

LED Flood Light

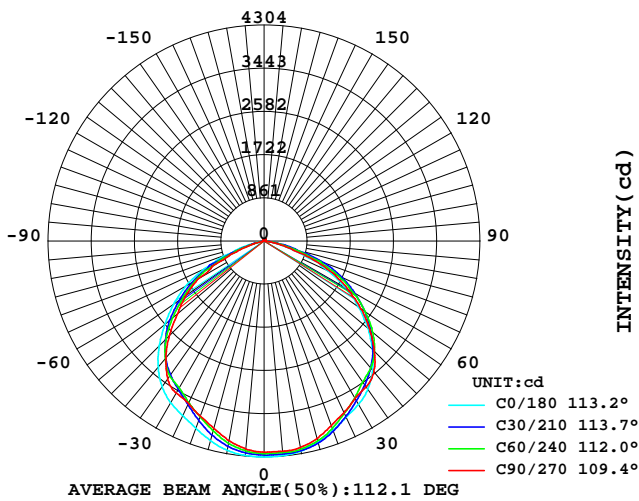
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

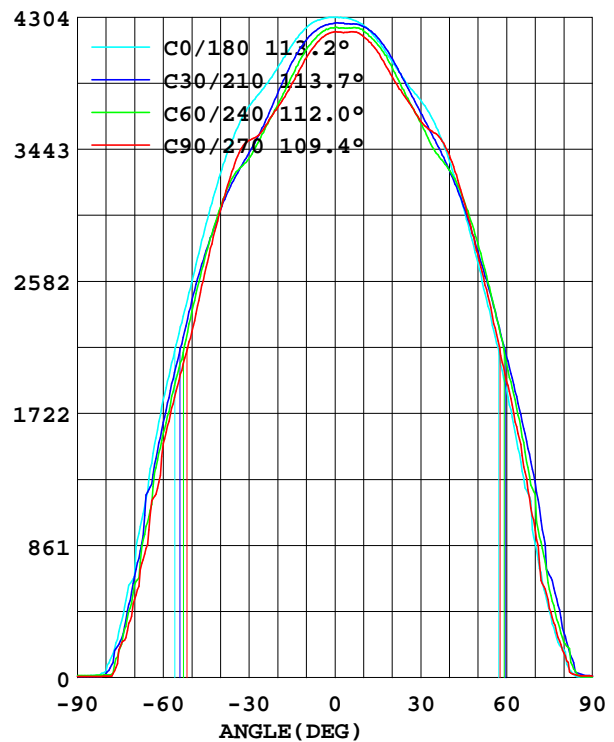
MANUFACTURER:	Address:		
NAME: LED Flood Light	TYPE:	WEIGHT:	
SPECIFICATION:100W	DIMENSION:	SERIAL No.:	

DATA OF LAMP		I _{max} (cd)	4304	S/MH(C0/180)	1.29
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.26
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	11510	Voltage(V)	218.5
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	116.2	Current(A)	0.458
NOMINAL FLUX(lm)	11509.8	η up(%)	1.3	Power(W)	99.08
LAMPS QUANTITY	1	η down(%)	98.7	Power Factor(PF)	0.988
TEST VOLTAGE(V)	218.5	Effective Flux(lm)	11192.5	EEI	0.121

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:HOPPO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

Color Temperature Data List

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

Test System:HOPOO HPG1600
Temperature:25.3DEG
Operators:
Test Date:2019年10月24日

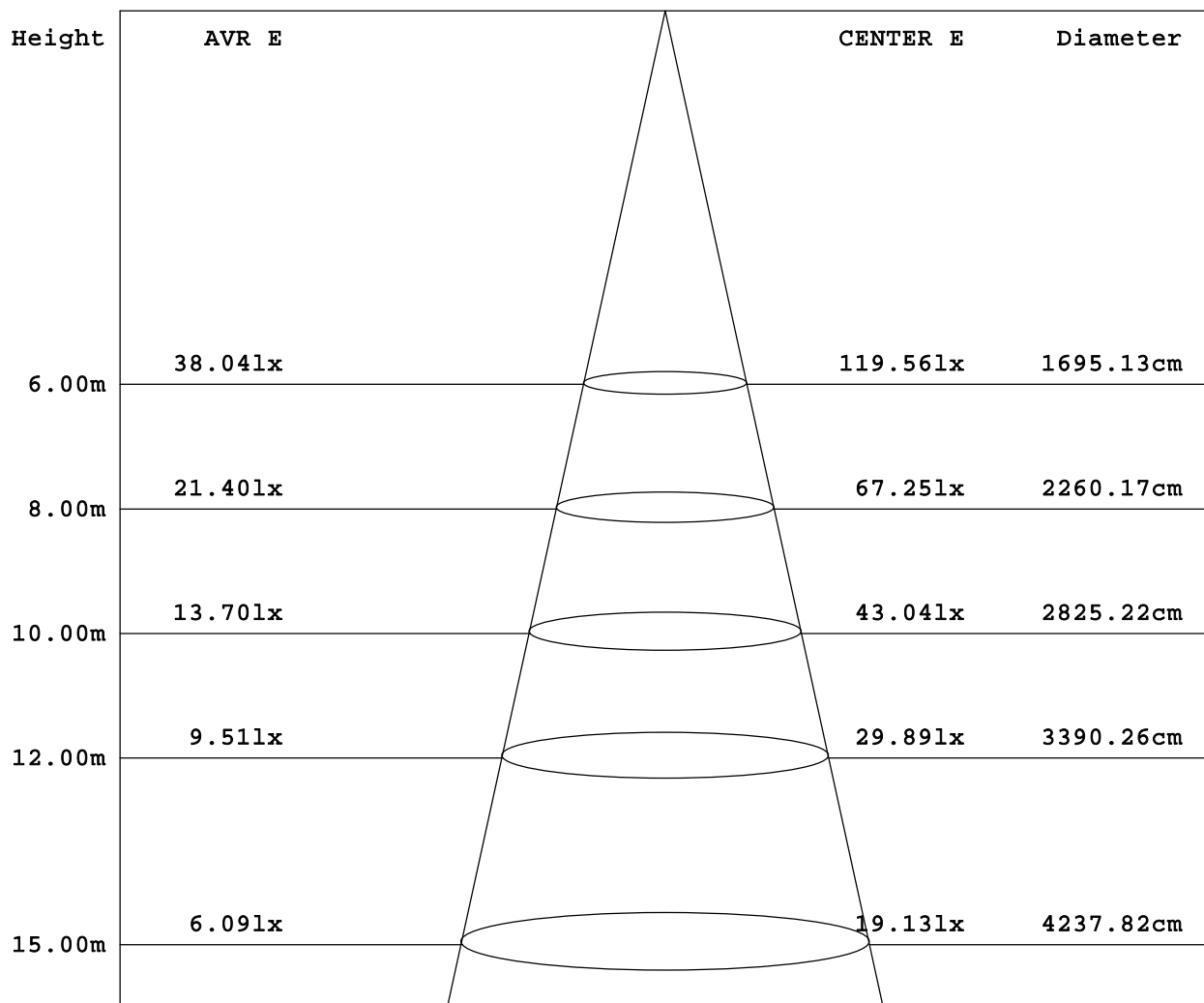
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.200 m
Remarks:

