

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: P799246

Luminaire Tested: **LD6C08D010 EU6089030 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: P799246
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 EU6089030 6LBMDDWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

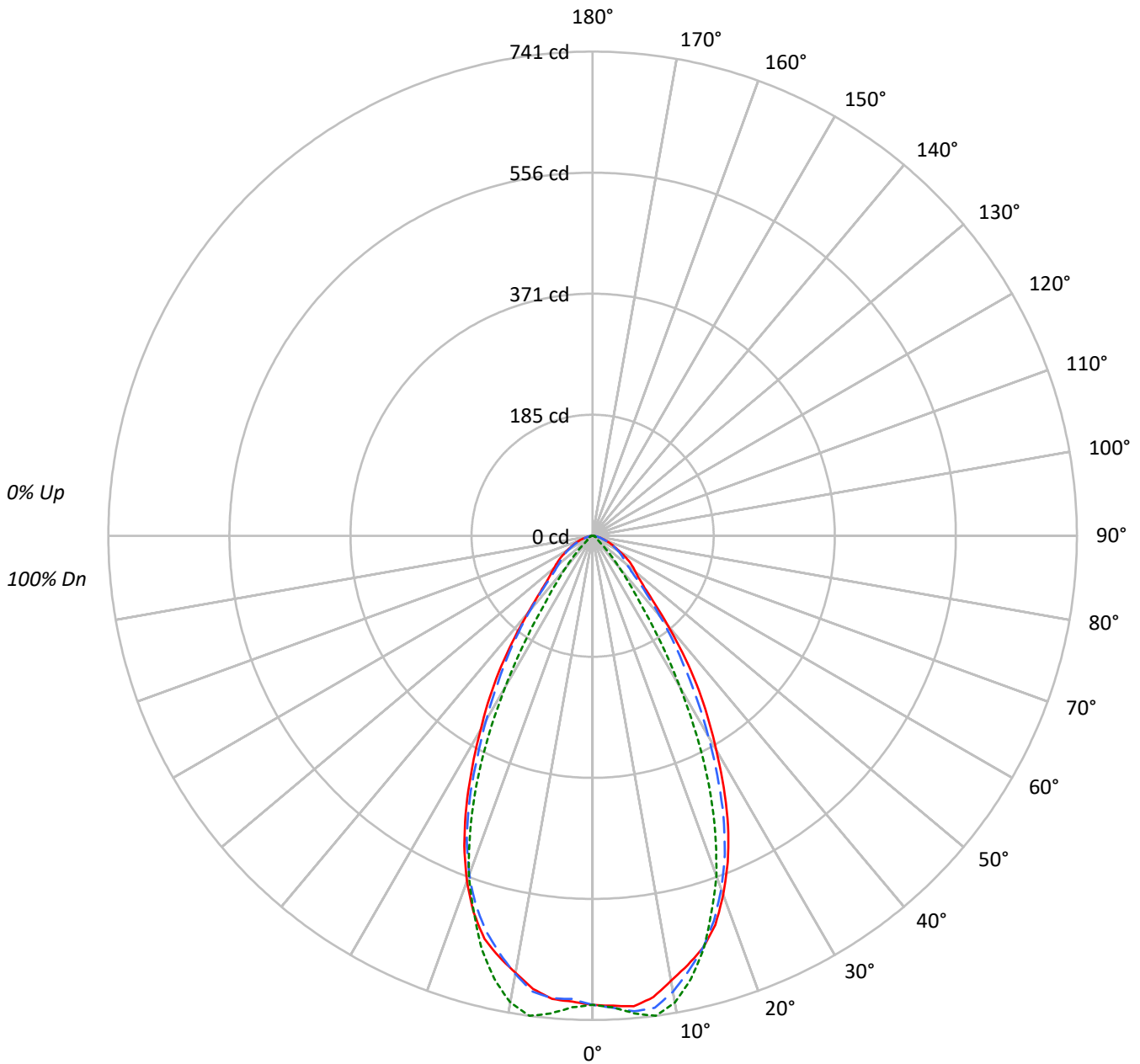
Lumens per Lamp: N/A
Luminaire Lumens: 731.0 lumens
Efficiency: N/A
Efficacy: 73.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799246

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDDWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799246

