

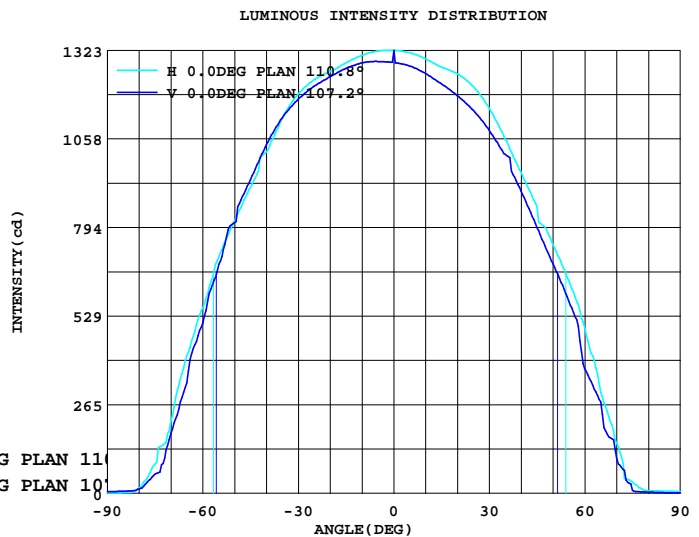
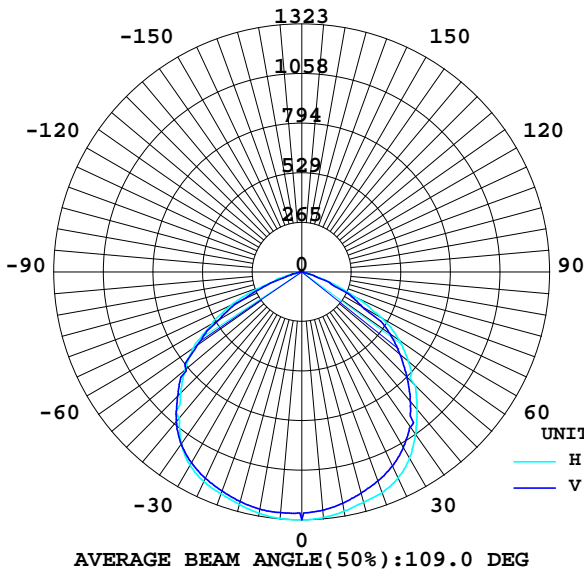
LED FLOOD LIHGT

LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

MODEL:					
NOMINAL POWER(W):	30	Imax(cd):	1323	Voltage(V)	218.3
RATED VOLTAGE(V):	218	AVAILABILITY(%):	97.2	Current(A)	0.240
NOMINAL FLUX(lm):	3500	Avai. FLUX(lm):	3403	Power(W)	29.25
TEST FLUX(lm):	3500	EFFICIENCY(%):	100.0	Power Factor(PF)	0.556
LAMPS QUANTITY :	1	TOTAL FLUX(lm):	3500	EFFICIENCY(lm/W)	119.7
Effictive Flux(lm) :	3403.4	θ @50%(H, V):	110.7,107.3DEG	EEL:	0.117



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:30W	DIMENSION:	SERIAL No.:

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

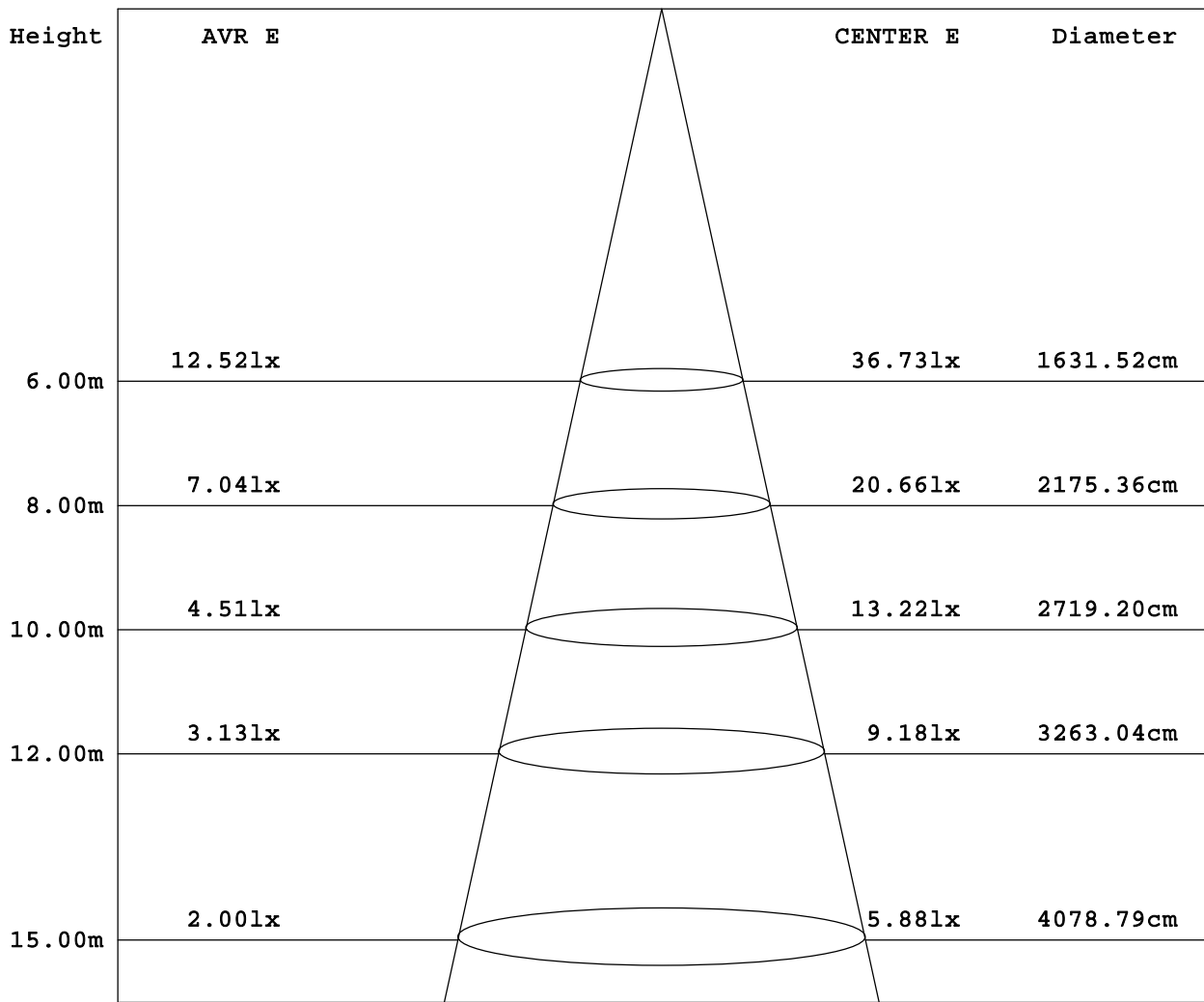
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.200 m
Remarks:

LED FLOOD LIHGT

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:



Angle:107.3deg

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:30W	DIMENSION:	SERIAL No.:				

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a
	0.01	0.04	0.05	0.07	0.14	0.10	0.11	0.18	0.11	0.11	0.17	0.10	0.09	0.12	0.06	0.04	0.04	0.01	1.54	0.00	
90	0.01	0.04	0.05	0.07	0.14	0.10	0.11	0.18	0.11	0.11	0.17	0.10	0.09	0.12	0.06	0.04	0.04	0.01	1.54	0.00	
80	0.01	0.05	0.08	0.26	0.64	0.94	1.17	1.25	1.12	0.92	0.75	0.48	0.29	0.20	0.07	0.05	0.04	0.01	8.34	0.08	
70	0.01	0.08	0.52	1.97	3.93	5.79	6.87	7.90	7.91	7.51	6.70	5.11	3.39	1.58	0.39	0.08	0.05	0.02	59.8	54.1	
60	0.01	0.21	1.64	4.59	8.49	11.8	14.6	16.8	17.4	16.9	15.4	12.5	9.46	5.67	2.13	0.34	0.06	0.02	138	136	
50	0.01	0.42	2.85	7.19	12.0	16.9	20.7	23.3	24.3	23.9	22.1	18.7	14.5	9.60	4.57	1.05	0.09	0.02	202	201	
40	0.01	0.65	3.97	9.25	15.1	21.2	26.3	29.2	30.6	30.2	28.1	24.2	18.6	12.6	6.75	1.95	0.16	0.02	259	258	
30	0.01	0.82	4.74	10.8	17.4	24.4	29.9	33.0	34.6	34.2	32.0	28.1	21.7	14.8	8.52	2.85	0.24	0.02	299	298	
20	0.01	0.90	5.18	11.7	18.9	26.4	31.9	35.3	37.1	36.5	34.1	30.1	23.7	16.4	9.87	3.61	0.34	0.02	323	322	
10	0.01	0.88	5.33	12.1	19.7	27.6	33.5	37.1	38.9	38.0	35.8	32.0	25.4	17.7	10.7	4.07	0.40	0.02	340	339	
0	0.01	0.84	5.30	12.2	19.7	27.5	33.3	36.8	38.7	39.1	37.1	33.1	26.2	18.2	11.0	4.17	0.42	0.02	344	344	
-10	0.01	0.81	5.06	11.9	19.2	26.9	32.4	35.9	38.1	38.1	36.0	32.3	25.6	17.6	10.5	3.90	0.38	0.02	335	335	
-20	0.01	0.69	4.45	11.2	18.4	25.7	31.1	34.6	36.5	36.4	34.4	30.6	24.3	16.7	9.66	3.29	0.28	0.02	319	318	
-30	0.01	0.49	3.58	10.0	16.8	23.3	28.7	32.0	33.6	33.5	31.7	27.8	21.6	15.1	8.35	2.45	0.18	0.01	290	289	
-40	0.01	0.24	2.62	8.04	14.1	19.3	24.0	26.9	28.2	28.0	26.2	22.8	17.6	12.2	6.39	1.60	0.09	0.01	239	238	
-50	0.00	0.11	1.62	5.51	10.3	14.5	17.9	19.5	20.5	20.2	18.6	16.5	12.8	8.57	3.95	0.78	0.04	0.01	172	170	
-60	0.00	0.05	0.71	3.06	6.14	8.80	10.1	10.0	10.4	10.1	9.19	8.82	6.96	4.12	1.55	0.25	0.03	0.01	90.5	87.8	
-70	0.00	0.02	0.24	0.88	2.10	3.06	3.35	2.62	2.25	2.11	2.17	2.35	1.63	0.67	0.25	0.08	0.03	0.01	23.8	10.2	
-80	0.00	0.02	0.07	0.12	0.13	0.26	0.28	0.14	0.18	0.16	0.10	0.17	0.14	0.07	0.09	0.07	0.02	0.01	2.03	0.00	
-90	0.00	0.02	0.07	0.12	0.13	0.26	0.28	0.14	0.18	0.16	0.10	0.17	0.14	0.07	0.09	0.07	0.02	0.01	2.03	0.00	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	0.17	7.33	48.0	121	204	285	347	383	401	397	371	326	254	172	95.0	30.6	2.88	0.27	3500		
Φ a	0.00	3.63	45.1	119	201	283	344	380	398	393	368	324	252	170	92.1	26.9	0.27	0.00		3403	

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

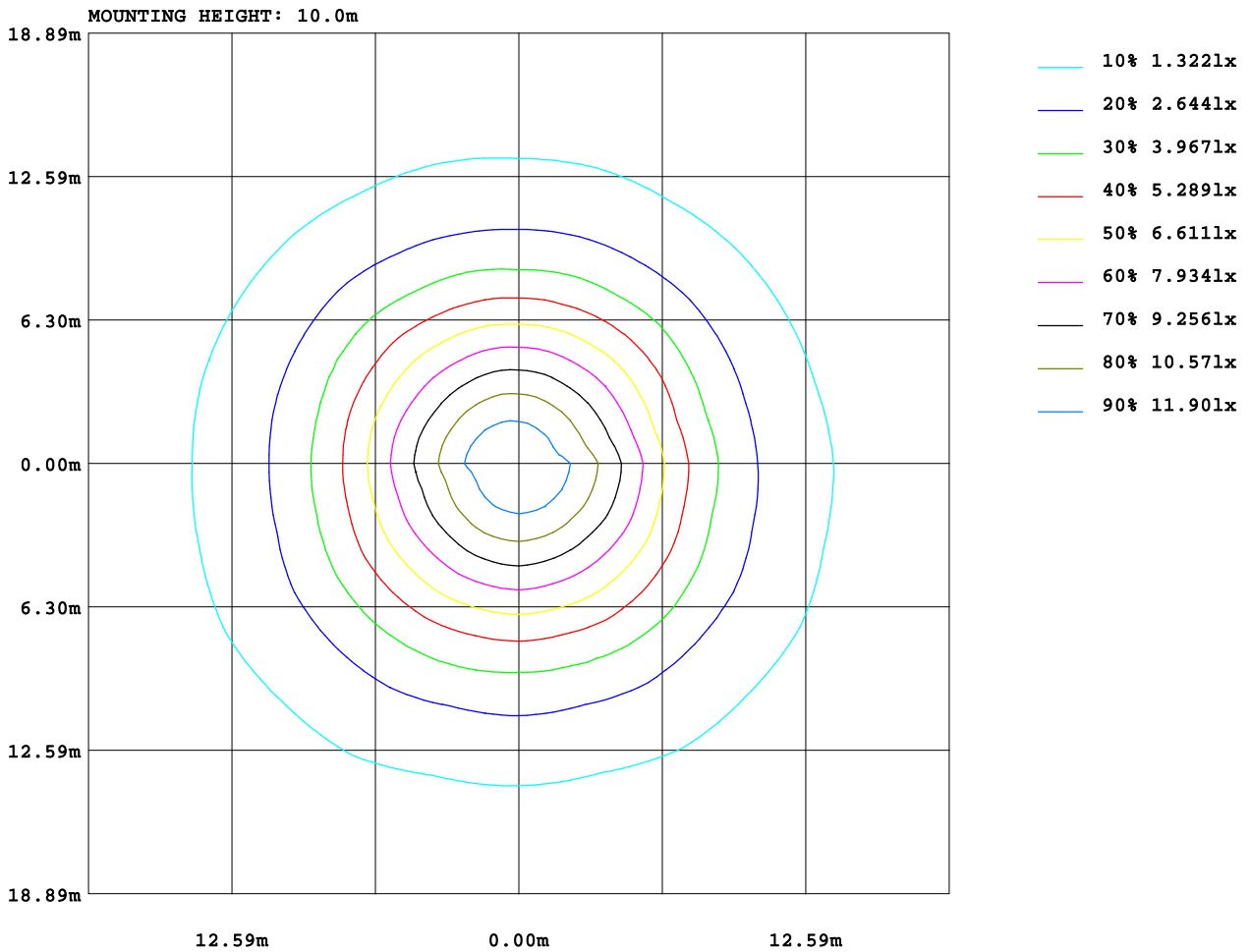
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED FLOOD LIHGT