LED Flood Light

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Angle:109.4deg

Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24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: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	4289	4218	4161	4158	4295	4249	4207	4178	0- 5	100.7	100.7
10.0	4235	4119	4037	4079	4252	4234	4178	4144	5- 10	298.9	399.6
15.0	4123	3962	3871	3951	4149	4150	4075	4040	10- 15	484.8	884.5
20.0	3975	3749	3715	3764	4016	4014	3918	3886	15- 20	650.2	1535
25.0	3839	3545	3572	3563	3874	3814	3774	3681	20- 25	792.7	2327
30.0	3726	3365	3502	3378	3763	3609	3627	3478	25- 30	915.3	3243
35.0	3546	3214	3350	3210	3607	3422	3548	3295	30- 35	1021	4263
40.0	3280	3072	3040	3070	3366	3255	3404	3122	35- 40	1098	5362
45.0	2960	2838	2676	2888	3062	3099	3108	2941	40- 45	1131	6493
50.0	2578	2472	2252	2586	2704	2875	2758	2687	45- 50	1111	7604
55.0	2199	2013	1897	2171	2294	2542	2357	2323	50- 55	1040	8644
60.0	1812	1570	1527	1738	1882	2114	1930	1896	55- 60	927.1	9571
65.0	1297	1191	963.0	1305	1405	1664	1519	1453	60- 65	766.1	10337
70.0	657.1	576.1	508.0	820.0	873.3	1200	961.3	1042	65- 70	553.9	10891
75.0	341.7	232.3	203.8	357.9	435.5	688.5	451.1	517.1	70- 75	311.7	11203
80.0	40.26	15.83	8.733	70.52	180.3	292.5	162.0	179.3	75- 80	127.1	11330
85.0	12.76	11.09	7.733	10.85	6.138	29.31	13.11	9.639	80- 85	26.69	11357
90.0	11.41	10.50	7.652	9.693	5.380	8.787	10.32	8.206	85- 90	5.447	11362
95.0	12.38	12.47	9.085	11.12	6.624	8.625	9.977	8.882	90- 95	5.192	11367
100.0	14.70	15.02	12.33	13.65	9.193	10.18	11.11	10.76	95-100	5.973	11373
105.0	17.76	17.92	15.79	16.79	12.27	12.68	13.33	13.34	100-105	7.237	11381
110.0	21.09	20.53	19.06	19.40	15.52	15.39	15.98	15.99	105-110	8.559	11389
115.0	24.14	22.74	21.87	21.51	18.68	18.02	18.87	18.63	110-115	9.658	11399
120.0	26.74	24.82	24.22	23.76	21.52	20.68	21.79	21.17	115-120	10.51	11409
125.0	29.31	27.29	26.66	26.24	24.49	23.33	24.55	23.59	120-125	11.14	11421
130.0	31.82	29.70	28.85	28.54	27.41	25.83	27.20	26.02	125-130	11.53	11432
135.0	33.96	31.65	30.82	30.31	30.04	28.09	29.58	28.25	130-135	11.64	11444
140.0	35.99	33.38	32.79	31.97	32.55	30.46	31.85	30.54	135-140	11.46	11455
145.0	37.88	35.04	34.53	33.69	34.63	32.79	33.74	32.66	140-145	11.00	11466
150.0	39.37	36.63	35.88	35.21	36.61	34.92	35.58	34.66	145-150	10.27	11476
155.0	41.04	38.20	37.47	36.82	38.80	36.85	37.50	36.34	150-155	9.285	11486
160.0	42.61	39.61	38.99	38.31	41.10	38.80	39.66	37.86	155-160	8.074	11494
165.0	44.39	41.39	41.15	40.16	43.31	40.97	41.77	39.57	160-165	6.652	11500
170.0	46.13	43.53	43.23	42.37	45.56	43.42	43.75	41.79	165-170	5.028	11506
175.0	47.83	45.22	44.99	43.93	47.61	45.17	45.42	43.73	170-175	3.163	11509
180.0	48.40	45.99	45.72	44.64	48.48	46.02	45.99	44.65	175-180	1.081	11510
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPPO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

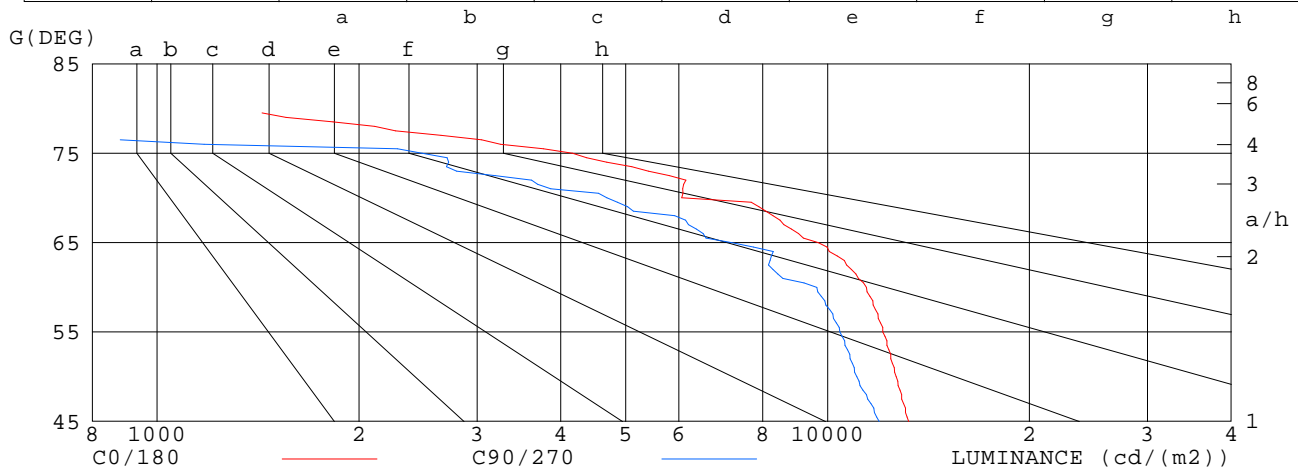
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=300	<=300	<=300	<=300	<=300
1.15	A	2000	1000	500	<=300				
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	462	280
80	731	159
75	4165	2485
70	6061	4686
65	9683	7189
60	11432	9635
55	12091	10432
50	12652	11052
45	13207	11940

