

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: P799330

Luminaire Tested: **LD6C10D010 EU6109040 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: P799330
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 EU6109040 6LBMDDWLI
Description: 6 INCH 1000 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

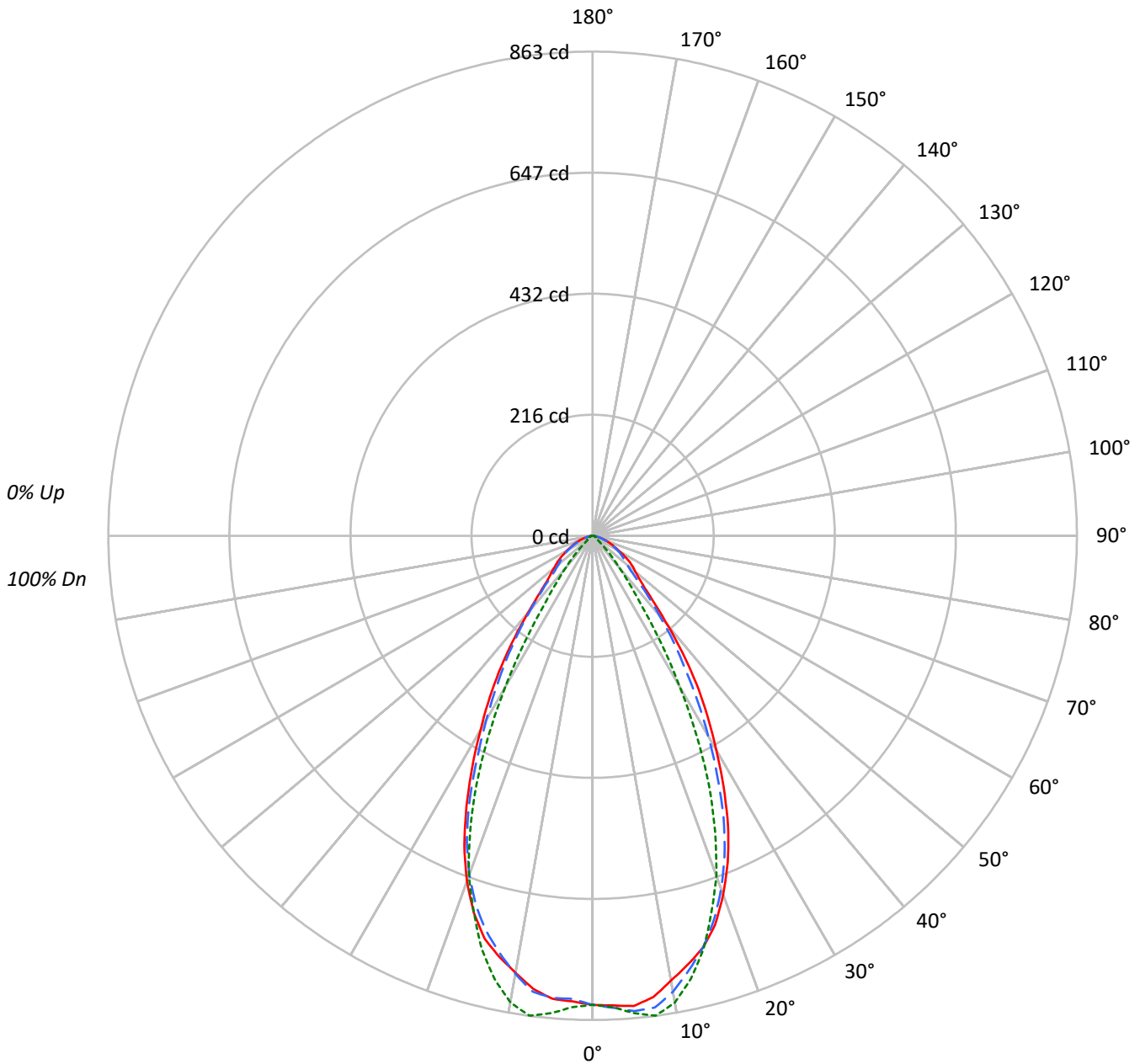
Lumens per Lamp: N/A
Luminaire Lumens: 851.0 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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				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			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°	45824	45824	45824
5°	46302	47006	45581
10°	44805	47004	44021
15°	43122	43292	42202
20°	39688	37605	38200
25°	34538	29651	32173
30°	27859	19699	25270
35°	21596	10159	18979
40°	14821	5267	12781
45°	10156	2636	8962
50°	8452	1126	7684
55°	7598	975	6872
60°	6008	932	5734
65°	4968	830	4903
70°	4023	753	4023
75°	2965	805	3156
80°	1736	663	1894
85°	1321	818	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	9.4
10°-20°	208.8	24.5
20°-30°	238.4	28.0
30°-40°	158.1	18.6
40°-50°	76.2	9.0
50°-60°	46.9	5.5
60°-70°	28.4	3.3
70°-80°	11.9	1.4
80°-90°	2.6	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°	526.8	61.9
0°-40°	684.9	80.5
0°-60°	808.0	95.0
0°-90°	851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	836	836	836	836	836	
5°	841	850	854	827	828	79
15°	760	760	763	730	744	212
25°	571	552	490	519	532	259
35°	323	284	152	265	284	200
45°	131	115	34	107	116	107
55°	80	65	10	65	72	70
65°	38	37	6	34	38	38
75°	14	14	4	13	15	15
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°	835.9	835.9	835.9	835.9	835.9	835.9	835.9	835.9	835.9
2.5°	838.0	839.3	841.9	842.3	841.0	832.9	826.1	828.7	830.8
5°	841.4	844.0	850.4	856.3	854.2	840.6	827.0	826.6	828.3
