

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: P799258

Luminaire Tested: **LD6C08D010 EU6089035 6LBMDDWLI**

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: P799258
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 6LBMDDWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

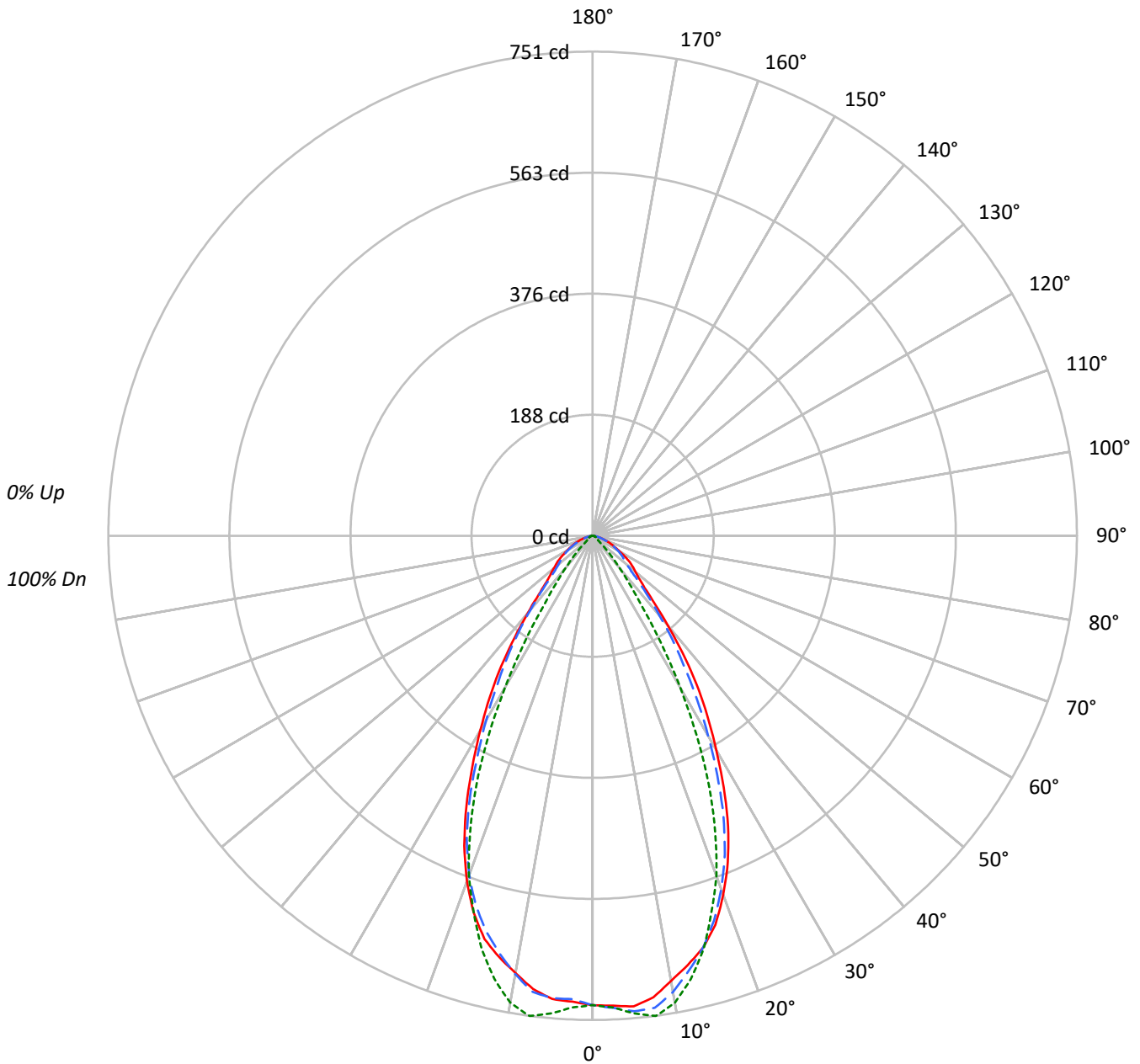
Lumens per Lamp: N/A
Luminaire Lumens: 741.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				
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			
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°	39904	39904	39904
5°	40320	40931	39687
10°	39011	40931	38332
15°	37548	37696	36748
20°	34560	32745	33259
25°	30074	25822	28012
30°	24257	17155	22003
35°	18805	8847	16523
40°	12903	4580	11128
45°	8838	2295	7807
50°	7360	981	6695
55°	6614	851	5983
60°	5241	811	4989
65°	4320	726	4268
70°	3494	657	3494
75°	2584	699	2754
80°	1515	600	1642
85°	1195	692	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	9.4
10°-20°	181.9	24.5
20°-30°	207.6	28.0
30°-40°	137.7	18.6
40°-50°	66.4	9.0
50°-60°	40.8	5.5
60°-70°	24.7	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°	458.7	61.9
0°-40°	596.4	80.5
0°-60°	703.6	95.0
0°-90°	741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	728	728	728	728	728	
5°	733	740	744	720	721	69
15°	662	662	664	636	648	184
25°	497	480	427	452	463	225
35°	281	248	132	231	247	174
45°	114	100	30	93	101	93
55°	69	56	9	56	63	61
65°	33	32	6	30	33	33
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°	727.9	727.9	727.9	727.9	727.9	727.9	727.9	727.9	727.9
2.5°	729.7	730.8	733.0	733.4	732.3	725.3	719.3	721.6	723.4
5°	732.7	734.9	740.4	745.6	743.8	731.9	720.1	719.7	721.2