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

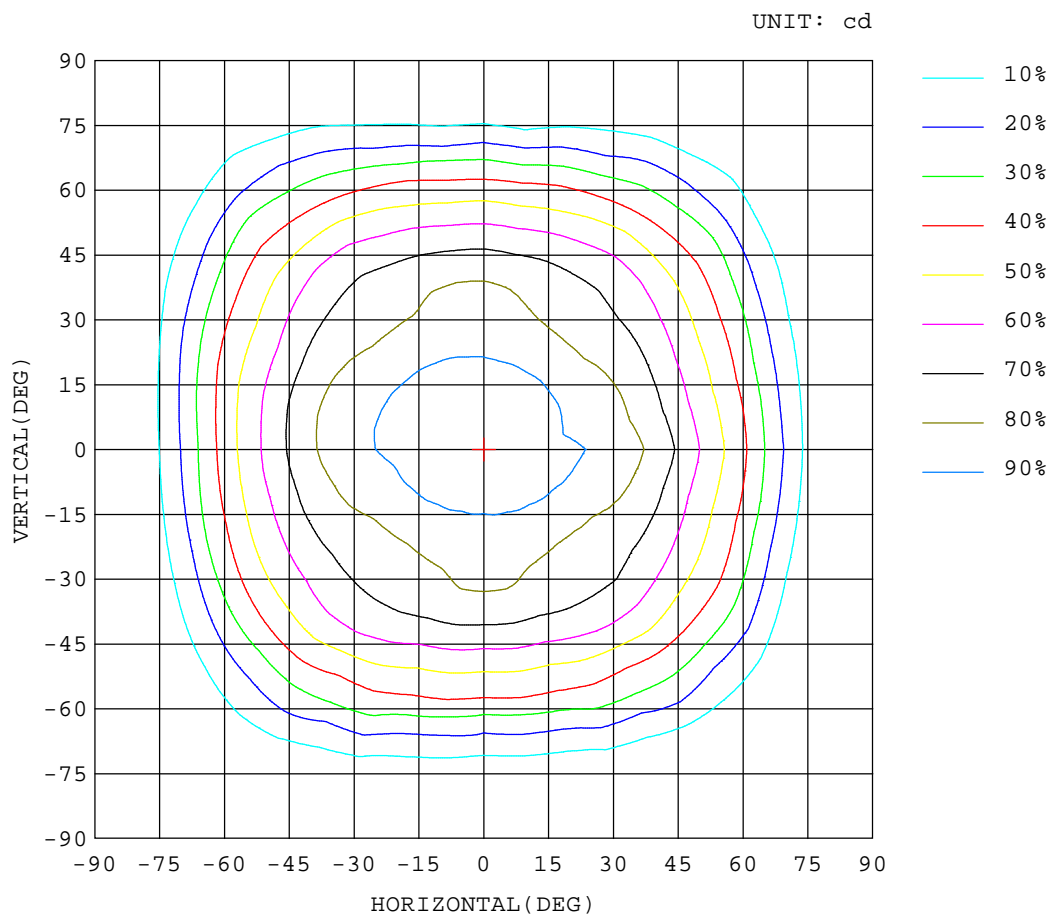
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LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

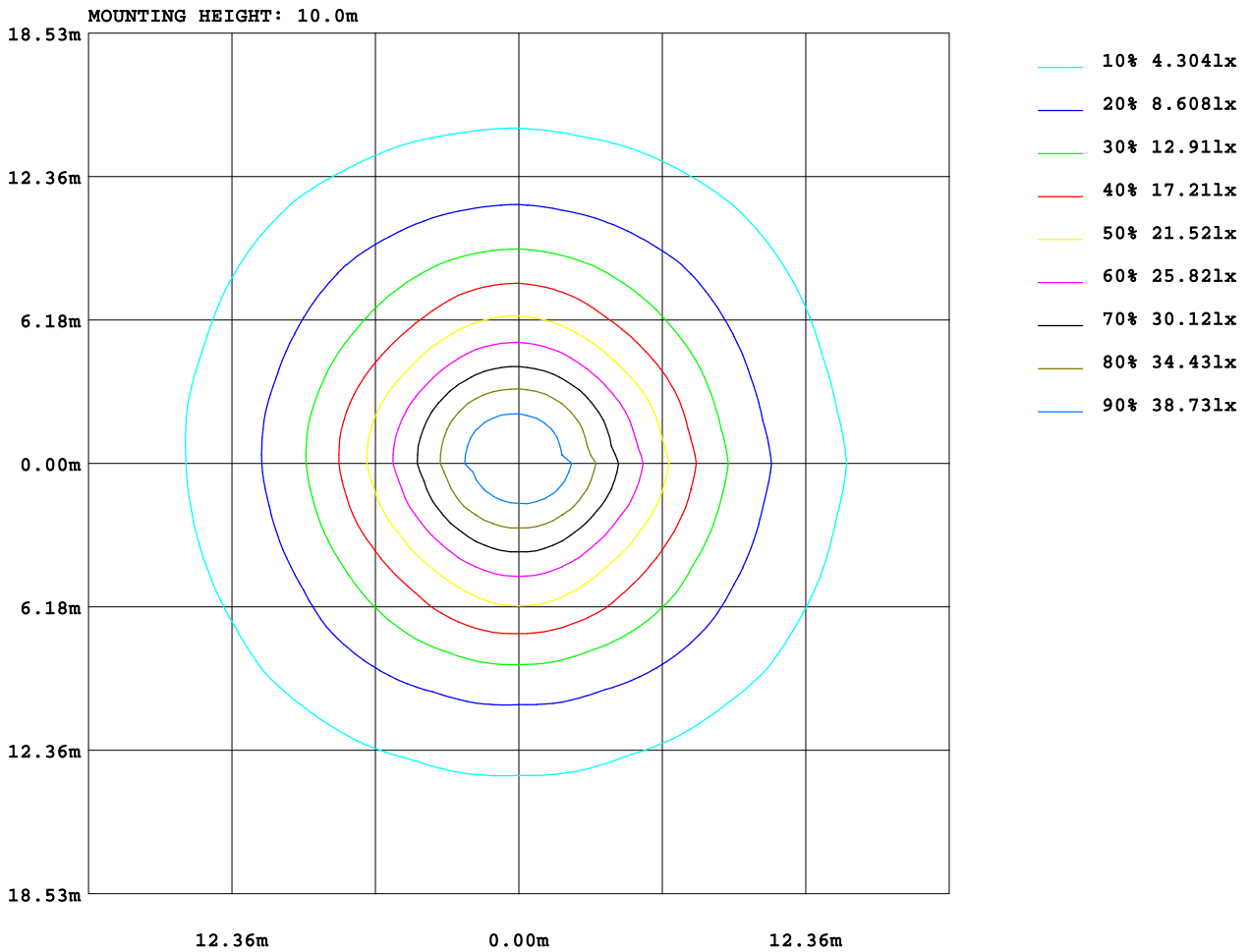
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 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:					
NAME: LED Flood Light	TYPE:			WEIGHT:		
SPECIFICATION:100W	DIMENSION:			SERIAL No.:		

