

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: P799249

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDDWWMH**

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: P799249
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 6LBMDDWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

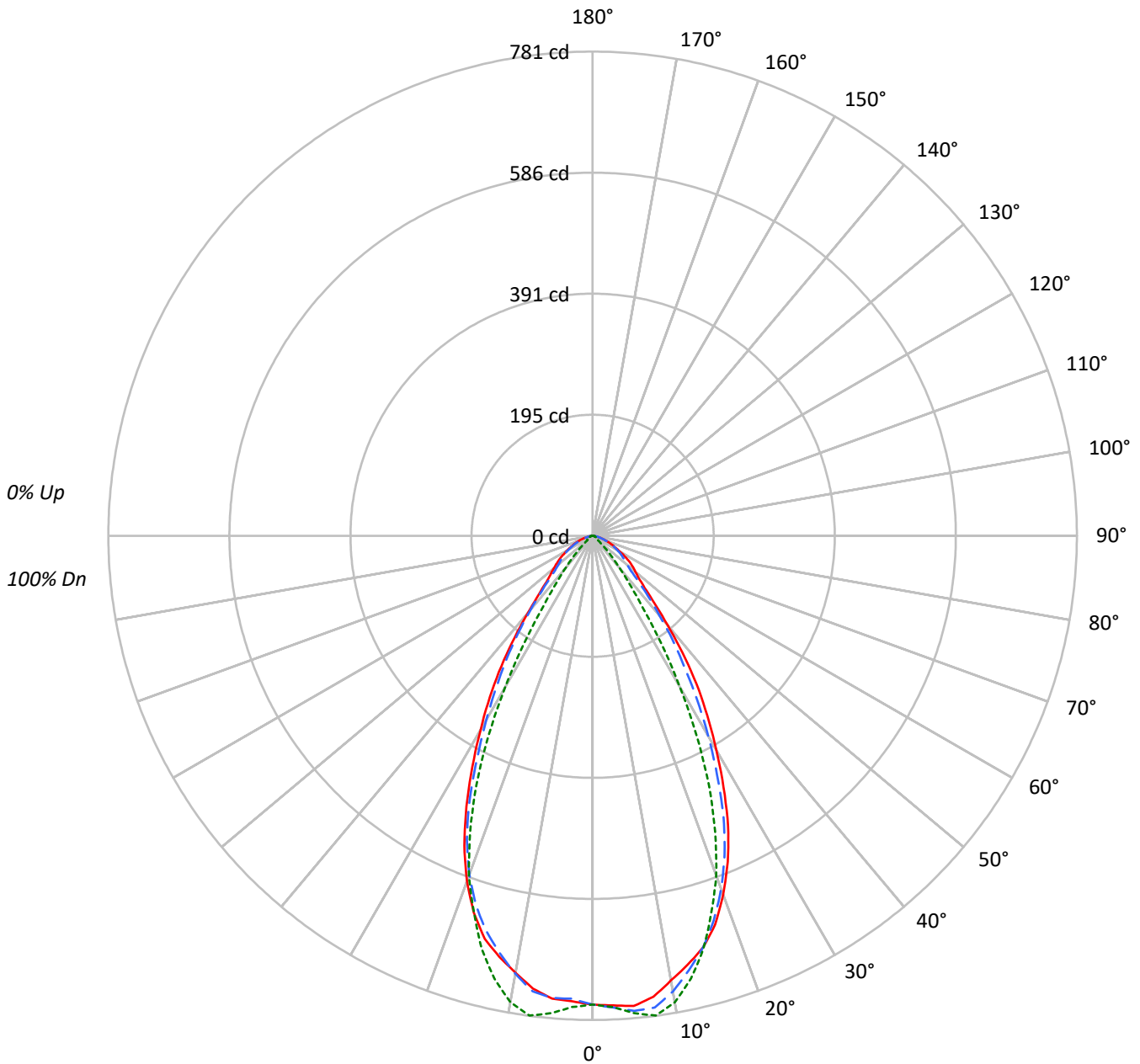
Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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				100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	41460	41460	41460
5°	41894	42532	41239
10°	40541	42529	39834
15°	39018	39172	38190
20°	35907	34023	34566
25°	31254	26832	29113
30°	25206	17826	22864
35°	19542	9189	17172
40°	13411	4766	11565
45°	9187	2388	8109
50°	7642	1015	6959
55°	6872	879	6212
60°	5438	844	5186
65°	4488	752	4436
70°	3638	673	3638
75°	2690	741	2859
80°	1578	600	1705
85°	1195	755	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	9.4
10°-20°	189.0	24.5
20°-30°	215.7	28.0
30°-40°	143.0	18.6
40°-50°	69.0	9.0
50°-60°	42.4	5.5
60°-70°	25.7	3.3
70°-80°	10.8	1.4
80°-90°	2.4	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°	476.7	61.9
0°-40°	619.7	80.5
0°-60°	731.1	95.0
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	756	756	756	756	756	
5°	761	769	773	748	749	72
15°	688	688	690	661	673	192
25°	517	499	444	469	481	234
35°	292	257	137	240	257	181
45°	118	104	31	97	105	97
55°	72	58	9	58	65	63
65°	35	33	6	31	34	35
75°	13	13	4	12	14	14
85°	2	3	1	2	2	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°	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3	756.3
2.5°	758.3	759.4	761.7	762.1	761.0	753.7	747.5	749.8	751.7
5°	761.3	763.7	769.4	774.8	772.9	760.6	748.3	747.9	749.4
7.5°	750.2	755.6	767.5	781.0	780.6	759.4	741.3	736.7	736.7
