

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: P799340

Luminaire Tested: **LD6C10D010 EU6109050 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: P799340
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 EU6109050 6LBMDDWGPH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

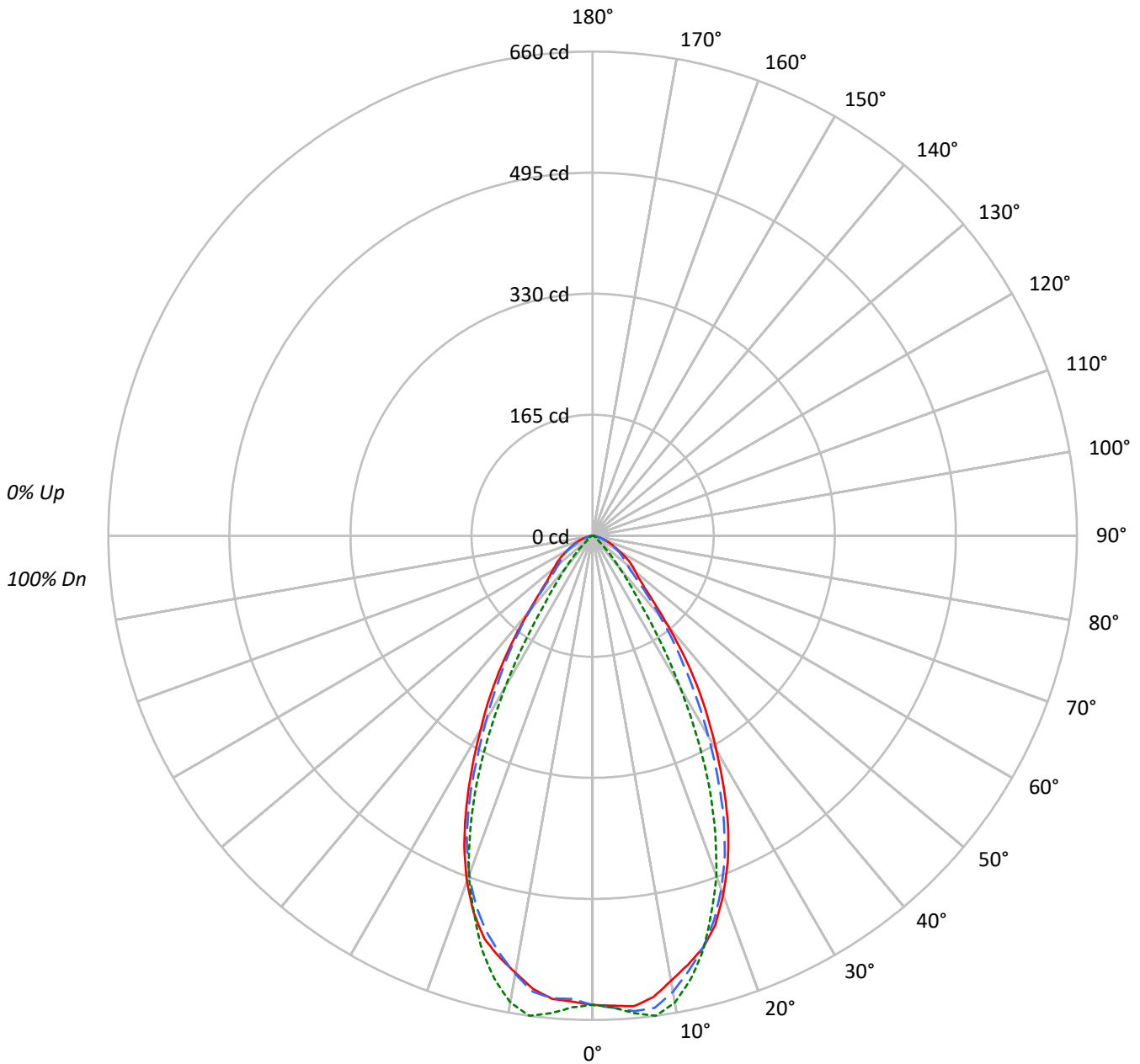
Lumens per Lamp: N/A
Luminaire Lumens: 651.0 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	35057	35057	35057
5°	35423	35956	34867
10°	34273	35960	33678
15°	32985	33116	32287
20°	30359	28767	29222
25°	26421	22683	24612
30°	21307	15072	19332
35°	16523	7770	14516
40°	11336	4029	9775
45°	7768	2016	6861
50°	6465	861	5885
55°	5811	745	5257
60°	4605	713	4386
65°	3801	636	3749
70°	3077	577	3077
75°	2266	614	2415
80°	1326	505	1452
85°	1006	629	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	9.4
10°-20°	159.8	24.5
20°-30°	182.4	28.0
30°-40°	120.9	18.6
40°-50°	58.3	9.0
50°-60°	35.9	5.5
60°-70°	21.7	3.3
70°-80°	9.1	1.4
80°-90°	2.0	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°	403.0	61.9
0°-40°	523.9	80.5
0°-60°	618.1	95.0
0°-90°	651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	651.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	640	640	640	640	640	
5°	644	650	653	633	634	60
15°	581	581	584	559	569	162
25°	437	422	375	397	407	198
35°	247	218	116	203	217	153
45°	100	88	26	82	88	82
55°	61	49	8	49	55	53
65°	29	28	5	26	29	29
75°	11	11	3	10	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°	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5
2.5°	641.1	642.1	644.0	644.3	643.4	637.2	632.0	633.9	635.6
5°	643.7	645.6	650.5	655.1	653.4	643.0	632.6	632.3	633.6
7.5°	634.2	638.8	648.9	660.3	659.9	642.1	626.8	622.9	622.9
10°	615.7	619.9	631.0	646.3	646.0	623.5	606.6	604.7	605.0
12.5°	599.1	601.1	606.6	618.6	618.6	596.5	583.5	585.5	588.1
15°	581.2	582.5	581.2	585.1	583.5	565.3	558.8	565.0	568.9
17.5°	555.9	556.5	549.7	544.5	538.3	526.9	528.5	537.6	538.6
20°	520.4	524.6	512.3	498.9	493.1	482.4	491.5	501.5	500.9
22.5°	481.4	486.3	470.3	448.2	436.2	431.9	448.2	457.3	457.0
25°	436.8	440.4	422.2	391.3	375.0	374.4	396.8	406.2	406.9
27.5°	386.7	388.0	367.5	327.2	307.0	311.9	340.2	353.2	354.9
30°	336.6	336.0	314.8	264.8	238.1	251.4	289.5	303.8	305.4
32.5°	290.8	288.8	264.8	204.9	173.0	192.9	243.0	257.9	260.5
35°	246.9	243.6	217.6	151.6	116.1	145.7	203.0	216.0	216.9
37.5°	201.0	199.4	178.9	113.5	81.0	110.6	165.6	175.0	174.0
40°	158.4	158.4	141.5	84.2	56.3	82.3	131.1	139.5	136.6
42.5°	124.2	125.9	111.6	62.1	40.0	61.1	103.8	111.6	108.3
45°	100.2	100.2	87.8	46.2	26.0	45.5	82.0	89.1	88.5
47.5°	84.9	83.6	71.2	33.8	14.3	34.2	69.0	77.7	77.4
50°	75.8	73.8	61.1	26.7	10.1	28.3	60.5	68.6	69.0
52.5°	68.6	65.7	55.0	23.7	8.8	24.7	55.0	61.5	61.5
55°	60.8	59.2	49.4	21.1	7.8	22.1	49.4	55.3	55.0
57.5°	51.4	51.1	44.2	19.2	7.2	19.5	44.2	47.8	46.5
60°	42.0	43.3	38.4	17.2	6.5	17.6	37.7	40.7	40.0
62.5°	35.1	36.8	33.5	15.3	5.5	15.6	31.9	34.8	34.2
65°	29.3	30.6	28.0	13.0	4.9	13.0	26.3	28.9	28.9
67.5°	24.1	25.0	23.1	10.7	4.2	10.7	21.5	23.7	24.1
70°	19.2	19.8	18.2	8.5	3.6	8.8	16.9	19.2	19.2
72.5°	15.0	15.3	14.3	6.8	3.3	6.8	13.0	15.0	15.0
75°	10.7	11.4	10.7	5.2	2.9	5.2	10.1	11.1	11.4
77.5°	6.2	7.8	7.8	4.2	2.3	3.9	7.2	7.5	7.5
80°	4.2	4.9	5.5	2.9	1.6	2.9	4.6	4.9	4.6
82.5°	2.9	3.3	3.3	2.0	1.3	2.0	2.9	3.3	2.9
85°	1.6	2.3	2.3	1.6	1.0	1.3	1.6	2.0	1.6
87.5°	1.0	1.3	1.6	1.3	1.0	1.0	1.0	1.0	0.7
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)