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:



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

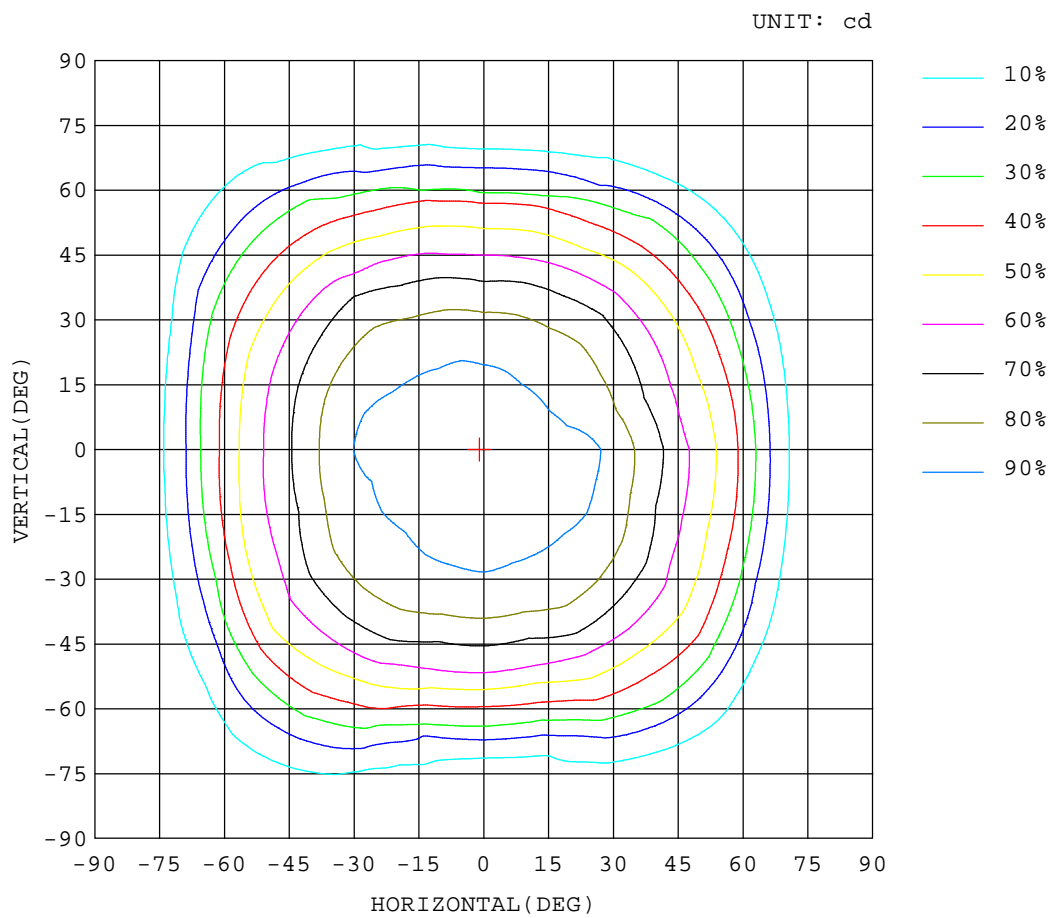
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED FLOOD LIHGT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	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:

