86.1	76.4	139	126
80.0	4.21	6.42	8.96	11.6	10.1	8.22	6.05	8.43	11.8	14.7	13.6	11.7	7.62	9.70	12.4
85.0	4.21	6.39	8.67	11.1	9.35	7.41	5.36	7.56	9.94	12.4	10.3	8.18	5.98	7.79	9.70
90.0	4.21	6.31	8.41	10.5	8.66	6.80	4.94	6.79	8.64	10.4	8.62	6.75	4.89	6.28	7.67

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

**LED FLOOD LIHGT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:LED FLOOD LIHGT</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:80W</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

H( DEG) V( DEG)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	4.38	6.04	7.71	9.38	7.76	6.15	4.54	6.46	8.38	10.3	8.67	7.05	5.43	7.31	9.20
-85.0	4.98	7.13	9.34	11.5	9.23	6.91	4.66	7.29	9.85	12.2	9.95	7.75	5.70	7.90	10.0
-80.0	77.1	75.8	76.2	73.6	60.7	46.6	37.1	42.9	28.3	23.5	19.9	12.9	7.23	9.19	11.5
-75.0	289	293	298	295	281	259	236	261	274	259	222	194	106	53.4	29.1
-70.0	692	695	685	651	644	622	590	591	586	564	501	418	326	228	151
-65.0	1198	1195	1211	1208	1198	1183	1165	1074	1012	934	841	753	623	444	318
-60.0	1571	1608	1632	1632	1600	1548	1481	1445	1369	1284	1172	1114	876	685	484
-55.0	1992	2022	2053	2067	2029	1965	1900	1844	1756	1637	1494	1325	1131	931	648
-50.0	2304	2339	2374	2380	2352	2294	2233	2156	2063	1947	1798	1608	1382	1149	871
-45.0	2565	2620	2652	2667	2632	2577	2502	2413	2306	2182	2048	1835	1609	1360	1030
-40.0	2744	2809	2838	2855	2821	2772	2688	2592	2481	2355	2214	2017	1779	1530	1225
-35.0	2882	2940	2975	2988	2960	2909	2828	2723	2603	2472	2355	2171	1925	1658	1333
-30.0	3028	3083	3117	3132	3107	3055	2973	2862	2726	2606	2483	2308	2058	1772	1443
-25.0	3170	3231	3257	3274	3252	3207	3120	2994	2859	2737	2605	2432	2173	1868	1524
-20.0	3301	3367	3389	3408	3392	3354	3256	3121	2989	2852	2715	2539	2274	1944	1627
-15.0	3410	3477	3504	3521	3513	3469	3366	3243	3096	2949	2809	2632	2361	2025	1698
-10.0	3496	3552	3581	3603	3601	3558	3462	3326	3171	3019	2882	2702	2431	2084	1744
-5.0	3530	3586	3607	3638	3651	3619	3512	3369	3214	3062	2923	2744	2472	2122	1777
0.0	3631	3695	3713	3719	3701	3650	3535	3384	3233	3081	2941	2767	2489	2129	1788
5.0	3565	3611	3620	3581	3539	3467	3352	3229	3099	2966	2841	2672	2407	2070	1740
10.0	3448	3502	3504	3485	3445	3384	3260	3124	2982	2846	2718	2554	2304	1986	1670
15.0	3319	3359	3379	3356	3326	3254	3149	3013	2861	2735	2608	2432	2167	1875	1586
20.0	3154	3201	3227	3201	3179	3102	3005	2886	2747	2609	2481	2306	2050	1760	1465
25.0	2973	3035	3058	3041	3012	2941	2837	2734	2611	2487	2346	2170	1925	1653	1356
30.0	2790	2857	2877	2863	2834	2773	2671	2576	2461	2351	2211	2009	1781	1527	1247
35.0	2617	2678	2696	2679	2656	2600	2507	2406	2311	2201	2057	1857	1612	1384	1129
40.0	2432	2487	2501	2491	2465	2415	2329	2225	2136	2024	1882	1678	1448	1220	995
45.0	2199	2250	2252	2235	2217	2179	2098	2003	1907	1803	1672	1472	1262	1115	768
50.0	1907	1943	1940	1913	1905	1873	1805	1719	1618	1519	1401	1226	1081	839	588
55.0	1571	1588	1590	1568	1559	1528	1479	1399	1303	1217	1110	984	751	610	398
60.0	1255	1270	1266	1240	1237	1211	1168	1111	1059	911	752	681	523	376	240
65.0	730	761	799	781	761	733	695	648	598	512	451	378	267	192	99.8
70.0	388	396	388	358	360	354	339	295	256	244	202	140	92.5	39.2	18.7
75.0	97.1	99.4	91.4	72.7	71.8	55.5	21.1	30.7	27.4	19.6	16.7	19.5	16.5	11.7	8.67
80.0	15.2	12.8	10.0	7.27	9.89	12.4	14.7	12.0	9.43	7.28	9.49	11.5	13.0	10.4	8.00
85.0	11.6	9.50	7.30	5.08	7.22	9.34	11.3	9.49	7.64	5.92	7.79	9.62	11.3	9.22	7.12
90.0	9.05	7.38	5.70	4.02	5.67	7.32	8.97	7.79	6.61	5.43	7.03	8.62	10.2	8.60	6.99