7.5°	829.1	835.1	848.2	863.1	862.7	839.3	819.3	814.2	814.2
10°	804.9	810.4	824.9	844.8	844.4	815.1	793.0	790.4	790.8
12.5°	783.2	785.7	793.0	808.7	808.7	779.8	762.8	765.3	768.7
15°	759.8	761.5	759.8	764.9	762.8	739.0	730.5	738.5	743.6
17.5°	726.6	727.5	718.6	711.8	703.7	688.8	690.9	702.8	704.1
20°	680.3	685.8	669.7	652.2	644.6	630.5	642.4	655.6	654.8
22.5°	629.3	635.6	614.8	585.9	570.2	564.6	585.9	597.8	597.4
25°	571.0	575.7	551.9	511.5	490.2	489.4	518.7	531.1	531.9
27.5°	505.5	507.2	480.5	427.7	401.4	407.7	444.7	461.7	463.9
30°	440.1	439.2	411.6	346.1	311.2	328.7	378.4	397.1	399.2
32.5°	380.1	377.6	346.1	267.9	226.2	252.1	317.6	337.2	340.6
35°	322.7	318.5	284.4	198.1	151.8	190.5	265.3	282.3	283.6
37.5°	262.8	260.6	233.8	148.4	105.9	144.6	216.4	228.7	227.5
40°	207.1	207.1	185.0	110.1	73.6	107.6	171.3	182.4	178.6
42.5°	162.4	164.5	145.8	81.2	52.3	79.9	135.6	145.8	141.6
45°	131.0	131.0	114.8	60.4	34.0	59.5	107.1	116.5	115.6
47.5°	111.0	109.3	93.1	44.2	18.7	44.6	90.1	101.6	101.2
50°	99.1	96.5	79.9	34.9	13.2	37.0	79.1	89.7	90.1
52.5°	89.7	85.9	71.9	31.0	11.5	32.3	71.9	80.4	80.4
55°	79.5	77.4	64.6	27.6	10.2	28.9	64.6	72.3	71.9
57.5°	67.2	66.8	57.8	25.1	9.4	25.5	57.8	62.5	60.8
60°	54.8	56.5	50.2	22.5	8.5	23.0	49.3	53.1	52.3
62.5°	45.9	48.0	43.8	20.0	7.2	20.4	41.7	45.5	44.6
65°	38.3	40.0	36.6	17.0	6.4	17.0	34.4	37.8	37.8
67.5°	31.5	32.7	30.2	14.0	5.5	14.0	28.1	31.0	31.5
70°	25.1	25.9	23.8	11.1	4.7	11.5	22.1	25.1	25.1
72.5°	19.6	20.0	18.7	8.9	4.3	8.9	17.0	19.6	19.6
75°	14.0	14.9	14.0	6.8	3.8	6.8	13.2	14.5	14.9
77.5°	8.1	10.2	10.2	5.5	3.0	5.1	9.4	9.8	9.8
80°	5.5	6.4	7.2	3.8	2.1	3.8	6.0	6.4	6.0
82.5°	3.8	4.3	4.3	2.6	1.7	2.6	3.8	4.3	3.8
85°	2.1	3.0	3.0	2.1	1.3	1.7	2.1	2.6	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	0.9
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)