

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: P799312

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDSWLI**

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: P799312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109030 6LBMDSWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

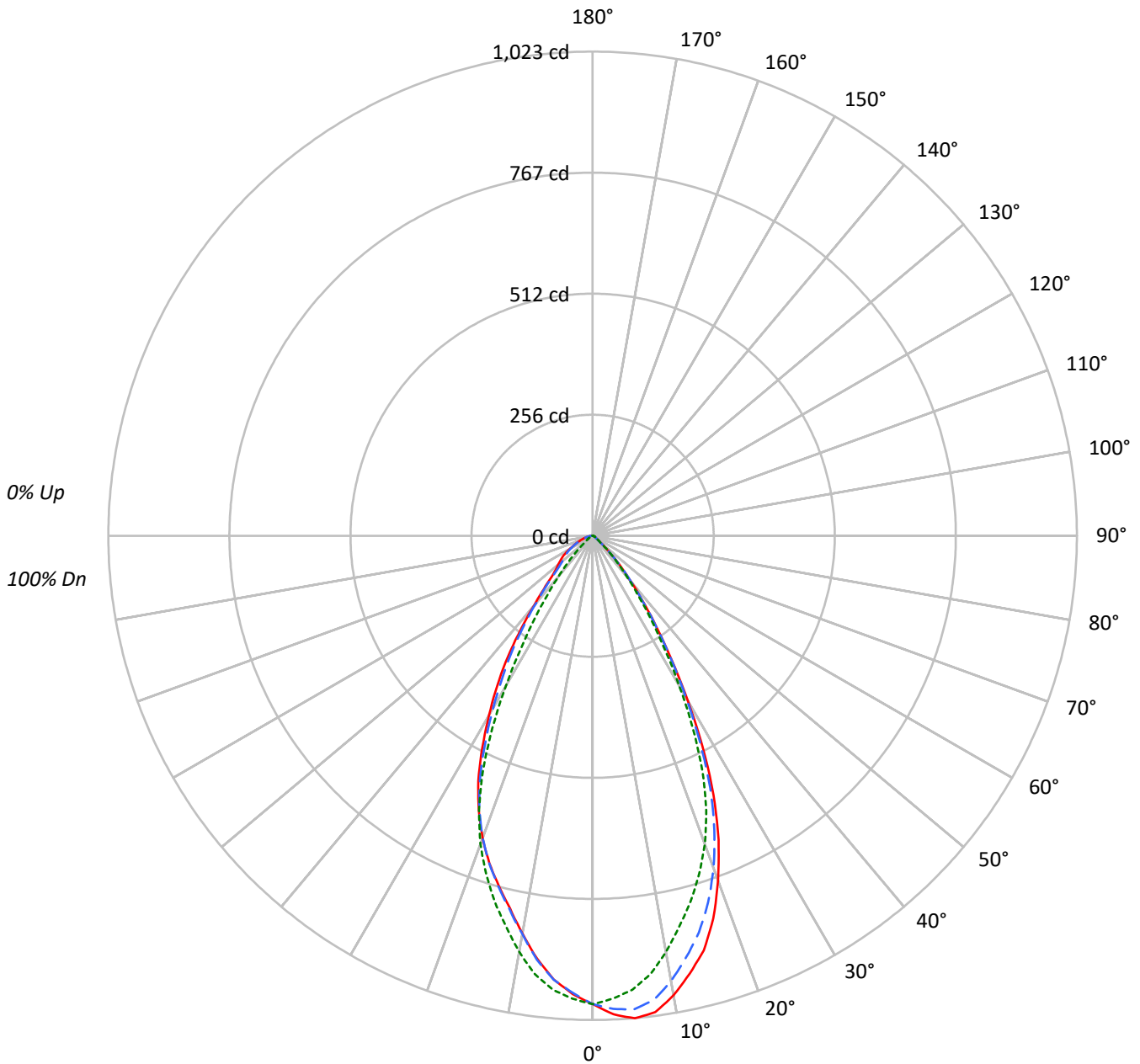
Lumens per Lamp: N/A
Luminaire Lumens: 852.0 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (A_{in}): 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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	54250	54250	54250
5°	56312	52977	51777
10°	54870	49693	47505
15°	51465	45403	43445
20°	45177	40423	39647
25°	36540	33208	34575
30°	25403	23130	27675
35°	15653	14168	20887
40°	8859	7943	13869
45°	4303	4101	9466
50°	1637	1637	8042
55°	898	1061	7426
60°	658	844	6085
65°	558	713	4981
70°	481	609	4103
75°	445	635	3516
80°	284	537	2557
85°	252	1069	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	10.6
10°-20°	227.7	26.7
20°-30°	256.3	30.1
30°-40°	158.7	18.6
40°-50°	63.2	7.4
50°-60°	28.8	3.4
60°-70°	16.5	1.9
70°-80°	7.9	0.9
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°	574.6	67.4
0°-40°	733.3	86.1
0°-60°	825.3	96.9
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	990	990	990	990	990	
5°	1023	1004	963	942	941	96
15°	907	868	800	768	766	251
25°	604	588	549	563	572	272
35°	234	233	212	295	312	150
45°	56	56	53	115	122	47
55°	9	9	11	68	78	9
65°	4	4	6	38	38	4
75°	2	2	3	16	17	2
85°	0	0	2	4	4	0
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°	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6	989.6
2.5°	1012.2	1002.8	1000.7	992.6	978.9	971.2	966.5	963.1	969.1
5°	1023.3	1013.1	1004.5	987.9	962.7	948.6	941.8	936.2	940.9
7.5°	1015.2	1000.7	989.2	966.1	934.1	912.3	902.9	896.5	900.8
10°	985.7	968.2	955.0	927.7	892.7	866.6	855.1	849.1	853.4
12.5°	947.3	932.8	912.7	882.9	845.3	818.0	809.4	804.7	806.4
15°	906.8	889.7	867.5	837.6	800.0	772.7	767.6	764.6	765.5
17.5°	847.9	831.2	812.0	783.0	748.4	726.2	726.2	724.0	725.3
20°	774.4	765.5	746.7	722.3	692.9	672.8	679.2	677.1	679.6
22.5°	695.0	688.2	672.0	651.9	627.1	611.3	625.4	625.0	628.4
25°	604.1	599.0	587.9	570.8	549.0	539.2	562.7	562.7	571.6
27.5°	503.8	498.6	491.0	476.4	458.5	455.5	490.1	494.4	504.2
30°	401.3	397.9	393.6	380.4	365.4	371.0	418.8	426.1	437.2
32.5°	309.9	307.8	306.5	294.6	281.3	299.7	354.3	363.7	374.8
35°	233.9	229.3	232.7	223.7	211.7	234.8	295.0	303.1	312.1
37.5°	172.5	169.1	172.0	165.6	155.0	180.2	236.9	242.1	248.0
40°	123.8	120.8	123.4	119.5	111.0	134.5	185.7	191.3	193.8
42.5°	87.9	82.8	85.4	82.4	78.1	101.2	146.0	151.1	152.0
45°	55.5	53.8	55.5	53.8	52.9	75.1	115.3	120.0	122.1
47.5°	33.7	31.6	31.6	30.7	31.6	55.5	95.2	102.0	105.4
50°	19.2	18.4	17.9	17.5	19.2	43.5	82.4	90.1	94.3
52.5°	12.8	12.4	12.4	12.0	14.1	36.7	74.3	81.1	85.4
55°	9.4	9.0	9.0	9.0	11.1	31.6	68.3	73.9	77.7
57.5°	7.3	7.3	7.3	6.8	9.4	26.9	61.0	64.0	67.0
60°	6.0	5.5	5.5	5.5	7.7	23.1	52.5	53.8	55.5
62.5°	4.7	4.7	4.7	4.7	6.4	20.5	45.3	45.3	46.1
65°	4.3	3.8	3.8	3.8	5.5	17.9	38.0	37.6	38.4
67.5°	3.4	3.4	3.4	3.4	4.7	15.4	31.2	30.7	31.6
70°	3.0	3.0	3.0	3.0	3.8	12.8	25.2	24.8	25.6
72.5°	2.6	2.6	2.6	2.6	3.4	10.7	20.1	20.1	20.5
75°	2.1	2.1	2.1	2.1	3.0	8.1	16.2	16.2	16.6
77.5°	1.7	1.7	1.7	1.7	2.1	6.4	12.4	12.0	12.0
80°	0.9	1.3	1.3	1.3	1.7	4.7	9.0	8.1	8.1
82.5°	0.4	0.9	0.9	0.9	1.7	3.4	6.0	5.5	5.5
85°	0.4	0.4	0.4	1.3	1.7	2.6	3.8	3.8	3.8
87.5°	0.0	0.4	0.9	1.7	2.1	2.1	2.6	2.1	2.1
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)