



LUMINAIRE PHOTOMETRIC TEST REPORT

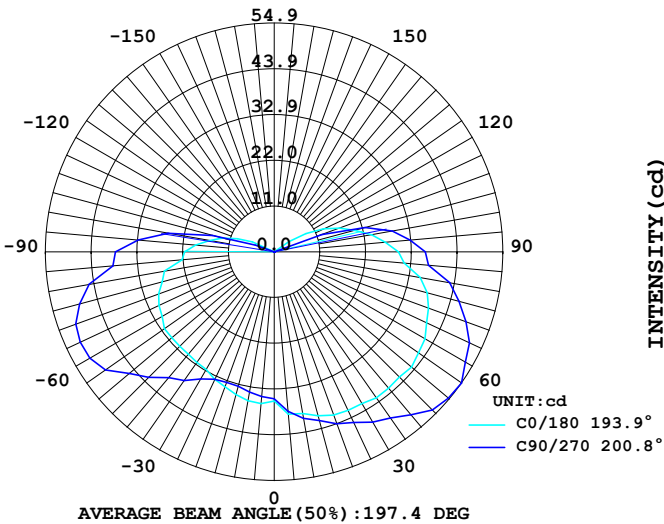
Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

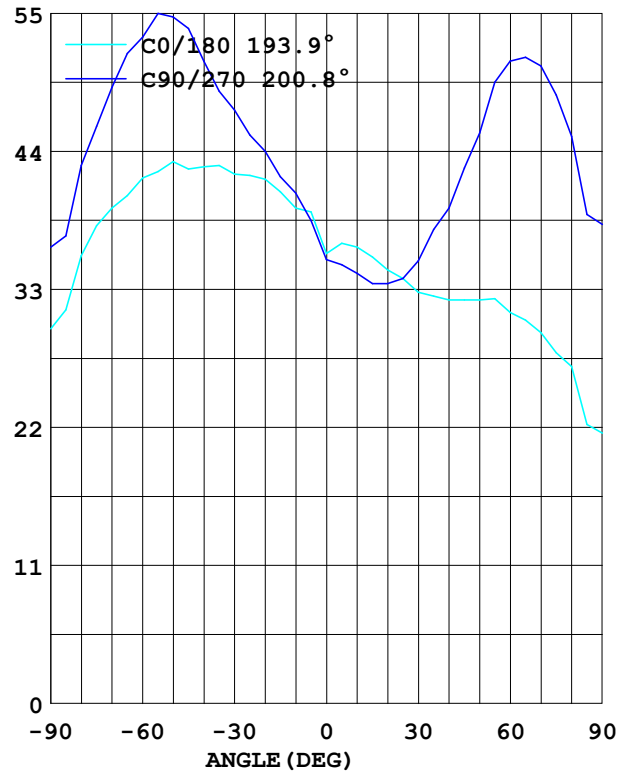
DATA OF LAMP		Imax (cd)	54.90	S/MH (C0/180)	1.77
MODEL	FSN-4231	EFFICIENCY (%)	100.0	S/MH (C90/270)	2.11
NOMINAL POWER (W)	5	TOTAL FLUX (lm)	307.60	Voltage (V)	120.4
RATED VOLTAGE (V)	120	EFFICIENCY (lm/W)	65.4	Current (A)	0.044
NOMINAL FLUX (lm)	307.6	$\eta$ up (%)	18.0	Power (W)	4.700
LAMPS QUANTITY	1	$\eta$ down (%)	82.0	Power Factor (PF)	0.890
TEST VOLTAGE (V)	120.4	Effective Flux (lm)	306.7	EET	0.170

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



INTENSITY (cd)



Test System: HOPOO HPG2000  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 01

## Color Temperature Data List

Report number:

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NAME: FSN-4231		TYPE: LED	WEIGHT: --
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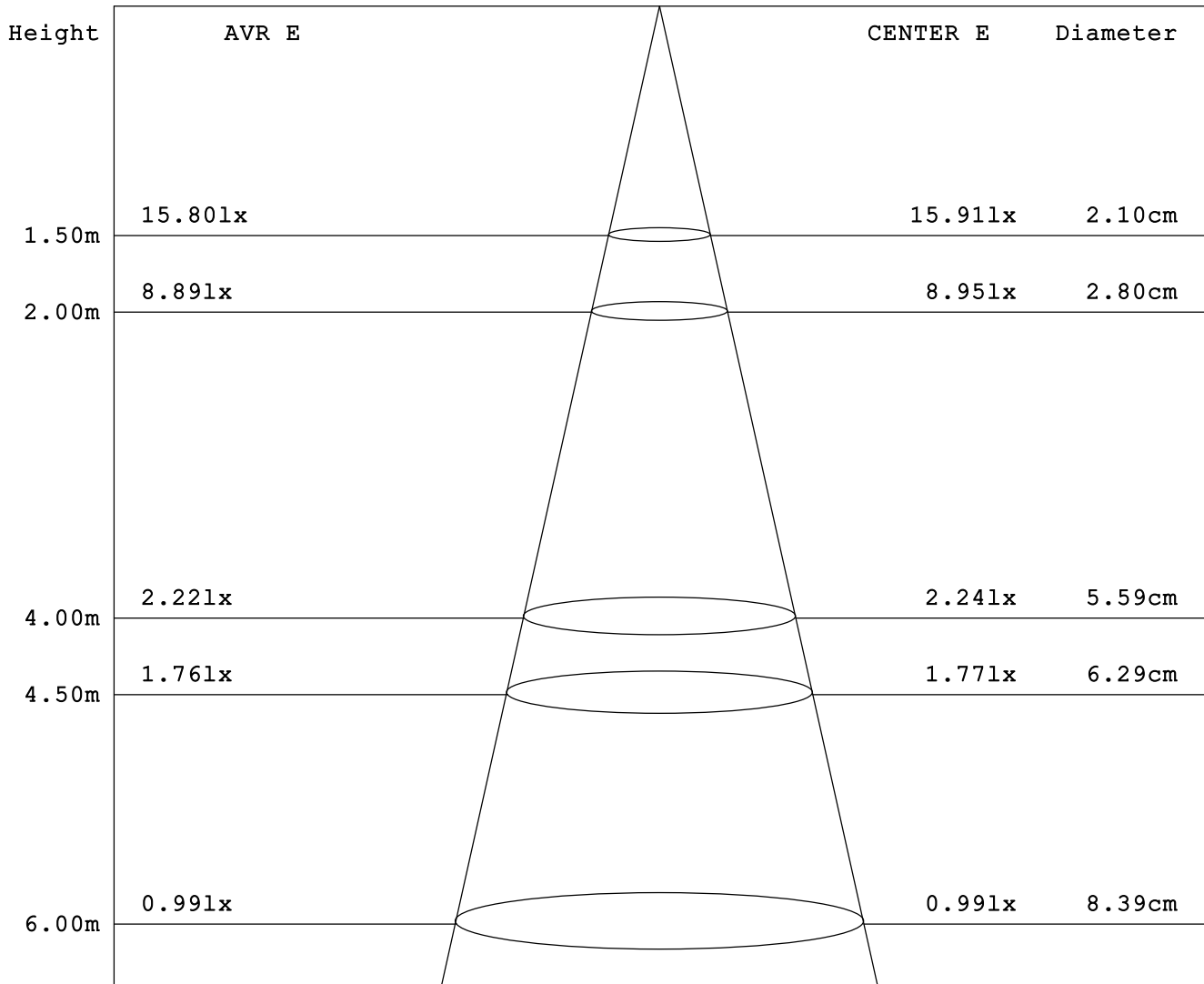
Test System:HOPOO HPG2000  
Temperature:25.3DEG  
Operators:  
Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
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AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231		TYPE: LED	WEIGHT: --
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01



Angle:0.8deg

Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

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 Humidity:65.0%  
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 Remarks: 01

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

γ	C0	C90	C180	C270					γ	Zone	total
10.0	39.39	40.59	36.29	34.20					0- 10	3.548	3.548
20.0	41.70	43.90	34.50	33.39					10- 20	10.76	14.31
30.0	42.09	47.20	32.70	35.20					20- 30	17.95	32.26
40.0	42.69	51.09	32.10	39.39					30- 40	25.37	57.63
50.0	43.09	54.59	32.10	45.40					40- 50	33.04	90.68
60.0	41.80	52.99	31.09	51.09					50- 60	39.80	130.4
70.0	39.39	49.00	29.49	50.70					60- 70	43.01	173.5
80.0	35.60	42.79	26.80	45.10					70- 80	42.25	215.7
90.0	29.80	36.29	21.50	38.10					80- 90	36.48	252.2
100.0	23.80	28.79	15.90	25.90					90-100	30.19	282.4
110.0	16.79	12.20	9.400	4.900					100-110	18.51	300.9
120.0	8.800	0	0	0					110-120	5.620	306.5
130.0	0.100	0	0	0					120-130	1.007	307.5
140.0	0	0	0	0					130-140	0.005	307.6
150.0	0	0	0	0					140-150	0	307.6
160.0	0	0	0	0					150-160	0	307.6
170.0	0	0	0	0					160-170	0	307.6
180.0	0	0	0	0					170-180	0	307.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:HOPOO HPG2000  
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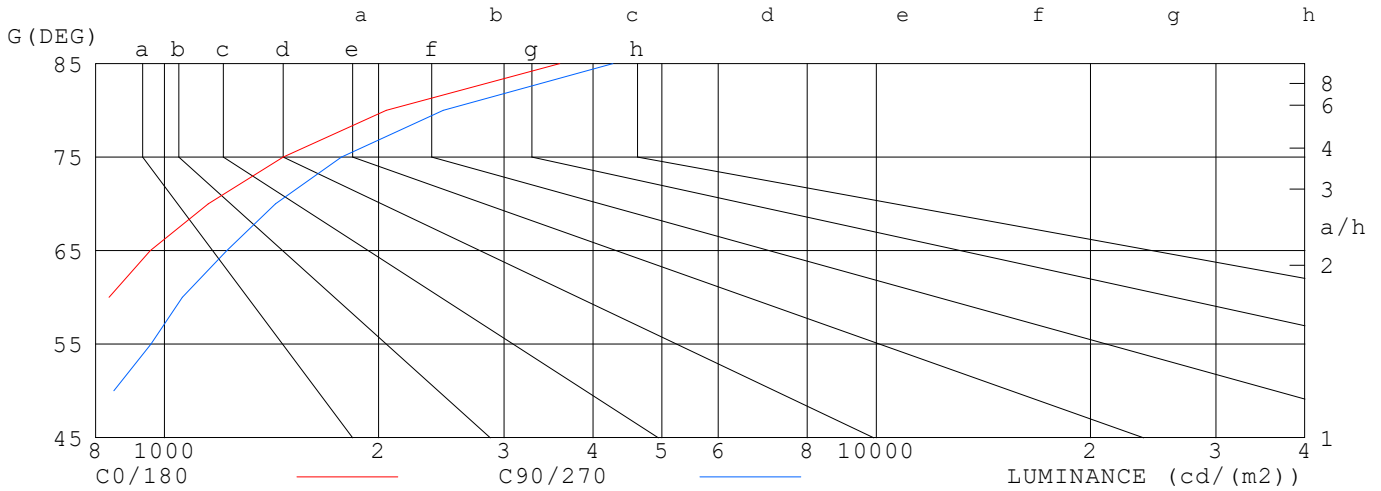
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
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



LUMINANCE cd/m2		
G (DEG)	C0/180	C90/270
85	3591	4268
80	2050	2465
75	1468	1773
70	1152	1433
65	956	1223
60	836	1060
55	737	957
50	671	849
45	601	759

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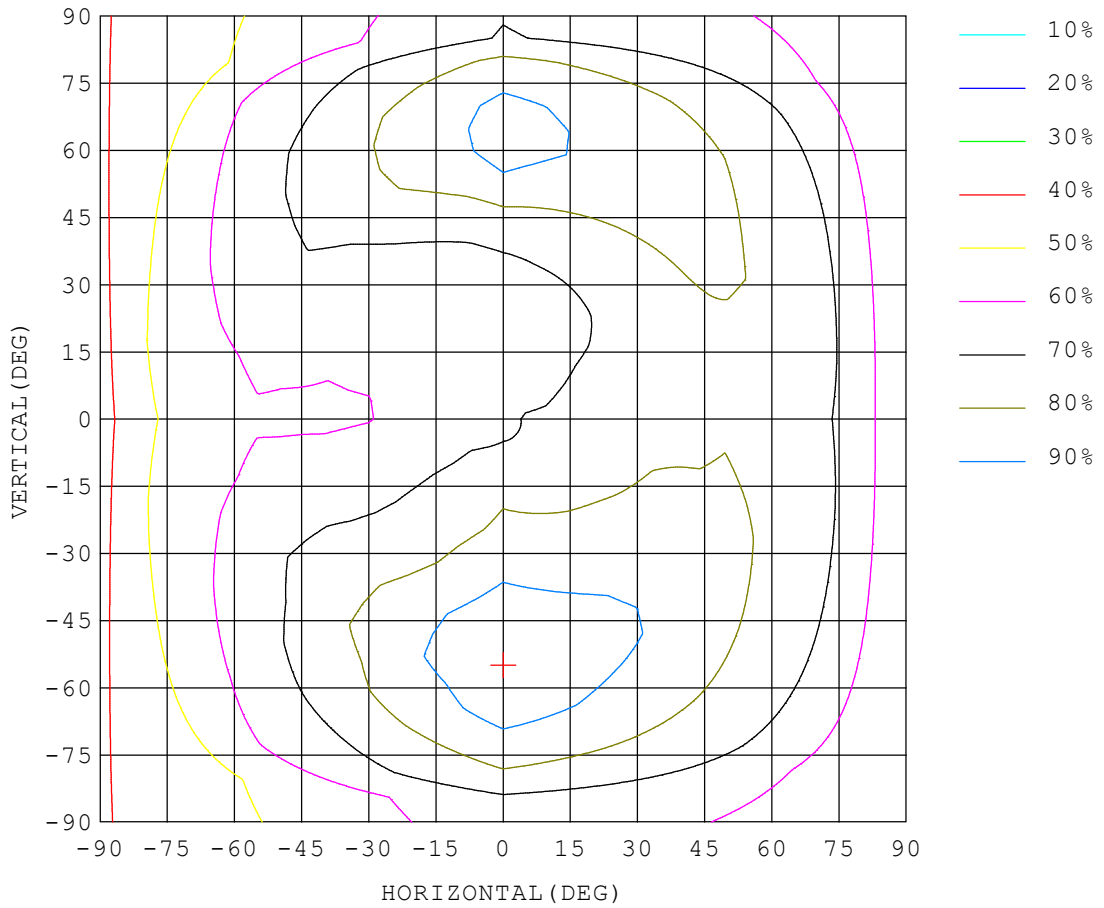
Test Set: 5.0deg/s C-Gamma (TYPE C)  
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ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: FSN-4231		TYPE: LED	WEIGHT: --
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

UNIT: cd



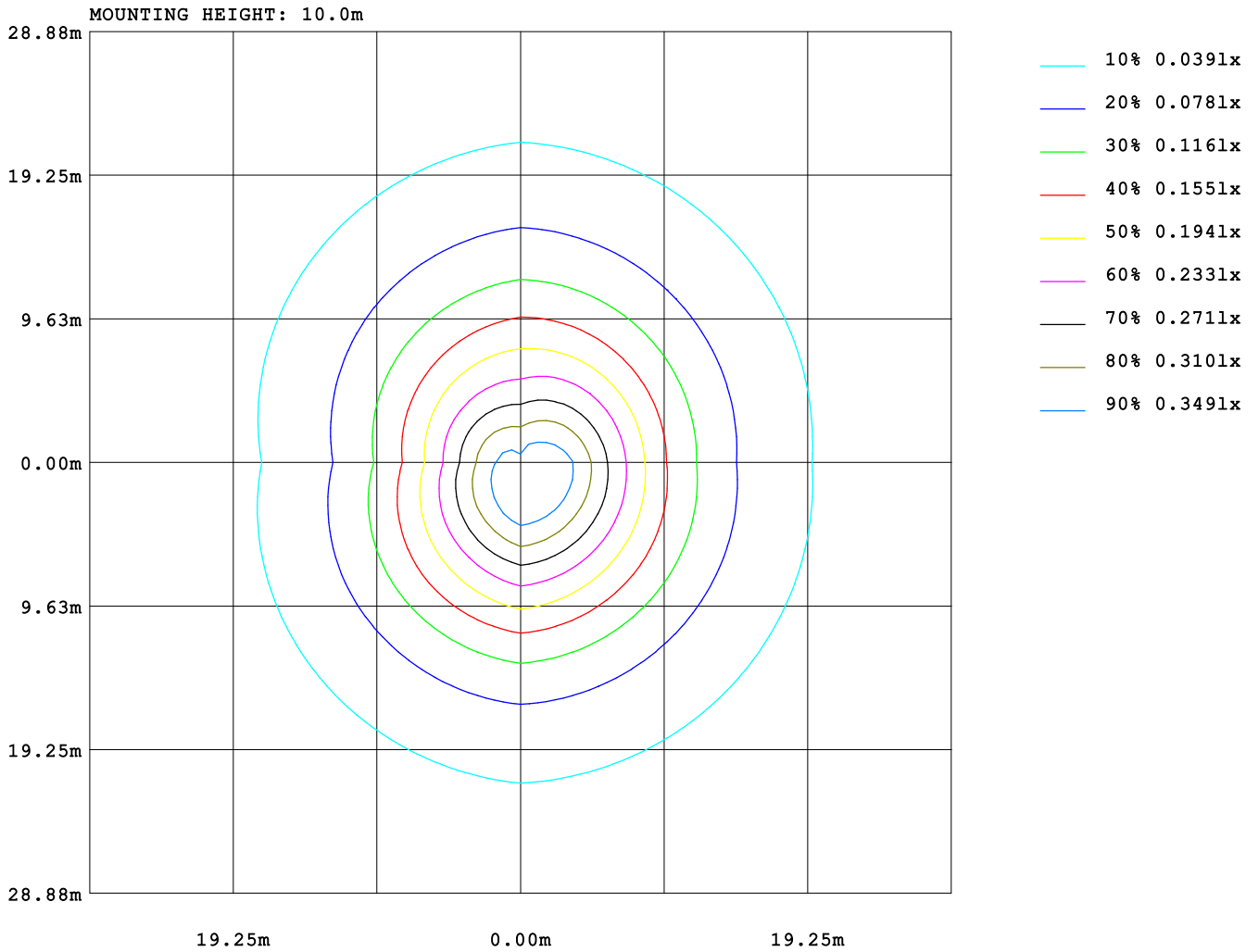
Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

ISOLUX DIAGRAM

Report number:

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Address:			
NAME: FSN-4231		TYPE: LED	WEIGHT: --
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01



Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
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 Remarks: 01

GONIOPHOTOMETERS SYSTEM TEST REPORT

AREA LUMINOUS FLUX

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

VERTICAL (DEG)	AREA FLUX DIAGRAM																		UNIT:lm	Φ t	Φ a
	0.06	0.19	0.34	0.50	0.66	0.82	0.97	1.09	1.19	1.20	1.13	1.03	0.90	0.75	0.59	0.42	0.25	0.08	12.1	12.1	
90	0.06	0.19	0.34	0.50	0.66	0.82	0.97	1.09	1.19	1.20	1.13	1.03	0.90	0.75	0.59	0.42	0.25	0.08	12.1	12.1	
80	0.06	0.20	0.36	0.56	0.77	0.97	1.14	1.30	1.42	1.43	1.35	1.22	1.05	0.87	0.66	0.45	0.25	0.08	14.1	14.1	
70	0.06	0.21	0.40	0.61	0.83	1.03	1.22	1.38	1.51	1.53	1.44	1.31	1.14	0.94	0.72	0.49	0.27	0.08	15.2	15.2	
60	0.06	0.22	0.42	0.63	0.85	1.04	1.21	1.35	1.44	1.46	1.41	1.31	1.16	0.97	0.75	0.51	0.28	0.08	15.1	15.1	
50	0.06	0.23	0.42	0.64	0.84	1.00	1.12	1.20	1.26	1.29	1.27	1.23	1.13	0.97	0.76	0.53	0.29	0.08	14.3	14.3	
40	0.06	0.23	0.42	0.63	0.81	0.93	1.02	1.08	1.12	1.15	1.17	1.14	1.08	0.96	0.76	0.53	0.30	0.09	13.5	13.5	
30	0.06	0.23	0.42	0.61	0.77	0.88	0.96	1.00	1.03	1.06	1.10	1.10	1.04	0.94	0.76	0.53	0.30	0.09	12.9	12.9	
20	0.06	0.23	0.41	0.59	0.73	0.84	0.93	1.00	1.02	1.06	1.10	1.09	1.04	0.92	0.75	0.53	0.30	0.09	12.7	12.7	
10	0.06	0.22	0.40	0.57	0.70	0.82	0.93	1.02	1.07	1.11	1.15	1.13	1.05	0.92	0.74	0.52	0.30	0.09	12.8	12.8	
0	0.06	0.22	0.40	0.57	0.72	0.84	0.97	1.07	1.14	1.19	1.20	1.16	1.07	0.93	0.75	0.52	0.30	0.09	13.2	13.2	
-10	0.06	0.23	0.41	0.60	0.77	0.90	1.03	1.15	1.24	1.27	1.26	1.20	1.10	0.96	0.76	0.53	0.30	0.09	13.8	13.8	
-20	0.06	0.23	0.42	0.62	0.81	0.97	1.10	1.22	1.33	1.36	1.32	1.25	1.14	0.98	0.77	0.53	0.30	0.09	14.5	14.5	
-30	0.06	0.23	0.42	0.63	0.85	1.04	1.19	1.32	1.43	1.46	1.41	1.32	1.18	1.00	0.77	0.53	0.30	0.09	15.2	15.2	
-40	0.06	0.23	0.42	0.63	0.86	1.08	1.27	1.43	1.56	1.59	1.50	1.38	1.20	0.99	0.76	0.52	0.29	0.08	15.8	15.8	
-50	0.06	0.22	0.41	0.62	0.85	1.06	1.27	1.45	1.60	1.62	1.51	1.36	1.18	0.97	0.74	0.51	0.28	0.08	15.8	15.8	
-60	0.06	0.21	0.40	0.60	0.81	1.01	1.21	1.38	1.51	1.53	1.44	1.29	1.12	0.92	0.70	0.48	0.26	0.08	15.0	15.0	
-70	0.06	0.19	0.36	0.55	0.74	0.93	1.10	1.24	1.35	1.37	1.29	1.17	1.02	0.84	0.64	0.44	0.25	0.08	13.6	13.6	
-80	0.06	0.19	0.33	0.48	0.64	0.79	0.93	1.04	1.13	1.15	1.09	1.00	0.88	0.73	0.58	0.41	0.25	0.08	11.7	11.7	
-90	0.06	0.19	0.33	0.48	0.64	0.79	0.93	1.04	1.13	1.15	1.09	1.00	0.88	0.73	0.58	0.41	0.25	0.08	11.7	11.7	
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90				
Φ t	1.11	3.90	7.16	10.6	13.9	16.9	19.6	21.8	23.4	23.9	23.2	21.7	19.5	16.5	12.9	8.98	5.07	1.52	308		
Φ a	1.11	3.90	7.16	10.6	13.9	16.9	19.6	21.8	23.4	23.9	23.2	21.7	19.5	16.5	12.9	8.98	5.07	1.52		307	

Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
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Test Set: 5.0deg/s C-Gamma (TYPE C)  
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 Test Distance:10.000 m  
 Remarks: 01

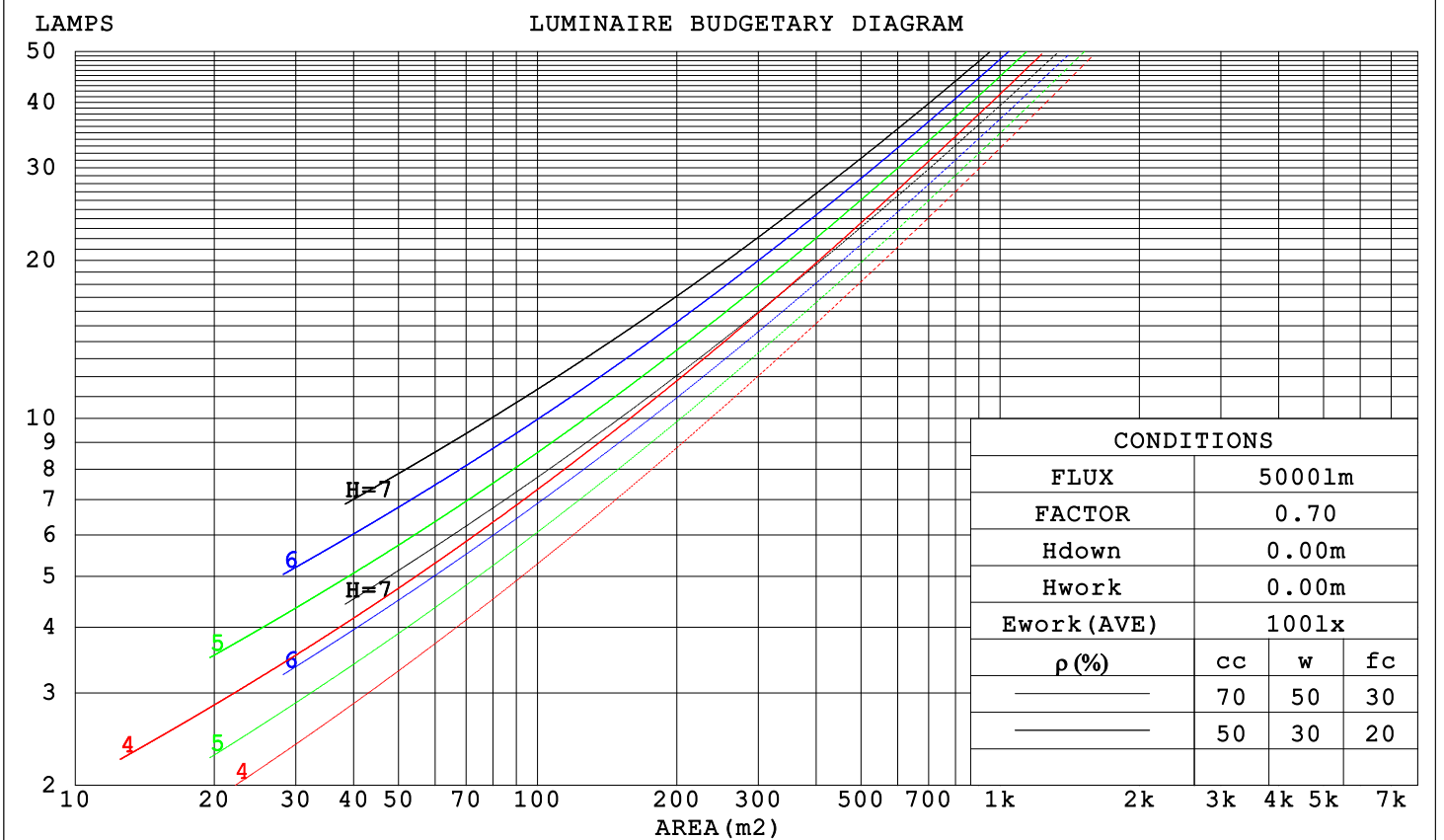


CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Report number:

MANUFACTURER: Justice Design Group, LLC															
Address:															
NAME: FSN-4231						TYPE: LED						WEIGHT: --			
SPECIFICATION: --				CCT (K): 3000				DIMENSION: --				SERIAL No.: 01			

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.15	1.15	1.15	1.10	1.10	1.10	1.01	1.01	1.01	.93	.93	.93	.86	.86	.86	.82
1.0	.92	.85	.79	.87	.82	.76	.80	.75	.71	.73	.69	.65	.66	.63	.60	.56
2.0	.76	.67	.60	.73	.65	.58	.66	.59	.53	.60	.54	.49	.54	.50	.46	.42
3.0	.65	.55	.47	.62	.53	.45	.56	.48	.42	.51	.44	.39	.46	.41	.36	.33
4.0	.56	.46	.38	.54	.44	.37	.49	.41	.34	.44	.37	.32	.40	.34	.29	.26
5.0	.49	.39	.31	.47	.38	.30	.43	.35	.28	.39	.32	.26	.35	.29	.24	.22
6.0	.44	.34	.27	.42	.33	.26	.38	.30	.24	.35	.28	.22	.31	.25	.21	.18
7.0	.39	.30	.23	.38	.29	.22	.34	.26	.21	.31	.24	.19	.28	.22	.18	.15
8.0	.36	.26	.20	.34	.25	.19	.31	.24	.18	.28	.22	.17	.26	.20	.16	.13
9.0	.32	.23	.17	.31	.23	.17	.28	.21	.16	.26	.20	.15	.24	.18	.14	.12
10.0	.30	.21	.16	.28	.20	.15	.26	.19	.14	.24	.18	.13	.22	.16	.12	.10



Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

**GONIOPHOTOMETERS SYSTEM TEST REPORT**

**WEC AND CCEC**

Report number:

MANUFACTURER: Justice Design Group, LLC															
Address:															
NAME: FSN-4231						TYPE: LED						WEIGHT: --			
SPECIFICATION: --				CCT (K): 3000				DIMENSION: --				SERIAL No.: 01			

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.462	.263	.083	.449	.256	.081	.425	.244	.078	.403	.232	.075	.382	.222	.071		
2.0	.385	.211	.065	.373	.205	.063	.351	.195	.061	.331	.186	.058	.312	.176	.056		
3.0	.333	.177	.053	.323	.173	.052	.303	.164	.050	.285	.156	.048	.267	.148	.046		
4.0	.295	.153	.045	.285	.149	.044	.267	.142	.042	.251	.135	.041	.235	.128	.039		
5.0	.264	.135	.039	.256	.131	.038	.239	.125	.037	.224	.118	.035	.210	.112	.034		
6.0	.240	.120	.034	.232	.117	.034	.217	.111	.032	.203	.105	.031	.190	.100	.030		
7.0	.219	.108	.031	.212	.106	.030	.198	.100	.029	.186	.095	.028	.174	.090	.027		
8.0	.202	.099	.028	.195	.096	.027	.183	.091	.026	.171	.087	.025	.160	.082	.024		
9.0	.187	.090	.025	.181	.088	.025	.170	.084	.024	.159	.080	.023	.149	.075	.022		
10.0	.174	.084	.023	.169	.081	.023	.158	.077	.022	.148	.074	.021	.139	.070	.020		

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0																	
1.0	.328	.328	.328	.280	.280	.280	.191	.191	.191	.110	.110	.110	.035	.035	.035		
2.0	.329	.293	.261	.282	.251	.224	.193	.173	.155	.111	.100	.090	.036	.032	.029		
3.0	.324	.271	.226	.277	.233	.195	.190	.161	.136	.110	.094	.080	.035	.030	.026		
4.0	.317	.255	.205	.271	.220	.178	.186	.153	.125	.108	.089	.074	.035	.029	.024		
5.0	.309	.243	.192	.265	.210	.167	.182	.146	.117	.105	.086	.069	.034	.028	.023		
6.0	.301	.233	.183	.258	.202	.159	.178	.141	.112	.103	.083	.067	.033	.027	.022		
7.0	.293	.225	.177	.251	.195	.154	.173	.136	.109	.101	.080	.065	.032	.026	.021		
8.0	.285	.219	.172	.245	.190	.150	.169	.133	.106	.098	.078	.063	.032	.026	.021		
9.0	.278	.213	.169	.239	.185	.147	.165	.130	.104	.096	.077	.062	.031	.025	.021		
10.0	.271	.208	.166	.233	.181	.145	.162	.127	.103	.094	.075	.061	.031	.025	.020		

Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
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Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

UGR Table

Report number:

MANUFACTURER: Justice Design Group, LLC										
Address:										
NAME: FSN-4231					TYPE: LED			WEIGHT: --		
SPECIFICATION: --			CCT (K): 3000			DIMENSION: --			SERIAL No.: 01	

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	11.2	12.7	11.8	13.3	13.9	12.3	13.8	12.8	14.3	14.9
3H	14.1	15.5	14.7	16.1	16.7	15.2	16.6	15.8	17.2	17.8
4H	15.8	17.1	16.3	17.7	18.3	16.9	18.2	17.4	18.8	19.4
6H	17.5	18.8	18.1	19.3	20.0	18.6	19.9	19.2	20.4	21.1
8H	18.3	19.5	18.9	20.1	20.8	19.4	20.6	20.0	21.2	21.9
12H	19.3	20.5	19.9	21.1	21.8	20.4	21.6	21.0	22.2	22.9
4H 2H	12.4	13.7	13.0	14.3	14.9	13.1	14.4	13.7	15.0	15.6
3H	15.4	16.6	16.0	17.2	17.9	16.2	17.4	16.8	18.0	18.7
4H	17.2	18.3	17.8	18.9	19.6	18.0	19.1	18.7	19.8	20.5
6H	19.0	20.0	19.7	20.7	21.4	19.9	20.9	20.6	21.6	22.3
8H	19.9	20.8	20.6	21.5	22.3	20.8	21.7	21.5	22.4	23.2
12H	21.0	21.8	21.7	22.5	23.3	21.9	22.8	22.6	23.5	24.3
8H 4H	18.0	18.9	18.6	19.6	20.4	18.6	19.6	19.3	20.2	21.0
6H	20.0	20.8	20.7	21.5	22.3	20.7	21.5	21.4	22.2	23.0
8H	21.1	21.8	21.8	22.5	23.3	21.8	22.5	22.5	23.2	24.1
12H	22.4	23.0	23.1	23.8	24.6	23.2	23.8	23.9	24.5	25.4
12H 4H	18.2	19.0	18.8	19.7	20.5	18.8	19.6	19.4	20.3	21.1
6H	20.3	21.0	21.0	21.7	22.6	20.9	21.7	21.6	22.4	23.2
8H	21.5	22.1	22.2	22.8	23.7	22.1	22.8	22.9	23.5	24.4

Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
2.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 307.6 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.1)

Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

UTILIZATION FACTORS TABLE

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231		TYPE: LED	WEIGHT: --
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

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	42	29	21	41	28	20	39	27	20	13
0.80	51	36	27	49	36	27	47	34	26	18
1.00	58	44	34	56	43	34	53	44	33	24
1.25	65	51	41	63	49	40	59	47	39	29
1.50	70	56	46	68	55	45	63	52	44	33
2.00	78	65	55	75	63	54	70	60	52	40
2.50	83	71	62	80	69	60	74	65	57	44
3.00	87	76	67	84	74	65	77	69	62	48
4.00	93	83	75	89	80	73	82	75	68	54
5.00	96	88	80	92	85	78	85	79	73	58
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

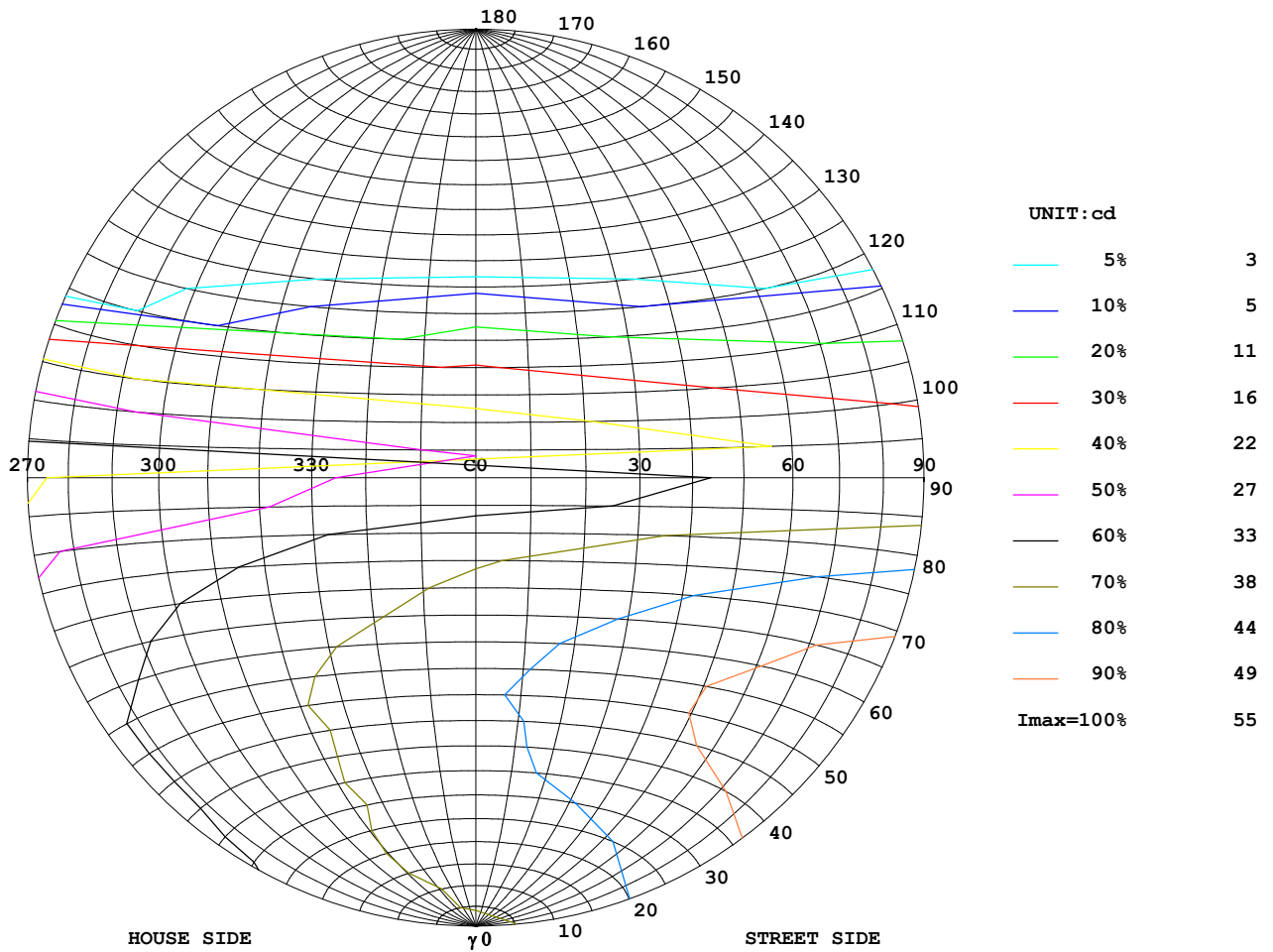
Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01



Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

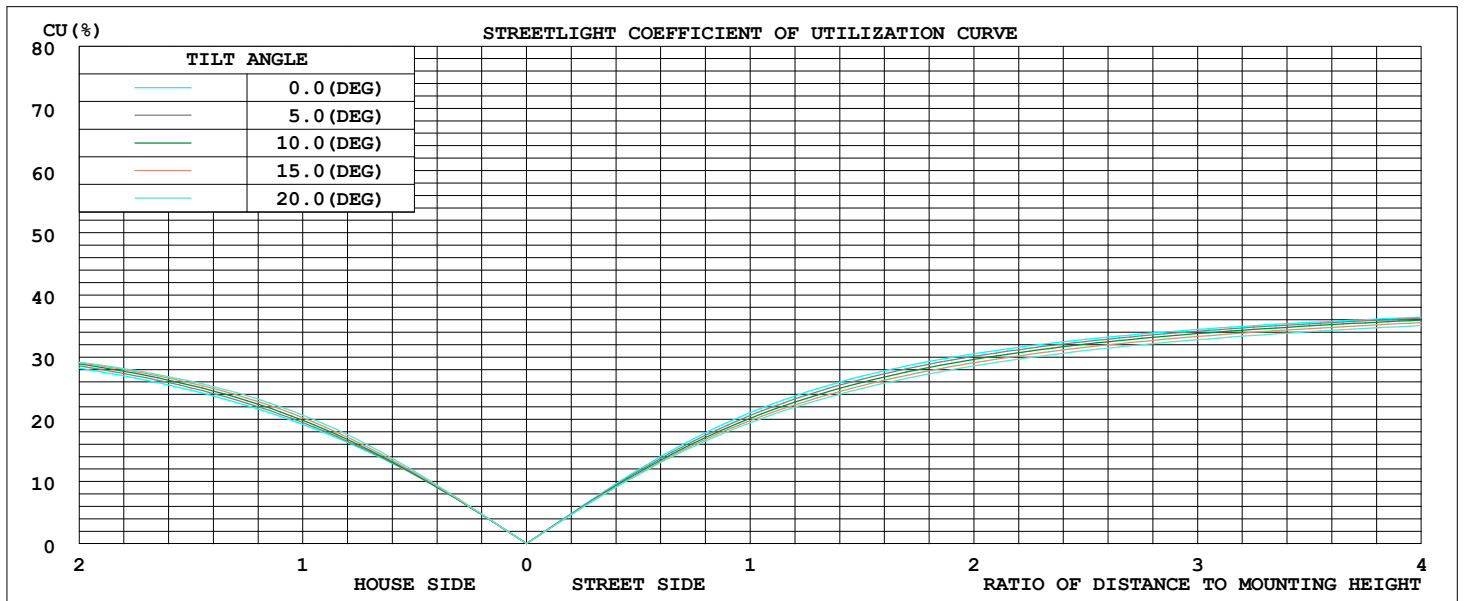
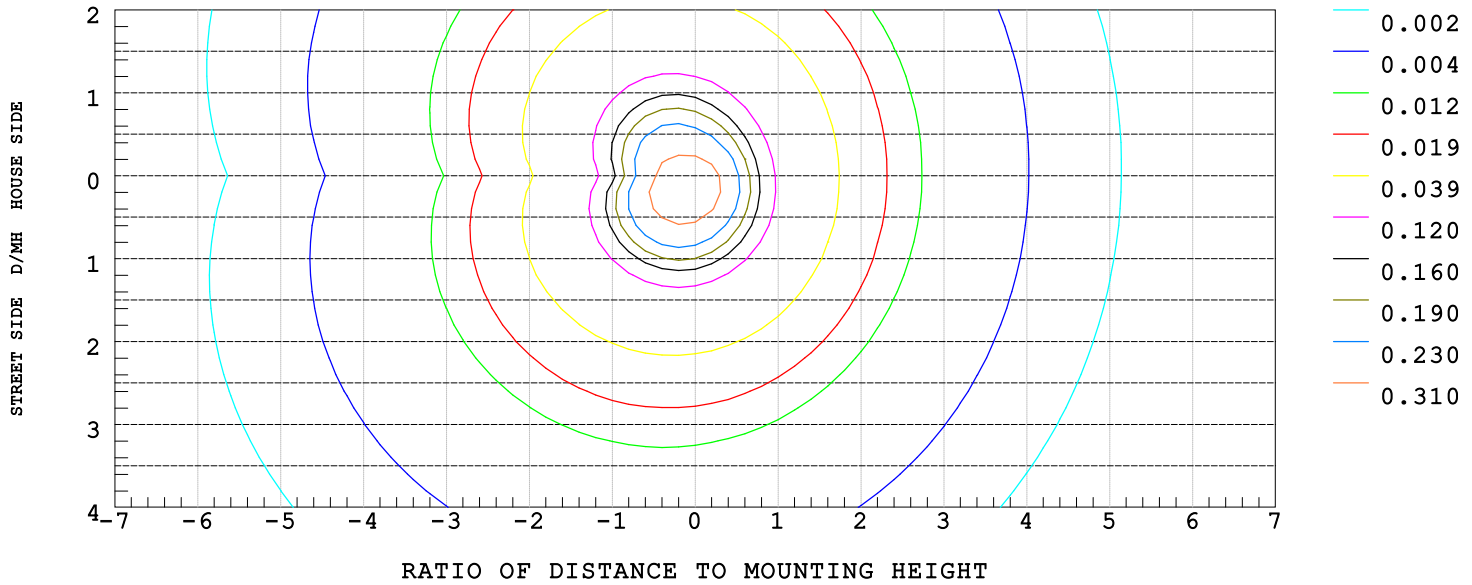
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

ISOLUX DIAGRAM

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

ILLUMINANCE AT MH=10 m, Enadir = 0.36 lx



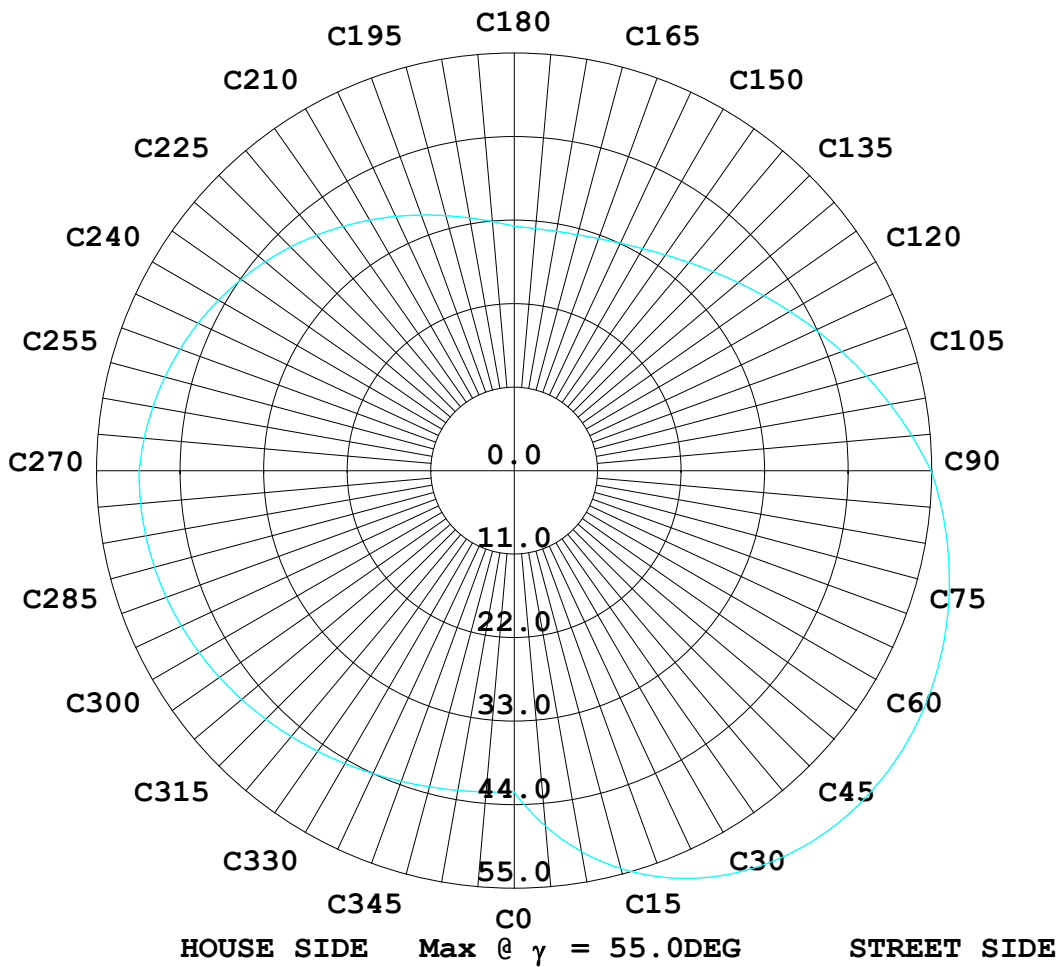
Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231		TYPE: LED	WEIGHT: --
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01



Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: Justice Design Group, LLC			
Address:			
NAME: FSN-4231	TYPE: LED	WEIGHT: --	
SPECIFICATION: --	CCT (K): 3000	DIMENSION: --	SERIAL No.: 01

UNIT: cd

C (DEG) \ γ (DEG)	0	90	180	270
0.0	35.7	35.2	35.7	35.2
5.0	39.0	38.4	36.5	34.9
10.0	39.3	40.5	36.2	34.2
15.0	40.7	41.9	35.5	33.3
20.0	41.7	43.9	34.5	33.3
25.0	42.0	45.2	33.7	33.7
30.0	42.0	47.2	32.7	35.2
35.0	42.7	48.6	32.4	37.7
40.0	42.6	51.0	32.1	39.3
45.0	42.5	53.7	32.1	42.5
50.0	43.0	54.5	32.1	45.4
55.0	42.2	54.9	32.2	49.3
60.0	41.8	52.9	31.0	51.0
65.0	40.4	51.7	30.5	51.4
70.0	39.3	49.0	29.4	50.7
75.0	38.0	45.8	27.9	48.4
80.0	35.6	42.7	26.8	45.1
85.0	31.2	37.2	22.2	38.9
90.0	29.8	36.2	21.5	38.1
95.0	26.8	32.7	19.0	32.7
100.0	23.8	28.7	15.9	25.9
105.0	20.1	22.6	12.9	15.2
110.0	16.7	12.2	9.40	4.90
115.0	13.0	0.00	5.80	0.00
120.0	8.80	0.00	0.00	0.00
125.0	4.40	0.00	0.00	0.00
130.0	0.10	0.00	0.00	0.00
135.0	0.00	0.00	0.00	0.00
140.0	0.00	0.00	0.00	0.00
145.0	0.00	0.00	0.00	0.00
150.0	0.00	0.00	0.00	0.00
155.0	0.00	0.00	0.00	0.00
160.0	0.00	0.00	0.00	0.00
165.0	0.00	0.00	0.00	0.00
170.0	0.00	0.00	0.00	0.00
175.0	0.00	0.00	0.00	0.00
180.0	0.00	0.00	0.00	0.00

Test System:HOPOO HPG2000  
 Temperature:25.3DEG  
 Operators:  
 Test Date:July 06 2020

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 01