

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: P799281

Luminaire Tested: **LD6C08D010 EU6089050 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: P799281
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 EU6089050 6LBMDDWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

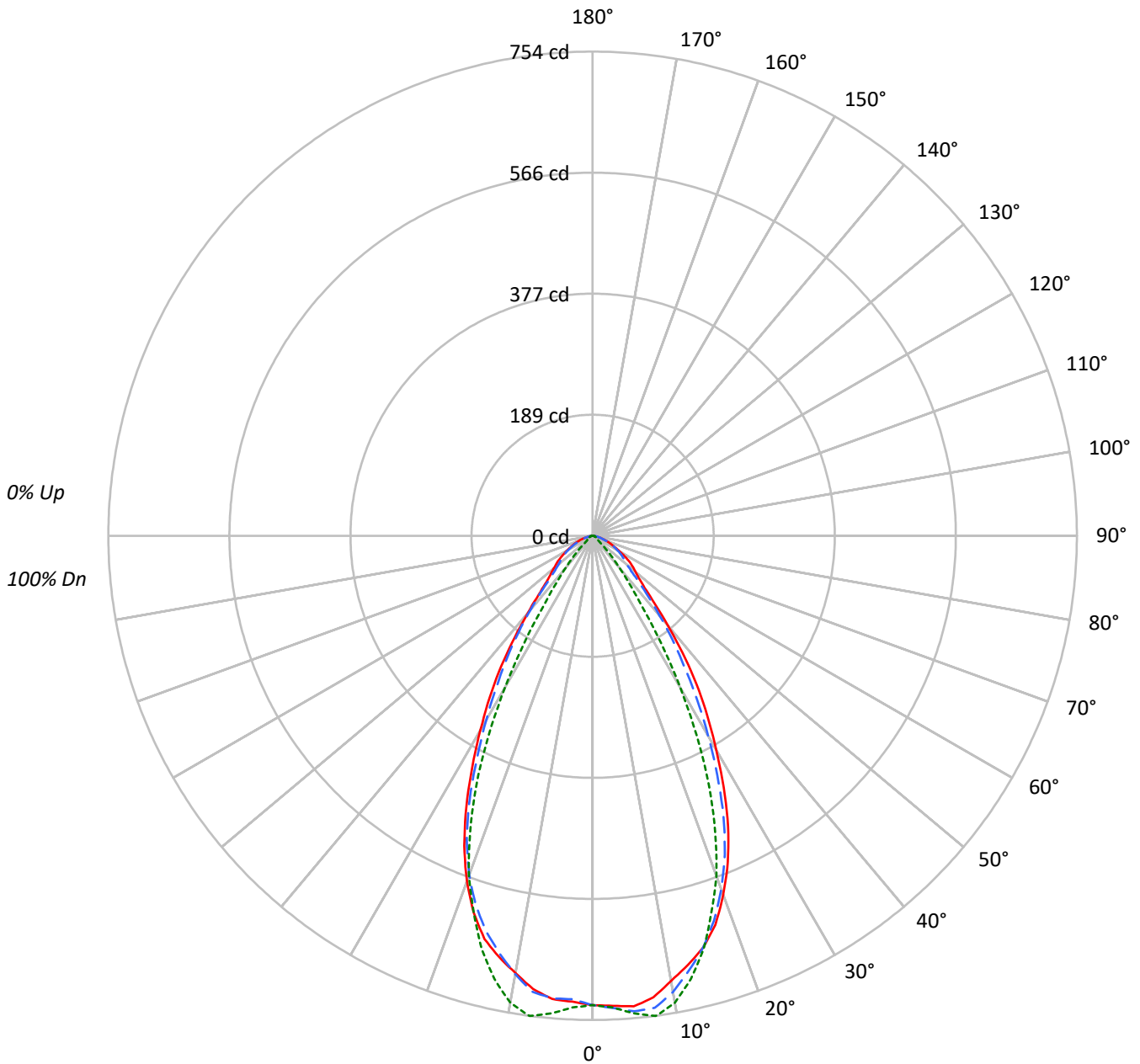
Lumens per Lamp: N/A
Luminaire Lumens: 744.0 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	40063	40063	40063
5°	40480	41096	39847
10°	39172	41093	38487
15°	37702	37849	36896
20°	34700	32874	33399
25°	30195	25925	28127
30°	24352	17224	22092
35°	18879	8881	16590
40°	12953	4601	11171
45°	8877	2303	7838
50°	7386	981	6720
55°	6643	851	6002
60°	5263	811	5011
65°	4345	726	4294
70°	3510	657	3510
75°	2605	699	2754
80°	1515	600	1642
85°	1195	692	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	9.4
10°-20°	182.6	24.5
20°-30°	208.4	28.0
30°-40°	138.2	18.6
40°-50°	66.7	9.0
50°-60°	41.0	5.5
60°-70°	24.8	3.3
70°-80°	10.4	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°	460.6	61.9
0°-40°	598.8	80.5
0°-60°	706.4	95.0
0°-90°	744.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	731	731	731	731	731	
5°	736	743	747	723	724	69
15°	664	664	667	639	650	185
25°	499	482	429	454	465	226
35°	282	249	133	232	248	174
45°	114	100	30	94	101	93
55°	70	56	9	56	63	61
65°	34	32	6	30	33	34
75°	12	12	3	12	13	13
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°	730.8	730.8	730.8	730.8	730.8	730.8	730.8	730.8	730.8
2.5°	732.7	733.8	736.0	736.4	735.3	728.2	722.3	724.5	726.3
5°	735.6	737.9	743.4	748.6	746.8	734.9	723.0	722.6	724.1
7.5°	724.9	730.1	741.6	754.6	754.2	733.8	716.3	711.8	711.8
10°	703.7	708.5	721.1	738.6	738.2	712.6	693.3	691.0	691.4
12.5°	684.7	686.9	693.3	707.0	707.0	681.7	666.9	669.1	672.1
15°	664.3	665.8	664.3	668.7	666.9	646.1	638.6	645.7	650.1
17.5°	635.3	636.0	628.2	622.3	615.2	602.2	604.0	614.5	615.6
20°	594.8	599.6	585.5	570.2	563.5	551.3	561.7	573.2	572.5
22.5°	550.1	555.7	537.5	512.2	498.5	493.6	512.2	522.6	522.3
25°	499.2	503.3	482.5	447.2	428.6	427.9	453.5	464.3	465.0
27.5°	442.0	443.5	420.0	374.0	350.9	356.5	388.8	403.7	405.5
30°	384.7	384.0	359.8	302.6	272.1	287.3	330.8	347.2	349.0
32.5°	332.3	330.1	302.6	234.2	197.8	220.4	277.7	294.8	297.7
35°	282.1	278.4	248.7	173.2	132.7	166.5	232.0	246.8	247.9
37.5°	229.7	227.9	204.4	129.7	92.6	126.4	189.2	200.0	198.9
40°	181.0	181.0	161.7	96.3	64.3	94.0	149.8	159.5	156.1
42.5°	142.0	143.9	127.5	71.0	45.7	69.9	118.6	127.5	123.8
45°	114.5	114.5	100.4	52.8	29.7	52.0	93.7	101.9	101.1
47.5°	97.0	95.5	81.4	38.7	16.4	39.0	78.8	88.8	88.5
50°	86.6	84.4	69.9	30.5	11.5	32.3	69.1	78.4	78.8
52.5°	78.4	75.1	62.8	27.1	10.0	28.3	62.8	70.3	70.3
55°	69.5	67.7	56.5	24.2	8.9	25.3	56.5	63.2	62.8
57.5°	58.7	58.4	50.6	21.9	8.2	22.3	50.6	54.6	53.2
60°	48.0	49.4	43.9	19.7	7.4	20.1	43.1	46.5	45.7
62.5°	40.1	42.0	38.3	17.5	6.3	17.8	36.4	39.8	39.0
65°	33.5	34.9	32.0	14.9	5.6	14.9	30.1	33.1	33.1
67.5°	27.5	28.6	26.4	12.3	4.8	12.3	24.5	27.1	27.5
70°	21.9	22.7	20.8	9.7	4.1	10.0	19.3	21.9	21.9
72.5°	17.1	17.5	16.4	7.8	3.7	7.8	14.9	17.1	17.1
75°	12.3	13.0	12.3	5.9	3.3	5.9	11.5	12.6	13.0
77.5°	7.1	8.9	8.9	4.8	2.6	4.5	8.2	8.5	8.5
80°	4.8	5.6	6.3	3.3	1.9	3.3	5.2	5.6	5.2
82.5°	3.3	3.7	3.7	2.2	1.5	2.2	3.3	3.7	3.3
85°	1.9	2.6	2.6	1.9	1.1	1.5	1.9	2.2	1.9
87.5°	1.1	1.5	1.9	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)