

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: P799288

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDSWLI**

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: P799288
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 6LBMDSWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

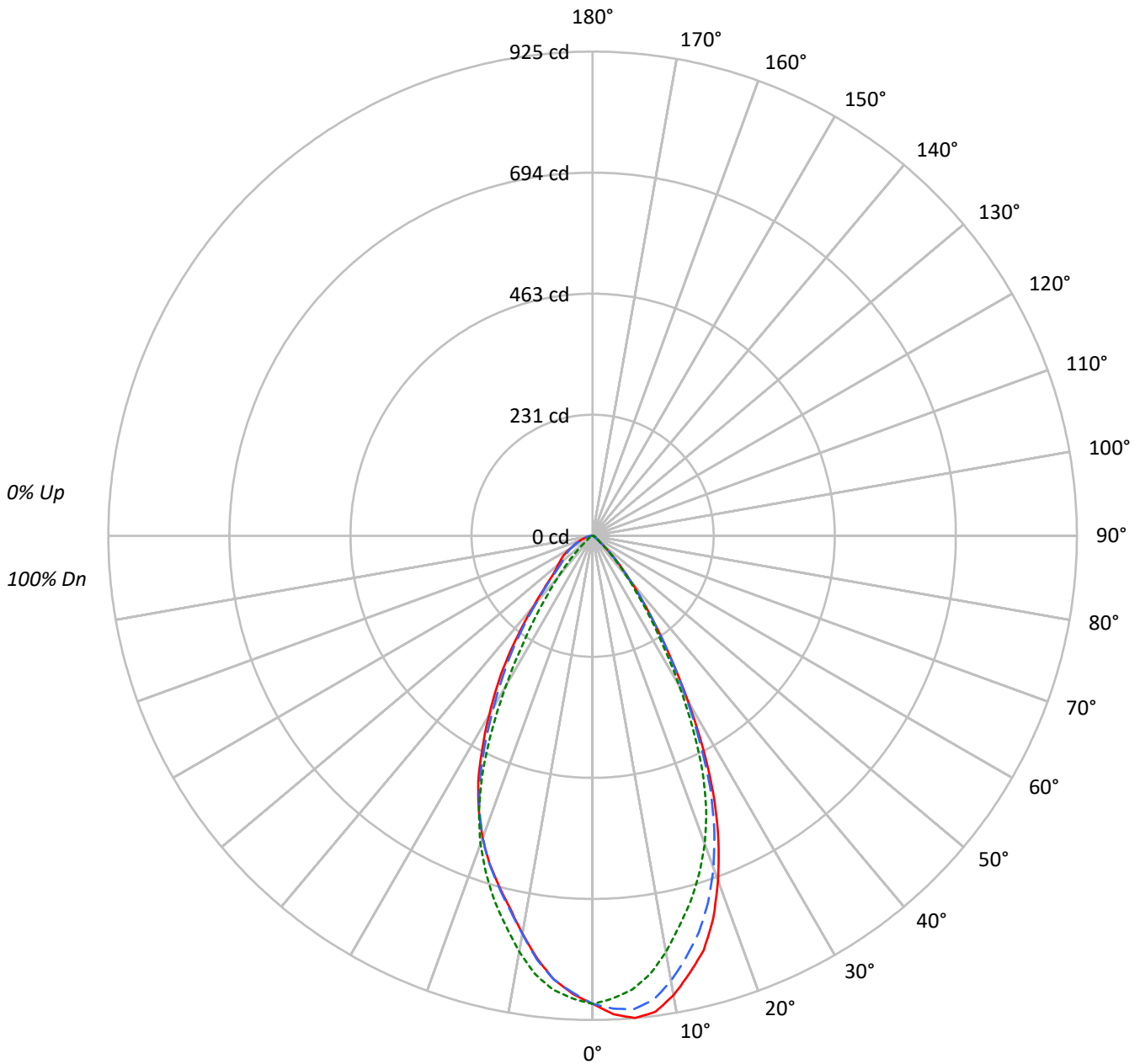
Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	49026	49026	49026
5°	50891	47876	46797
10°	49593	44911	42935
15°	46510	41033	39262
20°	40831	36532	35831
25°	33020	30014	31248
30°	22959	20908	25010
35°	14148	12809	18872
40°	8008	7178	12538
45°	3892	3706	8551
50°	1484	1484	7275
55°	812	956	6709
60°	592	757	5504
65°	506	649	4501
70°	433	561	3703
75°	402	572	3177
80°	253	474	2305
85°	252	943	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	10.6
10°-20°	205.8	26.7
20°-30°	231.7	30.1
30°-40°	143.4	18.6
40°-50°	57.1	7.4
50°-60°	26.0	3.4
60°-70°	15.0	1.9
70°-80°	7.1	0.9
80°-90°	2.1	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°	519.3	67.4
0°-40°	662.8	86.1
0°-60°	745.9	96.9
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°	894	894	894	894	894	
5°	925	908	870	851	850	87
15°	820	784	723	694	692	227
25°	546	531	496	508	517	245
35°	211	210	191	267	282	136
45°	50	50	48	104	110	43
55°	8	8	10	62	70	8
65°	4	4	5	34	35	4
75°	2	2	3	15	15	2
85°	0	0	2	4	4	0
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°	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3	894.3
2.5°	914.8	906.3	904.4	897.0	884.7	877.8	873.5	870.4	875.8
5°	924.8	915.6	907.8	892.8	870.0	857.3	851.1	846.1	850.4
7.5°	917.5	904.4	894.0	873.1	844.2	824.5	816.0	810.2	814.1
10°	890.9	875.1	863.1	838.4	806.8	783.2	772.8	767.4	771.3
