

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: P799324

Luminaire Tested: **LD6C10D010 EU6109035 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: P799324
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 EU6109035 6LBMDSWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

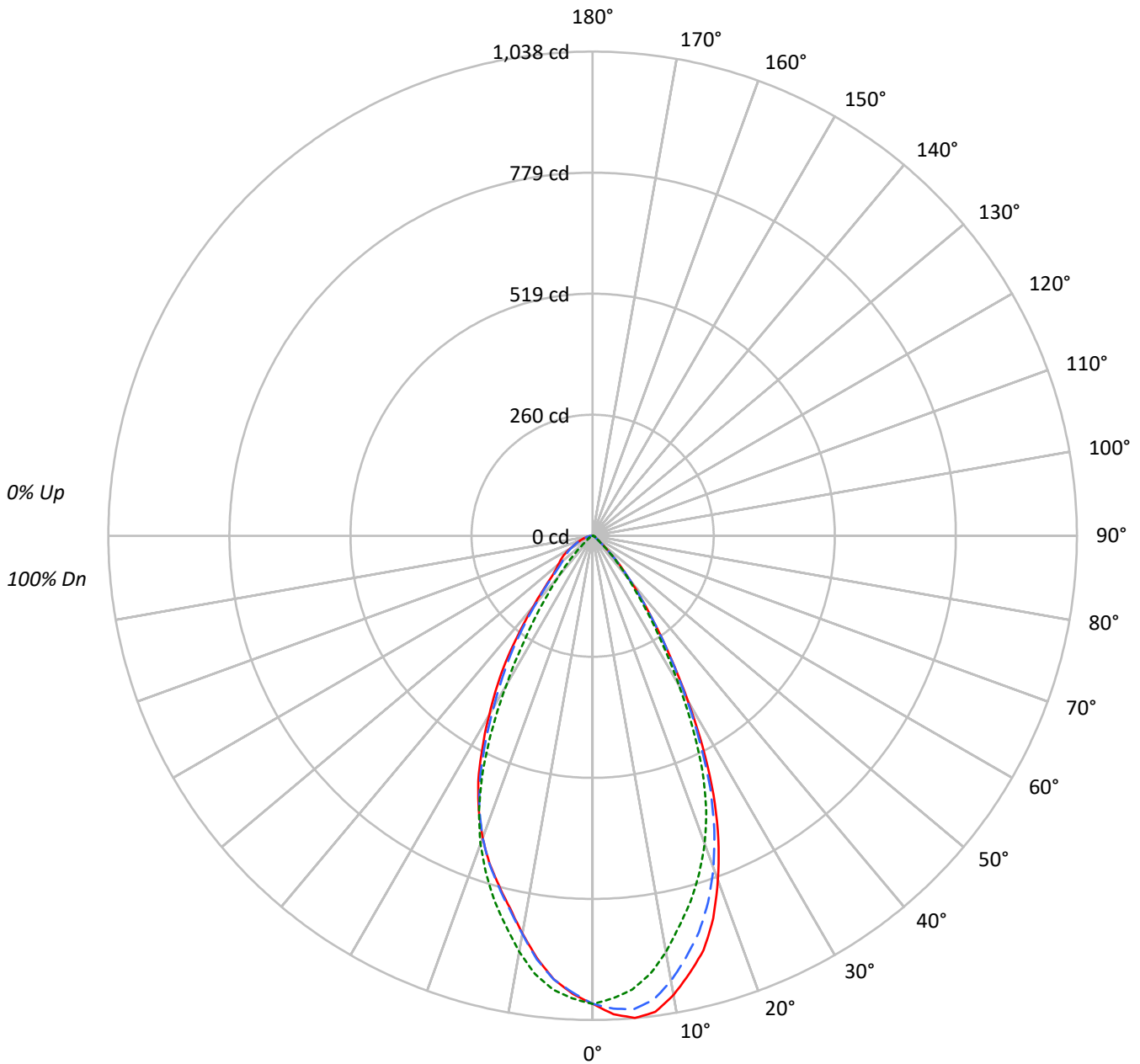
Lumens per Lamp: N/A
Luminaire Lumens: 864.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	55012	55012	55012
5°	57104	53725	52509
10°	55644	50394	48173
15°	52185	46045	44052
20°	45813	40989	40207
25°	37055	33673	35065
30°	25763	23459	28061
35°	15874	14368	21181
40°	8981	8058	14062
45°	4365	4163	9598
50°	1663	1663	8162
55°	908	1080	7531
60°	669	855	6173
65°	558	726	5059
70°	481	625	4167
75°	466	635	3580
80°	284	537	2589
85°	252	1069	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	10.6
10°-20°	230.9	26.7
20°-30°	259.9	30.1
30°-40°	161.0	18.6
40°-50°	64.1	7.4
50°-60°	29.2	3.4
60°-70°	16.8	1.9
70°-80°	8.0	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°	582.7	67.4
0°-40°	743.7	86.1
0°-60°	836.9	96.9
0°-90°	864.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	864.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1004	1004	1004	1004	1004	
5°	1038	1019	976	955	954	98
15°	920	880	811	778	776	254
25°	613	596	557	571	580	275
35°	237	236	215	299	316	152
45°	56	56	54	117	124	48
55°	10	9	11	69	79	9
65°	4	4	6	38	39	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°	1003.5	1003.5	1003.5	1003.5	1003.5	1003.5	1003.5	1003.5	1003.5
2.5°	1026.5	1016.9	1014.8	1006.6	992.7	984.9	980.1	976.7	982.7
5°	1037.7	1027.3	1018.7	1001.8	976.3	962.0	955.0	949.4	954.2
7.5°	1029.5	1014.8	1003.1	979.7	947.2	925.2	915.6	909.1	913.5
10°	999.6	981.9	968.5	940.8	905.3	878.8	867.2	861.1	865.4
12.5°	960.7	945.9	925.6	895.3	857.2	829.5	820.8	816.1	817.8
15°	919.5	902.2	879.7	849.4	811.3	783.6	778.4	775.4	776.2
17.5°	859.8	842.9	823.4	794.0	758.9	736.4	736.4	734.2	735.5
20°	785.3	776.2	757.2	732.5	702.6	682.3	688.8	686.6	689.2
22.5°	704.8	697.9	681.4	661.1	636.0	620.0	634.2	633.8	637.3
25°	612.6	607.4	596.1	578.8	556.7	546.8	570.6	570.6	579.7
27.5°	510.9	505.7	497.9	483.1	465.0	461.9	497.0	501.3	511.3
30°	407.0	403.5	399.2	385.7	370.6	376.2	424.7	432.1	443.3
32.5°	314.3	312.1	310.8	298.7	285.3	303.9	359.3	368.9	380.1
35°	237.2	232.5	235.9	226.9	214.7	238.1	299.2	307.4	316.5
37.5°	174.9	171.4	174.5	168.0	157.2	182.7	240.3	245.5	251.5
40°	125.5	122.5	125.1	121.2	112.6	136.4	188.3	194.0	196.5
42.5°	89.2	84.0	86.6	83.6	79.2	102.6	148.1	153.3	154.1
45°	56.3	54.5	56.3	54.5	53.7	76.2	116.9	121.7	123.8
47.5°	34.2	32.0	32.0	31.2	32.0	56.3	96.5	103.5	106.9
50°	19.5	18.6	18.2	17.8	19.5	44.2	83.6	91.3	95.7
52.5°	13.0	12.6	12.6	12.1	14.3	37.2	75.3	82.3	86.6
55°	9.5	9.1	9.1	9.1	11.3	32.0	69.3	74.9	78.8
57.5°	7.4	7.4	7.4	6.9	9.5	27.3	61.9	64.9	68.0
60°	6.1	5.6	5.6	5.6	7.8	23.4	53.3	54.5	56.3
62.5°	4.8	4.8	4.8	4.8	6.5	20.8	45.9	45.9	46.8
65°	4.3	3.9	3.9	3.9	5.6	18.2	38.5	38.1	39.0
67.5°	3.5	3.5	3.5	3.5	4.8	15.6	31.6	31.2	32.0
70°	3.0	3.0	3.0	3.0	3.9	13.0	25.5	25.1	26.0
72.5°	2.6	2.6	2.6	2.6	3.5	10.8	20.3	20.3	20.8
75°	2.2	2.2	2.2	2.2	3.0	8.2	16.5	16.5	16.9
77.5°	1.7	1.7	1.7	1.7	2.2	6.5	12.6	12.1	12.1
80°	0.9	1.3	1.3	1.3	1.7	4.8	9.1	8.2	8.2
82.5°	0.4	0.9	0.9	0.9	1.7	3.5	6.1	5.6	5.6
85°	0.4	0.4	0.4	1.3	1.7	2.6	3.9	3.9	3.9
87.5°	0.0	0.4	0.9	1.7	2.2	2.2	2.6	2.2	2.2
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)