

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: P799257

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDDWH**

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: P799257
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 EU6089035 6LBMDDWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

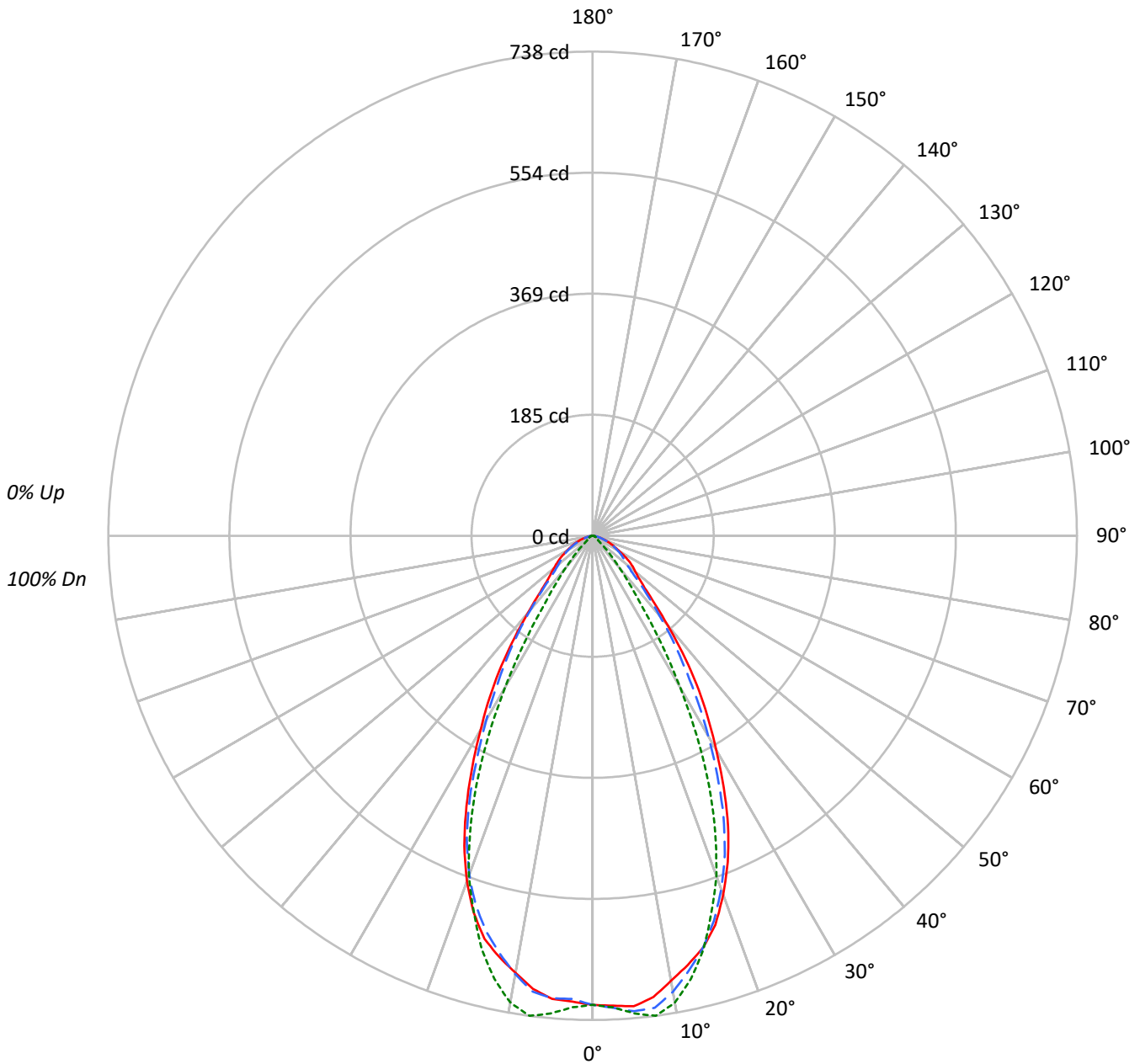
Lumens per Lamp: N/A
Luminaire Lumens: 728.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): 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
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°	39202	39202	39202
5°	39610	40210	38988
10°	38326	40213	37658
15°	36890	37032	36107
20°	33953	32168	32675
25°	29548	25368	27522
30°	23833	16851	21617
35°	18477	8693	16236
40°	12674	4501	10935
45°	8683	2256	7667
50°	7224	964	6575
55°	6499	832	5878
60°	5142	800	4901
65°	4242	713	4203
70°	3446	641	3446
75°	2542	699	2690
80°	1484	568	1610
85°	1132	692	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	9.4
10°-20°	178.7	24.5
20°-30°	203.9	28.0
30°-40°	135.2	18.6
40°-50°	65.2	9.0
50°-60°	40.1	5.5
60°-70°	24.3	3.3
70°-80°	10.2	1.4
80°-90°	2.3	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°	450.7	61.9
0°-40°	585.9	80.5
0°-60°	691.2	95.0
0°-90°	728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	728.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	715	715	715	715	715	
5°	720	728	731	707	708	68
15°	650	650	652	625	636	181
25°	488	472	419	444	455	222
35°	276	243	130	227	243	171
45°	112	98	29	92	99	91
55°	68	55	9	55	62	60
65°	33	31	6	30	32	33
75°	12	12	3	11	13	13
85°	2	2	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°	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1	715.1
2.5°	716.9	718.0	720.2	720.5	719.5	712.5	706.7	708.9	710.7
5°	719.8	722.0	727.5	732.5	730.7	719.1	707.4	707.1	708.5
