

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 EX6C109040 6LCSQWH**

Issue Date: 2/16/2022



**Test Information**

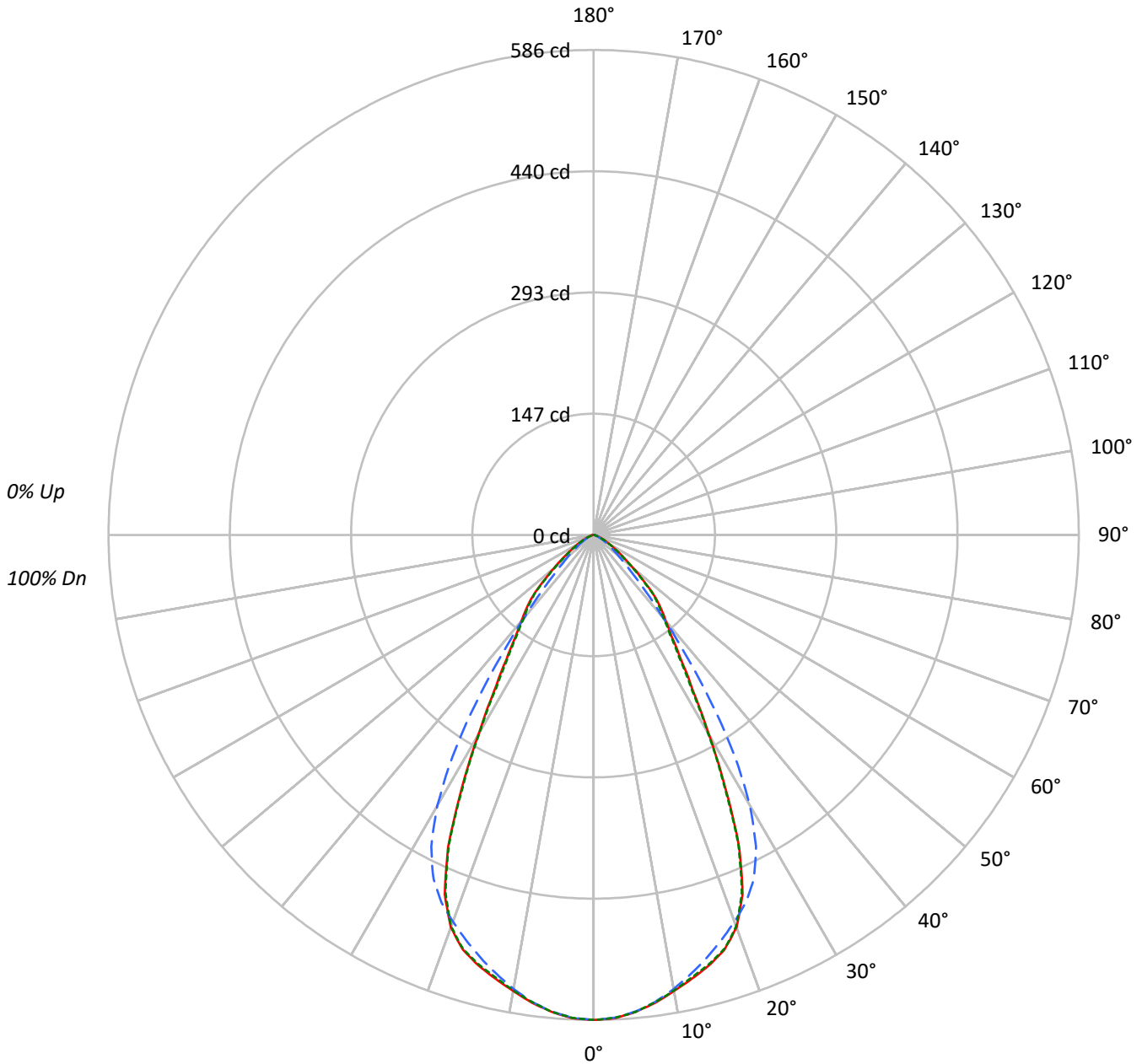
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/16/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109040 6LCSQWH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LCSQW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 642.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 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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CATALOG NUMBER: LX6C10D010 EX6C109040 6LCSQWH

### 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	55	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°	25235	25235	25235
5°	25007	24990	25007
10°	24470	24356	24435
15°	24003	23571	23941
20°	23116	22781	23065
25°	19753	21763	19658
30°	13826	18768	13707
35°	9661	13051	9440
40°	7610	7318	7397
45°	6284	4110	6186
50°	4213	2606	4066
55°	2785	1787	2650
60°	1877	1214	1774
65°	1253	846	1172
70°	843	604	780
75°	532	433	499
80°	347	347	347
85°	296	296	296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.6	8.5
10°-20°	150.0	23.4
20°-30°	193.9	30.2
30°-40°	131.3	20.4
40°-50°	69.1	10.8
50°-60°	28.9	4.5
60°-70°	10.4	1.6
70°-80°	3.2	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°	398.5	62.1
0°-40°	529.7	82.5
0°-60°	627.7	97.8
0°-90°	642.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	642.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	579	578	578	578	579	55
15°	538	534	529	532	537	151
25°	416	433	458	433	414	184
35°	184	198	248	195	180	119
45°	103	94	68	93	102	77
55°	37	32	24	31	35	35
65°	12	10	8	10	12	13
75°	3	3	3	3	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°	586.1	586.1	586.1	586.1	586.1
2.5°	584.7	584.1	583.9	584.1	584.1
5°	578.6	578.4	578.2	578.4	578.6
7.5°	570.2	569.6	569.2	569.2	569.4
10°	559.7	558.7	557.1	558.1	558.9
12.5°	549.2	546.8	543.2	545.6	547.6
15°	538.5	533.5	528.8	532.5	537.1
17.5°	525.4	520.4	513.1	519.4	524.6
20°	504.5	501.4	497.2	501.4	503.4
22.5°	470.0	473.6	480.5	473.0	467.6
25°	415.8	433.3	458.1	433.3	413.8
27.5°	344.6	375.1	424.8	372.6	341.6
30°	278.1	308.2	377.5	308.4	275.7
32.5°	223.3	247.3	317.2	243.9	218.7
35°	183.8	198.1	248.3	195.1	179.6
37.5°	154.8	159.4	181.8	156.8	151.6
40°	135.4	131.6	130.2	129.6	131.6
42.5°	120.1	111.0	94.3	108.8	116.5
45°	103.2	94.5	67.5	92.7	101.6
47.5°	81.2	77.6	50.2	76.0	78.4
50°	62.9	58.0	38.9	57.0	60.7
52.5°	48.4	42.9	30.6	41.5	46.0
55°	37.1	31.6	23.8	31.0	35.3
57.5°	28.6	23.8	18.3	23.0	27.2
60°	21.8	17.9	14.1	17.1	20.6
62.5°	16.3	13.3	10.9	12.9	15.5
65°	12.3	9.9	8.3	9.7	11.5
67.5°	9.1	7.5	6.2	7.1	8.5
70°	6.7	5.4	4.8	5.2	6.2
72.5°	4.6	4.0	3.6	3.8	4.2
75°	3.2	2.8	2.6	2.6	3.0
77.5°	2.2	2.0	1.8	2.0	2.2
80°	1.4	1.4	1.4	1.4	1.4
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)