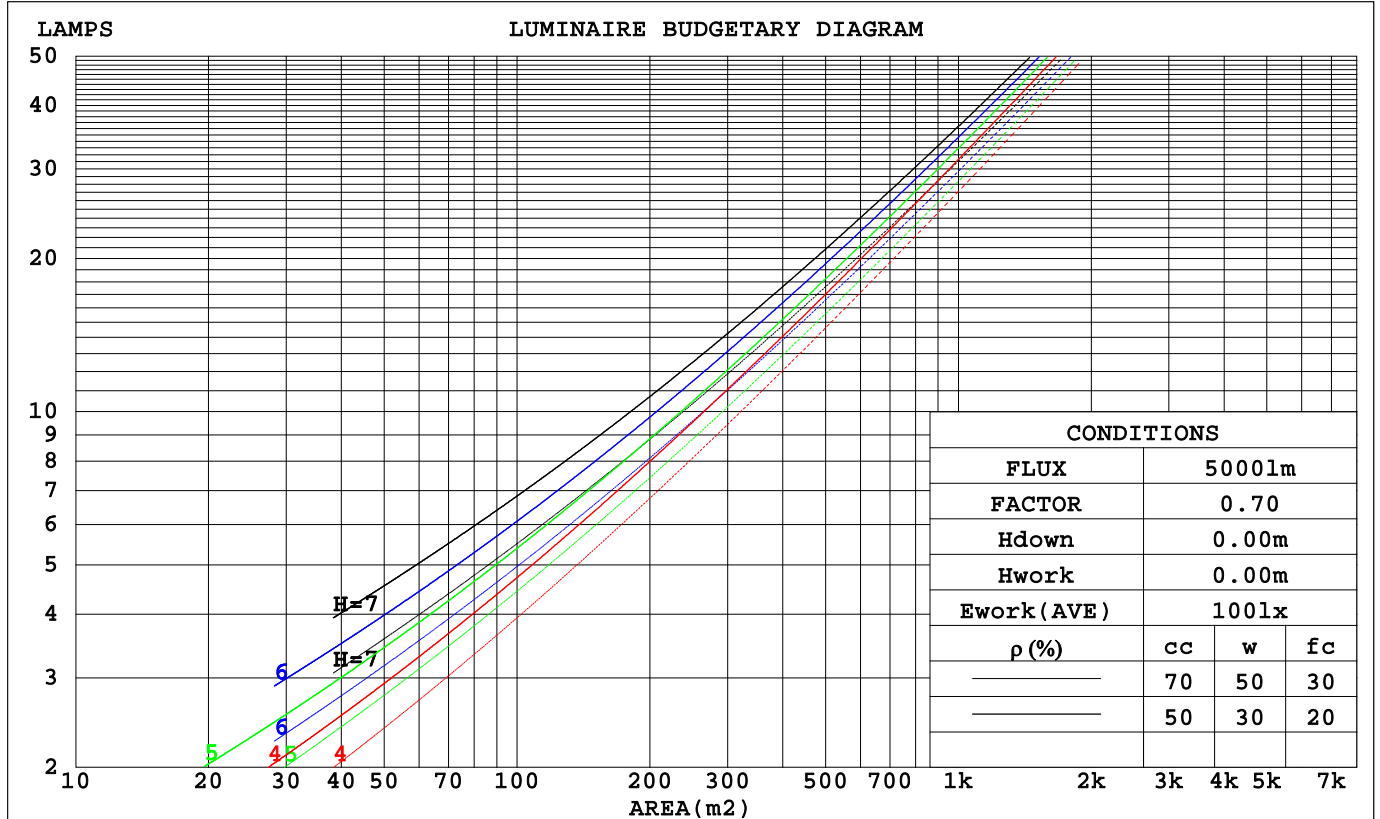
LED FLOOD LIHGT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME:				TYPE:LED FLOOD LIHGT				WEIGHT:			
SPECIFICATION:30W				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	.98														
1.0	1.06	1.02	.99	1.03	.90	.97	.99	.96	.94	.95	.92	.90	.91	.89	.88	.85														
2.0	.93	.87	.82	.91	.86	.81	.87	.83	.79	.84	.80	.77	.81	.78	.75	.73														
3.0	.82	.75	.69	.81	.74	.68	.78	.72	.67	.75	.70	.65	.72	.68	.64	.62														
4.0	.73	.65	.59	.72	.64	.58	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53														
5.0	.66	.57	.51	.64	.56	.50	.62	.55	.50	.60	.54	.49	.58	.53	.48	.46														
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.40														
7.0	.53	.45	.39	.53	.45	.39	.51	.44	.38	.49	.43	.38	.48	.42	.38	.36														
8.0	.49	.41	.35	.48	.40	.35	.47	.39	.34	.45	.39	.34	.44	.38	.34	.32														
9.0	.45	.37	.31	.44	.36	.31	.43	.36	.31	.42	.35	.31	.41	.35	.30	.29														
10.0	.41	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.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 LIHGT

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	1315	1299	1289	1279	1320	1296	1276	1265	0- 5	30.83	30.83
10.0	1297	1285	1285	1274	1308	1278	1254	1241	5- 10	91.60	122.4
15.0	1272	1262	1268	1257	1285	1250	1222	1209	10- 15	149.5	272.0
20.0	1253	1233	1243	1231	1259	1214	1187	1172	15- 20	203.3	475.3
25.0	1215	1202	1216	1198	1235	1174	1144	1136	20- 25	252.3	727.6
30.0	1149	1165	1177	1165	1192	1136	1083	1090	25- 30	294.5	1022
35.0	1057	1118	1121	1131	1119	1086	1011	1026	30- 35	327.0	1349
40.0	958.7	1046	1042	1076	1019	1015	902.4	934.0	35- 40	346.7	1696
45.0	855.2	937.5	937.0	1013	913.3	928.2	792.4	802.6	40- 45	350.0	2046
50.0	741.4	827.7	808.5	891.0	815.0	791.1	685.9	701.5	45- 50	338.0	2384
55.0	635.6	698.1	683.3	767.7	706.9	671.4	573.9	571.0	50- 55	314.4	2699
60.0	494.8	562.7	508.4	643.0	553.5	545.7	371.0	453.3	55- 60	276.1	2975
65.0	301.4	442.4	330.2	522.2	411.4	421.2	273.0	299.0	60- 65	217.6	3192
70.0	148.4	280.6	178.4	376.0	216.2	243.0	103.1	137.7	65- 70	146.3	3339
75.0	34.44	124.8	57.59	205.1	86.98	101.0	8.652	33.23	70- 75	75.01	3414
80.0	8.220	18.54	12.76	76.52	16.73	19.46	3.542	8.409	75- 80	25.42	3439
85.0	6.327	2.541	6.246	5.083	1.946	7.733	1.865	6.408	80- 85	5.448	3445
90.0	5.326	1.973	5.083	1.892	1.514	5.894	1.352	5.543	85- 90	2.294	3447
95.0	5.326	2.568	4.786	1.838	1.784	5.462	1.811	5.462	90- 95	2.005	3449
100.0	5.786	3.434	5.002	2.541	2.460	5.597	2.568	5.813	95-100	2.129	3451
105.0	6.759	4.623	5.624	3.569	3.434	6.246	3.650	6.624	100-105	2.465	3454
110.0	7.976	5.975	6.597	4.786	4.650	7.057	4.840	7.463	105-110	2.926	3456
115.0	9.139	7.138	7.733	5.975	5.975	7.841	6.219	8.382	110-115	3.379	3460
120.0	10.27	8.193	8.842	7.111	7.165	8.679	7.571	9.274	115-120	3.755	3464
125.0	11.22	9.031	9.869	8.084	8.274	9.436	8.733	9.869	120-125	4.029	3468
130.0	12.05	9.923	10.76	9.031	9.274	10.13	9.788	10.51	125-130	4.190	3472
135.0	12.78	10.78	11.68	9.923	10.24	10.87	10.70	11.16	130-135	4.238	3476
140.0	13.43	11.54	12.51	10.76	11.19	11.60	11.49	11.89	135-140	4.183	3480
145.0	14.03	12.30	13.16	11.54	12.08	12.30	12.14	12.54	140-145	4.022	3484
150.0	14.57	12.97	13.84	12.33	12.84	13.03	12.81	13.16	145-150	3.760	3488
155.0	15.03	13.68	14.38	13.03	13.49	13.70	13.38	13.84	150-155	3.401	3491
160.0	15.49	14.38	14.89	13.73	14.25	14.30	14.06	14.38	155-160	2.952	3494
165.0	16.06	14.98	15.60	14.49	15.14	14.84	14.79	14.84	160-165	2.424	3497
170.0	16.71	15.52	16.33	15.14	16.06	15.41	15.54	15.33	165-170	1.821	3499
175.0	17.19	15.89	16.95	15.73	17.00	16.19	16.35	16.08	170-175	1.141	3500
180.0	17.52	16.33	17.14	16.22	17.65	16.62	16.87	16.52	175-180	0.394	3500
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