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDDWLI

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	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°	39361	39361	39361
5°	39775	40375	39154
10°	38487	40374	37814
15°	37043	37185	36254
20°	34093	32302	32810
25°	29669	25471	27637
30°	23928	16920	21706
35°	18551	8727	16302
40°	12731	4523	10978
45°	8722	2264	7698
50°	7258	964	6601
55°	6528	841	5897
60°	5164	800	4923
65°	4268	713	4216
70°	3446	641	3446
75°	2563	699	2711
80°	1484	568	1610
85°	1132	692	1132



TEST NUMBER: P799246

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDDWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	9.3
10°-20°	179.4	24.5
20°-30°	204.8	28.0
30°-40°	135.8	18.6
40°-50°	65.5	9.0
50°-60°	40.3	5.5
60°-70°	24.4	3.3
70°-80°	10.3	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°	452.5	61.9
0°-40°	588.3	80.5
0°-60°	694.1	94.9
0°-90°	731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	718	718	718	718	718	
5°	723	730	734	710	712	68
15°	653	653	655	628	639	182
25°	490	474	421	446	457	222
35°	277	244	130	228	244	171
45°	112	99	29	92	99	92
55°	68	56	9	56	62	60
65°	33	31	6	30	32	33
75°	12	12	3	11	13	13
85°	2	3	1	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P799246

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDDWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0	718.0
2.5°	719.9	721.0	723.1	723.5	722.4	715.5	709.6	711.8	713.7
5°	722.8	725.0	730.5	735.6	733.7	722.1	710.4	710.0	711.5
7.5°	712.2	717.3	728.6	741.4	741.0	721.0	703.8	699.4	699.4
10°	691.4	696.1	708.5	725.7	725.3	700.1	681.1	679.0	679.3
12.5°	672.7	674.9	681.1	694.7	694.7	669.8	655.2	657.4	660.3
15°	652.7	654.1	652.7	657.0	655.2	634.8	627.5	634.4	638.8
17.5°	624.2	624.9	617.2	611.4	604.4	591.7	593.5	603.7	604.8
20°	584.4	589.1	575.2	560.3	553.7	541.6	551.9	563.2	562.4
22.5°	540.5	546.0	528.1	503.3	489.8	485.0	503.3	513.5	513.1
25°	490.5	494.5	474.1	439.4	421.1	420.4	445.6	456.2	456.9
27.5°	434.3	435.7	412.7	367.4	344.8	350.3	382.0	396.6	398.5
30°	378.0	377.3	353.5	297.3	267.3	282.3	325.1	341.1	342.9
32.5°	326.5	324.3	297.3	230.1	194.3	216.6	272.8	289.6	292.5
35°	277.2	273.6	244.3	170.2	130.4	163.6	227.9	242.5	243.6
37.5°	225.7	223.9	200.9	127.5	90.9	124.2	185.9	196.5	195.4
40°	177.9	177.9	158.9	94.6	63.2	92.4	147.2	156.7	153.4
42.5°	139.5	141.3	125.3	69.8	44.9	68.7	116.5	125.3	121.6
45°	112.5	112.5	98.6	51.9	29.2	51.1	92.0	100.1	99.3
47.5°	95.3	93.9	80.0	38.0	16.1	38.3	77.4	87.3	86.9
50°	85.1	82.9	68.7	29.9	11.3	31.8	67.9	77.1	77.4
52.5°	77.1	73.8	61.7	26.7	9.9	27.8	61.7	69.0	69.0
55°	68.3	66.5	55.5	23.7	8.8	24.8	55.5	62.1	61.7
57.5°	57.7	57.3	49.7	21.5	8.0	21.9	49.7	53.7	52.2
60°	47.1	48.6	43.1	19.4	7.3	19.7	42.4	45.7	44.9
62.5°	39.4	41.3	37.6	17.2	6.2	17.5	35.8	39.1	38.3
65°	32.9	34.3	31.4	14.6	5.5	14.6	29.6	32.5	32.5
67.5°	27.0	28.1	25.9	12.1	4.7	12.1	24.1	26.7	27.0
70°	21.5	22.3	20.5	9.5	4.0	9.9	19.0	21.5	21.5
72.5°	16.8	17.2	16.1	7.7	3.7	7.7	14.6	16.8	16.8
75°	12.1	12.8	12.1	5.8	3.3	5.8	11.3	12.4	12.8
77.5°	6.9	8.8	8.8	4.7	2.6	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	3.7	3.7	2.2	1.5	2.2	3.3	3.7	3.3
85°	1.8	2.6	2.6	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)