

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: P799322

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDSWGPH**

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: P799322
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 6LBMDSWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

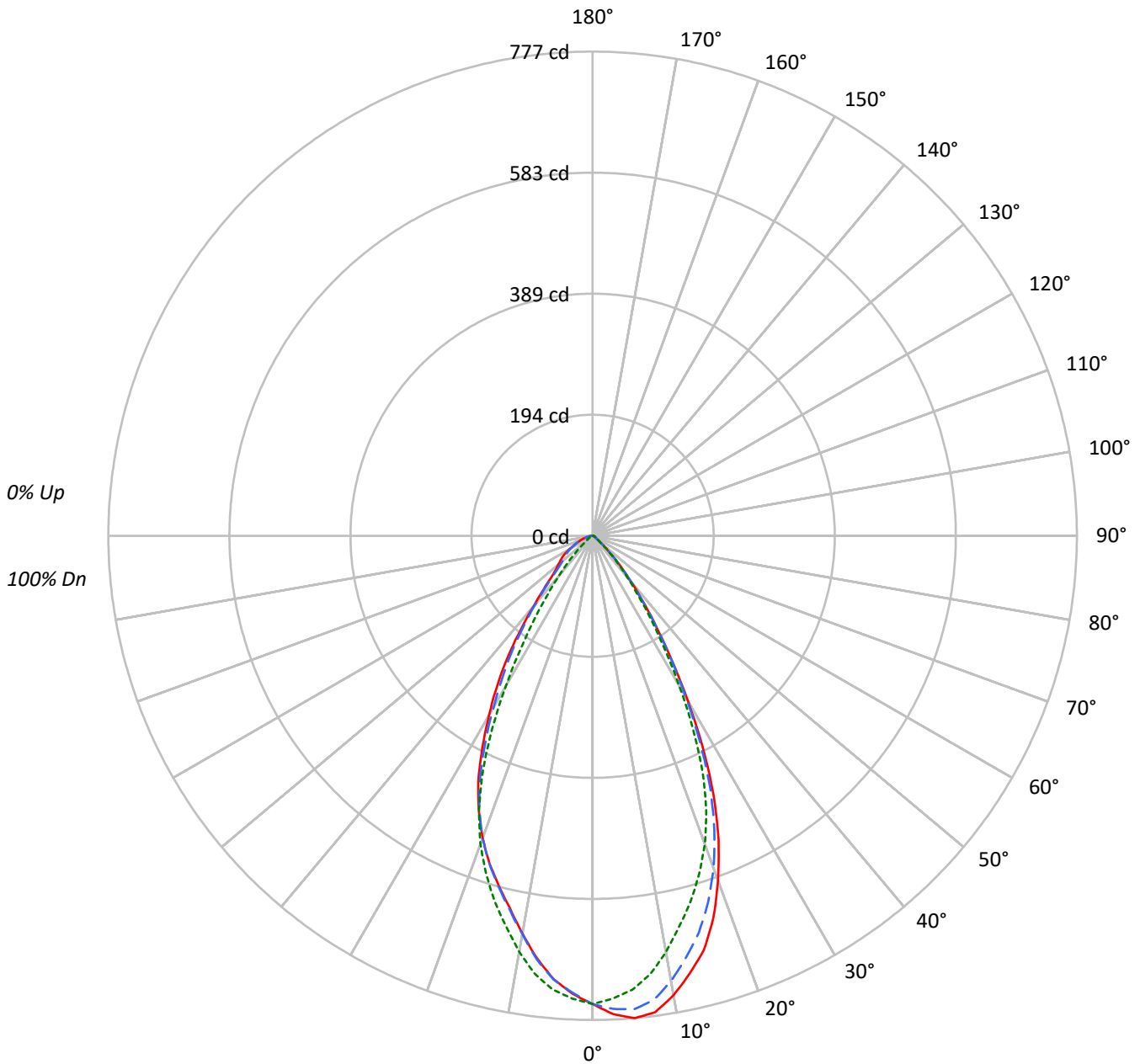
Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	41197	41197	41197
5°	42763	40232	39319
10°	41671	37736	36077
15°	39081	34478	32991
20°	34309	30698	30108
25°	27746	25217	26258
30°	19288	17566	21016
35°	11892	10761	15861
40°	6727	6033	10534
45°	3264	3117	7187
50°	1245	1245	6106
55°	679	803	5639
60°	493	636	4616
65°	415	545	3788
70°	369	465	3126
75°	339	487	2669
80°	189	410	1957
85°	189	818	1824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	10.6
10°-20°	172.9	26.7
20°-30°	194.6	30.1
30°-40°	120.5	18.6
40°-50°	48.0	7.4
50°-60°	21.8	3.4
60°-70°	12.6	1.9
70°-80°	6.0	0.9
80°-90°	1.7	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°	436.4	67.4
0°-40°	556.9	86.1
0°-60°	626.7	96.9
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	752	752	752	752	752	
5°	777	763	731	715	714	73
15°	689	659	608	583	581	191
25°	459	446	417	427	434	206
35°	178	177	161	224	237	114
45°	42	42	40	88	93	36
55°	7	7	8	52	59	7
65°	3	3	4	29	29	3
75°	2	2	2	12	13	2
85°	0	0	1	3	3	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°	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5	751.5
2.5°	768.7	761.5	759.9	753.8	743.4	737.5	734.0	731.4	735.9
5°	777.1	769.3	762.8	750.2	731.1	720.4	715.2	711.0	714.5
7.5°	770.9	759.9	751.2	733.7	709.3	692.8	685.7	680.8	684.0
10°	748.6	735.3	725.2	704.5	677.9	658.1	649.4	644.8	648.1
12.5°	719.4	708.4	693.1	670.4	641.9	621.2	614.7	611.1	612.4
15°	688.6	675.6	658.8	636.1	607.5	586.8	582.9	580.6	581.3
17.5°	643.8	631.2	616.6	594.6	568.3	551.5	551.5	549.8	550.8
20°	588.1	581.3	567.0	548.5	526.2	510.9	515.8	514.2	516.1
22.5°	527.8	522.6	510.3	495.0	476.2	464.2	474.9	474.6	477.2
25°	458.7	454.8	446.4	433.4	416.9	409.5	427.3	427.3	434.1
27.5°	382.5	378.7	372.8	361.8	348.2	345.9	372.2	375.4	382.9
30°	304.7	302.1	298.9	288.9	277.5	281.7	318.0	323.5	332.0
32.5°	235.4	233.7	232.8	223.7	213.6	227.6	269.1	276.2	284.6
35°	177.7	174.1	176.7	169.9	160.8	178.3	224.0	230.2	237.0
37.5°	131.0	128.4	130.7	125.8	117.7	136.8	179.9	183.8	188.4
40°	94.0	91.7	93.7	90.8	84.3	102.1	141.0	145.2	147.2
42.5°	66.8	62.9	64.8	62.6	59.3	76.8	110.9	114.8	115.4
45°	42.1	40.8	42.1	40.8	40.2	57.1	87.5	91.1	92.7
47.5°	25.6	24.0	24.0	23.3	24.0	42.1	72.3	77.5	80.1
50°	14.6	13.9	13.6	13.3	14.6	33.1	62.6	68.4	71.6
52.5°	9.7	9.4	9.4	9.1	10.7	27.9	56.4	61.6	64.8
55°	7.1	6.8	6.8	6.8	8.4	24.0	51.9	56.1	59.0
57.5°	5.5	5.5	5.5	5.2	7.1	20.4	46.4	48.6	50.9
60°	4.5	4.2	4.2	4.2	5.8	17.5	39.9	40.8	42.1
62.5°	3.6	3.6	3.6	3.6	4.9	15.6	34.4	34.4	35.0
65°	3.2	2.9	2.9	2.9	4.2	13.6	28.9	28.5	29.2
67.5°	2.6	2.6	2.6	2.6	3.6	11.7	23.7	23.3	24.0
70°	2.3	2.3	2.3	2.3	2.9	9.7	19.1	18.8	19.5
72.5°	1.9	1.9	1.9	1.9	2.6	8.1	15.2	15.2	15.6
75°	1.6	1.6	1.6	1.6	2.3	6.2	12.3	12.3	12.6
77.5°	1.3	1.3	1.3	1.3	1.6	4.9	9.4	9.1	9.1
80°	0.6	1.0	1.0	1.0	1.3	3.6	6.8	6.2	6.2
82.5°	0.3	0.6	0.6	0.6	1.3	2.6	4.5	4.2	4.2
85°	0.3	0.3	0.3	1.0	1.3	1.9	2.9	2.9	2.9
87.5°	0.0	0.3	0.6	1.3	1.6	1.6	1.9	1.6	1.6
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)