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks:

**LED FLOOD LIHGT**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Report number:

<b>MANUFACTURER:</b>	<b>Address:</b>	
<b>NAME:</b>	<b>TYPE:LED FLOOD LIHGT</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:80W</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

H( DEG)	60	65	70	75	80	85	90
-90.0	11.0	9.58	8.07	6.57	7.58	8.58	9.59
-85.0	11.9	9.94	8.06	6.34	7.50	8.61	9.59
-80.0	13.2	10.5	8.28	6.36	7.65	8.66	9.59
-75.0	20.3	11.4	8.55	6.54	7.80	8.79	9.59
-70.0	63.4	18.5	8.86	6.80	8.00	8.98	9.59
-65.0	170	63.8	11.2	7.11	8.21	9.15	9.59
-60.0	299	122	28.2	7.50	8.51	9.28	9.59
-55.0	412	231	56.7	8.13	8.83	9.43	9.59
-50.0	545	283	84.7	15.8	9.23	9.59	9.59
-45.0	680	373	172	29.9	9.63	9.75	9.59
-40.0	815	449	195	45.2	10.1	9.90	9.59
-35.0	935	529	236	54.0	10.7	10.0	9.59
-30.0	1141	639	296	66.5	11.4	10.2	9.59
-25.0	1167	709	349	95.2	12.7	10.4	9.59
-20.0	1234	759	404	126	15.3	10.6	9.59
-15.0	1293	834	431	131	17.3	10.7	9.59
-10.0	1343	904	457	134	18.7	10.9	9.59
-5.0	1364	927	477	135	19.3	11.1	9.59
0.0	1366	922	482	131	19.4	11.2	9.59
5.0	1337	897	473	131	18.9	11.2	9.59
10.0	1288	839	449	127	18.1	11.2	9.59
15.0	1223	753	419	119	16.9	11.2	9.59
20.0	1136	677	389	110	15.6	11.1	9.59
25.0	1026	648	334	94.8	14.2	11.0	9.59
30.0	911	583	279	63.1	13.6	11.0	9.59
35.0	727	481	221	33.3	13.2	10.9	9.59
40.0	645	389	170	27.5	12.8	10.8	9.59
45.0	511	287	129	20.0	12.4	10.8	9.59
50.0	374	206	53.4	15.0	12.1	10.7	9.59
55.0	245	119	21.5	13.5	11.7	10.5	9.59
60.0	165	31.3	13.3	12.7	11.4	10.4	9.59
65.0	33.8	11.8	11.9	12.1	11.0	10.3	9.59
70.0	7.72	9.47	10.8	11.5	10.7	10.1	9.59
75.0	6.76	8.49	9.90	10.9	10.4	9.97	9.59
80.0	6.03	7.63	9.12	10.3	10.0	9.82	9.59
85.0	5.25	6.90	8.46	9.97	9.87	9.75	9.59
90.0	5.38	6.85	8.31	9.78	9.72	9.66	9.59

Test System:HOPOO HPG1600  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2020年07月28日

Test Set: 8.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:5.200 m  
 Remarks: