

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: P799270

Luminaire Tested: **LD6C08D010 EU6089040 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: P799270
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 EU6089040 6LBMDDWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

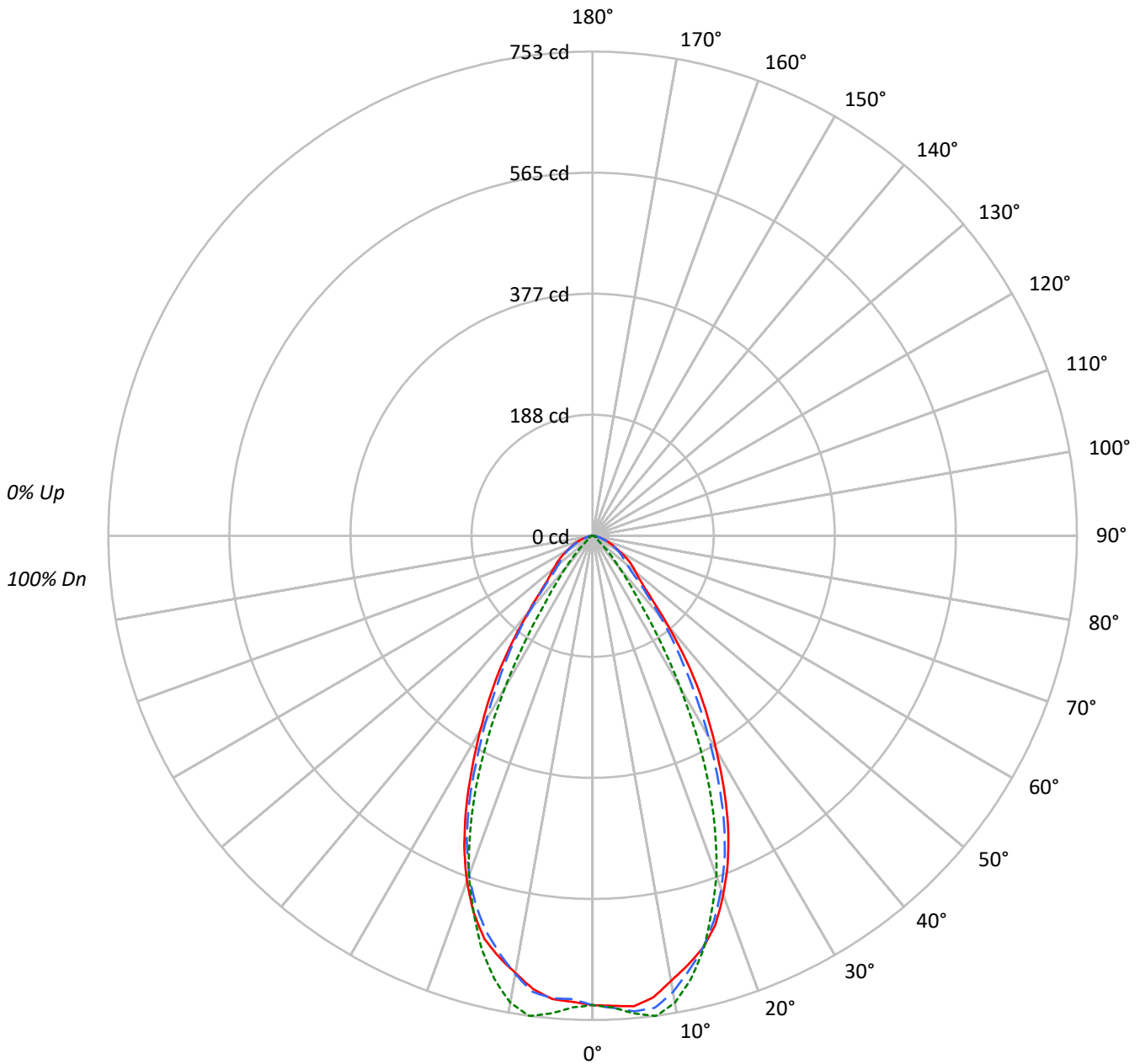
Lumens per Lamp: N/A
Luminaire Lumens: 743.0 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799270