7.5°	721.9	727.1	738.6	751.6	751.2	730.8	713.4	709.0	709.0
10°	700.8	705.6	718.2	735.6	735.3	709.7	690.5	688.2	688.6
12.5°	681.9	684.2	690.5	704.2	704.2	679.0	664.2	666.4	669.4
15°	661.6	663.1	661.6	666.0	664.2	643.4	636.0	643.1	647.5
17.5°	632.7	633.5	625.7	619.8	612.7	599.8	601.6	612.0	613.1
20°	592.4	597.2	583.1	567.9	561.3	549.0	559.4	570.9	570.1
22.5°	547.9	553.5	535.3	510.2	496.5	491.7	510.2	520.5	520.2
25°	497.2	501.3	480.5	445.4	426.9	426.1	451.7	462.4	463.1
27.5°	440.2	441.7	418.4	372.4	349.5	355.0	387.3	402.1	403.9
30°	383.2	382.4	358.4	301.4	271.0	286.2	329.5	345.8	347.6
32.5°	331.0	328.8	301.4	233.2	197.0	219.5	276.6	293.6	296.5
35°	281.0	277.3	247.7	172.5	132.2	165.9	231.0	245.8	246.9
37.5°	228.8	226.9	203.6	129.2	92.2	125.9	188.4	199.2	198.1
40°	180.3	180.3	161.0	95.9	64.0	93.7	149.2	158.8	155.5
42.5°	141.4	143.3	127.0	70.7	45.5	69.6	118.1	127.0	123.3
45°	114.0	114.0	100.0	52.6	29.6	51.8	93.3	101.4	100.7
47.5°	96.6	95.1	81.1	38.5	16.3	38.9	78.5	88.5	88.1
50°	86.3	84.0	69.6	30.4	11.5	32.2	68.9	78.1	78.5
52.5°	78.1	74.8	62.6	27.0	10.0	28.1	62.6	70.0	70.0
55°	69.2	67.4	56.3	24.1	8.9	25.2	56.3	62.9	62.6
57.5°	58.5	58.1	50.4	21.8	8.1	22.2	50.4	54.4	52.9
60°	47.8	49.2	43.7	19.6	7.4	20.0	42.9	46.3	45.5
62.5°	40.0	41.8	38.1	17.4	6.3	17.8	36.3	39.6	38.9
65°	33.3	34.8	31.8	14.8	5.6	14.8	30.0	32.9	32.9
67.5°	27.4	28.5	26.3	12.2	4.8	12.2	24.4	27.0	27.4
70°	21.8	22.6	20.7	9.6	4.1	10.0	19.3	21.8	21.8
72.5°	17.0	17.4	16.3	7.8	3.7	7.8	14.8	17.0	17.0
75°	12.2	13.0	12.2	5.9	3.3	5.9	11.5	12.6	13.0
77.5°	7.0	8.9	8.9	4.8	2.6	4.4	8.1	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)