

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: P799303

Luminaire Tested: **LD6C10D010 EU6109027 6LBMDSWWMH**

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: P799303
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 EU6109027 6LBMDSWWMH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

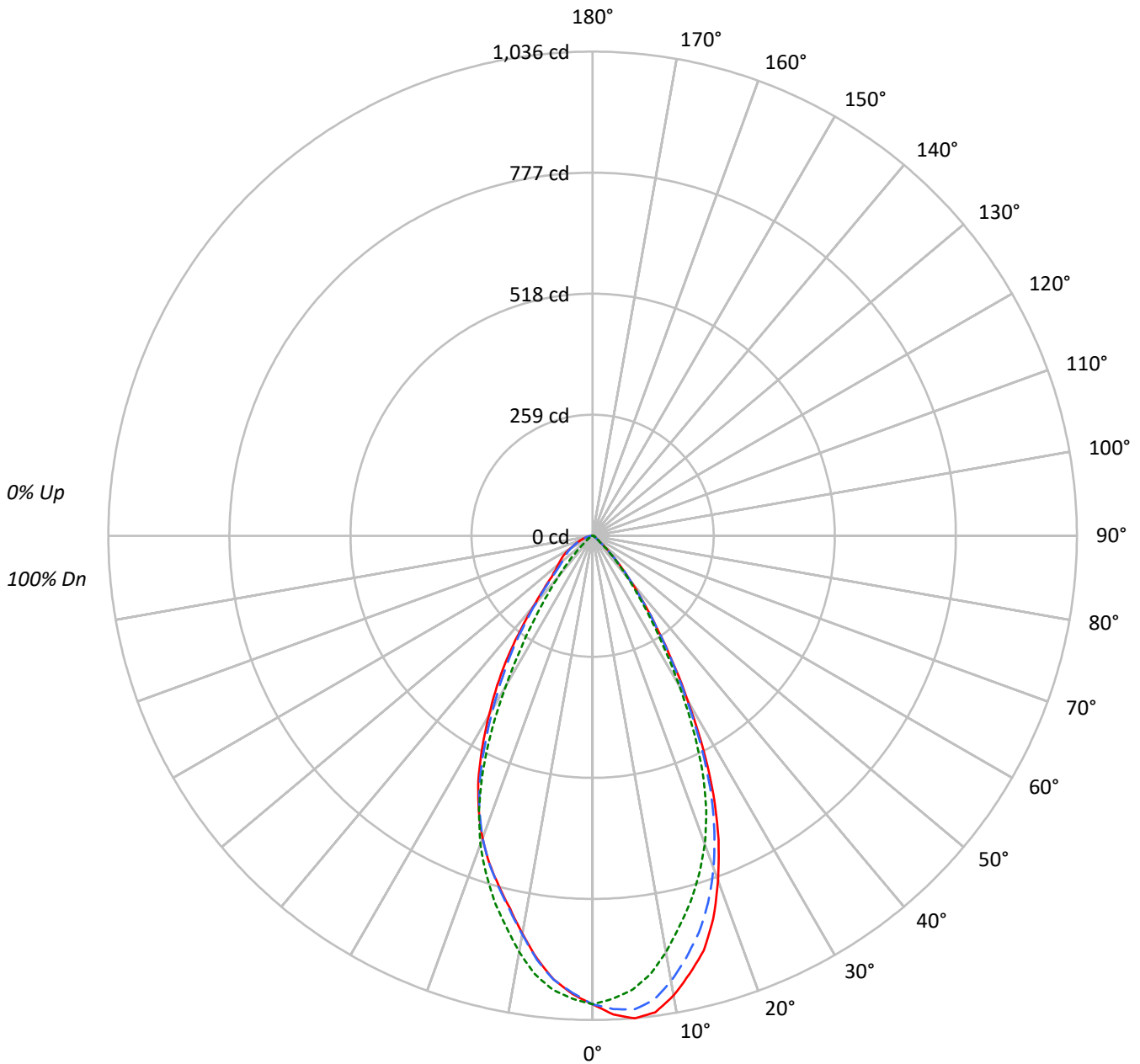
Lumens per Lamp: N/A
Luminaire Lumens: 863.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	57	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°	54952	54952	54952
5°	57038	53659	52449
10°	55582	50333	48118
15°	52129	45993	44001
20°	45761	40942	40160
25°	37012	33637	35022
30°	25732	23434	28030
35°	15861	14355	21154
40°	8974	8044	14048
45°	4357	4155	9590
50°	1663	1663	8153
55°	908	1070	7522
60°	669	855	6162
65°	558	726	5046
70°	481	625	4151
75°	466	635	3580
80°	284	537	2589
85°	252	1069	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	10.6
10°-20°	230.6	26.7
20°-30°	259.6	30.1
30°-40°	160.8	18.6
40°-50°	64.0	7.4
50°-60°	29.1	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°	582.0	67.4
0°-40°	742.8	86.1
0°-60°	836.0	96.9
0°-90°	863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1002	1002	1002	1002	1002	
5°	1036	1018	975	954	953	98
15°	918	879	810	778	775	254
25°	612	596	556	570	579	275
35°	237	236	214	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°	1002.4	1002.4	1002.4	1002.4	1002.4	1002.4	1002.4	1002.4	1002.4
2.5°	1025.3	1015.8	1013.6	1005.4	991.6	983.8	979.0	975.6	981.6
5°	1036.5	1026.1	1017.5	1000.6	975.1	960.9	953.9	948.3	953.1
7.5°	1028.3	1013.6	1001.9	978.6	946.1	924.1	914.6	908.1	912.4
10°	998.5	980.7	967.3	939.7	904.2	877.8	866.1	860.1	864.4
12.5°	959.6	944.9	924.5	894.3	856.2	828.5	819.9	815.1	816.9
15°	918.5	901.2	878.7	848.4	810.4	782.7	777.5	774.5	775.3
17.5°	858.8	841.9	822.5	793.1	758.0	735.6	735.6	733.4	734.7
20°	784.4	775.3	756.3	731.7	701.8	681.5	688.0	685.8	688.4
22.5°	704.0	697.1	680.6	660.3	635.2	619.2	633.5	633.1	636.5
25°	611.9	606.7	595.5	578.2	556.1	546.2	569.9	569.9	579.0
27.5°	510.3	505.1	497.3	482.6	464.4	461.4	496.4	500.7	510.7
30°	406.5	403.0	398.7	385.3	370.2	375.8	424.2	431.6	442.8
32.5°	313.9	311.8	310.5	298.4	285.0	303.6	358.9	368.4	379.7
35°	237.0	232.2	235.7	226.6	214.5	237.8	298.8	307.0	316.1
37.5°	174.7	171.2	174.3	167.8	157.0	182.5	240.0	245.2	251.2
40°	125.4	122.4	125.0	121.1	112.4	136.2	188.1	193.7	196.3
42.5°	89.1	83.9	86.5	83.5	79.1	102.5	147.9	153.1	153.9
45°	56.2	54.5	56.2	54.5	53.6	76.1	116.8	121.5	123.7
47.5°	34.2	32.0	32.0	31.1	32.0	56.2	96.4	103.3	106.8
50°	19.5	18.6	18.2	17.7	19.5	44.1	83.5	91.2	95.6
52.5°	13.0	12.5	12.5	12.1	14.3	37.2	75.2	82.2	86.5
55°	9.5	9.1	9.1	9.1	11.2	32.0	69.2	74.8	78.7
57.5°	7.4	7.4	7.4	6.9	9.5	27.2	61.8	64.9	67.9
60°	6.1	5.6	5.6	5.6	7.8	23.4	53.2	54.5	56.2
62.5°	4.8	4.8	4.8	4.8	6.5	20.8	45.8	45.8	46.7
65°	4.3	3.9	3.9	3.9	5.6	18.2	38.5	38.1	38.9
67.5°	3.5	3.5	3.5	3.5	4.8	15.6	31.6	31.1	32.0
70°	3.0	3.0	3.0	3.0	3.9	13.0	25.5	25.1	25.9
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	16.4	16.4	16.9
77.5°	1.7	1.7	1.7	1.7	2.2	6.5	12.5	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)