

LED Flood Light

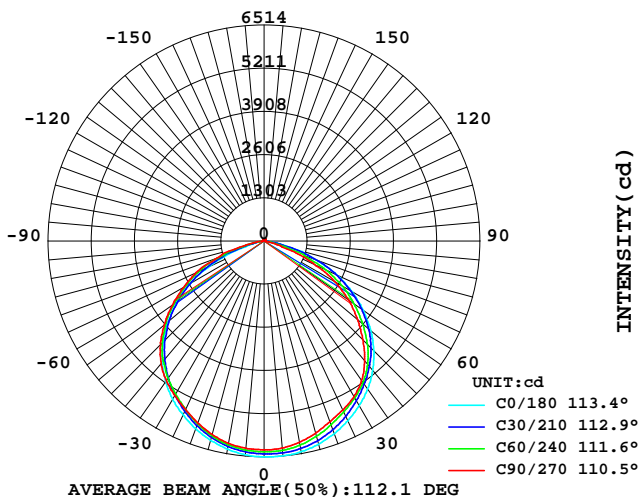
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

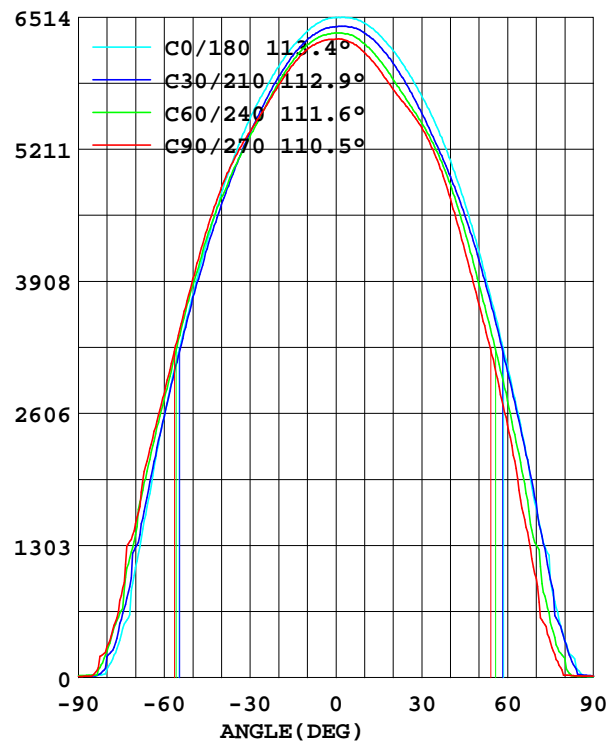
MANUFACTURER:	Address:		
NAME: LED Flood Light	TYPE:	WEIGHT:	
SPECIFICATION:150W	DIMENSION:	SERIAL No.:	

DATA OF LAMP		I _{max} (cd)	6514	S/MH(C0/180)	1.26
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.28
NOMINAL POWER(W)	148	TOTAL FLUX(lm)	17455	Voltage(V)	218.1
RATED VOLTAGE(V)	218	EFFICIENCY(lm/W)	118.5	Current(A)	0.683
NOMINAL FLUX(lm)	17454.7	η up(%)	1.2	Power(W)	147.3
LAMPS QUANTITY	1	η down(%)	98.8	Power Factor(PF)	0.988
TEST VOLTAGE(V)	218.1	Effective Flux(lm)	16947.4	EEI	0.118

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:150W	DIMENSION:	SERIAL No.:

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

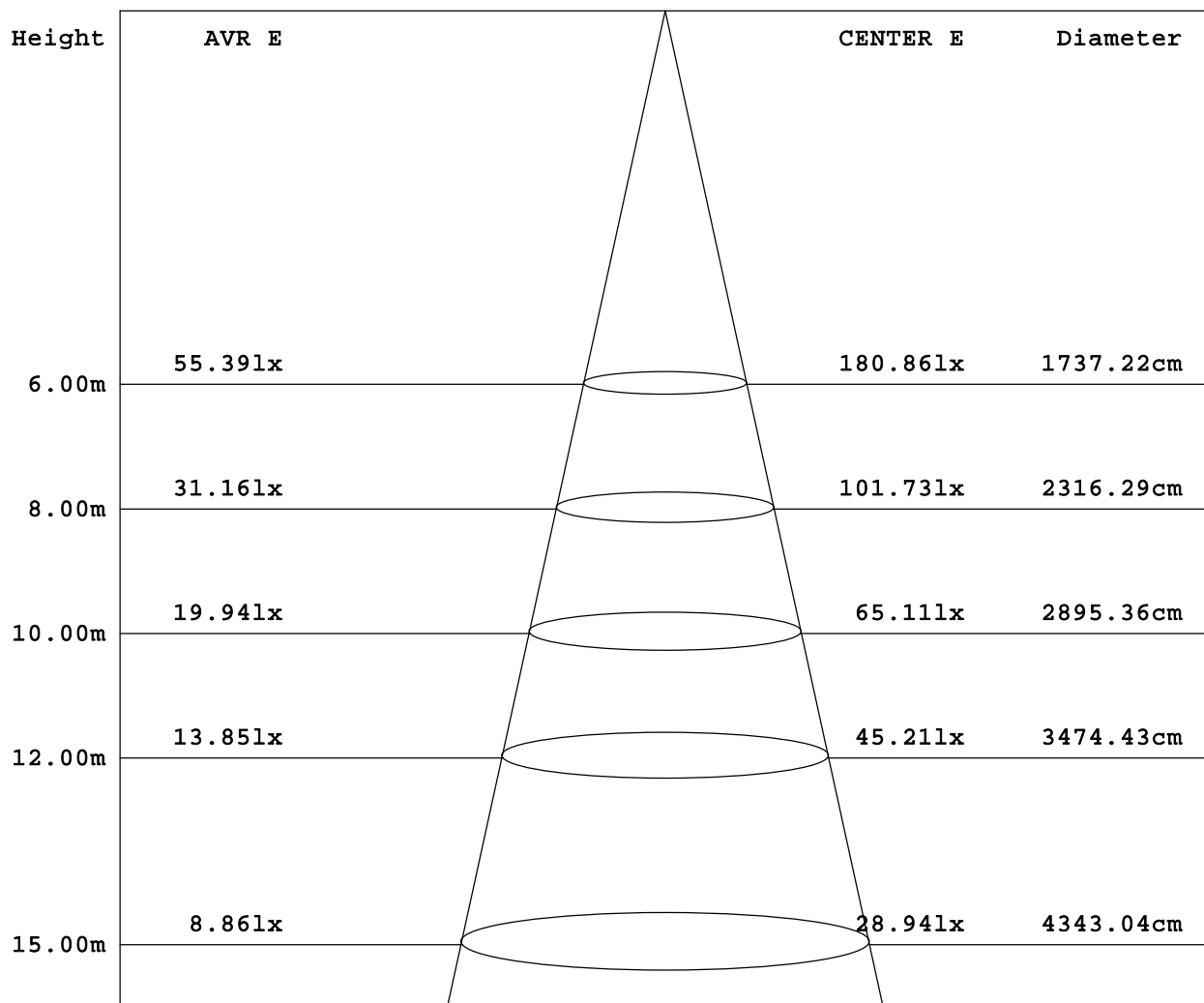
Test Set: 8.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:5.200 m
Remarks:

LED Flood Light

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	DIMENSION:	SERIAL No.:



Angle:110.7deg

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:150W	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	zone	total
5.0	6474	6354	6277	6227	6507	6377	6267	6192	0- 5	150.9	150.9
10.0	6376	6264	6198	6184	6454	6306	6165	6087	5- 10	448.0	599.0
15.0	6228	6105	6042	6072	6346	6165	6004	5913	10- 15	729.5	1329
20.0	6024	5888	5845	5902	6182	5975	5803	5684	15- 20	985.6	2314
25.0	5789	5627	5609	5683	5984	5747	5627	5430	20- 25	1210	3524
30.0	5513	5328	5383	5416	5735	5489	5425	5143	25- 30	1399	4923
35.0	5173	5013	5146	5130	5449	5210	5130	4843	30- 35	1549	6472
40.0	4781	4669	4833	4828	5103	4908	4727	4502	35- 40	1648	8120
45.0	4301	4280	4419	4488	4686	4525	4220	4062	40- 45	1687	9807
50.0	3764	3812	3935	4090	4201	4050	3679	3526	45- 50	1656	11463
55.0	3207	3264	3378	3616	3659	3504	3140	2951	50- 55	1558	13021
60.0	2579	2667	2800	3051	3068	2880	2492	2316	55- 60	1392	14413
65.0	1814	2010	2258	2390	2414	2222	1673	1657	60- 65	1160	15572
70.0	1086	1418	1518	1770	1676	1556	979.4	934.7	65- 70	861.4	16434
75.0	428.6	615.0	811.2	1142	956.7	686.3	352.6	312.7	70- 75	515.6	16949
80.0	83.95	206.5	307.7	474.2	362.5	232.2	23.98	26.68	75- 80	218.3	17168
85.0	20.46	21.32	19.92	156.4	64.49	22.91	16.62	13.66	80- 85	59.90	17228
90.0	17.73	16.25	12.00	16.06	10.46	13.42	14.79	13.62	85- 90	10.79	17238
95.0	19.57	17.21	12.70	14.54	10.38	14.53	16.60	15.81	90- 95	8.124	17247
100.0	23.28	20.49	16.52	17.31	13.76	17.10	19.49	18.72	95-100	9.151	17256
105.0	27.98	24.59	21.09	21.32	18.03	20.65	23.38	22.41	100-105	10.89	17267
110.0	32.50	28.35	25.36	24.89	22.22	24.26	27.31	26.12	105-110	12.69	17279
115.0	36.44	31.86	29.17	28.25	26.47	27.87	31.12	29.68	110-115	14.20	17294
120.0	40.34	35.55	32.42	32.02	30.85	31.79	35.20	33.20	115-120	15.39	17309
125.0	44.12	39.09	35.90	35.63	35.15	35.58	38.93	36.80	120-125	16.28	17325
130.0	47.61	42.03	39.69	38.69	39.58	38.92	42.02	40.22	125-130	16.81	17342
135.0	50.78	44.95	42.85	41.26	43.53	42.22	45.15	43.34	130-135	16.94	17359
140.0	53.56	47.64	45.40	43.96	46.77	45.49	48.13	46.30	135-140	16.63	17376
145.0	55.89	50.17	47.94	46.69	49.99	48.63	50.42	49.00	140-145	15.93	17392
150.0	58.21	52.90	50.97	49.23	53.37	51.65	52.72	51.52	145-150	14.87	17406
155.0	60.21	55.44	53.80	51.86	56.40	54.24	55.16	53.47	150-155	13.45	17420
160.0	62.21	57.74	56.62	54.53	59.75	56.85	57.97	55.39	155-160	11.71	17432
165.0	64.54	60.58	59.73	57.79	63.05	59.81	60.86	57.85	160-165	9.665	17441
170.0	66.78	63.54	62.73	61.13	66.27	62.94	63.43	60.78	165-170	7.298	17449
175.0	68.84	65.27	64.67	63.00	68.49	65.19	65.73	62.93	170-175	4.567	17453
180.0	69.35	66.18	65.92	63.94	69.62	66.16	65.97	63.93	175-180	1.553	17455
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

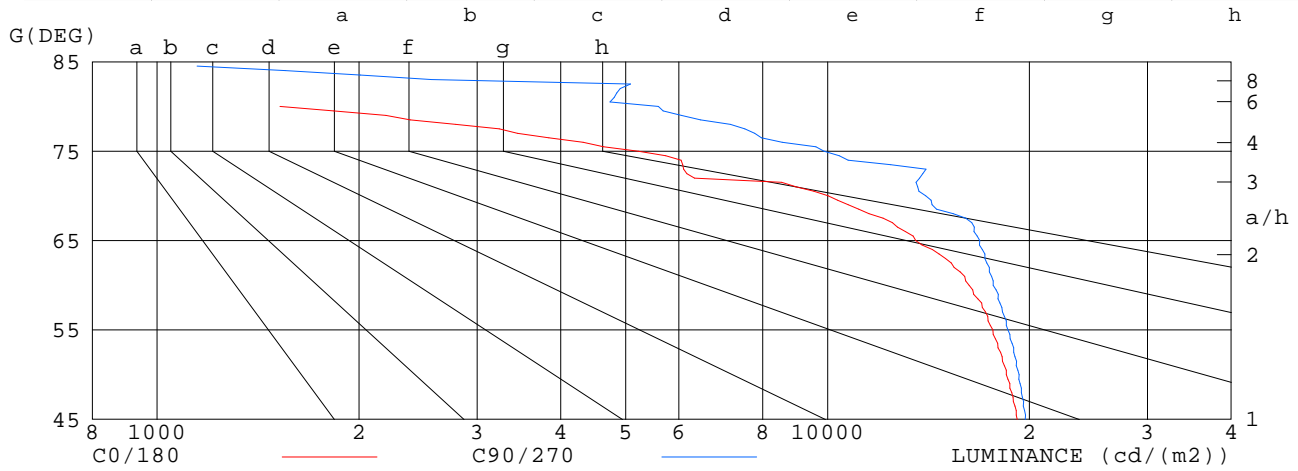
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
		2000	1000	500	<=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	741	721
80	1525	5590
75	5225	9888
70	10018	13999
65	13539	16856
60	16270	17667
55	17640	18580
50	18472	19311
45	19188	19714

