

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: P799298

Luminaire Tested: **LD6C10D010 EU6109027 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: P799298
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 6LBMDSWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

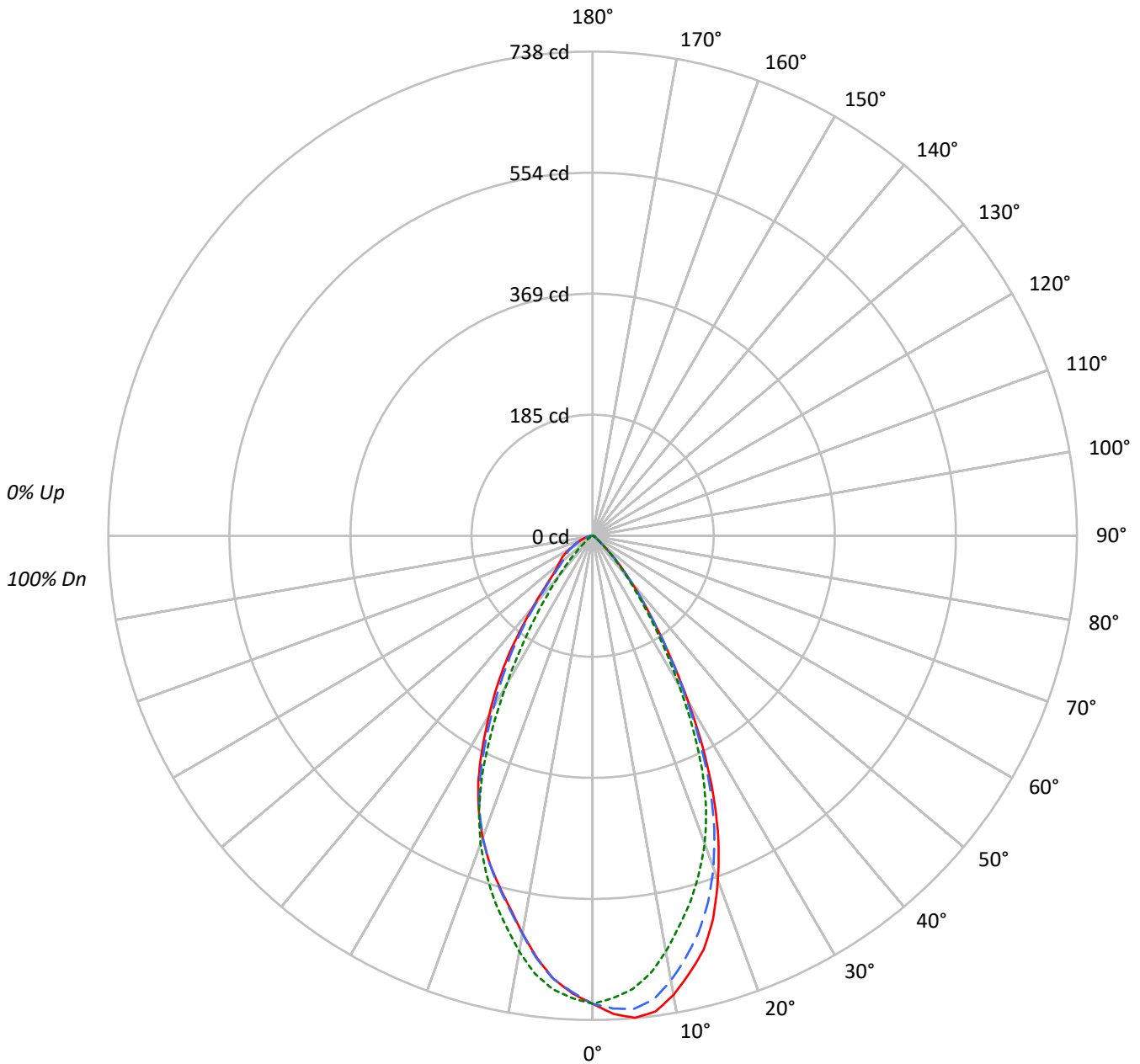
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



0% Up
100% Dn



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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								
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	58	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°	39098	39098	39098
5°	40584	38180	37316
10°	39545	35810	34235
15°	37089	32724	31306
20°	32559	29128	28574
25°	26330	23929	24921
30°	18307	16673	19940
35°	11283	10212	15051
40°	6383	5725	9997
45°	3101	2954	6822
50°	1177	1177	5799
55°	650	765	5352
60°	471	603	4386
65°	402	519	3593
70°	353	449	2965
75°	318	466	2542
80°	189	379	1831
85°	189	755	1761



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	10.6
10°-20°	164.1	26.7
20°-30°	184.7	30.1
30°-40°	114.4	18.6
40°-50°	45.6	7.4
50°-60°	20.7	3.4
60°-70°	11.9	1.9
70°-80°	5.7	0.9
80°-90°	1.6	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°	414.1	67.4
0°-40°	528.5	86.1
0°-60°	594.8	96.9
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	713	713	713	713	713	
5°	738	724	694	679	678	69
15°	654	625	577	553	552	181
25°	435	424	396	406	412	196
35°	169	168	153	213	225	108
45°	40	40	38	83	88	34
55°	7	6	8	49	56	7
65°	3	3	4	27	28	3
75°	2	2	2	12	12	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°	713.2	713.2	713.2	713.2	713.2	713.2	713.2	713.2	713.2
2.5°	729.5	722.7	721.2	715.3	705.5	699.9	696.5	694.1	698.4
5°	737.5	730.1	723.9	711.9	693.8	683.6	678.7	674.7	678.1
7.5°	731.6	721.2	712.8	696.2	673.2	657.5	650.7	646.1	649.2
10°	710.4	697.8	688.2	668.5	643.3	624.5	616.2	611.9	615.0
12.5°	682.7	672.2	657.8	636.2	609.2	589.5	583.3	579.9	581.2
15°	653.5	641.2	625.2	603.6	576.6	556.9	553.2	551.0	551.6
17.5°	611.0	599.0	585.2	564.2	539.3	523.3	523.3	521.8	522.7
20°	558.1	551.6	538.1	520.6	499.3	484.9	489.5	487.9	489.8
22.5°	500.9	495.9	484.3	469.8	452.0	440.6	450.7	450.4	452.9
25°	435.3	431.6	423.6	411.3	395.6	388.6	405.5	405.5	412.0
27.5°	363.0	359.3	353.8	343.3	330.4	328.3	353.2	356.3	363.3
30°	289.2	286.7	283.7	274.1	263.4	267.4	301.8	307.0	315.0
32.5°	223.4	221.8	220.9	212.3	202.7	216.0	255.4	262.1	270.1
35°	168.6	165.2	167.7	161.2	152.6	169.2	212.6	218.4	224.9
37.5°	124.3	121.8	124.0	119.4	111.7	129.8	170.8	174.4	178.7
40°	89.2	87.1	88.9	86.1	80.0	96.9	133.8	137.8	139.7
42.5°	63.4	59.7	61.5	59.4	56.3	72.9	105.2	108.9	109.5
45°	40.0	38.8	40.0	38.8	38.1	54.1	83.1	86.5	88.0
47.5°	24.3	22.8	22.8	22.2	22.8	40.0	68.6	73.5	76.0
50°	13.8	13.2	12.9	12.6	13.8	31.4	59.4	64.9	68.0
52.5°	9.2	8.9	8.9	8.6	10.2	26.5	53.5	58.5	61.5
55°	6.8	6.5	6.5	6.5	8.0	22.8	49.2	53.2	56.0
57.5°	5.2	5.2	5.2	4.9	6.8	19.4	44.0	46.1	48.3
60°	4.3	4.0	4.0	4.0	5.5	16.6	37.8	38.8	40.0
62.5°	3.4	3.4	3.4	3.4	4.6	14.8	32.6	32.6	33.2
65°	3.1	2.8	2.8	2.8	4.0	12.9	27.4	27.1	27.7
67.5°	2.5	2.5	2.5	2.5	3.4	11.1	22.5	22.2	22.8
70°	2.2	2.2	2.2	2.2	2.8	9.2	18.2	17.8	18.5
72.5°	1.8	1.8	1.8	1.8	2.5	7.7	14.5	14.5	14.8
75°	1.5	1.5	1.5	1.5	2.2	5.8	11.7	11.7	12.0
77.5°	1.2	1.2	1.2	1.2	1.5	4.6	8.9	8.6	8.6
80°	0.6	0.9	0.9	0.9	1.2	3.4	6.5	5.8	5.8
82.5°	0.3	0.6	0.6	0.6	1.2	2.5	4.3	4.0	4.0
85°	0.3	0.3	0.3	0.9	1.2	1.8	2.8	2.8	2.8
87.5°	0.0	0.3	0.6	1.2	1.5	1.5	1.8	1.5	1.5
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)