VERTICAL (DEG)	AREA FLUX DIAGRAM																	UNIT:lm		Φ t	Φ a					
	0.02	0.07	0.14	0.31	0.61	0.98	1.14	1.02	1.04	0.89	0.73	0.62	0.38	0.24	0.16	0.11	0.06	0.03	8.58	0.00						
90	0.02	0.07	0.14	0.31	0.61	0.98	1.14	1.02	1.04	0.89	0.73	0.62	0.38	0.24	0.16	0.11	0.06	0.03	8.58	0.00						
80	0.03	0.13	1.11	3.68	7.44	10.9	12.6	13.4	14.0	13.3	12.1	11.0	8.19	4.26	1.47	0.23	0.07	0.03	114	66.8						
70	0.03	0.64	4.05	11.0	20.8	29.7	37.0	42.2	44.7	43.3	39.7	33.7	25.6	15.8	7.09	1.83	0.12	0.03	358	348						
60	0.03	1.42	7.51	20.1	33.8	48.1	59.6	67.3	70.9	69.9	64.8	55.7	43.1	29.0	14.5	4.44	0.45	0.03	591	586						
50	0.05	2.35	11.5	27.7	45.2	63.8	77.9	87.8	93.3	92.2	85.2	74.1	58.5	39.9	22.6	7.40	0.95	0.03	791	787						
40	0.08	3.20	14.7	32.7	53.2	73.3	88.3	99.8	107	105	96.7	84.7	68.4	47.7	27.9	10.4	1.55	0.04	916	913						
30	0.11	3.70	17.2	36.6	58.6	79.7	94.8	107	114	113	104	91.2	75.0	53.0	31.8	12.8	2.20	0.04	995	993						
	0.13	4.02	18.5	39.6	63.3	85.9	103	116	123	122	113	98.5	80.9	57.6	35.0	14.9	2.72	0.05	1078	1076						
	0.15	4.01	18.6	40.5	65.7	89.4	107	121	128	126	117	103	85.5	61.7	37.7	16.6	3.00	0.05	1126	1124						
	0.14	3.79	18.1	39.7	64.2	87.0	104	118	125	126	118	103	85.7	61.7	37.6	16.6	2.94	0.05	1112	1110						
	0.10	3.39	16.8	37.4	60.1	81.4	96.4	109	117	117	109	95.9	79.9	57.5	34.9	14.9	2.53	0.04	1034	1031						
-30	0.07	2.75	14.5	33.9	54.8	74.5	89.0	101	108	108	100	88.9	73.4	52.4	31.7	12.6	1.88	0.04	948	945						
-40	0.04	1.99	11.1	28.6	48.0	67.6	82.3	93.1	100	99.9	92.6	81.6	65.6	45.2	26.7	9.71	1.19	0.03	856	852						
-50	0.03	1.29	7.32	21.2	38.4	54.8	68.2	76.1	81.0	80.4	74.5	65.5	51.2	35.1	19.2	6.28	0.62	0.03	682	677						
-60	0.02	0.63	4.35	13.2	26.5	38.2	48.8	54.8	58.0	57.5	53.1	45.9	34.6	23.0	10.4	3.06	0.19	0.03	473	465						
-70	0.02	0.18	1.79	5.97	12.1	19.6	25.9	28.9	30.1	29.4	26.5	22.1	15.5	8.94	3.56	0.72	0.09	0.02	232	214						
-80	0.02	0.08	0.28	1.09	2.50	4.09	5.49	6.00	6.18	5.80	4.88	3.78	2.39	1.12	0.34	0.15	0.08	0.02	44.3	6.49						
-90	0.02	0.08	0.12	0.18	0.23	0.27	0.31	0.33	0.33	0.33	0.34	0.32	0.28	0.23	0.18	0.13	0.08	0.02	3.79	0.00						
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	1.07	33.7	168	394	656	910	1101	1244	1322	1311	1213	1060	855	595	343	133	20.7	0.62	11510							
Φ a	0.00	18.5	157	384	647	901	1092	1233	1312	1301	1203	1051	845	585	333	121	8.22	0.00		11193						

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

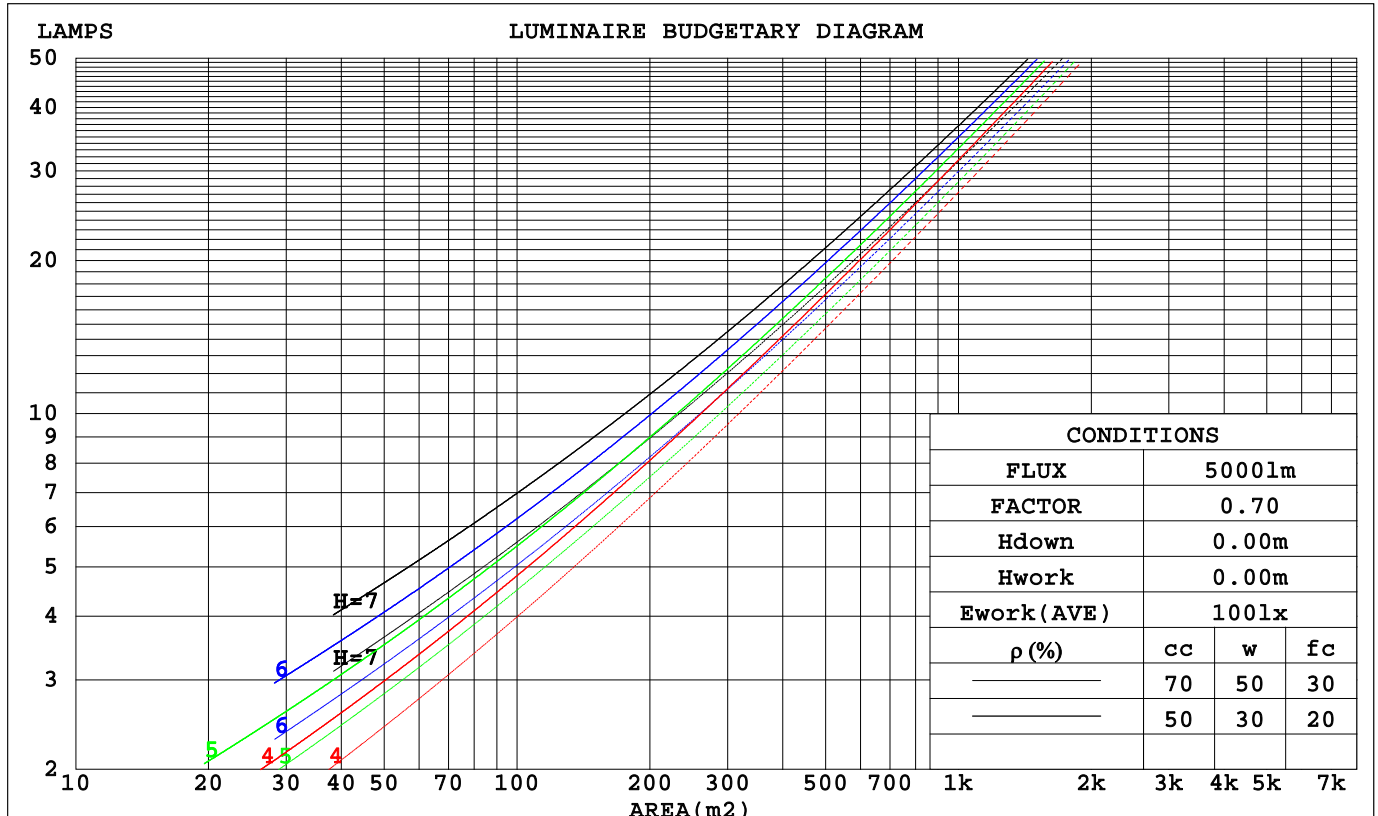
LED Flood Light

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: LED Flood Light				TYPE:				WEIGHT:			
SPECIFICATION:100W				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	1.01	.98	1.03	.99	.96	.98	.96	.93	.94	.92	.90	.91	.89	.87	.85														
2.0	.92	.86	.81	.90	.85	.80	.87	.82	.78	.83	.79	.76	.80	.77	.74	.72														
3.0	.81	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.64	.71	.67	.63	.61														
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.64	.58	.54	.52														
5.0	.65	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.52	.47	.45														
6.0	.58	.49	.43	.57	.49	.43	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39														
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35														
8.0	.48	.40	.34	.47	.39	.34	.46	.39	.33	.44	.38	.33	.43	.37	.33	.31														
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28														
10.0	.41	.33	.28	.40	.33	.27	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25														



Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
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Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

WEC AND CCEC

Report number:

MANUFACTURER:	Address:					
NAME: LED Flood Light	TYPE:			WEIGHT:		
SPECIFICATION:100W	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	.277	.157	.050	.269	.154	.049	.255	.146	.047	.243	.140	.045	.231	.134	.043	
2.0	.269	.148	.045	.263	.145	.045	.251	.139	.043	.240	.134	.042	.229	.130	.041	
3.0	.254	.135	.041	.249	.133	.040	.238	.129	.039	.228	.125	.038	.219	.121	.037	
4.0	.238	.124	.036	.233	.122	.036	.223	.118	.035	.214	.115	.035	.206	.112	.034	
5.0	.222	.113	.033	.218	.112	.033	.209	.109	.032	.201	.106	.032	.194	.103	.031	
6.0	.207	.104	.030	.203	.103	.030	.196	.100	.029	.188	.098	.029	.182	.096	.028	
7.0	.194	.096	.027	.190	.095	.027	.183	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.172	.086	.025	.167	.084	.024	.161	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.161	.077	.021	.158	.076	.021	.153	.075	.021	.149	.074	.021	.144	.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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.188	.166	.147	.161	.143	.126	.110	.098	.087	.063	.057	.051	.020	.018	.016	
2.0	.179	.142	.111	.153	.122	.096	.105	.085	.067	.061	.049	.039	.019	.016	.013	
3.0	.171	.124	.086	.147	.107	.075	.101	.074	.053	.058	.043	.031	.019	.014	.010	
4.0	.164	.111	.070	.141	.096	.061	.097	.067	.043	.056	.039	.025	.018	.013	.008	
5.0	.157	.100	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
6.0	.150	.092	.050	.129	.080	.044	.089	.056	.031	.052	.033	.018	.017	.011	.006	
7.0	.144	.085	.044	.124	.074	.038	.085	.052	.027	.050	.030	.016	.016	.010	.005	
8.0	.137	.079	.039	.118	.069	.034	.082	.048	.024	.048	.028	.014	.015	.009	.005	
9.0	.132	.074	.036	.113	.065	.031	.079	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.126	.070	.033	.109	.061	.029	.075	.043	.020	.044	.025	.012	.014	.008	.004	

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

Uncorrected UGR Table

Report number:

MANUFACTURER:						Address:				
NAME: LED Flood Light						TYPE:			WEIGHT:	
SPECIFICATION:100W						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	21.3	22.7	21.6	23.0	23.2	20.7	22.1	20.9	22.3	22.6
3H	22.1	23.5	22.4	23.7	24.0	21.2	22.5	21.5	22.8	23.0
4H	22.2	23.4	22.5	23.7	24.0	21.2	22.4	21.5	22.7	23.0
6H	22.1	23.3	22.5	23.6	23.9	21.1	22.3	21.4	22.6	22.9
8H	22.1	23.2	22.4	23.5	23.8	21.0	22.2	21.4	22.5	22.8
12H	22.0	23.1	22.4	23.4	23.7	21.0	22.1	21.3	22.4	22.7
4H 2H	21.6	22.9	22.0	23.2	23.5	21.1	22.4	21.5	22.7	22.9
3H	22.5	23.6	22.9	24.0	24.3	21.7	22.8	22.1	23.1	23.5
4H	22.6	23.6	23.0	24.0	24.3	21.7	22.7	22.1	23.1	23.4
6H	22.6	23.5	23.0	23.8	24.2	21.6	22.5	22.1	22.9	23.3
8H	22.5	23.4	23.0	23.7	24.2	21.6	22.4	22.0	22.8	23.2
12H	22.5	23.2	22.9	23.6	24.1	21.6	22.3	22.0	22.7	23.1
8H 4H	22.6	23.4	23.0	23.8	24.2	21.7	22.5	22.1	22.9	23.3
6H	22.5	23.2	23.0	23.6	24.1	21.6	22.3	22.1	22.7	23.2
8H	22.5	23.1	23.0	23.5	24.0	21.6	22.2	22.1	22.6	23.1
12H	22.5	23.0	22.9	23.4	23.9	21.5	22.0	22.0	22.5	23.0
12H 4H	22.5	23.3	23.0	23.7	24.1	21.7	22.4	22.1	22.8	23.2
6H	22.5	23.1	23.0	23.5	24.0	21.6	22.2	22.1	22.6	23.1
8H	22.5	23.0	22.9	23.4	23.9	21.5	22.0	22.0	22.5	23.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.4 / - 0.5					+ 0.5 / - 0.6				
1.5H	+ 0.5 / - 0.4					+ 0.4 / - 0.5				
2.0H	+ 0.5 / - 0.8					+ 0.5 / - 0.9				

CIE Pub.117 Corrected 11510 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.5)

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: LED Flood Light	TYPE:	WEIGHT:	
SPECIFICATION:100W	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	58	47	40	57	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	50	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	68	81	72	67	59
1.50	90	80	74	88	79	73	85	78	72	65
2.00	97	89	83	95	87	82	91	85	80	72
2.50	100	93	88	98	92	87	94	89	85	76
3.00	104	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	101	107	103	100	102	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:2019年10月24日

