

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P#

Luminaire Tested: **LX6C10D010 EX6C109027 6LCSQWH**

Issue Date: 2/16/2022



**Test Information**

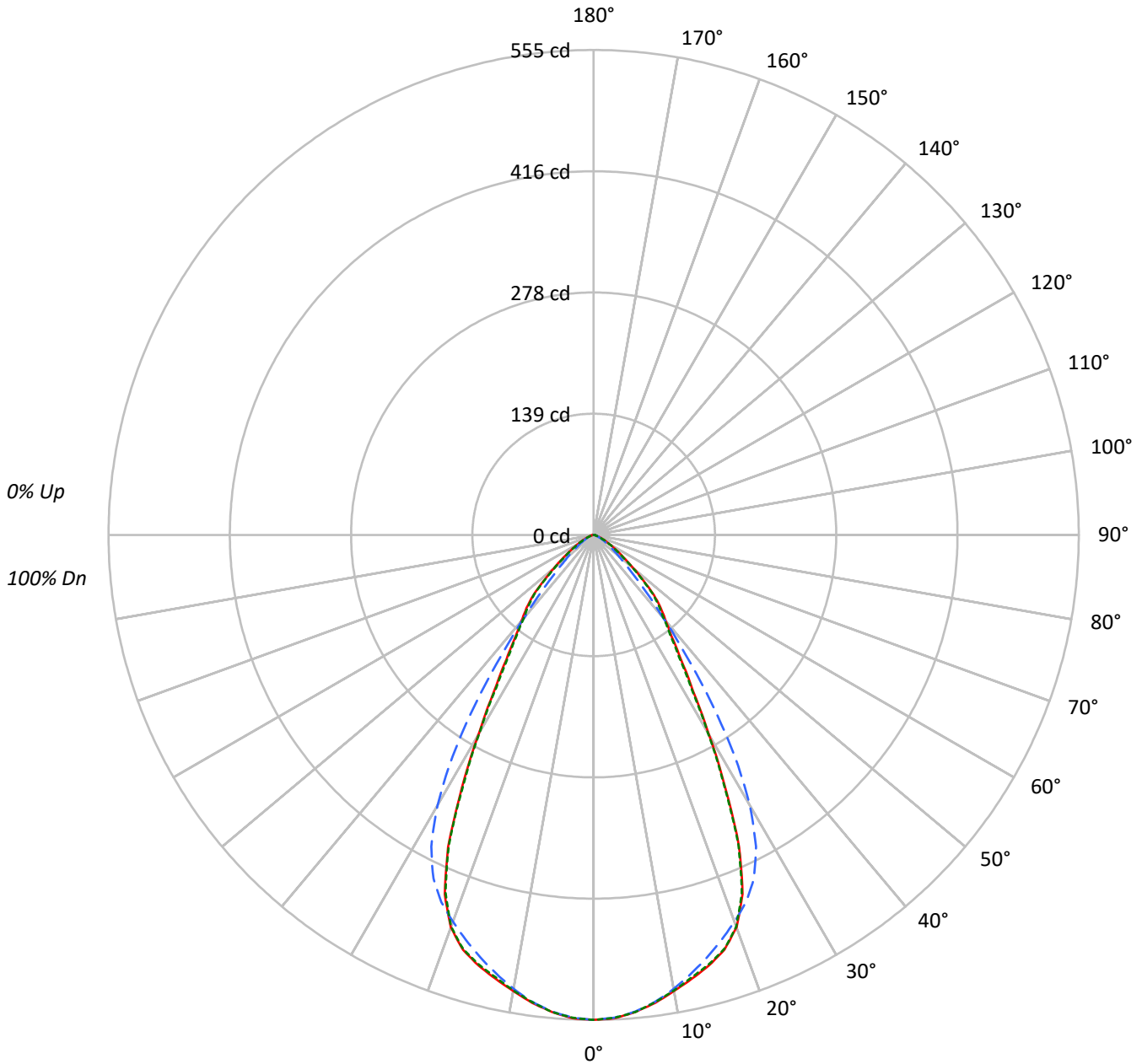
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109027 6LCSQWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 608.0 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																			
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																			
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																			
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	23896	23896	23896
5°	23685	23667	23685
10°	23172	23067	23141
15°	22733	22323	22675
20°	21888	21576	21846
25°	18708	20608	18618
30°	13095	17774	12981
35°	9151	12357	8941
40°	7211	6930	7003
45°	5949	3891	5858
50°	3992	2465	3852
55°	2635	1689	2507
60°	1774	1154	1679
65°	1182	795	1110
70°	793	579	743
75°	516	416	482
80°	322	322	322
85°	296	296	296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.7	8.5
10°-20°	142.1	23.4
20°-30°	183.6	30.2
30°-40°	124.3	20.4
40°-50°	65.4	10.8
50°-60°	27.4	4.5
60°-70°	9.8	1.6
70°-80°	3.0	0.5
80°-90°	0.7	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	377.3	62.1
0°-40°	501.7	82.5
0°-60°	594.4	97.8
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	555	555	555	555	555	
5°	548	548	548	548	548	52
15°	510	505	501	504	509	143
25°	394	410	434	410	392	175
35°	174	188	235	185	170	113
45°	98	90	64	88	96	73
55°	35	30	22	29	33	33
65°	12	9	8	9	11	12
75°	3	3	2	2	3	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	555.0	555.0	555.0	555.0	555.0
2.5°	553.7	553.1	552.9	553.1	553.1
5°	548.0	547.8	547.6	547.8	548.0
7.5°	540.0	539.4	539.0	539.0	539.2
10°	530.0	529.1	527.6	528.5	529.3
12.5°	520.1	517.8	514.4	516.7	518.6
15°	510.0	505.2	500.8	504.3	508.7
17.5°	497.6	492.8	485.9	491.9	496.8
20°	477.7	474.9	470.9	474.9	476.8
22.5°	445.1	448.5	455.0	448.0	442.8
25°	393.8	410.4	433.8	410.4	391.9
27.5°	326.4	355.2	402.3	352.9	323.5
30°	263.4	291.8	357.5	292.0	261.1
32.5°	211.5	234.2	300.4	230.9	207.1
35°	174.1	187.6	235.1	184.8	170.1
37.5°	146.6	151.0	172.2	148.5	143.5
40°	128.3	124.6	123.3	122.7	124.6
42.5°	113.8	105.2	89.3	103.1	110.3
45°	97.7	89.5	63.9	87.8	96.2
47.5°	76.9	73.5	47.5	72.0	74.2
50°	59.6	55.0	36.8	54.0	57.5
52.5°	45.8	40.7	29.0	39.3	43.5
55°	35.1	30.0	22.5	29.4	33.4
57.5°	27.1	22.5	17.4	21.8	25.8
60°	20.6	17.0	13.4	16.2	19.5
62.5°	15.5	12.6	10.3	12.2	14.7
65°	11.6	9.4	7.8	9.2	10.9
67.5°	8.6	7.1	5.9	6.7	8.0
70°	6.3	5.2	4.6	5.0	5.9
72.5°	4.4	3.8	3.4	3.6	4.0
75°	3.1	2.7	2.5	2.5	2.9
77.5°	2.1	1.9	1.7	1.9	2.1
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.0	1.0	1.0	1.0	0.8
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.4	0.4	0.4	0.4	0.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)