12.5°	856.1	843.0	824.9	797.9	763.9	739.2	731.5	727.3	728.8
15°	819.5	804.1	784.0	757.0	723.0	698.3	693.7	691.0	691.8
17.5°	766.3	751.2	733.8	707.6	676.4	656.3	656.3	654.4	655.5
20°	699.9	691.8	674.8	652.8	626.2	608.1	613.8	611.9	614.2
22.5°	628.1	622.0	607.3	589.2	566.8	552.5	565.2	564.8	567.9
25°	545.9	541.3	531.3	515.8	496.2	487.3	508.5	508.5	516.6
27.5°	455.3	450.6	443.7	430.6	414.4	411.7	442.9	446.8	455.7
30°	362.7	359.6	355.7	343.8	330.3	335.3	378.5	385.1	395.1
32.5°	280.1	278.2	277.0	266.2	254.3	270.9	320.2	328.7	338.8
35°	211.4	207.2	210.3	202.2	191.4	212.2	266.6	273.9	282.0
37.5°	155.9	152.8	155.5	149.7	140.1	162.8	214.1	218.8	224.2
40°	111.9	109.2	111.5	108.0	100.3	121.5	167.8	172.9	175.2
42.5°	79.5	74.9	77.2	74.5	70.6	91.4	132.0	136.6	137.4
45°	50.2	48.6	50.2	48.6	47.8	67.9	104.2	108.4	110.3
47.5°	30.5	28.6	28.6	27.8	28.6	50.2	86.0	92.2	95.3
50°	17.4	16.6	16.2	15.8	17.4	39.4	74.5	81.4	85.3
52.5°	11.6	11.2	11.2	10.8	12.7	33.2	67.1	73.3	77.2
55°	8.5	8.1	8.1	8.1	10.0	28.6	61.7	66.7	70.2
57.5°	6.6	6.6	6.6	6.2	8.5	24.3	55.2	57.9	60.6
60°	5.4	5.0	5.0	5.0	6.9	20.8	47.5	48.6	50.2
62.5°	4.2	4.2	4.2	4.2	5.8	18.5	40.9	40.9	41.7
65°	3.9	3.5	3.5	3.5	5.0	16.2	34.3	34.0	34.7
67.5°	3.1	3.1	3.1	3.1	4.2	13.9	28.2	27.8	28.6
70°	2.7	2.7	2.7	2.7	3.5	11.6	22.8	22.4	23.1
72.5°	2.3	2.3	2.3	2.3	3.1	9.6	18.1	18.1	18.5
75°	1.9	1.9	1.9	1.9	2.7	7.3	14.7	14.7	15.0
77.5°	1.5	1.5	1.5	1.5	1.9	5.8	11.2	10.8	10.8
80°	0.8	1.2	1.2	1.2	1.5	4.2	8.1	7.3	7.3
82.5°	0.4	0.8	0.8	0.8	1.5	3.1	5.4	5.0	5.0
85°	0.4	0.4	0.4	1.2	1.5	2.3	3.5	3.5	3.5
87.5°	0.0	0.4	0.8	1.5	1.9	1.9	2.3	1.9	1.9
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)