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDDWLI

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°	40008	40008	40008
5°	40425	41041	39792
10°	39116	41037	38437
15°	37651	37798	36850
20°	34653	32833	33352
25°	30159	25889	28090
30°	24320	17199	22067
35°	18859	8867	16570
40°	12939	4594	11157
45°	8861	2303	7830
50°	7377	981	6712
55°	6633	851	5993
60°	5252	811	5011
65°	4333	726	4281
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°	69.5	9.4
10°-20°	182.3	24.5
20°-30°	208.1	28.0
30°-40°	138.0	18.6
40°-50°	66.6	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°	459.9	61.9
0°-40°	598.0	80.5
0°-60°	705.5	95.0
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	730	730	730	730	730	
5°	735	742	746	722	723	69
15°	663	663	666	638	649	185
25°	499	482	428	453	464	226
35°	282	248	132	232	248	174
45°	114	100	30	94	101	93
55°	69	56	9	56	63	61
65°	33	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°	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8	729.8
2.5°	731.7	732.8	735.0	735.4	734.3	727.2	721.3	723.5	725.4
5°	734.6	736.9	742.4	747.6	745.8	733.9	722.0	721.7	723.1
7.5°	723.9	729.1	740.6	753.6	753.2	732.8	715.3	710.9	710.9
10°	702.7	707.5	720.2	737.6	737.2	711.6	692.3	690.1	690.5
12.5°	683.8	686.0	692.3	706.1	706.1	680.8	666.0	668.2	671.2
15°	663.4	664.9	663.4	667.8	666.0	645.2	637.8	644.8	649.3
17.5°	634.4	635.2	627.4	621.4	614.4	601.4	603.2	613.6	614.7
20°	594.0	598.8	584.7	569.5	562.8	550.5	560.9	572.4	571.7
22.5°	549.4	555.0	536.8	511.5	497.8	493.0	511.5	521.9	521.6
25°	498.6	502.6	481.8	446.6	428.0	427.3	452.9	463.7	464.4
27.5°	441.4	442.9	419.5	373.4	350.4	356.0	388.3	403.1	405.0
30°	384.2	383.5	359.3	302.2	271.7	287.0	330.4	346.7	348.6
32.5°	331.9	329.6	302.2	233.9	197.5	220.1	277.3	294.4	297.3
35°	281.8	278.0	248.3	173.0	132.5	166.3	231.6	246.5	247.6
37.5°	229.4	227.6	204.2	129.6	92.4	126.2	189.0	199.7	198.6
40°	180.8	180.8	161.5	96.1	64.2	93.9	149.6	159.3	155.9
42.5°	141.8	143.7	127.3	70.9	45.7	69.8	118.4	127.3	123.6
45°	114.3	114.3	100.2	52.7	29.7	52.0	93.5	101.7	101.0
47.5°	96.9	95.4	81.3	38.6	16.3	39.0	78.7	88.7	88.4
50°	86.5	84.3	69.8	30.4	11.5	32.3	69.0	78.3	78.7
52.5°	78.3	75.0	62.7	27.1	10.0	28.2	62.7	70.2	70.2
55°	69.4	67.6	56.4	24.1	8.9	25.2	56.4	63.1	62.7
57.5°	58.7	58.3	50.5	21.9	8.2	22.3	50.5	54.6	53.1
60°	47.9	49.4	43.8	19.7	7.4	20.0	43.1	46.4	45.7
62.5°	40.1	41.9	38.2	17.4	6.3	17.8	36.4	39.7	39.0
65°	33.4	34.9	31.9	14.8	5.6	14.8	30.1	33.0	33.0
67.5°	27.5	28.6	26.4	12.3	4.8	12.3	24.5	27.1	27.5
70°	21.9	22.6	20.8	9.7	4.1	10.0	19.3	21.9	21.9
72.5°	17.1	17.4	16.3	7.8	3.7	7.8	14.8	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)