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

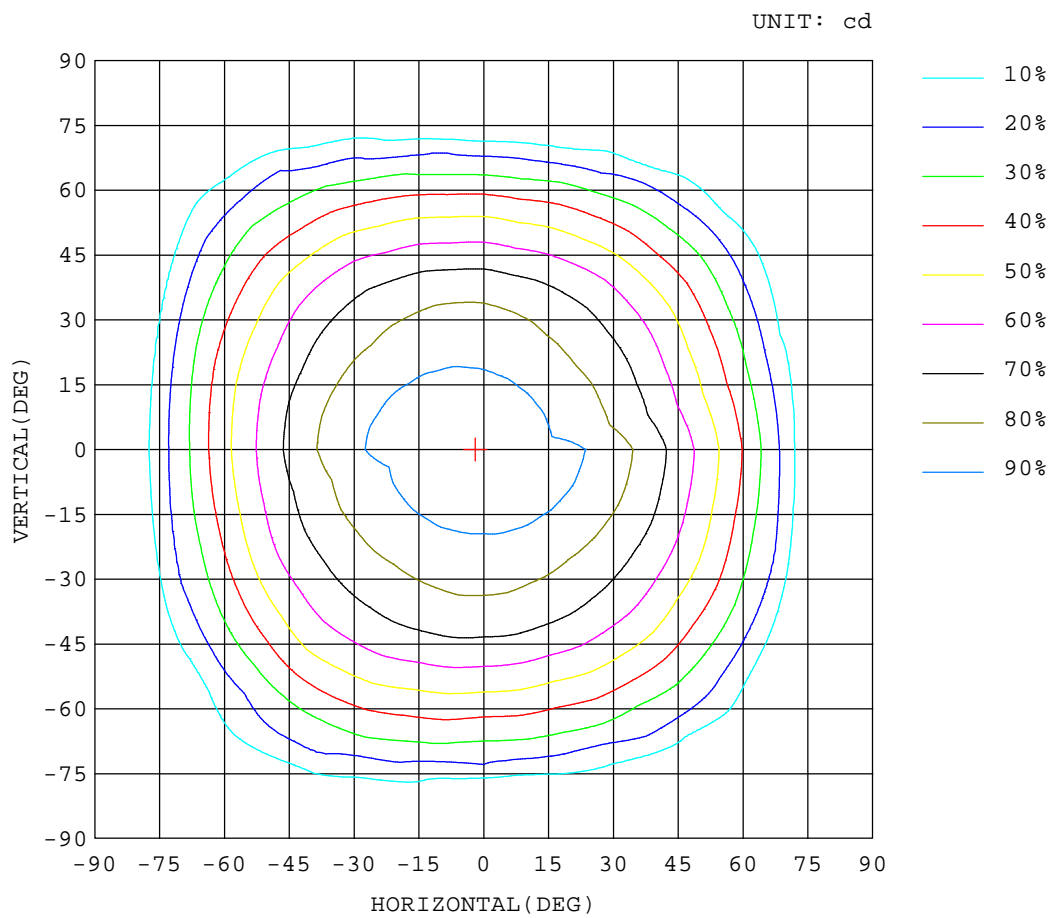
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 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	DIMENSION:	SERIAL No.:



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

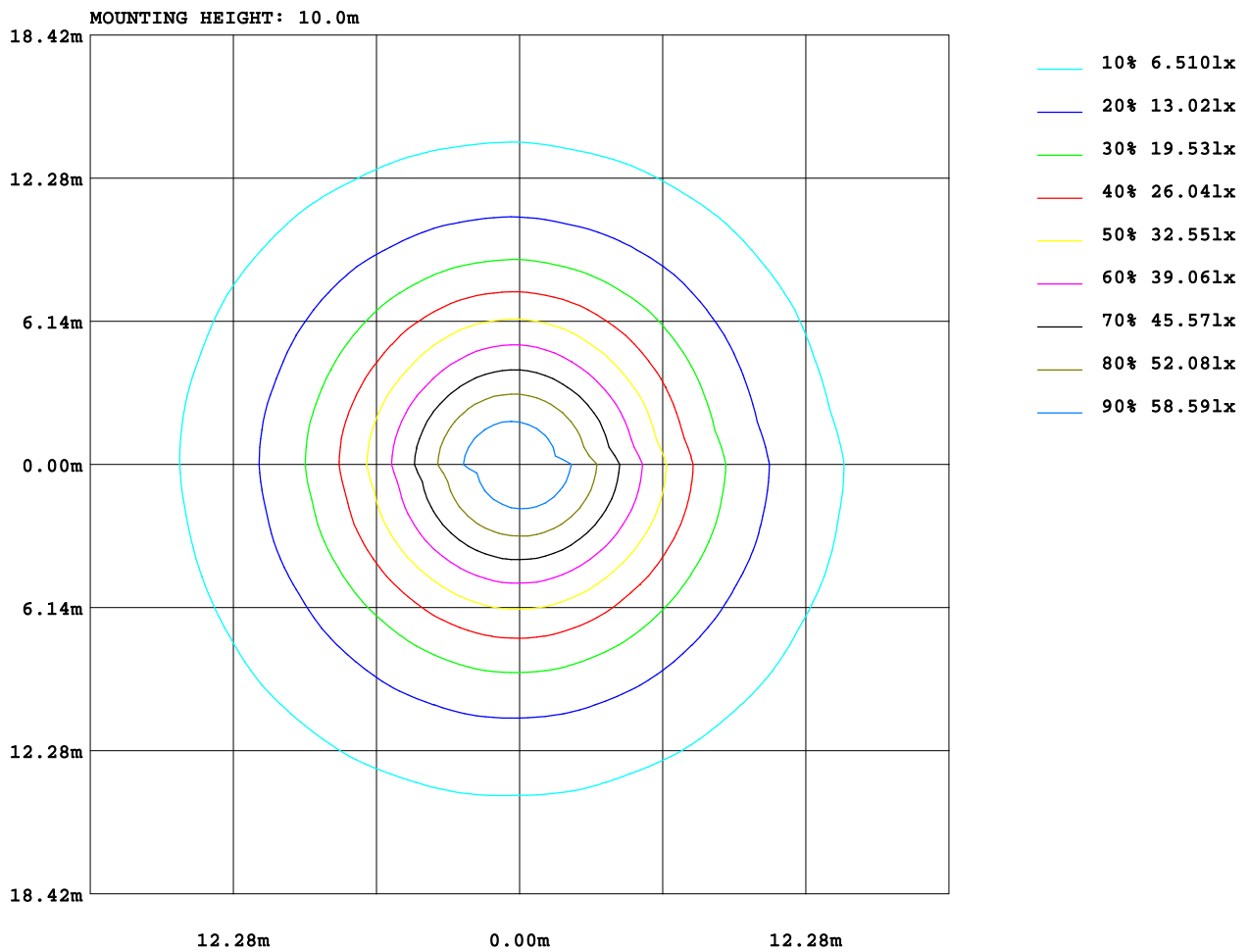
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	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

AREA LUMINOUS FLUX

Report number:

MANUFACTURER:	Address:					
NAME: LED Flood Light	TYPE:			WEIGHT:		
SPECIFICATION:150W	DIMENSION:			SERIAL No.:		

		AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a						
VERTICAL (DEG)	90	0.04	0.13	0.24	0.36	0.46	0.47	0.46	0.43	0.44	0.43	0.42	0.39	0.35	0.29	0.22	0.16	0.10	0.04	5.45	0.00						
	80	0.05	0.29	1.63	3.92	6.67	9.35	10.8	11.2	11.3	10.1	8.28	6.53	3.96	1.75	0.51	0.20	0.11	0.04	86.9	17.6						
	70	0.06	1.31	5.39	13.9	25.7	36.5	44.9	50.8	52.3	49.8	43.8	34.5	23.8	12.5	4.93	0.92	0.13	0.05	402	372						
	60	0.12	2.62	11.3	27.5	45.9	64.5	79.5	90.0	94.0	91.6	83.5	69.0	51.5	32.1	14.2	3.78	0.28	0.05	762	749						
	50	0.22	4.11	17.6	39.5	63.6	87.9	108	122	128	125	115	97.3	74.4	49.6	25.9	7.75	0.86	0.05	1066	1058						
	40	0.32	5.73	23.0	48.8	78.0	107	130	147	155	152	140	120	92.9	63.8	35.1	12.4	1.65	0.05	1312	1306						
	30	0.39	7.08	27.5	55.8	88.0	119	144	162	171	168	154	133	106	73.7	42.8	16.2	2.51	0.06	1472	1467						
		0.44	8.00	30.2	61.1	95.5	128	155	174	182	179	165	143	115	81.0	48.5	20.1	3.23	0.06	1590	1586						
		0.47	8.45	31.3	63.6	100	134	163	183	192	186	173	152	123	88.5	53.9	23.2	3.83	0.07	1681	1677						
		0.45	8.30	30.8	63.1	98.8	132	159	179	188	191	180	158	127	91.5	55.4	23.9	3.93	0.07	1691	1688						
		0.41	7.57	28.7	59.8	94.2	126	152	172	182	182	171	150	122	87.3	52.5	22.2	3.45	0.06	1614	1610						
	-30	0.35	6.38	25.4	54.7	87.5	117	142	160	170	169	158	139	112	80.1	47.8	19.2	2.71	0.06	1491	1487						
	-40	0.28	4.67	21.2	47.1	77.5	106	129	146	155	154	144	125	99.4	69.5	40.6	15.2	1.85	0.05	1337	1332						
	-50	0.18	3.17	15.4	37.1	64.7	90.7	112	126	134	132	122	105	82.2	56.3	30.9	10.0	1.13	0.05	1124	1116						
	-60	0.10	1.91	9.30	25.8	47.8	69.6	87.2	98.0	103	102	93.0	79.5	60.4	40.3	19.9	5.37	0.50	0.04	844	832						
	-70	0.06	0.89	4.80	15.1	30.9	45.6	58.8	66.1	68.7	66.6	60.0	49.8	36.6	21.5	8.75	2.07	0.18	0.04	537	518						
	-80	0.04	0.31	1.63	5.61	11.5	18.7	24.4	26.9	27.1	25.5	22.0	17.0	10.8	5.54	1.89	0.38	0.15	0.04	200	129						
	-90	0.03	0.14	0.34	0.88	1.92	2.77	3.33	3.23	2.87	2.43	2.03	1.42	0.77	0.46	0.33	0.23	0.14	0.04	23.3	0.00						
		-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)										20	30	40	50	60	70	80	90
Φ t	3.97	71.1	286	624	1019	1396	1704	1918	2017	1988	1836	1580	1242	856	485	184	26.7	0.94	17455								
Φ a	0.00	47.2	267	607	1003	1381	1688	1903	2000	1971	1819	1563	1224	839	466	162	6.02	0.00		16947							

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:

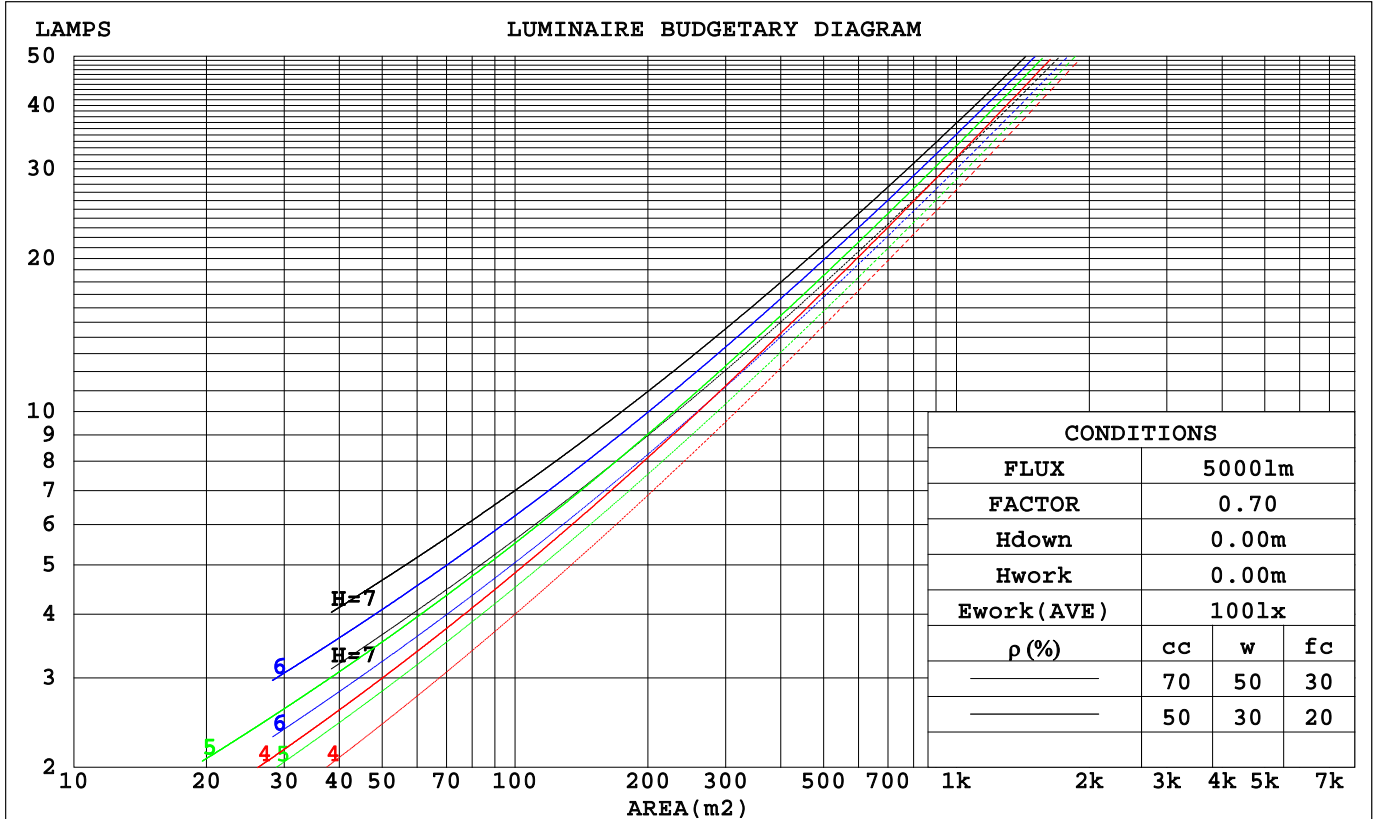
LED Flood Light

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER:				Address:							
NAME: LED Flood Light				TYPE:				WEIGHT:			
SPECIFICATION:150W				DIMENSION:				SERIAL No.:			

ρcc	80%			70%			50%			30%			10%			0														
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%															
ρw	20%			20%			20%			20%			20%			0														
ρfc	20%			20%			20%			20%			20%																	
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	.95	.93	.94	.92	.90	.91	.89	.87	.85														
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.75	.80	.77	.74	.71														
3.0	.81	.73	.67	.80	.72	.67	.76	.70	.65	.74	.68	.64	.71	.67	.63	.61														
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52														
5.0	.64	.56	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.51	.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	.43	.38	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35														
8.0	.48	.40	.34	.47	.39	.34	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31														
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28														
10.0	.40	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25														



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

WEC AND CCEC

Report number:

