

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: P799305

Luminaire Tested: **LD6C10D010 EU6109030 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: P799305
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: LD6C10D010 EU6109030 6LBMDDWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

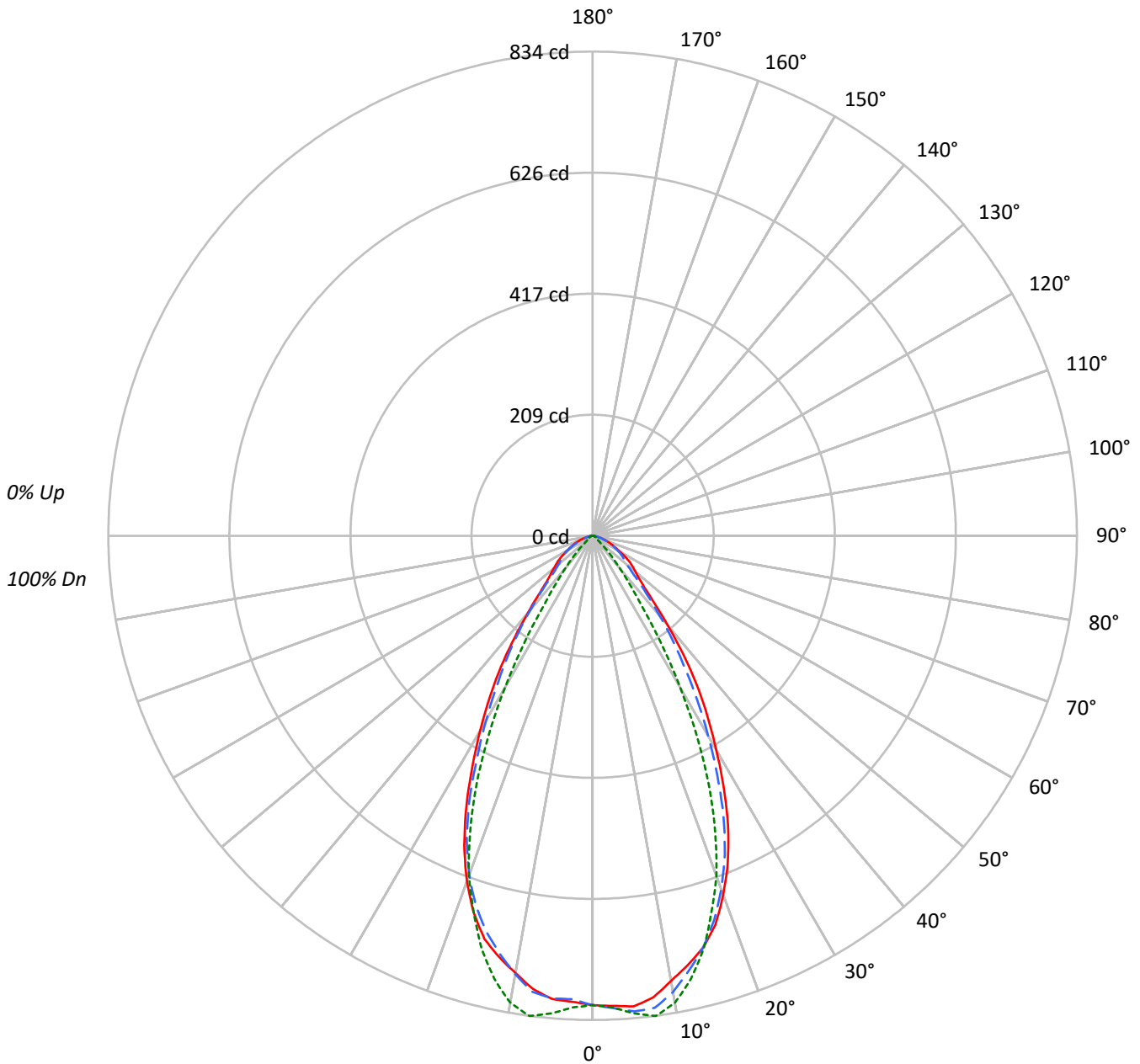
Lumens per Lamp: N/A
Luminaire Lumens: 823.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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°	44317	44317	44317
5°	44778	45460	44079
10°	43330	45457	42573
15°	41703	41867	40817
20°	38381	36368	36940
25°	33401	28677	31115
30°	26941	19054	24440
35°	20887	9824	18357
40°	14334	5088	12359
45°	9815	2551	8668
50°	8170	1083	7437
55°	7350	946	6643
60°	5811	899	5548
65°	4799	804	4748
70°	3895	721	3895
75°	2881	784	3050
80°	1673	663	1831
85°	1321	755	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.0	9.3
10°-20°	202.0	24.5
20°-30°	230.5	28.0
30°-40°	152.9	18.6
40°-50°	73.7	9.0
50°-60°	45.4	5.5
60°-70°	27.4	3.3
70°-80°	11.5	1.4
80°-90°	2.5	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°	509.5	61.9
0°-40°	662.4	80.5
0°-60°	781.5	95.0
0°-90°	823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	823.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	808	808	808	808	808	
5°	814	822	826	800	801	76
15°	735	735	738	706	719	205
25°	552	534	474	502	514	250
35°	312	275	147	257	274	193
45°	127	111	33	104	112	103
55°	77	62	10	62	70	68
65°	37	35	6	33	37	37
75°	14	14	4	13	14	14
85°	2	3	1	2	2	3
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°	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4	808.4
2.5°	810.5	811.7	814.2	814.6	813.3	805.5	798.9	801.4	803.5
5°	813.7	816.2	822.4	828.1	826.1	812.9	799.8	799.4	801.0
