

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: P799291

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDSWWMH**

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: P799291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08D010 EU6089050 6LBMDSWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

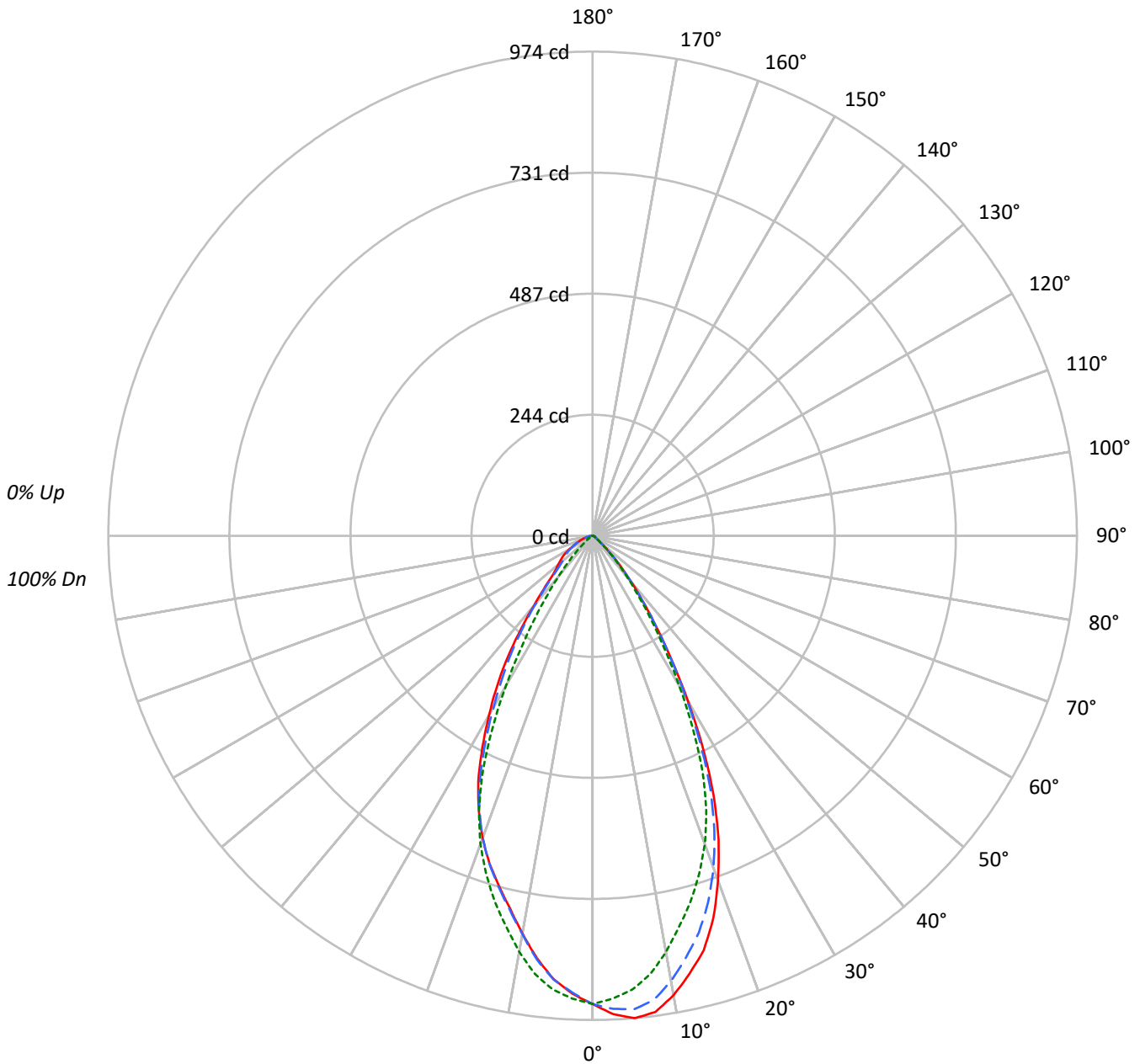
Lumens per Lamp: N/A
Luminaire Lumens: 811.0 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	51641	51641	51641
5°	53604	50429	49284
10°	52231	47299	45217
15°	48984	43218	41351
20°	43007	38474	37739
25°	34780	31611	32911
30°	24181	22022	26339
35°	14904	13492	19883
40°	8430	7564	13203
45°	4093	3907	9009
50°	1561	1561	7659
55°	851	1013	7073
60°	625	800	5789
65°	532	687	4748
70°	449	593	3911
75°	424	593	3347
80°	253	505	2431
85°	252	1006	2327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	10.6
10°-20°	216.7	26.7
20°-30°	244.0	30.1
30°-40°	151.1	18.6
40°-50°	60.2	7.4
50°-60°	27.4	3.4
60°-70°	15.8	1.9
70°-80°	7.5	0.9
80°-90°	2.2	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°	547.0	67.4
0°-40°	698.0	86.1
0°-60°	785.6	96.9
0°-90°	811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	942	942	942	942	942	
5°	974	956	916	896	896	92
15°	863	826	762	731	729	239
25°	575	560	523	536	544	258
35°	223	222	202	281	297	143
45°	53	53	50	110	116	45
55°	9	8	11	65	74	9
65°	4	4	5	36	37	4
75°	2	2	3	15	16	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LD6C08D010 EU6089050 6LBMSWWMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0	942.0
2.5°	963.5	954.6	952.5	944.8	931.8	924.5	920.0	916.8	922.5
5°	974.1	964.3	956.2	940.3	916.4	903.0	896.5	891.2	895.6
7.5°	966.3	952.5	941.6	919.6	889.1	868.4	859.5	853.4	857.4