7.5°	709.3	714.4	725.6	738.4	738.0	718.0	700.9	696.5	696.5
10°	688.5	693.3	705.6	722.7	722.4	697.3	678.4	676.2	676.5
12.5°	670.0	672.2	678.4	691.8	691.8	667.1	652.5	654.7	657.6
15°	650.0	651.4	650.0	654.3	652.5	632.2	624.9	631.8	636.2
17.5°	621.6	622.3	614.7	608.9	602.0	589.2	591.1	601.2	602.3
20°	582.0	586.7	572.9	558.0	551.4	539.4	549.6	560.9	560.1
22.5°	538.3	543.8	525.9	501.2	487.8	483.0	501.2	511.4	511.0
25°	488.5	492.5	472.1	437.6	419.4	418.7	443.7	454.3	455.0
27.5°	432.5	433.9	411.0	365.9	343.4	348.8	380.5	395.0	396.8
30°	376.5	375.7	352.1	296.1	266.2	281.2	323.7	339.7	341.5
32.5°	325.2	323.0	296.1	229.1	193.5	215.7	271.7	288.4	291.3
35°	276.1	272.4	243.3	169.5	129.9	162.9	227.0	241.5	242.6
37.5°	224.8	223.0	200.1	126.9	90.6	123.7	185.1	195.7	194.6
40°	177.1	177.1	158.2	94.2	62.9	92.0	146.6	156.0	152.8
42.5°	138.9	140.8	124.8	69.5	44.7	68.4	116.0	124.8	121.1
45°	112.0	112.0	98.2	51.6	29.1	50.9	91.7	99.7	98.9
47.5°	94.9	93.5	79.7	37.8	16.0	38.2	77.1	86.9	86.6
50°	84.7	82.6	68.4	29.8	11.3	31.6	67.7	76.7	77.1
52.5°	76.7	73.5	61.5	26.6	9.8	27.6	61.5	68.7	68.7
55°	68.0	66.2	55.3	23.6	8.7	24.7	55.3	61.8	61.5
57.5°	57.5	57.1	49.5	21.5	8.0	21.8	49.5	53.5	52.0
60°	46.9	48.4	42.9	19.3	7.3	19.6	42.2	45.5	44.7
62.5°	39.3	41.1	37.5	17.1	6.2	17.5	35.6	38.9	38.2
65°	32.7	34.2	31.3	14.5	5.5	14.5	29.5	32.4	32.4
67.5°	26.9	28.0	25.8	12.0	4.7	12.0	24.0	26.6	26.9
70°	21.5	22.2	20.4	9.5	4.0	9.8	18.9	21.5	21.5
72.5°	16.7	17.1	16.0	7.6	3.6	7.6	14.5	16.7	16.7
75°	12.0	12.7	12.0	5.8	3.3	5.8	11.3	12.4	12.7
77.5°	6.9	8.7	8.7	4.7	2.5	4.4	8.0	8.4	8.4
80°	4.7	5.5	6.2	3.3	1.8	3.3	5.1	5.5	5.1
82.5°	3.3	3.6	3.6	2.2	1.5	2.2	3.3	3.6	3.3
85°	1.8	2.5	2.5	1.8	1.1	1.5	1.8	2.2	1.8
87.5°	1.1	1.5	1.8	1.5	1.1	1.1	1.1	1.1	0.7
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)