WEC AND CCEC

Report number:

MANUFACTURER:	Address:					
NAME:	TYPE:LED FLOOD LIHGT			WEIGHT:		
SPECIFICATION:30W	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	.268	.152	.048	.261	.149	.047	.247	.142	.045	.234	.135	.043	.222	.129	.042	
2.0	.262	.144	.044	.256	.141	.043	.243	.135	.042	.232	.130	.041	.222	.125	.040	
3.0	.249	.132	.040	.243	.130	.039	.232	.126	.038	.222	.122	.037	.213	.118	.036	
4.0	.233	.121	.036	.228	.119	.035	.218	.116	.035	.210	.113	.034	.201	.109	.033	
5.0	.218	.111	.032	.214	.110	.032	.205	.107	.031	.197	.104	.031	.190	.101	.030	
6.0	.204	.102	.029	.200	.101	.029	.192	.099	.029	.185	.096	.028	.179	.094	.028	
7.0	.191	.095	.027	.188	.094	.027	.181	.091	.026	.174	.089	.026	.168	.087	.026	
8.0	.180	.088	.025	.176	.087	.025	.170	.085	.024	.164	.083	.024	.159	.082	.024	
9.0	.169	.082	.023	.166	.081	.023	.161	.079	.022	.155	.078	.022	.150	.076	.022	
10.0	.160	.076	.021	.157	.076	.021	.152	.074	.021	.147	.073	.021	.142	.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	.202	.202	.202	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.189	.168	.149	.162	.144	.129	.111	.099	.089	.064	.057	.052	.020	.018	.017	
2.0	.180	.144	.113	.154	.124	.098	.106	.086	.068	.061	.050	.040	.020	.016	.013	
3.0	.172	.126	.089	.148	.109	.077	.101	.075	.054	.059	.044	.032	.019	.014	.010	
4.0	.165	.113	.073	.141	.097	.063	.097	.068	.044	.056	.040	.026	.018	.013	.009	
5.0	.158	.102	.061	.135	.088	.053	.093	.062	.037	.054	.036	.022	.017	.012	.007	
6.0	.151	.094	.052	.130	.081	.046	.090	.057	.032	.052	.033	.019	.017	.011	.006	
7.0	.145	.087	.046	.124	.075	.040	.086	.053	.029	.050	.031	.017	.016	.010	.006	
8.0	.138	.081	.041	.119	.070	.036	.082	.049	.026	.048	.029	.015	.016	.010	.005	
9.0	.133	.076	.038	.114	.066	.033	.079	.046	.023	.046	.027	.014	.015	.009	.005	
10.0	.127	.072	.035	.110	.062	.030	.076	.044	.022	.044	.026	.013	.014	.009	.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:30W						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	20.6	22.1	20.9	22.3	22.5	20.8	22.3	21.1	22.5	22.7
3H	21.1	22.4	21.5	22.7	23.0	21.3	22.7	21.7	22.9	23.2
4H	21.1	22.3	21.4	22.6	22.9	21.3	22.6	21.7	22.8	23.1
6H	21.0	22.1	21.3	22.4	22.7	21.2	22.4	21.6	22.7	23.0
8H	20.9	22.0	21.3	22.3	22.7	21.2	22.3	21.5	22.6	22.9
12H	20.9	21.9	21.2	22.3	22.6	21.1	22.2	21.5	22.5	22.9
4H 2H	21.2	22.5	21.6	22.7	23.0	21.4	22.6	21.7	22.9	23.2
3H	21.9	23.0	22.3	23.3	23.6	22.1	23.1	22.4	23.5	23.8
4H	21.9	22.8	22.3	23.2	23.6	22.1	23.1	22.5	23.4	23.8
6H	21.8	22.6	22.2	23.0	23.4	22.0	22.9	22.5	23.3	23.7
8H	21.7	22.5	22.2	22.9	23.3	22.0	22.8	22.4	23.2	23.6
12H	21.7	22.4	22.1	22.8	23.3	22.0	22.7	22.4	23.1	23.5
8H 4H	21.9	22.7	22.3	23.1	23.5	22.1	22.9	22.6	23.3	23.7
6H	21.8	22.5	22.3	22.9	23.4	22.1	22.7	22.6	23.2	23.6
8H	21.8	22.4	22.3	22.8	23.3	22.1	22.6	22.5	23.1	23.5
12H	21.8	22.2	22.3	22.7	23.2	22.0	22.5	22.5	23.0	23.5
12H 4H	21.9	22.6	22.3	23.0	23.4	22.1	22.8	22.5	23.2	23.7
6H	21.8	22.4	22.3	22.8	23.3	22.1	22.6	22.5	23.1	23.5
8H	21.8	22.2	22.3	22.7	23.2	22.0	22.5	22.5	23.0	23.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.3				
1.5H	+ 0.5 / - 0.7					+ 0.5 / - 0.6				
2.0H	+ 0.4 / - 0.7					+ 0.7 / - 0.7				

CIE Pub.117 Corrected 3500 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.4)

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

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:	
SPECIFICATION:30W	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	48	41	58	48	41	57	47	41	35
0.80	70	59	52	69	58	51	67	57	51	44
1.00	79	68	61	77	67	61	75	69	60	53
1.25	86	76	69	84	75	69	82	74	68	61
1.50	91	82	75	89	81	75	86	79	73	66
2.00	97	90	84	95	88	83	92	86	81	74
2.50	101	94	89	99	92	88	95	90	85	77
3.00	104	98	93	102	96	92	98	93	89	81
4.00	108	103	99	105	101	97	101	97	94	85
5.00	110	106	102	107	103	100	103	100	97	88
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

