

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: P799292

Luminaire Tested: **LD6C10D010 EU6109027 6LBMDDWGPH**

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: P799292
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 EU6109027 6LBMDDWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

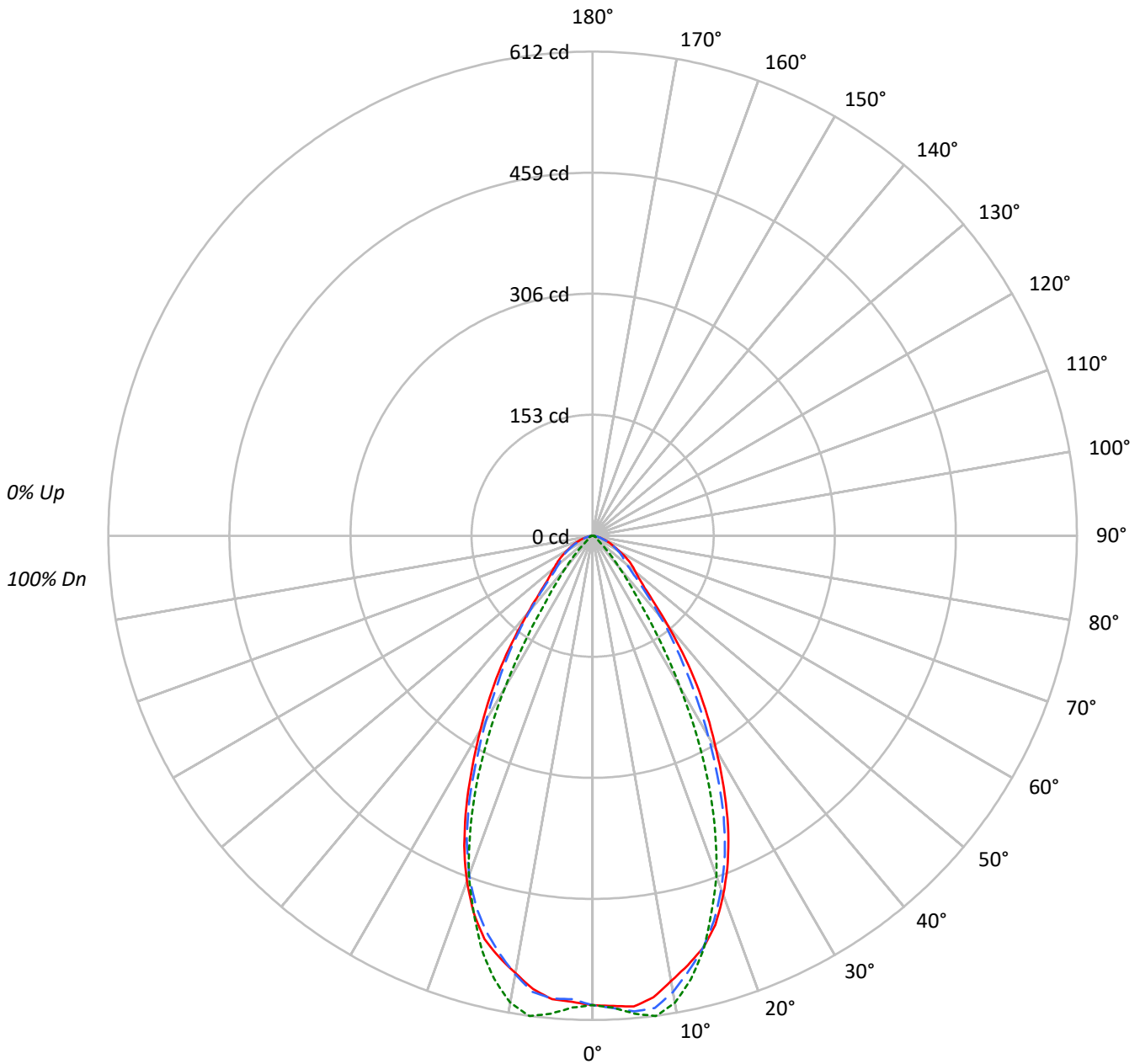
Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	32525	32525	32525
5°	32864	33364	32352
10°	31802	33361	31245
15°	30607	30727	29955
20°	28166	26690	27110
25°	24516	21044	22834
30°	19769	13983	17939
35°	15325	7208	13472
40°	10520	3736	9067
45°	7202	1868	6365
50°	5996	802	5458
55°	5390	688	4874
60°	4265	658	4068
65°	3528	584	3489
70°	2853	529	2853
75°	2118	572	2245
80°	1231	474	1326
85°	943	566	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	9.4
10°-20°	148.2	24.5
20°-30°	169.2	28.0
30°-40°	112.2	18.6
40°-50°	54.1	9.0
50°-60°	33.3	5.5
60°-70°	20.1	3.3
70°-80°	8.5	1.4
80°-90°	1.9	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°	373.9	61.9
0°-40°	486.1	80.5
0°-60°	573.5	95.0
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	593	593	593	593	593	
5°	597	604	606	587	588	56
15°	539	539	541	518	528	150
25°	405	392	348	368	378	184
35°	229	202	108	188	201	142
45°	93	82	24	76	82	76
55°	56	46	7	46	51	50
65°	27	26	4	24	27	27
75°	10	10	3	9	11	11
85°	2	2	1	2	2	2
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°	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3	593.3
2.5°	594.8	595.7	597.5	597.8	596.9	591.2	586.3	588.2	589.7
5°	597.2	599.0	603.5	607.8	606.3	596.6	587.0	586.6	587.9
7.5°	588.5	592.7	602.0	612.6	612.3	595.7	581.5	577.9	577.9
10°	571.3	575.2	585.4	599.6	599.3	578.5	562.8	561.0	561.3
12.5°	555.9	557.7	562.8	574.0	574.0	553.5	541.4	543.2	545.6
15°	539.3	540.5	539.3	542.9	541.4	524.5	518.4	524.2	527.8
17.5°	515.7	516.3	510.0	505.2	499.4	488.9	490.4	498.8	499.7
20°	482.8	486.8	475.3	462.9	457.5	447.5	456.0	465.3	464.7
22.5°	446.6	451.2	436.4	415.8	404.7	400.8	415.8	424.3	424.0
25°	405.3	408.6	391.7	363.0	347.9	347.3	368.2	376.9	377.5
27.5°	358.8	360.0	341.0	303.6	284.9	289.4	315.7	327.7	329.2
30°	312.3	311.7	292.1	245.6	220.9	233.3	268.6	281.9	283.4
32.5°	269.8	268.0	245.6	190.1	160.5	179.0	225.4	239.3	241.7
35°	229.0	226.0	201.9	140.6	107.7	135.2	188.3	200.4	201.3
37.5°	186.5	185.0	166.0	105.3	75.1	102.6	153.6	162.4	161.4
40°	147.0	147.0	131.3	78.2	52.2	76.3	121.6	129.5	126.7
42.5°	115.3	116.8	103.5	57.6	37.1	56.7	96.3	103.5	100.5
45°	92.9	92.9	81.5	42.9	24.1	42.2	76.0	82.7	82.1
47.5°	78.8	77.6	66.1	31.4	13.3	31.7	64.0	72.1	71.8
50°	70.3	68.5	56.7	24.7	9.4	26.3	56.1	63.7	64.0
52.5°	63.7	61.0	51.0	22.0	8.1	22.9	51.0	57.0	57.0
55°	56.4	54.9	45.9	19.6	7.2	20.5	45.9	51.3	51.0
57.5°	47.7	47.4	41.0	17.8	6.6	18.1	41.0	44.4	43.2
60°	38.9	40.1	35.6	16.0	6.0	16.3	35.0	37.7	37.1
62.5°	32.6	34.1	31.1	14.2	5.1	14.5	29.6	32.3	31.7
65°	27.2	28.4	26.0	12.1	4.5	12.1	24.4	26.9	26.9
67.5°	22.3	23.2	21.4	10.0	3.9	10.0	19.9	22.0	22.3
70°	17.8	18.4	16.9	7.8	3.3	8.1	15.7	17.8	17.8
72.5°	13.9	14.2	13.3	6.3	3.0	6.3	12.1	13.9	13.9
75°	10.0	10.6	10.0	4.8	2.7	4.8	9.4	10.3	10.6
77.5°	5.7	7.2	7.2	3.9	2.1	3.6	6.6	6.9	6.9
80°	3.9	4.5	5.1	2.7	1.5	2.7	4.2	4.5	4.2
82.5°	2.7	3.0	3.0	1.8	1.2	1.8	2.7	3.0	2.7
85°	1.5	2.1	2.1	1.5	0.9	1.2	1.5	1.8	1.5
87.5°	0.9	1.2	1.5	1.2	0.9	0.9	0.9	0.9	0.6
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)