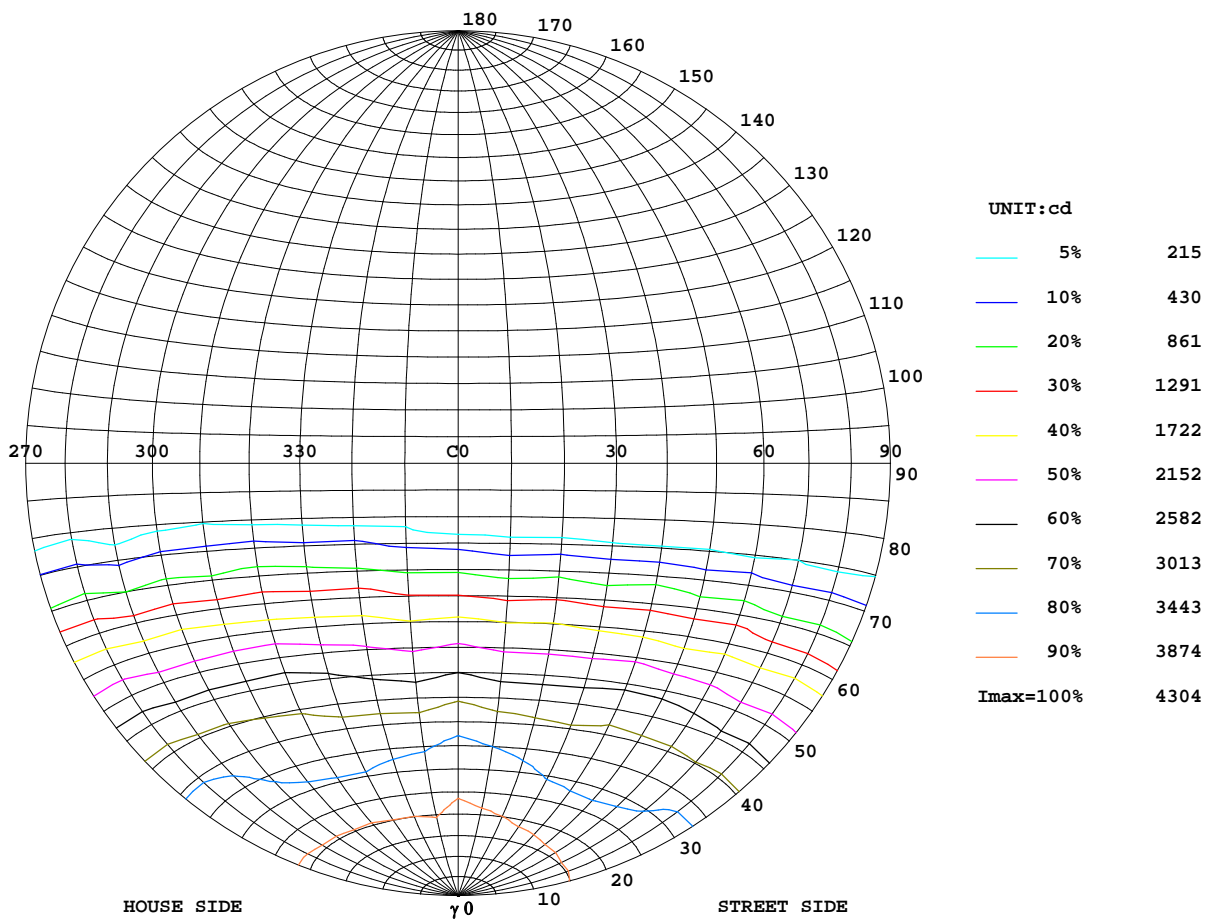
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

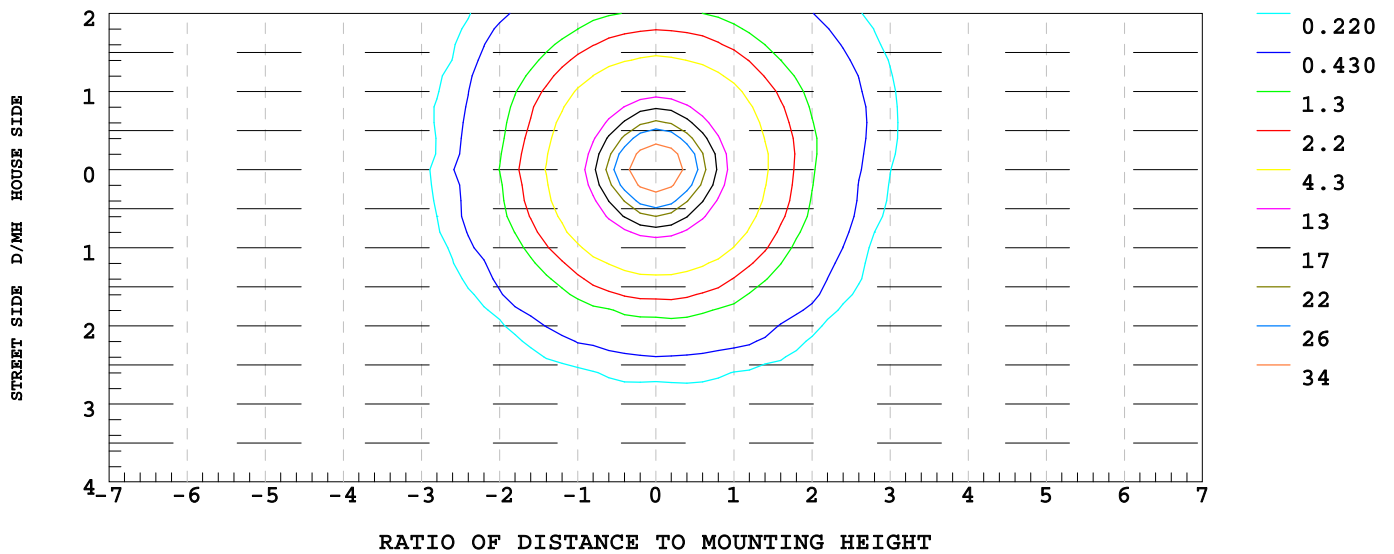
LED Flood Light

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 43.04 lx



Test System:HOPPO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

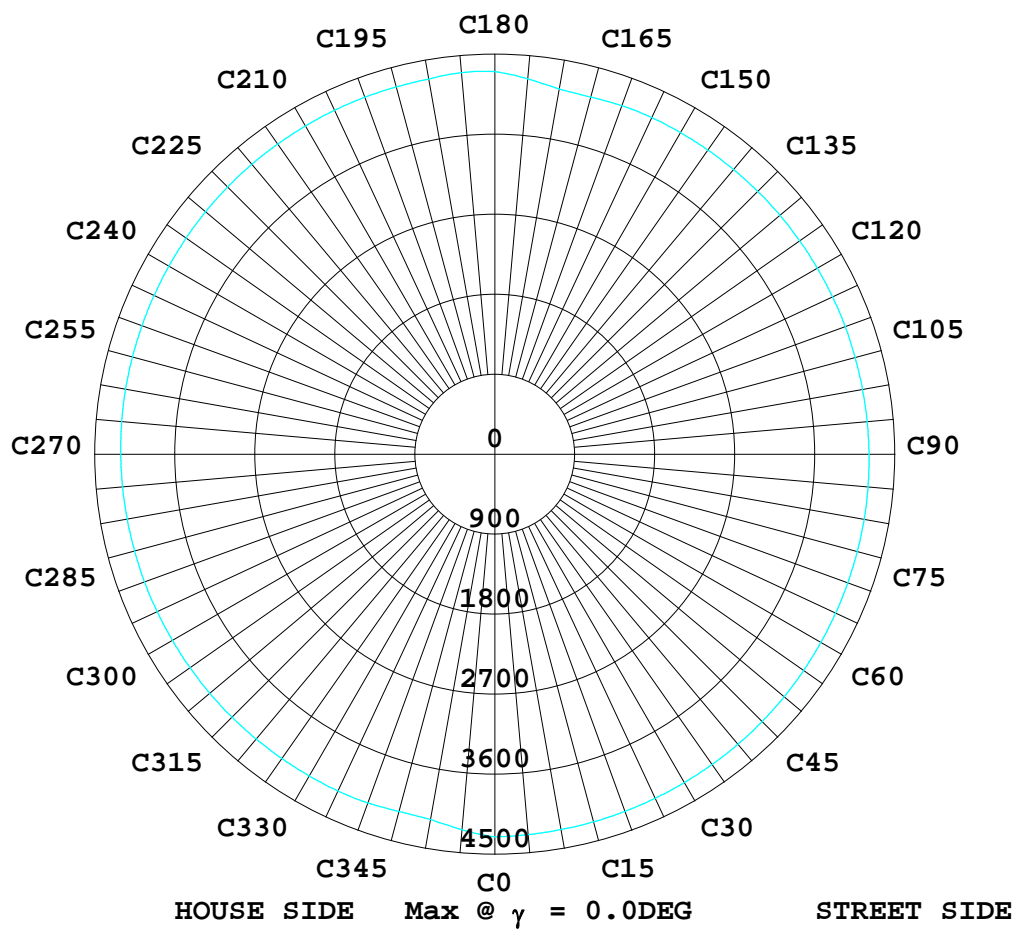
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:



Test System:HOP00 HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C(DEG)														
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140
0.0	4304	4288	4276	4265	4258	4247	4235	4226	4219	4210	4200	4195	4189	4186	4181
5.0	4289	4269	4253	4238	4228	4207	4199	4181	4174	4161	4161	4152	4157	4154	4162
10.0	4235	4206	4189	4155	4135	4103	4093	4065	4058	4037	4045	4040	4063	4068	4090
15.0	4123	4085	4057	4011	3987	3937	3921	3891	3886	3871	3882	3880	3912	3928	3974
20.0	3975	3923	3878	3807	3768	3729	3732	3722	3730	3715	3725	3718	3736	3742	3786
25.0	3839	3767	3700	3594	3558	3532	3552	3552	3576	3572	3576	3559	3563	3545	3580
30.0	3726	3632	3533	3421	3383	3348	3386	3435	3493	3502	3485	3428	3388	3363	3393
35.0	3546	3440	3344	3256	3217	3211	3281	3307	3350	3350	3362	3313	3266	3195	3226
40.0	3280	3156	3095	3045	3072	3072	3062	3025	3053	3040	3073	3057	3093	3074	3066
45.0	2960	2828	2800	2784	2857	2820	2767	2687	2702	2676	2728	2735	2825	2875	2901
50.0	2578	2453	2439	2458	2495	2450	2383	2263	2280	2252	2308	2336	2471	2571	2602
55.0	2199	2085	2083	2060	2064	1963	1974	1903	1926	1897	1953	1959	2058	2117	2224
60.0	1812	1710	1731	1664	1607	1533	1594	1530	1561	1527	1593	1604	1697	1678	1798
65.0	1297	1210	1249	1225	1197	1185	1048	1092	1048	963	1083	1130	1249	1277	1332
70.0	657	667	633	659	588	564	606	500	537	508	564	584	640	755	885
75.0	342	241	301	238	243	222	199	216	175	204	194	223	310	306	410
80.0	40.2	26.4	32.5	25.4	22.7	8.95	17.2	9.78	17.0	8.73	17.0	9.03	18.8	43.1	97.9
85.0	12.7	7.21	13.7	7.78	13.8	8.30	14.0	8.89	13.9	7.73	13.8	8.30	14.3	7.43	14.2
90.0	11.4	7.70	12.7	8.27	12.1	8.86	13.0	8.73	12.5	7.65	12.4	8.13	12.9	6.84	12.5
95.0	12.3	9.86	13.9	11.0	13.7	11.2	14.0	10.2	13.1	9.08	12.9	9.92	13.3	9.11	13.1
100.0	14.7	12.8	16.3	14.1	16.4	13.6	15.7	12.9	15.1	12.3	14.7	12.0	14.9	12.2	15.0
105.0	17.7	16.3	19.0	17.2	19.2	16.6	18.4	16.0	18.0	15.7	17.6	15.2	17.4	15.3	18.2
110.0	21.0	19.7	21.5	19.7	21.6	19.4	21.0	19.1	20.8	19.0	20.6	18.4	20.1	18.1	20.6
115.0	24.1	22.6	24.4	22.2	23.6	21.8	23.3	21.9	23.3	21.8	23.0	21.3	22.4	20.6	22.3
120.0	26.7	25.1	26.6	25.1	25.6	23.9	25.3	24.1	25.4	24.2	25.1	23.6	24.8	23.0	24.4
125.0	29.3	27.6	28.7	27.5	28.2	26.3	27.4	26.2	27.5	26.6	27.2	25.9	27.0	25.5	26.9
130.0	31.8	30.0	30.7	29.5	30.3	29.0	29.3	28.2	29.6	28.8	29.1	27.8	29.0	28.0	29.0
135.0	33.9	32.3	32.5	31.5	32.2	31.0	31.3	30.3	31.4	30.8	30.9	29.9	30.8	29.8	30.7
140.0	35.9	34.4	34.5	33.4	33.9	32.8	33.2	32.4	33.4	32.7	32.8	31.6	32.4	31.5	32.3
145.0	37.8	36.3	36.2	35.2	35.5	34.5	35.0	34.5	35.2	34.5	34.5	33.4	34.0	33.3	34.0
150.0	39.3	37.9	37.6	36.6	37.0	36.2	36.7	36.3	36.8	35.8	36.0	34.8	35.4	34.8	35.6
155.0	41.0	39.5	38.9	37.9	38.4	37.9	38.5	38.2	38.7	37.4	37.5	36.3	36.6	36.3	37.3
160.0	42.6	41.4	40.5	39.5	39.7	39.4	40.2	40.1	40.5	38.9	39.1	38.0	38.1	37.8	38.8
165.0	44.3	43.3	42.6	41.5	41.5	41.2	42.0	42.2	42.3	41.1	40.9	40.3	40.2	39.8	40.5
170.0	46.1	45.2	44.9	44.0	43.7	43.3	44.0	44.1	44.3	43.2	42.7	42.5	42.7	42.2	42.5
175.0	47.8	46.7	46.5	45.7	45.5	44.8	45.1	44.8	45.6	44.9	44.2	43.5	44.1	43.7	44.1
180.0	48.4	47.2	46.9	46.3	46.3	45.6	45.5	45.1	45.6	45.7	44.9	44.1	44.5	44.4	44.8