10°	938.3	921.6	909.1	883.0	849.7	824.9	814.0	808.3	812.3
12.5°	901.7	887.9	868.8	840.4	804.6	778.6	770.5	766.0	767.6
15°	863.1	846.9	825.7	797.3	761.5	735.5	730.7	727.8	728.6
17.5°	807.1	791.2	772.9	745.3	712.4	691.2	691.2	689.2	690.4
20°	737.2	728.6	710.7	687.6	659.5	640.4	646.5	644.5	646.9
22.5°	661.6	655.1	639.6	620.5	597.0	581.9	595.3	594.9	598.2
25°	575.0	570.1	559.6	543.3	522.6	513.2	535.6	535.6	544.1
27.5°	479.5	474.6	467.3	453.5	436.4	433.6	466.5	470.6	479.9
30°	382.0	378.7	374.7	362.1	347.9	353.1	398.6	405.6	416.1
32.5°	295.0	293.0	291.8	280.4	267.8	285.3	337.3	346.2	356.8
35°	222.7	218.2	221.5	212.9	201.6	223.5	280.8	288.5	297.1
37.5°	164.2	160.9	163.8	157.7	147.5	171.5	225.5	230.4	236.1
40°	117.8	115.0	117.4	113.8	105.7	128.0	176.8	182.1	184.5
42.5°	83.7	78.8	81.3	78.4	74.4	96.3	139.0	143.9	144.7
45°	52.8	51.2	52.8	51.2	50.4	71.5	109.7	114.2	116.2
47.5°	32.1	30.1	30.1	29.3	30.1	52.8	90.6	97.1	100.4
50°	18.3	17.5	17.1	16.7	18.3	41.4	78.4	85.7	89.8
52.5°	12.2	11.8	11.8	11.4	13.4	34.9	70.7	77.2	81.3
55°	8.9	8.5	8.5	8.5	10.6	30.1	65.0	70.3	74.0
57.5°	6.9	6.9	6.9	6.5	8.9	25.6	58.1	61.0	63.8
60°	5.7	5.3	5.3	5.3	7.3	21.9	50.0	51.2	52.8
62.5°	4.5	4.5	4.5	4.5	6.1	19.5	43.1	43.1	43.9
65°	4.1	3.7	3.7	3.7	5.3	17.1	36.2	35.8	36.6
67.5°	3.3	3.3	3.3	3.3	4.5	14.6	29.7	29.3	30.1
70°	2.8	2.8	2.8	2.8	3.7	12.2	24.0	23.6	24.4
72.5°	2.4	2.4	2.4	2.4	3.3	10.2	19.1	19.1	19.5
75°	2.0	2.0	2.0	2.0	2.8	7.7	15.4	15.4	15.8
77.5°	1.6	1.6	1.6	1.6	2.0	6.1	11.8	11.4	11.4
80°	0.8	1.2	1.2	1.2	1.6	4.5	8.5	7.7	7.7
82.5°	0.4	0.8	0.8	0.8	1.6	3.3	5.7	5.3	5.3
85°	0.4	0.4	0.4	1.2	1.6	2.4	3.7	3.7	3.7
87.5°	0.0	0.4	0.8	1.6	2.0	2.0	2.4	2.0	2.0
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)