7.5°	801.8	807.6	820.3	834.7	834.3	811.7	792.4	787.4	787.4
10°	778.4	783.7	797.7	817.0	816.6	788.3	766.9	764.4	764.8
12.5°	757.4	759.9	766.9	782.1	782.1	754.1	737.7	740.1	743.4
15°	734.8	736.4	734.8	739.7	737.7	714.7	706.4	714.2	719.2
17.5°	702.7	703.5	694.9	688.3	680.5	666.1	668.2	679.7	680.9
20°	657.9	663.3	647.6	630.8	623.4	609.8	621.3	634.1	633.2
22.5°	608.6	614.7	594.6	566.6	551.4	546.1	566.6	578.1	577.7
25°	552.2	556.8	533.7	494.7	474.1	473.3	501.7	513.6	514.4
27.5°	488.9	490.6	464.6	413.7	388.2	394.3	430.1	446.6	448.6
30°	425.6	424.8	398.0	334.7	301.0	317.9	366.0	384.1	386.1
32.5°	367.6	365.1	334.7	259.1	218.8	243.8	307.2	326.1	329.4
35°	312.1	308.0	275.1	191.6	146.8	184.2	256.6	273.0	274.3
37.5°	254.1	252.1	226.2	143.5	102.4	139.8	209.3	221.2	220.0
40°	200.3	200.3	178.9	106.5	71.1	104.0	165.7	176.4	172.7
42.5°	157.1	159.1	141.0	78.5	50.6	77.3	131.2	141.0	136.9
45°	126.6	126.6	111.0	58.4	32.9	57.6	103.6	112.7	111.8
47.5°	107.3	105.7	90.1	42.8	18.1	43.2	87.2	98.3	97.9
50°	95.8	93.3	77.3	33.7	12.7	35.8	76.5	86.8	87.2
52.5°	86.8	83.1	69.5	30.0	11.1	31.3	69.5	77.7	77.7
55°	76.9	74.8	62.5	26.7	9.9	28.0	62.5	69.9	69.5
57.5°	65.0	64.6	55.9	24.3	9.0	24.7	55.9	60.4	58.8
60°	53.0	54.7	48.5	21.8	8.2	22.2	47.7	51.4	50.6
62.5°	44.4	46.5	42.4	19.3	7.0	19.7	40.3	44.0	43.2
65°	37.0	38.7	35.4	16.4	6.2	16.4	33.3	36.6	36.6
67.5°	30.4	31.7	29.2	13.6	5.3	13.6	27.1	30.0	30.4
70°	24.3	25.1	23.0	10.7	4.5	11.1	21.4	24.3	24.3
72.5°	18.9	19.3	18.1	8.6	4.1	8.6	16.4	18.9	18.9
75°	13.6	14.4	13.6	6.6	3.7	6.6	12.7	14.0	14.4
77.5°	7.8	9.9	9.9	5.3	2.9	4.9	9.0	9.5	9.5
80°	5.3	6.2	7.0	3.7	2.1	3.7	5.8	6.2	5.8
82.5°	3.7	4.1	4.1	2.5	1.6	2.5	3.7	4.1	3.7
85°	2.1	2.9	2.9	2.1	1.2	1.6	2.1	2.5	2.1
87.5°	1.2	1.6	2.1	1.6	1.2	1.2	1.2	1.2	0.8
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)