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

UNIT: cd

γ (DEG)	C (DEG)														
	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290
0.0	4178	4176	4173	4304	4288	4276	4265	4258	4247	4235	4226	4219	4210	4200	4195
5.0	4161	4167	4166	4295	4284	4271	4261	4255	4243	4234	4222	4214	4207	4199	4194
10.0	4101	4124	4129	4252	4248	4243	4242	4236	4231	4214	4205	4188	4178	4164	4163
15.0	3990	4027	4041	4149	4156	4157	4169	4155	4145	4123	4113	4084	4075	4062	4060
20.0	3821	3874	3904	4016	4029	4031	4037	4016	4012	3978	3958	3929	3918	3899	3901
25.0	3622	3707	3751	3874	3891	3880	3862	3819	3808	3787	3795	3777	3774	3744	3724
30.0	3440	3553	3627	3763	3769	3734	3679	3615	3604	3617	3637	3634	3627	3593	3557
35.0	3274	3393	3479	3607	3624	3576	3504	3426	3419	3430	3506	3545	3548	3492	3417
40.0	3091	3176	3252	3366	3397	3353	3305	3254	3255	3307	3383	3395	3404	3344	3287
45.0	2844	2896	2956	3062	3091	3063	3070	3077	3122	3118	3122	3110	3108	3055	3034
50.0	2543	2567	2608	2704	2745	2721	2780	2855	2896	2829	2802	2756	2758	2699	2712
55.0	2197	2218	2250	2294	2374	2355	2456	2531	2554	2460	2425	2357	2357	2302	2336
60.0	1805	1831	1825	1882	1973	2000	2089	2107	2121	2045	2013	1943	1930	1892	1925
65.0	1289	1363	1364	1405	1568	1621	1713	1666	1663	1625	1577	1513	1519	1446	1471
70.0	792	753	812	873	1052	1197	1269	1210	1190	1195	998	901	961	858	956
75.0	413	372	361	436	597	635	670	707	670	576	522	436	451	367	475
80.0	88.3	118	86.7	180	233	242	296	281	304	230	192	180	162	162	158
85.0	6.70	14.2	6.75	6.13	19.6	21.4	28.7	33.2	25.3	15.0	20.1	5.48	13.1	5.54	13.2
90.0	7.30	12.2	6.62	5.38	11.1	5.73	12.1	5.84	11.7	5.29	10.5	4.94	10.3	5.05	10.4
95.0	9.40	12.7	8.40	6.62	10.7	6.51	11.1	6.43	10.8	6.08	10.0	5.86	9.97	6.08	10.3
100.0	12.3	14.6	11.2	9.19	12.0	8.67	12.1	8.51	11.8	8.19	11.1	7.92	11.1	8.19	11.7
105.0	15.4	17.2	14.0	12.2	14.5	11.6	14.3	11.3	14.0	10.8	13.3	10.6	13.3	11.0	14.0
110.0	17.8	19.9	17.3	15.5	17.0	14.7	16.8	14.3	16.4	13.8	15.8	13.7	15.9	14.0	16.1
115.0	20.7	22.3	20.2	18.6	19.6	17.5	19.1	17.1	18.8	16.8	18.5	16.8	18.8	17.0	18.8
120.0	23.2	24.3	22.8	21.5	22.0	20.0	21.6	19.8	21.5	19.7	21.1	19.7	21.7	19.8	21.5
125.0	25.4	26.4	25.3	24.4	24.6	22.7	23.9	22.7	23.9	22.5	23.6	22.8	24.5	22.8	23.9
130.0	27.6	28.5	27.9	27.4	27.3	25.5	26.3	25.2	26.4	25.2	26.2	25.7	27.2	25.5	26.3
135.0	29.6	30.5	30.2	30.0	29.9	28.2	28.6	27.6	28.5	27.5	28.5	28.2	29.5	28.0	28.5
140.0	31.6	32.5	32.3	32.5	32.4	30.9	30.9	30.0	30.8	29.9	30.7	30.6	31.8	30.5	30.7
145.0	33.5	34.4	34.2	34.6	34.5	33.4	33.4	32.5	33.0	32.2	32.9	32.8	33.7	32.6	32.9
150.0	35.4	36.3	35.9	36.6	36.9	36.0	35.8	34.8	35.0	34.2	34.8	34.7	35.5	34.9	35.2
155.0	37.3	38.3	38.0	38.8	39.3	38.4	38.0	36.8	36.8	36.2	36.8	36.9	37.5	37.4	37.5
160.0	39.0	40.3	40.0	41.1	41.5	40.6	39.8	38.7	38.8	38.5	39.0	39.0	39.6	39.7	39.7
165.0	40.8	42.1	42.1	43.3	43.6	42.5	41.8	40.9	41.0	40.9	41.3	40.9	41.7	41.8	41.5
170.0	42.6	43.7	43.9	45.5	45.5	44.5	43.9	43.3	43.5	43.3	43.3	42.6	43.7	43.5	43.0
175.0	43.6	44.6	45.1	47.6	47.0	45.8	45.5	45.1	45.2	44.6	44.5	44.2	45.4	44.3	43.9
180.0	44.4	44.9	45.2	48.4	47.5	46.7	46.6	46.1	45.9	45.4	45.4	45.3	45.9	44.6	44.4

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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

LED Flood Light

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:100W	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG)\ γ (DEG)	300	310	320	330	340	350
0.0	4189	4186	4181	4178	4176	4173
5.0	4186	4183	4173	4170	4161	4156
10.0	4156	4152	4136	4124	4103	4094
15.0	4051	4047	4032	4022	3988	3976
20.0	3889	3896	3877	3876	3854	3840
25.0	3685	3682	3680	3706	3713	3713
30.0	3505	3473	3483	3545	3583	3591
35.0	3315	3295	3295	3360	3395	3417
40.0	3186	3135	3109	3129	3129	3150
45.0	3002	2979	2903	2850	2809	2820
50.0	2702	2733	2642	2534	2446	2461
55.0	2333	2364	2282	2196	2090	2094
60.0	1903	1921	1870	1840	1734	1707
65.0	1459	1474	1432	1449	1312	1211
70.0	1017	1041	1043	911	804	635
75.0	503	545	489	477	366	318
80.0	206	172	186	127	84.5	35.8
85.0	5.54	13.5	5.73	13.1	5.97	12.4
90.0	5.00	10.7	5.65	10.8	5.81	10.7
95.0	6.24	10.7	6.97	11.0	7.30	11.2
100.0	8.67	12.2	9.27	12.4	9.54	12.8
105.0	11.6	14.5	12.1	14.8	12.5	15.5
110.0	14.4	16.9	15.0	17.3	15.7	18.2
115.0	17.2	19.4	17.8	19.8	18.4	20.7
120.0	20.1	21.9	20.4	22.1	20.9	23.1
125.0	22.9	24.2	22.9	24.4	23.6	25.6
130.0	25.4	26.6	25.3	26.7	26.2	28.0
135.0	27.6	28.7	27.7	28.8	28.4	30.2
140.0	29.8	30.8	30.2	31.2	30.7	32.2
145.0	32.1	32.9	32.3	33.2	32.7	34.0
150.0	34.4	34.9	34.3	34.8	34.3	35.6
155.0	36.7	36.8	35.8	36.0	35.7	36.9
160.0	38.6	38.3	37.3	37.6	37.6	38.8
165.0	40.2	39.9	39.1	39.9	39.8	40.5
170.0	42.1	41.9	41.6	42.2	42.3	42.7
175.0	43.2	43.8	43.6	44.2	44.0	44.7
180.0	44.2	44.7	44.5	44.8	44.6	45.5

Test System:HOPOO HPG1600
 Temperature:25.3DEG
 Operators:
 Test Date:2019年10月24日

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