MANUFACTURER:	Address:					
NAME: LED Flood Light	TYPE:			WEIGHT:		
SPECIFICATION:150W	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	.280	.159	.050	.272	.155	.049	.259	.148	.047	.246	.142	.046	.234	.136	.044	
2.0	.272	.149	.046	.265	.146	.045	.253	.141	.044	.242	.136	.042	.231	.131	.041	
3.0	.256	.136	.041	.250	.134	.040	.239	.130	.039	.229	.126	.039	.220	.122	.038	
4.0	.239	.124	.037	.234	.122	.036	.224	.119	.036	.215	.116	.035	.207	.113	.034	
5.0	.223	.114	.033	.218	.112	.033	.210	.109	.032	.202	.106	.032	.194	.104	.031	
6.0	.208	.104	.030	.204	.103	.030	.196	.101	.029	.189	.098	.029	.182	.096	.028	
7.0	.194	.096	.027	.191	.095	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026	
8.0	.182	.089	.025	.179	.088	.025	.173	.086	.025	.167	.085	.024	.161	.083	.024	
9.0	.171	.083	.023	.168	.082	.023	.163	.080	.023	.157	.079	.023	.152	.077	.022	
10.0	.161	.077	.021	.159	.077	.021	.153	.075	.021	.149	.074	.021	.144	.073	.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	.146	.161	.142	.126	.110	.098	.087	.063	.057	.051	.020	.018	.016	
2.0	.179	.142	.110	.153	.122	.095	.105	.084	.066	.061	.049	.039	.019	.016	.013	
3.0	.171	.124	.086	.147	.107	.074	.101	.074	.052	.058	.043	.031	.019	.014	.010	
4.0	.164	.110	.070	.141	.095	.060	.097	.067	.043	.056	.039	.025	.018	.013	.008	
5.0	.157	.100	.058	.135	.087	.050	.093	.060	.036	.054	.035	.021	.017	.012	.007	
6.0	.150	.092	.050	.129	.079	.043	.089	.056	.031	.052	.033	.018	.017	.011	.006	
7.0	.143	.085	.044	.123	.073	.038	.085	.051	.027	.050	.030	.016	.016	.010	.005	
8.0	.137	.079	.039	.118	.068	.034	.082	.048	.024	.048	.028	.014	.015	.009	.005	
9.0	.131	.074	.035	.113	.064	.031	.078	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.126	.070	.032	.108	.061	.028	.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:150W						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	22.7	24.2	23.0	24.4	24.6	23.1	24.6	23.4	24.8	25.0
3H	23.6	24.9	23.9	25.2	25.4	24.4	25.7	24.7	26.0	26.3
4H	23.6	24.9	23.9	25.1	25.4	24.7	26.0	25.0	26.2	26.5
6H	23.5	24.7	23.9	25.0	25.3	24.7	25.9	25.1	26.2	26.5
8H	23.5	24.6	23.8	24.9	25.2	24.7	25.9	25.1	26.2	26.5
12H	23.4	24.5	23.8	24.8	25.2	24.7	25.8	25.0	26.1	26.4
4H 2H	23.3	24.5	23.6	24.8	25.1	23.6	24.9	23.9	25.1	25.4
3H	24.2	25.3	24.6	25.7	26.0	25.0	26.1	25.4	26.4	26.7
4H	24.3	25.3	24.7	25.7	26.0	25.3	26.3	25.7	26.7	27.0
6H	24.3	25.2	24.7	25.5	25.9	25.4	26.3	25.8	26.7	27.1
8H	24.2	25.0	24.7	25.4	25.8	25.4	26.2	25.8	26.6	27.0
12H	24.2	24.9	24.6	25.3	25.8	25.4	26.1	25.8	26.5	27.0
8H 4H	24.4	25.2	24.8	25.6	26.0	25.3	26.2	25.8	26.6	27.0
6H	24.4	25.1	24.8	25.5	25.9	25.5	26.2	25.9	26.6	27.0
8H	24.3	24.9	24.8	25.4	25.9	25.5	26.1	26.0	26.5	27.0
12H	24.3	24.8	24.8	25.3	25.8	25.5	26.0	26.0	26.4	26.9
12H 4H	24.4	25.1	24.8	25.5	26.0	25.3	26.1	25.8	26.5	26.9
6H	24.4	24.9	24.8	25.4	25.9	25.5	26.0	25.9	26.5	27.0
8H	24.3	24.8	24.8	25.3	25.8	25.5	26.0	26.0	26.4	26.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
1.5H	+ 0.3 / - 0.4					+ 0.2 / - 0.4				
2.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.4				

CIE Pub.117 Corrected 17455 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.9)

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

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER:	Address:		
NAME: LED Flood Light	TYPE:	WEIGHT:	
SPECIFICATION:150W	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	49	43
1.00	77	67	60	76	66	59	74	67	59	52
1.25	85	75	68	83	74	67	80	72	66	59
1.50	90	80	74	88	79	73	85	77	72	64
2.00	96	88	82	95	87	82	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	92	88	80
4.00	107	102	98	105	100	96	100	97	93	84
5.00	109	105	101	107	103	100	102	99	96	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

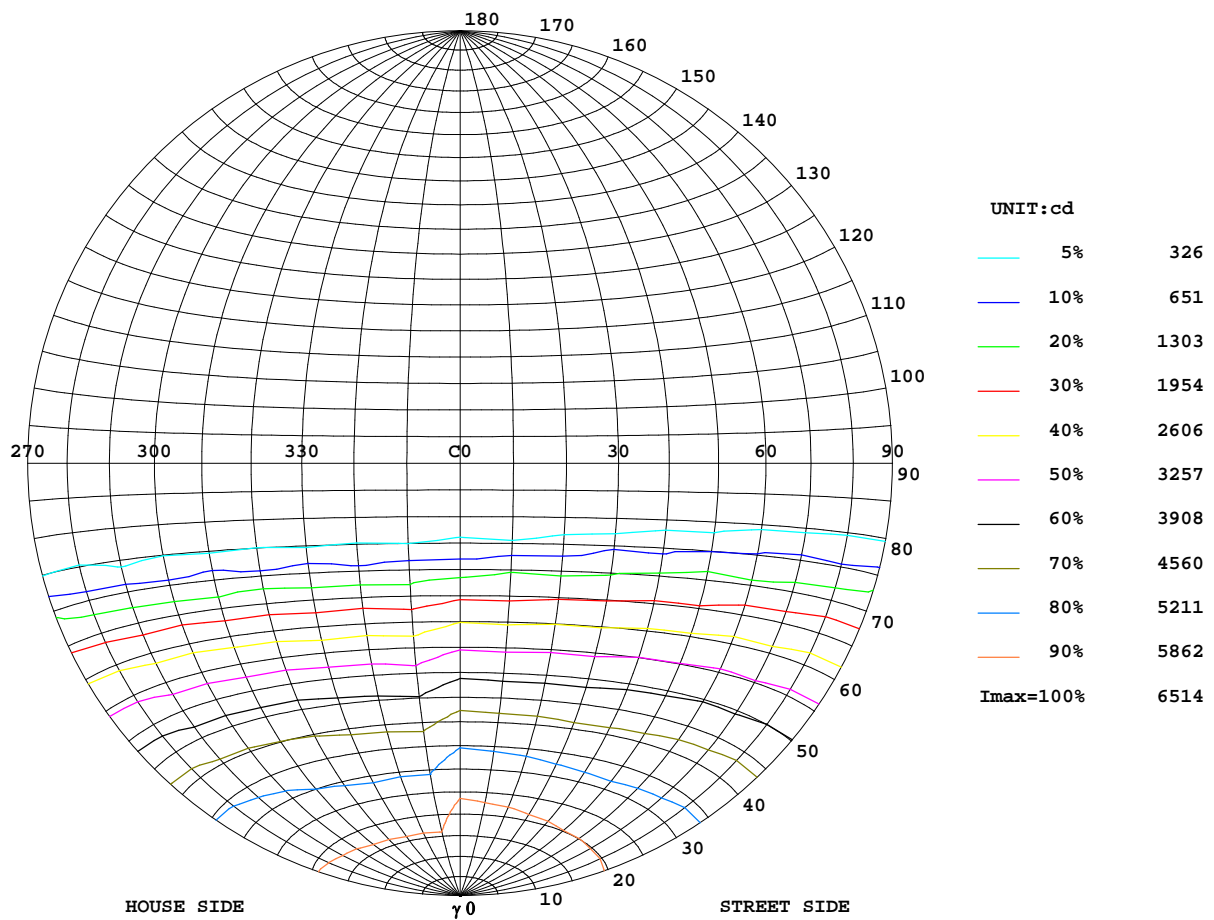
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	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:

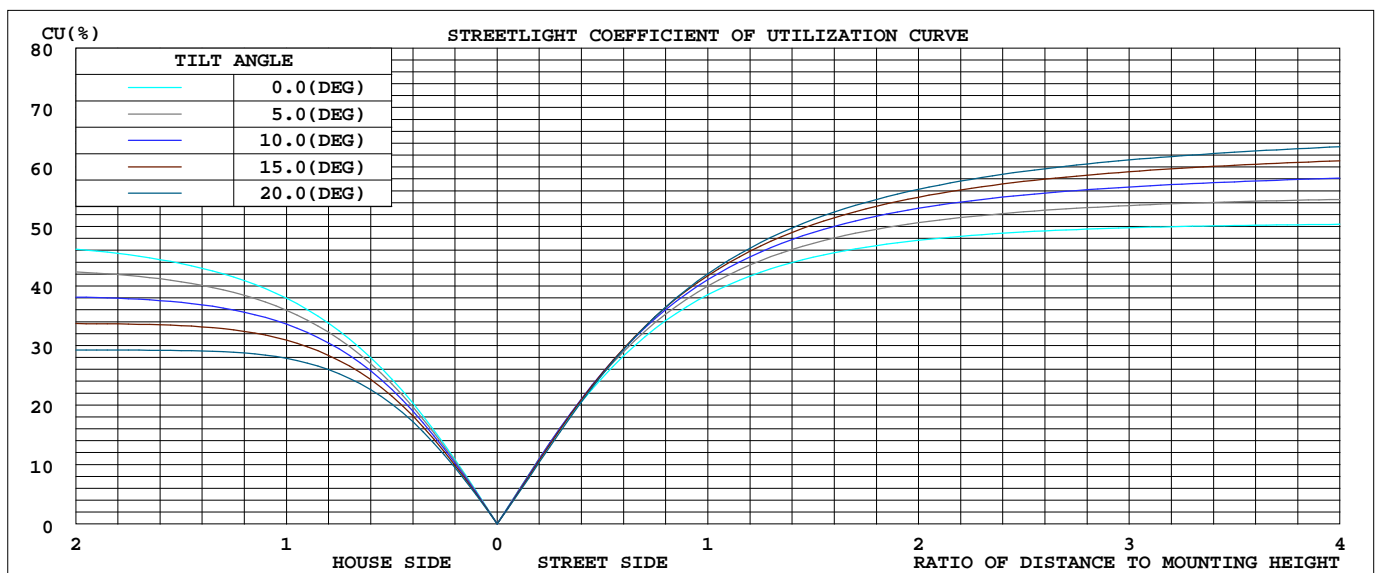
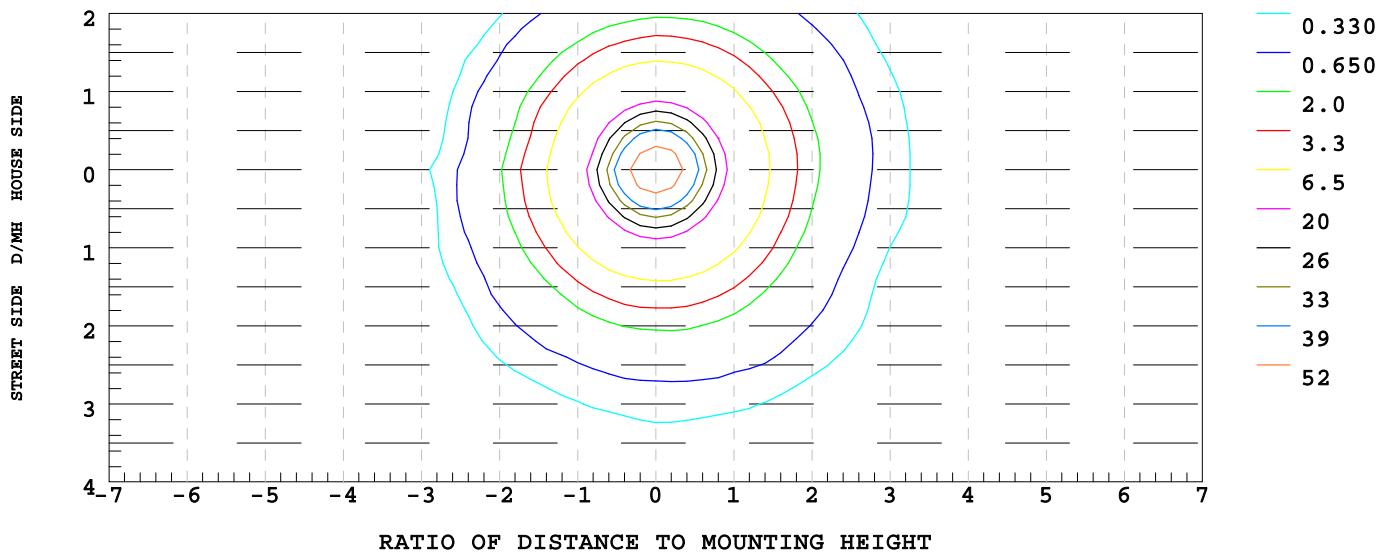
LED Flood Light

ISOLUX DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	DIMENSION:	SERIAL No.:

ILLUMINANCE AT MH=10 m, Enadir = 65.11 lx



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

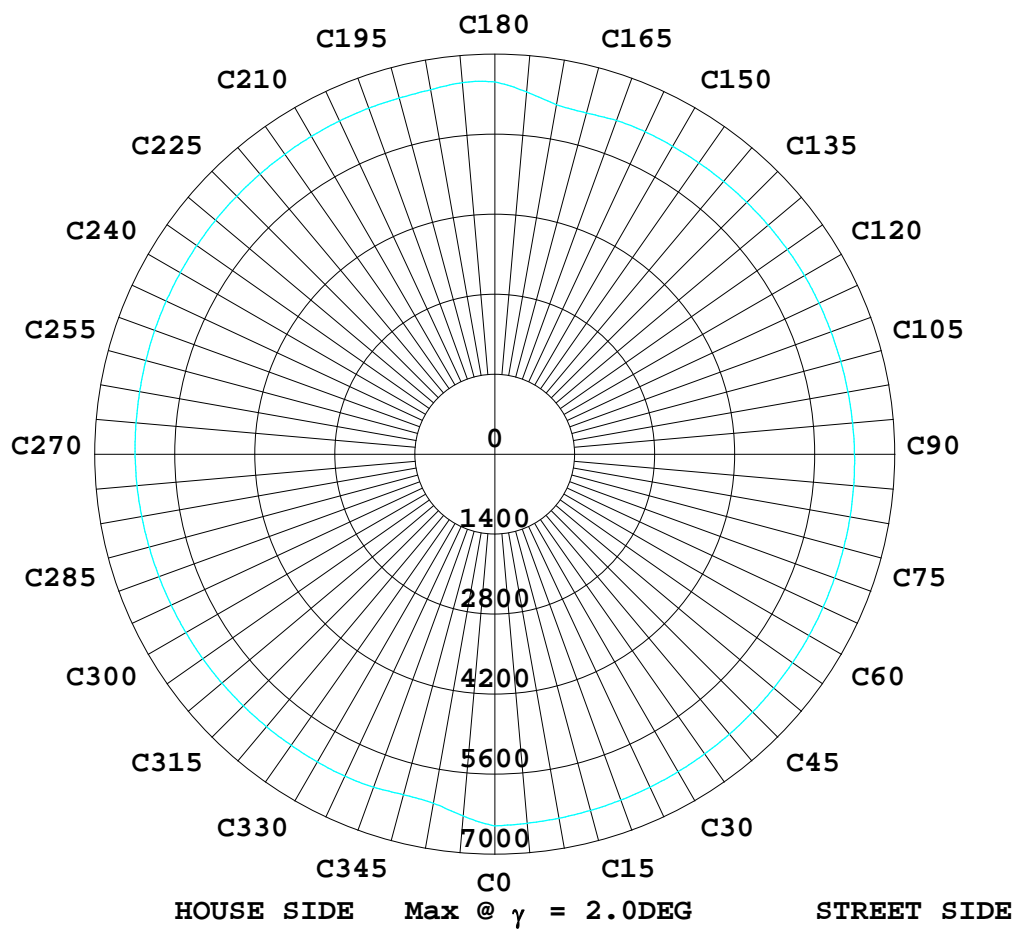
Test Set: 8.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:5.200 m
 Remarks:

LED Flood Light

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:	Address:	
NAME: LED Flood Light	TYPE:	WEIGHT:
SPECIFICATION:150W	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:150W	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	6511	6479	6448	6420	6399	6378	6358	6339	6317	6297	6279	6265	6256	6240	6230
5.0	6474	6440	6409	6385	6364	6345	6328	6309	6290	6277	6265	6252	6239	6228	6225
10.0	6376	6340	6317	6293	6276	6253	6243	6221	6213	6198	6194	6183	6185	6183	6184
15.0	6228	6186	6167	6133	6119	6090	6083	6060	6059	6042	6048	6042	6063	6063	6081
20.0	6024	5990	5964	5930	5903	5874	5866	5853	5851	5845	5852	5859	5879	5891	5912
25.0	5789	5751	5726	5665	5648	5607	5611	5596	5618	5609	5631	5628	5653	5663	5703
30.0	5513	5469	5438	5369	5346	5310	5337	5343	5384	5383	5401	5383	5394	5389	5444
35.0	5173	5138	5093	5043	5017	5010	5053	5085	5129	5146	5161	5145	5129	5115	5146
40.0	4781	4729	4711	4661	4669	4670	4735	4760	4824	4833	4869	4842	4848	4814	4841
45.0	4301	4253	4256	4230	4284	4276	4346	4348	4410	4419	4473	4464	4503	4480	4496
50.0	3764	3731	3736	3754	3804	3819	3866	3862	3909	3935	3987	4014	4083	4090	4090
55.0	3207	3158	3207	3173	3262	3267	3333	3301	3383	3378	3473	3493	3596	3595	3636
60.0	2579	2519	2590	2571	2664	2669	2744	2739	2817	2800	2906	2938	3036	3037	3065
65.0	1814	1789	1888	1931	2003	2018	2153	2184	2251	2258	2373	2400	2459	2418	2362
70.0	1086	1113	1179	1285	1389	1447	1409	1416	1512	1518	1605	1752	1875	1777	1763
75.0	429	365	469	572	601	629	661	761	831	811	947	952	1113	1150	1134
80.0	83.9	58.0	109	206	184	229	261	255	273	308	356	447	496	467	481
85.0	20.4	14.8	23.6	16.1	26.5	16.0	24.4	16.9	24.8	19.9	25.2	71.6	121	183	130
90.0	17.7	14.7	20.4	14.7	19.7	12.7	18.7	13.0	19.0	12.0	19.8	13.3	20.6	12.3	19.7
95.0	19.5	17.0	20.9	16.7	19.8	14.5	18.1	13.8	18.0	12.7	18.0	12.8	17.5	11.7	17.3
100.0	23.2	21.1	23.7	20.8	22.6	18.3	20.7	17.3	19.9	16.5	19.5	15.5	18.4	15.3	19.3
105.0	27.9	26.1	27.7	25.0	26.0	23.0	24.8	21.8	23.9	21.0	23.0	19.7	22.1	19.6	22.9
110.0	32.5	30.6	31.9	28.6	29.7	26.9	28.5	25.9	28.0	25.3	27.0	24.2	25.6	23.4	26.3
115.0	36.4	34.5	35.2	33.0	33.0	30.7	31.6	29.8	31.2	29.1	30.1	28.1	29.0	27.2	29.2
120.0	40.3	38.1	38.5	36.5	36.6	34.4	34.9	33.2	33.9	32.4	33.1	31.1	32.6	31.1	32.9
125.0	44.1	41.5	41.5	39.6	40.0	38.1	38.1	36.5	37.0	35.9	36.1	34.3	35.8	35.1	36.1
130.0	47.6	45.1	44.4	42.8	42.7	41.3	41.5	40.0	40.2	39.6	39.5	38.1	38.8	38.1	39.2
135.0	50.7	48.4	47.3	45.8	45.6	44.2	44.0	43.0	43.4	42.8	42.6	41.0	41.3	40.8	41.7
140.0	53.5	51.0	50.1	48.6	48.4	46.8	46.6	45.7	46.2	45.4	44.9	43.5	43.9	43.6	44.2
145.0	55.8	53.6	52.5	51.2	50.8	49.5	49.3	48.4	48.8	47.9	47.3	46.2	46.5	46.4	46.9
150.0	58.2	56.0	54.5	53.3	53.3	52.4	52.2	51.7	51.8	50.9	50.1	48.7	48.9	48.8	49.5
155.0	60.2	58.4	56.7	55.5	55.6	55.2	55.0	54.9	55.1	53.8	53.2	51.6	51.4	51.4	52.3
160.0	62.2	60.7	59.2	58.0	57.8	57.5	57.8	58.1	58.1	56.6	56.2	54.9	54.4	54.2	54.8
165.0	64.5	63.3	62.1	61.0	60.5	60.5	60.8	61.2	61.1	59.7	59.2	58.7	58.2	57.8	57.7
170.0	66.7	65.4	65.0	64.2	63.6	63.4	63.6	63.7	63.9	62.7	61.5	61.4	61.6	61.3	60.8
175.0	68.8	67.1	66.5	65.9	65.5	64.9	64.8	64.6	65.3	64.6	63.1	62.5	63.0	62.9	63.0
180.0	69.3	67.8	67.0	66.5	66.4	65.9	65.6	65.2	65.7	65.9	64.4	63.5	63.7	63.7	64.1