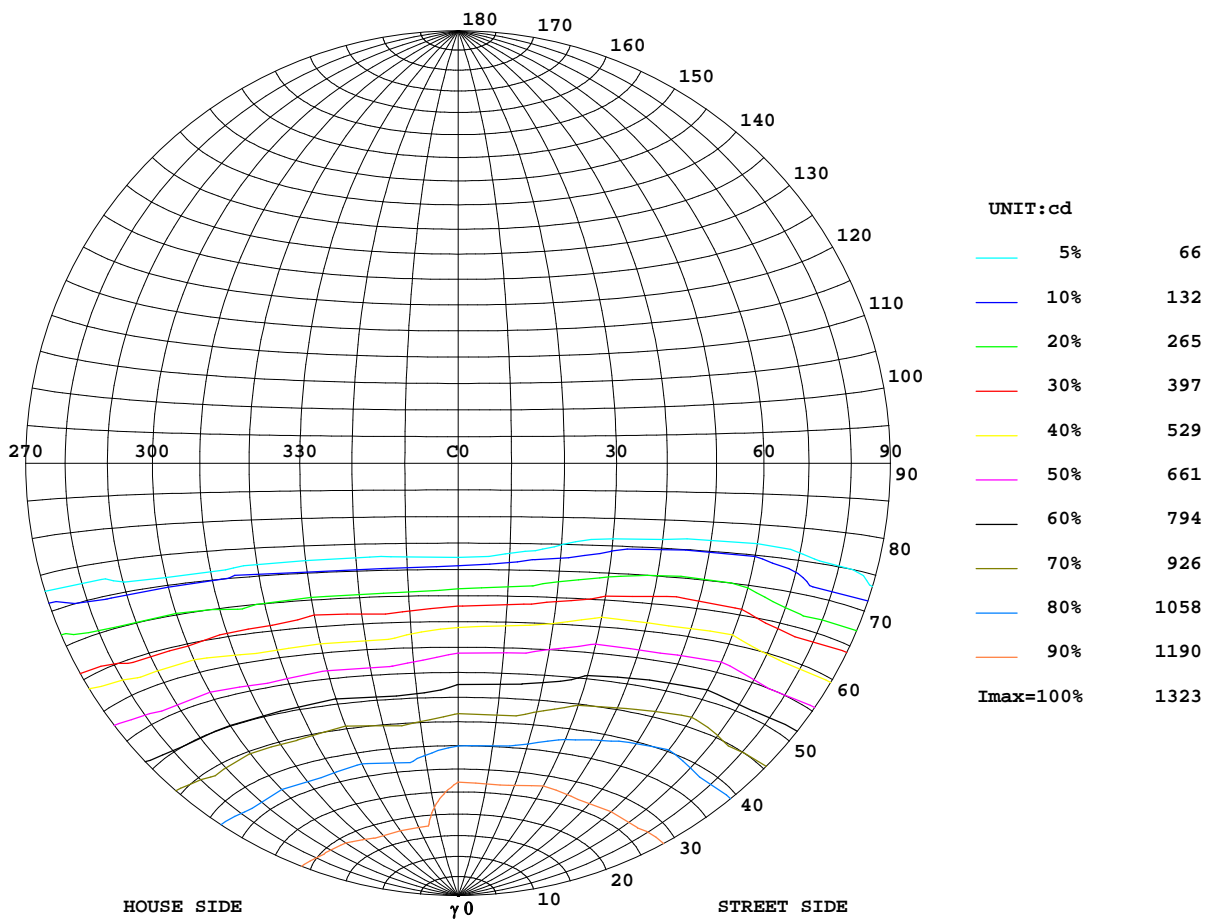
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED FLOOD LIHGT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:



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

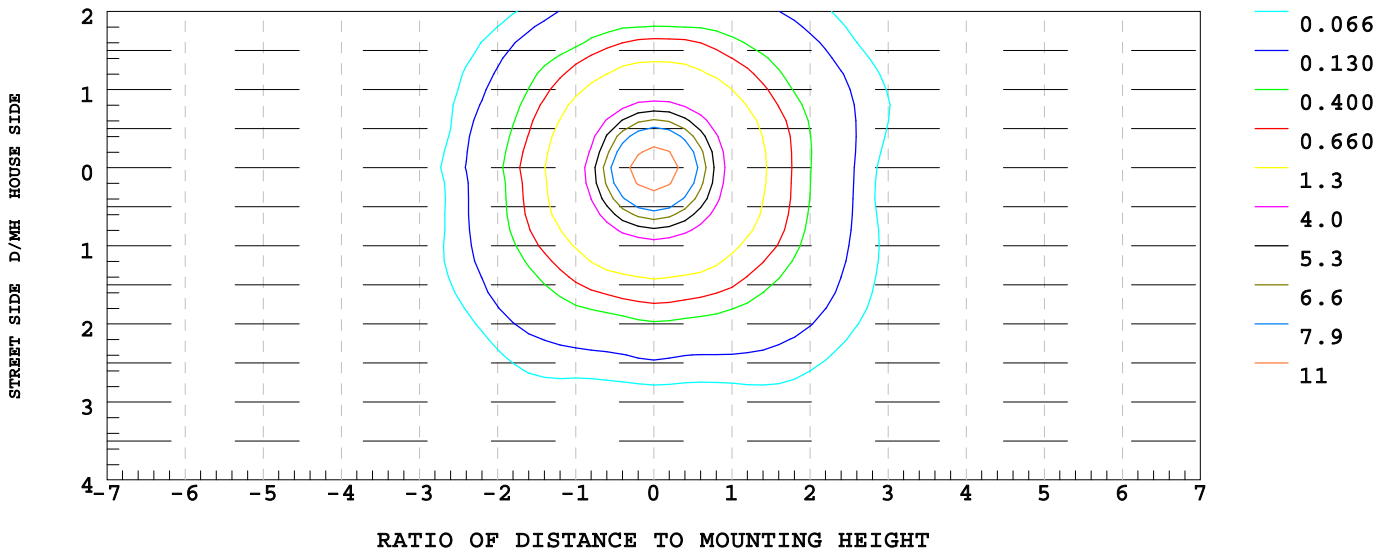
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m,Enadir = 13.22 lx