10°	728.3	733.3	746.3	764.4	764.0	737.5	717.5	715.2	715.6
12.5°	708.6	710.9	717.5	731.7	731.7	705.6	690.2	692.5	695.6
15°	687.5	689.0	687.5	692.1	690.2	668.6	660.9	668.2	672.9
17.5°	657.5	658.2	650.2	644.0	636.7	623.2	625.2	635.9	637.1
20°	615.5	620.5	605.9	590.1	583.2	570.5	581.3	593.2	592.5
22.5°	569.4	575.1	556.3	530.1	515.9	510.9	530.1	540.9	540.5
25°	516.7	520.9	499.4	462.8	443.6	442.8	469.3	480.5	481.3
27.5°	457.4	459.0	434.7	387.0	363.2	368.9	402.4	417.8	419.7
30°	398.2	397.4	372.4	313.2	281.6	297.4	342.4	359.3	361.2
32.5°	343.9	341.6	313.2	242.4	204.7	228.1	287.4	305.1	308.2
35°	292.0	288.1	257.4	179.3	137.3	172.4	240.1	255.4	256.6
37.5°	237.8	235.8	211.6	134.3	95.8	130.8	195.8	207.0	205.8
40°	187.4	187.4	167.3	99.6	66.6	97.3	155.0	165.0	161.6
42.5°	147.0	148.9	132.0	73.5	47.3	72.3	122.7	132.0	128.1
45°	118.5	118.5	103.9	54.6	30.8	53.9	96.9	105.4	104.6
47.5°	100.4	98.9	84.3	40.0	16.9	40.4	81.6	91.9	91.6
50°	89.6	87.3	72.3	31.5	11.9	33.5	71.6	81.2	81.6
52.5°	81.2	77.7	65.0	28.1	10.4	29.2	65.0	72.7	72.7
55°	71.9	70.0	58.5	25.0	9.2	26.2	58.5	65.4	65.0
57.5°	60.8	60.4	52.3	22.7	8.5	23.1	52.3	56.6	55.0
60°	49.6	51.2	45.4	20.4	7.7	20.8	44.6	48.1	47.3
62.5°	41.5	43.5	39.6	18.1	6.5	18.5	37.7	41.2	40.4
65°	34.6	36.2	33.1	15.4	5.8	15.4	31.2	34.2	34.2
67.5°	28.5	29.6	27.3	12.7	5.0	12.7	25.4	28.1	28.5
70°	22.7	23.5	21.5	10.0	4.2	10.4	20.0	22.7	22.7
72.5°	17.7	18.1	16.9	8.1	3.8	8.1	15.4	17.7	17.7
75°	12.7	13.5	12.7	6.2	3.5	6.2	11.9	13.1	13.5
77.5°	7.3	9.2	9.2	5.0	2.7	4.6	8.5	8.8	8.8
80°	5.0	5.8	6.5	3.5	1.9	3.5	5.4	5.8	5.4
82.5°	3.5	3.8	3.8	2.3	1.5	2.3	3.5	3.8	3.5
85°	1.9	2.7	2.7	1.9	1.2	1.5	1.9	2.3	1.9
87.5°	1.2	1.5	1.9	1.5	1.2	1.2	1.2	1.2	0.8
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)