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:150W	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	6224	6214	6213	6511	6479	6448	6420	6399	6378	6358	6339	6317	6297	6279	6265
5.0	6217	6214	6208	6507	6474	6446	6415	6390	6365	6339	6318	6290	6267	6242	6229
10.0	6181	6180	6178	6454	6429	6391	6358	6321	6291	6253	6225	6189	6165	6135	6127
15.0	6078	6091	6082	6346	6316	6274	6238	6183	6148	6099	6067	6020	6004	5965	5950
20.0	5929	5941	5942	6182	6155	6100	6059	5992	5957	5900	5874	5827	5803	5764	5733
25.0	5716	5753	5750	5984	5953	5886	5839	5763	5732	5690	5683	5645	5627	5571	5525
30.0	5464	5514	5522	5735	5710	5627	5569	5493	5486	5471	5484	5452	5425	5355	5296
35.0	5184	5239	5262	5449	5415	5329	5264	5204	5217	5203	5206	5161	5130	5049	5000
40.0	4855	4920	4937	5103	5081	4997	4944	4906	4909	4867	4839	4763	4727	4645	4620
45.0	4474	4537	4546	4686	4659	4579	4565	4534	4516	4408	4352	4253	4220	4128	4124
50.0	4061	4103	4123	4201	4172	4096	4115	4076	4024	3876	3812	3704	3679	3581	3580
55.0	3585	3566	3573	3659	3659	3585	3608	3530	3478	3331	3273	3167	3140	3037	3039
60.0	2954	2952	2974	3068	3089	3019	3020	2902	2858	2730	2647	2518	2492	2384	2408
65.0	2273	2272	2277	2414	2471	2413	2392	2251	2194	2039	1970	1697	1673	1575	1591
70.0	1549	1562	1580	1676	1746	1673	1724	1601	1511	1309	1151	947	979	848	902
75.0	880	840	828	957	1047	957	970	794	579	542	433	312	353	245	316
80.0	409	295	315	363	439	372	362	252	213	192	78.4	29.7	23.9	14.9	23.6
85.0	72.4	49.2	53.7	64.4	91.3	49.1	31.3	22.1	23.6	11.7	17.8	10.1	16.6	9.97	16.6
90.0	11.5	17.7	11.3	10.4	18.2	11.1	18.0	11.0	15.8	9.92	14.7	10.0	14.7	10.8	16.0
95.0	12.8	17.2	12.2	10.3	15.7	11.6	16.8	12.6	16.4	12.6	16.0	12.8	16.6	13.9	18.0
100.0	16.1	19.6	15.8	13.7	17.0	14.4	18.3	15.4	18.7	16.0	18.7	16.5	19.4	17.6	20.9
105.0	20.1	22.5	19.6	18.0	20.5	18.4	21.4	19.3	22.0	20.0	22.4	20.9	23.3	22.0	24.0
110.0	23.8	26.0	23.6	22.2	24.0	22.2	24.8	23.0	25.4	23.9	26.2	25.2	27.3	26.1	27.2
115.0	27.7	29.0	27.5	26.4	27.4	26.0	28.0	26.9	28.8	28.0	29.8	29.1	31.1	30.0	31.2
120.0	31.3	32.5	31.7	30.8	31.1	29.8	31.5	30.8	32.7	31.9	33.4	33.2	35.2	33.8	34.6
125.0	34.6	35.9	35.5	35.1	35.3	33.7	35.1	34.8	36.2	35.3	36.8	36.9	38.9	37.2	37.6
130.0	37.9	39.0	39.2	39.5	39.2	37.9	38.7	38.3	39.4	38.8	39.9	40.4	42.0	40.3	40.5
135.0	40.9	42.1	42.6	43.5	43.1	41.8	42.1	41.7	42.6	42.2	43.1	43.8	45.1	43.7	43.5
140.0	43.5	44.7	45.3	46.7	46.5	45.4	45.5	45.0	45.9	45.4	46.2	46.9	48.1	46.7	46.5
145.0	46.6	47.5	47.9	49.9	49.9	49.1	48.7	48.4	48.8	48.6	49.1	49.5	50.4	49.6	49.5
150.0	49.7	50.6	50.8	53.3	53.4	52.8	52.2	51.6	51.7	51.2	51.4	51.9	52.7	52.7	52.6
155.0	52.6	53.7	54.0	56.4	57.0	56.2	55.3	54.3	54.1	53.7	54.1	54.5	55.1	55.7	55.7
160.0	55.3	56.7	57.2	59.7	60.1	59.4	58.0	57.0	56.6	56.5	56.9	57.4	57.9	58.7	58.5
165.0	58.0	59.5	60.2	63.0	63.2	62.3	61.0	60.0	59.5	59.7	60.1	60.1	60.8	61.4	60.7
170.0	60.8	61.9	62.8	66.2	65.8	64.8	63.7	63.0	62.8	62.8	62.9	62.2	63.4	63.2	62.4
175.0	62.4	63.2	64.1	68.4	67.3	66.1	65.4	65.2	65.1	64.9	64.6	64.4	65.7	64.3	63.4
180.0	63.8	63.9	64.2	69.6	67.9	66.9	66.6	66.3	66.0	65.5	65.3	65.5	65.9	64.2	63.6

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:150W	DIMENSION:	SERIAL No.:

UNIT: cd

C(DEG) γ (DEG)	300	310	320	330	340	350
0.0	6256	6240	6230	6224	6214	6213
5.0	6212	6198	6187	6180	6168	6161
10.0	6102	6096	6078	6075	6061	6058
15.0	5925	5921	5905	5911	5897	5902
20.0	5694	5692	5676	5691	5682	5699
25.0	5458	5442	5418	5444	5443	5469
30.0	5208	5164	5123	5153	5152	5185
35.0	4919	4872	4814	4815	4802	4842
40.0	4568	4540	4464	4441	4412	4448
45.0	4093	4100	4024	3990	3939	3978
50.0	3541	3559	3492	3486	3415	3456
55.0	2968	2981	2921	2940	2873	2922
60.0	2321	2344	2287	2334	2273	2321
65.0	1607	1682	1633	1616	1537	1589
70.0	843	947	923	939	878	914
75.0	289	331	295	349	321	362
80.0	16.6	26.3	27.0	31.9	30.6	25.6
85.0	10.4	17.1	10.2	16.8	10.4	17.7
90.0	11.3	16.2	11.0	14.8	10.8	16.2
95.0	13.7	17.7	13.9	16.1	13.3	17.3
100.0	17.8	20.3	17.1	18.7	16.6	20.1
105.0	21.8	23.7	21.0	22.6	21.1	24.1
110.0	25.6	27.3	24.9	26.3	25.0	27.9
115.0	29.4	30.6	28.7	29.9	28.9	30.7
120.0	33.4	34.0	32.3	33.6	32.7	34.1
125.0	36.8	37.6	35.9	36.9	36.2	37.8
130.0	40.0	40.7	39.6	40.0	39.5	41.1
135.0	43.1	43.7	42.9	43.3	42.7	44.5
140.0	45.8	46.6	45.9	46.3	45.6	47.2
145.0	48.8	49.2	48.8	49.0	48.2	49.4
150.0	51.8	51.8	51.1	50.9	50.2	51.2
155.0	54.7	54.1	52.8	52.6	52.1	53.2
160.0	57.0	55.9	54.8	54.8	55.0	55.7
165.0	59.1	58.1	57.5	57.9	58.4	58.6
170.0	61.1	60.8	60.7	61.4	61.7	61.3
175.0	62.6	62.8	62.9	63.4	63.1	63.4
180.0	63.4	64.0	63.8	64.0	63.6	64.4

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: