

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: P799244

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDDWGPH**

Issue Date: 4/12/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P799244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08D010 EU6089030 6LBMDDWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

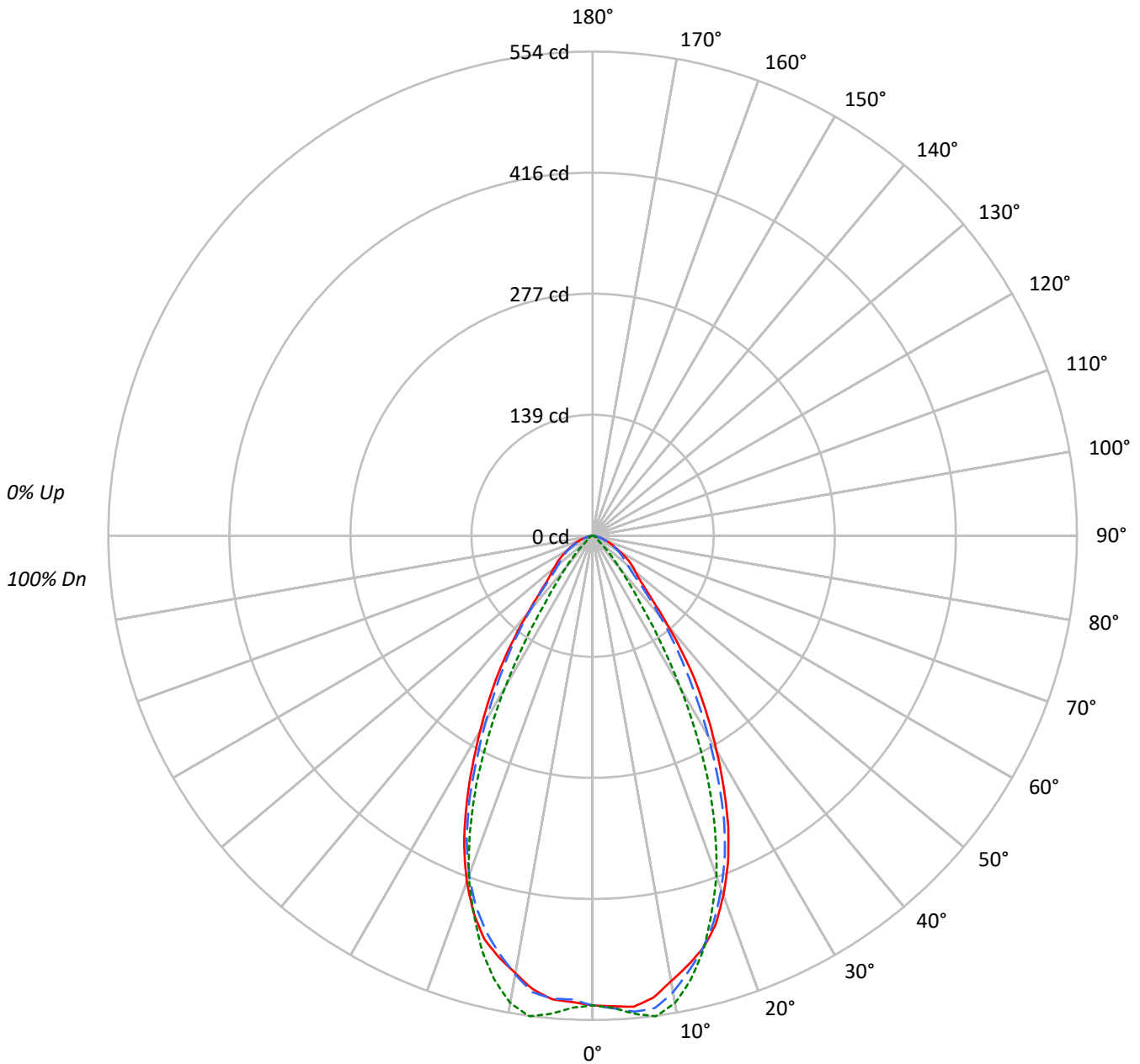
Lumens per Lamp: N/A
Luminaire Lumens: 547.0 lumens
Efficiency: N/A
Efficacy: 55.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): 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				20				
RC	80				70				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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	29455	29455	29455
5°	29765	30217	29298
10°	28796	30215	28295
15°	27719	27826	27128
20°	25511	24170	24555
25°	22199	19060	20681
30°	17908	12667	16243
35°	13880	6532	12200
40°	9525	3385	8215
45°	6528	1698	5760
50°	5433	725	4938
55°	4884	631	4416
60°	3870	603	3684
65°	3191	532	3152
70°	2581	481	2581
75°	1906	530	2033
80°	1137	442	1200
85°	881	503	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.1	9.4
10°-20°	134.2	24.5
20°-30°	153.2	28.0
30°-40°	101.6	18.6
40°-50°	49.0	9.0
50°-60°	30.2	5.5
60°-70°	18.2	3.3
70°-80°	7.7	1.4
80°-90°	1.7	0.3
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°	338.6	61.9
0°-40°	440.2	80.5
0°-60°	519.4	95.0
0°-90°	547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	537	537	537	537	537	
5°	541	547	549	532	532	51
15°	488	488	490	470	478	136
25°	367	355	315	333	342	166
35°	207	183	98	170	182	128
45°	84	74	22	69	74	69
55°	51	42	7	42	46	45
65°	25	24	4	22	24	25
75°	9	9	2	8	10	10
85°	1	2	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	537.3	537.3	537.3	537.3	537.3	537.3	537.3	537.3	537.3
2.5°	538.7	539.5	541.1	541.4	540.6	535.4	531.0	532.7	534.0
5°	540.9	542.5	546.6	550.4	549.1	540.3	531.6	531.3	532.4
7.5°	532.9	536.8	545.2	554.8	554.5	539.5	526.6	523.4	523.4
10°	517.3	520.9	530.2	543.0	542.8	523.9	509.7	508.1	508.3
12.5°	503.4	505.0	509.7	519.8	519.8	501.2	490.3	491.9	494.1
15°	488.4	489.5	488.4	491.7	490.3	475.0	469.5	474.7	478.0
17.5°	467.1	467.6	461.9	457.5	452.3	442.7	444.1	451.8	452.6
20°	437.3	440.8	430.4	419.2	414.3	405.3	412.9	421.4	420.9
22.5°	404.5	408.6	395.2	376.6	366.5	362.9	376.6	384.3	384.0
25°	367.0	370.0	354.7	328.8	315.1	314.6	333.4	341.3	341.9
27.5°	324.9	326.0	308.8	274.9	258.0	262.1	285.9	296.8	298.2
30°	282.9	282.3	264.5	222.5	200.1	211.3	243.2	255.3	256.6
32.5°	244.3	242.7	222.5	172.2	145.4	162.1	204.2	216.7	218.9
35°	207.4	204.7	182.8	127.4	97.6	122.4	170.5	181.5	182.3
37.5°	168.9	167.5	150.3	95.4	68.1	92.9	139.1	147.0	146.2
40°	133.1	133.1	118.9	70.8	47.3	69.1	110.1	117.2	114.8
42.5°	104.4	105.8	93.7	52.2	33.6	51.4	87.2	93.7	91.0
45°	84.2	84.2	73.8	38.8	21.9	38.3	68.9	74.9	74.3
47.5°	71.3	70.2	59.9	28.4	12.0	28.7	57.9	65.3	65.0
50°	63.7	62.0	51.4	22.4	8.5	23.8	50.8	57.7	57.9
52.5°	57.7	55.2	46.2	20.0	7.4	20.8	46.2	51.7	51.7
55°	51.1	49.7	41.5	17.8	6.6	18.6	41.5	46.5	46.2
57.5°	43.2	42.9	37.2	16.1	6.0	16.4	37.2	40.2	39.1
60°	35.3	36.3	32.2	14.5	5.5	14.8	31.7	34.2	33.6
62.5°	29.5	30.9	28.1	12.8	4.6	13.1	26.8	29.2	28.7
65°	24.6	25.7	23.5	10.9	4.1	10.9	22.1	24.3	24.3
67.5°	20.2	21.0	19.4	9.0	3.6	9.0	18.0	20.0	20.2
70°	16.1	16.7	15.3	7.1	3.0	7.4	14.2	16.1	16.1
72.5°	12.6	12.8	12.0	5.7	2.7	5.7	10.9	12.6	12.6
75°	9.0	9.6	9.0	4.4	2.5	4.4	8.5	9.3	9.6
77.5°	5.2	6.6	6.6	3.6	1.9	3.3	6.0	6.3	6.3
80°	3.6	4.1	4.6	2.5	1.4	2.5	3.8	4.1	3.8
82.5°	2.5	2.7	2.7	1.6	1.1	1.6	2.5	2.7	2.5
85°	1.4	1.9	1.9	1.4	0.8	1.1	1.4	1.6	1.4
87.5°	0.8	1.1	1.4	1.1	0.8	0.8	0.8	0.8	0.5
90°	0.0	0.0	0.0	0.0	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)