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

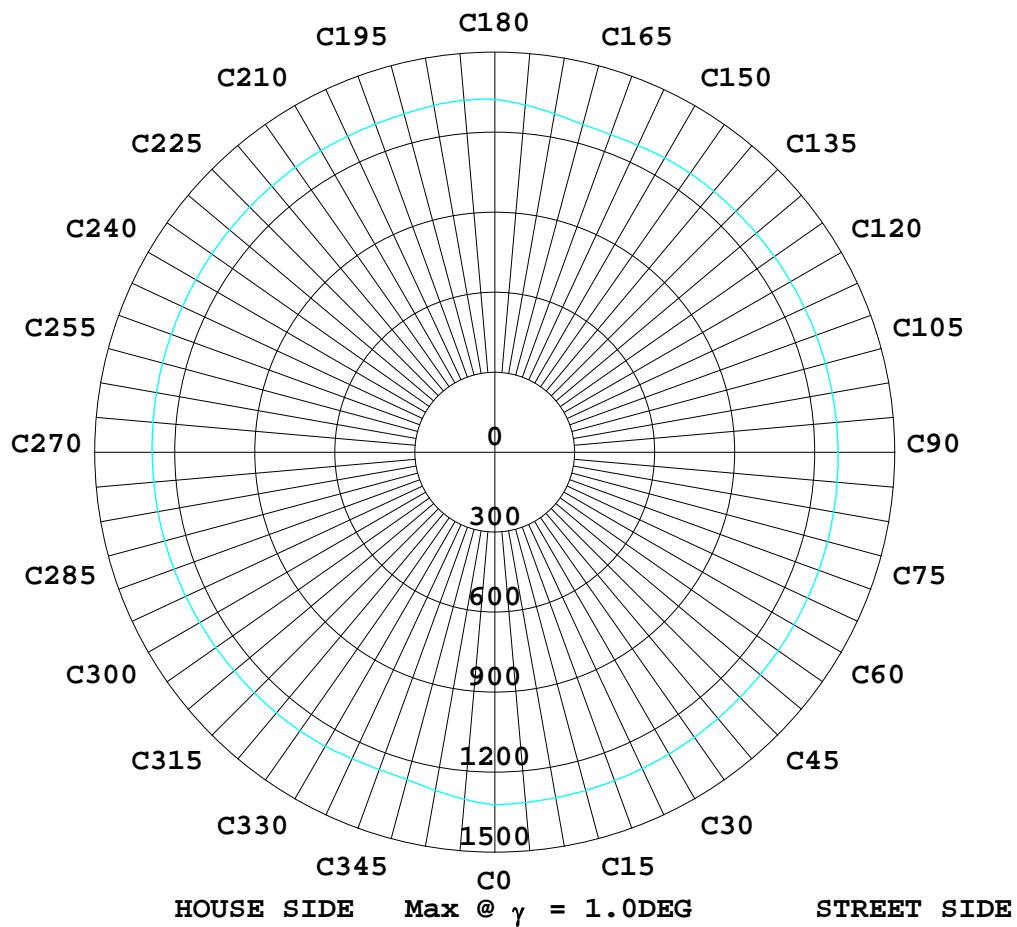
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED FLOOD LIHGT

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	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:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20
-90.0	1.51	1.56	1.62	1.67	3.24	4.81	6.38	4.88	3.38	1.89	3.32	4.75	6.19	4.65	3.12
-85.0	1.51	1.57	1.61	1.64	3.39	5.25	7.15	5.68	4.07	2.40	4.21	6.13	8.12	6.24	4.23
-80.0	1.51	1.59	1.64	1.70	3.62	6.37	12.9	14.4	18.0	25.2	29.9	34.7	39.7	34.4	27.0
-75.0	1.51	1.60	1.68	1.81	5.36	14.8	34.9	47.8	61.6	82.0	116	136	128	113	95.7
-70.0	1.51	1.62	1.74	1.99	10.5	31.6	48.9	104	157	184	204	226	249	235	210
-65.0	1.51	1.64	1.83	3.54	18.0	37.6	112	178	219	297	340	345	379	374	342
-60.0	1.51	1.66	1.95	7.19	21.9	77.6	162	239	319	385	444	477	499	525	521
-55.0	1.51	1.67	2.25	9.61	35.5	119	212	313	405	485	547	588	621	646	671
-50.0	1.51	1.70	3.19	13.9	47.9	168	263	387	495	575	638	683	741	781	792
-45.0	1.51	1.72	3.99	20.4	81.1	189	319	456	581	662	719	779	824	882	909
-40.0	1.51	1.77	5.50	30.4	135	222	385	522	650	730	793	863	924	985	1008
-35.0	1.51	1.80	6.86	38.3	149	261	420	577	698	788	865	935	1014	1047	1079
-30.0	1.51	1.82	7.98	51.4	159	302	464	607	733	806	919	1000	1057	1097	1126
-25.0	1.51	1.84	9.30	64.3	174	347	500	653	759	858	954	1042	1097	1132	1157
-20.0	1.51	1.88	12.1	78.4	185	373	530	677	777	876	973	1066	1128	1159	1179
-15.0	1.51	1.91	14.2	84.7	196	388	547	692	796	887	1011	1082	1144	1181	1203
-10.0	1.51	1.93	15.6	90.7	206	404	557	704	807	903	1015	1096	1157	1192	1217
-5.0	1.51	1.94	16.4	90.7	215	411	558	709	815	912	1020	1112	1175	1208	1224
0.0	1.51	1.94	16.7	86.9	216	411	554	707	815	913	1019	1119	1192	1235	1259
5.0	1.51	2.12	18.0	92.2	220	416	558	704	809	913	1017	1113	1181	1221	1244
10.0	1.51	2.28	18.6	96.1	217	414	555	696	800	903	1004	1097	1162	1196	1216
15.0	1.51	2.43	18.6	98.0	215	405	543	678	784	885	981	1067	1127	1161	1186
20.0	1.51	2.57	17.4	95.4	209	389	525	657	758	856	943	1029	1090	1129	1153
25.0	1.51	2.69	14.5	88.3	203	371	505	627	722	808	902	1004	1047	1090	1113
30.0	1.51	2.80	12.5	74.4	195	335	475	577	677	762	849	927	998	1037	1057
35.0	1.51	2.90	10.4	58.8	175	292	433	527	623	705	782	861	931	960	993
40.0	1.51	2.97	7.38	46.3	147	260	381	472	561	637	707	775	806	864	885
45.0	1.51	3.02	5.86	38.9	128	220	314	413	488	561	624	682	723	753	779
50.0	1.51	3.09	5.67	33.1	87.8	168	245	347	418	481	537	581	618	645	671
55.0	1.51	3.13	5.59	19.6	51.2	128	192	248	338	400	448	484	513	536	563
60.0	1.51	3.15	5.47	9.89	38.7	63.0	153	184	229	282	354	357	353	400	412
65.0	1.51	3.17	5.35	8.24	17.4	35.3	58.4	118	149	187	210	224	248	248	271
70.0	1.51	3.16	5.17	7.74	7.61	12.8	23.2	44.1	54.2	87.9	95.0	113	138	127	130
75.0	1.51	3.14	5.03	7.27	6.52	5.23	3.79	9.30	17.5	28.6	29.4	26.4	24.3	27.5	38.9
80.0	1.51	3.10	4.88	6.82	5.68	4.34	2.78	4.45	6.47	8.66	7.39	5.67	3.79	5.28	7.13
85.0	1.51	3.07	4.68	6.40	5.09	3.65	2.19	3.71	5.35	7.01	5.60	4.05	2.43	3.75	5.13
90.0	1.51	3.01	4.50	6.00	4.58	3.17	1.75	3.13	4.51	5.89	4.56	3.22	1.89	3.01	4.14

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:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

UNIT: cd

H(DEG)	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55
-90.0	1.59	2.75	3.92	5.08	3.99	2.90	1.81	3.17	4.53	5.89	4.58	3.28	1.97	3.33	4.69
-85.0	2.17	3.52	4.89	6.24	4.92	3.60	2.30	4.04	5.73	7.31	5.58	3.92	2.36	3.84	5.27
-80.0	18.0	16.3	14.6	12.7	12.2	10.5	6.99	10.9	11.0	10.7	7.86	5.07	3.15	4.81	6.30
-75.0	74.6	68.4	63.4	57.5	63.5	65.5	62.4	73.7	78.9	60.0	52.1	37.4	22.6	14.1	8.75
-70.0	182	179	181	178	177	171	167	179	198	190	157	135	85.8	54.5	36.5
-65.0	320	336	340	330	325	309	296	314	304	296	278	235	187	142	82.8
-60.0	501	507	513	508	502	484	464	475	469	447	411	364	299	221	150
-55.0	672	667	678	683	668	641	630	623	598	560	517	468	401	319	224
-50.0	802	814	816	809	809	800	786	764	734	674	611	555	493	404	297
-45.0	916	917	931	937	924	903	895	878	811	776	710	641	572	495	361
-40.0	1027	1027	1037	1042	1032	1019	1016	986	933	868	796	721	645	554	428
-35.0	1096	1105	1116	1121	1112	1097	1087	1065	1020	942	870	788	707	606	479
-30.0	1147	1159	1170	1177	1166	1153	1141	1117	1076	1013	931	819	748	645	521
-25.0	1180	1197	1208	1216	1204	1192	1176	1152	1117	1060	981	886	775	674	559
-20.0	1204	1226	1236	1243	1234	1222	1204	1183	1150	1097	1014	908	797	694	586
-15.0	1224	1248	1261	1268	1261	1248	1227	1211	1179	1116	1031	920	817	716	609
-10.0	1242	1262	1277	1285	1282	1268	1251	1232	1194	1129	1039	937	828	732	623
-5.0	1245	1267	1278	1289	1294	1284	1262	1243	1206	1144	1055	952	841	741	633
0.0	1285	1308	1320	1322	1315	1297	1272	1253	1215	1149	1057	959	855	741	636
5.0	1266	1283	1291	1276	1257	1231	1208	1193	1165	1108	1024	930	822	725	620
10.0	1236	1256	1261	1254	1236	1215	1188	1164	1127	1064	981	893	789	701	599
15.0	1206	1220	1229	1222	1210	1186	1165	1138	1095	1036	952	858	760	669	569
20.0	1169	1183	1194	1187	1178	1155	1134	1109	1065	1007	918	818	730	635	535
25.0	1125	1142	1150	1144	1137	1117	1092	1068	1026	957	872	781	692	599	485
30.0	1070	1087	1091	1083	1079	1064	1037	1010	966	900	807	731	644	553	442
35.0	1002	1014	1018	1011	1007	992	960	925	885	804	750	669	588	494	391
40.0	907	920	917	902	904	894	866	826	783	736	673	598	519	432	325
45.0	798	796	795	792	790	780	757	722	682	636	582	519	446	362	245
50.0	690	697	695	686	683	674	651	617	578	538	491	438	370	266	190
55.0	580	590	584	574	572	565	543	512	470	436	378	351	245	192	105
60.0	398	408	403	371	372	366	356	327	295	285	246	213	167	93.5	50.8
65.0	286	280	278	273	268	252	225	203	168	150	141	95.1	49.8	39.5	17.1
70.0	146	135	120	103	103	97.4	92.3	72.9	58.4	53.3	35.8	31.1	18.9	9.39	4.64
75.0	35.8	27.6	18.4	8.65	12.3	13.9	12.1	9.41	6.37	4.79	6.37	7.76	8.38	6.12	4.13
80.0	9.02	7.38	5.49	3.54	5.23	6.87	8.29	6.43	4.61	3.09	4.57	5.98	7.02	5.27	3.63
85.0	6.52	5.01	3.44	1.86	3.30	4.74	6.13	4.78	3.44	2.17	3.49	4.78	5.98	4.64	3.33
90.0	5.27	3.96	2.65	1.35	2.58	3.82	5.05	4.05	3.05	2.05	3.21	4.38	5.54	4.38	3.21

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:

MANUFACTURER:	Address:	
NAME:	TYPE:LED FLOOD LIHGT	WEIGHT:
SPECIFICATION:30W	DIMENSION:	SERIAL No.:

UNIT: cd

H(DEG)	60	65	70	75	80	85	90
V(DEG)							
-90.0	6.05	4.89	3.73	2.56	3.48	4.40	5.32
-85.0	6.62	5.16	3.75	2.45	3.47	4.44	5.32
-80.0	7.48	5.56	3.87	2.45	3.53	4.48	5.32
-75.0	8.49	6.13	4.09	2.62	3.60	4.54	5.32
-70.0	16.0	6.73	4.29	2.85	3.78	4.62	5.32
-65.0	42.3	13.8	4.49	3.13	3.94	4.72	5.32
-60.0	80.5	29.1	5.81	3.51	4.17	4.79	5.32
-55.0	125	49.4	11.2	3.94	4.43	4.91	5.32
-50.0	185	77.1	20.0	4.46	4.71	5.04	5.32
-45.0	223	111	27.7	5.17	5.02	5.17	5.32
-40.0	286	153	41.4	9.26	5.35	5.28	5.32
-35.0	316	173	59.9	13.6	5.71	5.40	5.32
-30.0	370	206	74.9	18.9	6.07	5.54	5.32
-25.0	409	247	117	23.5	6.47	5.68	5.32
-20.0	436	267	128	27.5	6.87	5.82	5.32
-15.0	458	282	140	30.0	7.25	5.96	5.32
-10.0	480	297	147	32.6	7.60	6.09	5.32
-5.0	492	303	149	34.1	7.92	6.21	5.32
0.0	495	301	148	34.4	8.22	6.32	5.32
5.0	481	295	146	34.2	8.19	6.31	5.32
10.0	458	283	141	32.4	8.13	6.29	5.32
15.0	430	267	130	29.2	8.03	6.26	5.32
20.0	398	245	112	25.5	7.89	6.22	5.32
25.0	360	216	90.5	22.0	7.73	6.18	5.32
30.0	295	174	49.6	14.8	7.51	6.12	5.32
35.0	258	144	44.3	11.4	7.31	6.05	5.32
40.0	211	112	40.6	9.08	7.10	6.00	5.32
45.0	166	56.8	21.8	8.51	6.87	5.96	5.32
50.0	99.3	42.7	11.0	7.93	6.64	5.90	5.32
55.0	50.3	20.0	8.33	7.45	6.43	5.82	5.32
60.0	22.6	7.10	7.23	7.00	6.22	5.73	5.32
65.0	5.10	5.59	6.34	6.55	6.02	5.69	5.32
70.0	3.55	4.69	5.60	6.19	5.87	5.61	5.32
75.0	2.83	3.97	5.03	5.87	5.72	5.53	5.32
80.0	2.31	3.47	4.62	5.69	5.60	5.46	5.32
85.0	2.07	3.26	4.43	5.53	5.46	5.39	5.32
90.0	2.05	3.16	4.27	5.38	5.36	5.34	5.32

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: