

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: P799250

Luminaire Tested: **LD6C08D010 EU6089030 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: P799250
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: LD6C08D010 EU6089030 6LBMDSWGPH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

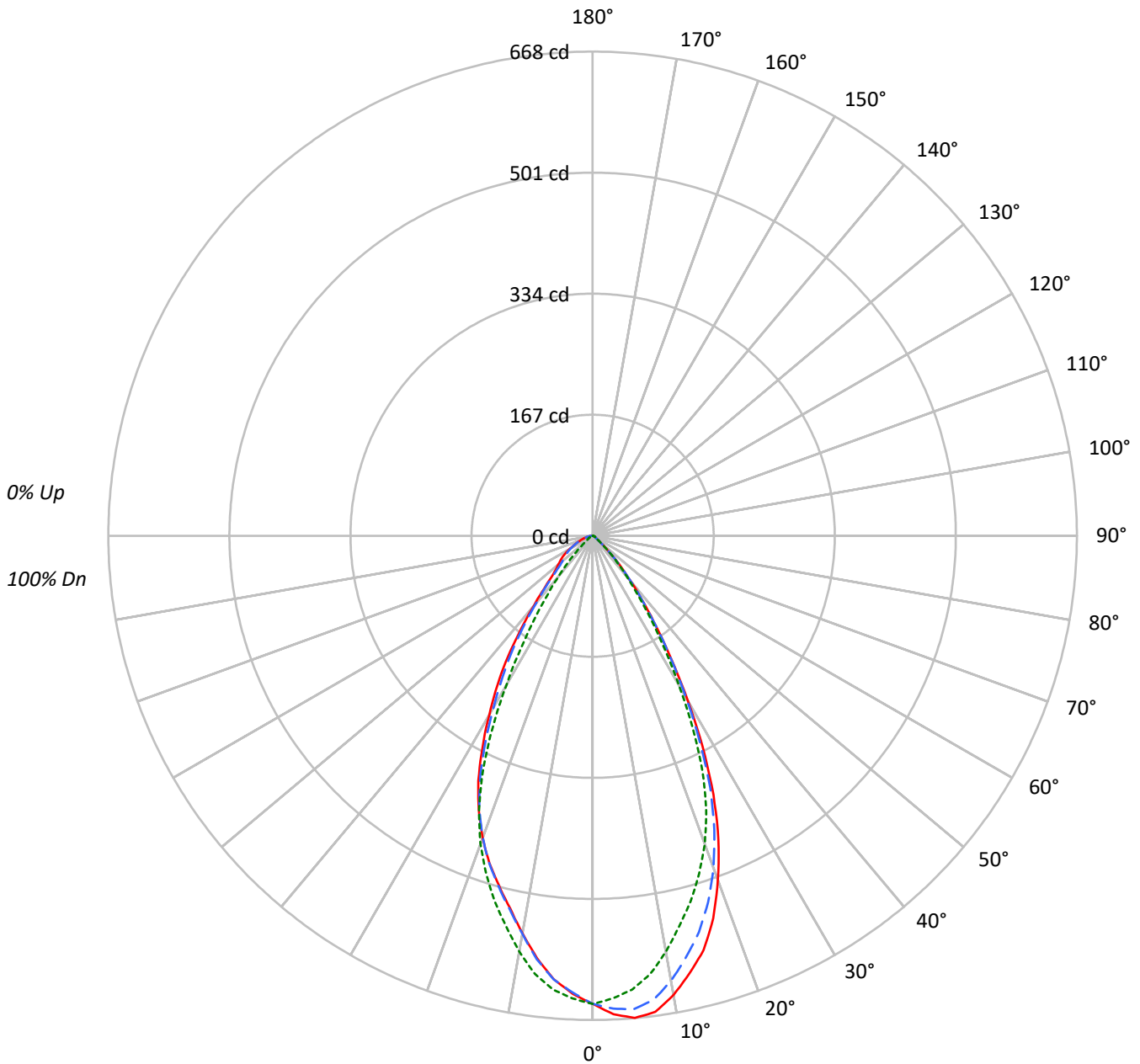
Lumens per Lamp: N/A
Luminaire Lumens: 556.0 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	35403	35403	35403
5°	36749	34570	33788
10°	35810	32425	31000
15°	33581	29631	28349
20°	29484	26381	25873
25°	23844	21673	22562
30°	16579	15097	18060
35°	10219	9249	13632
40°	5782	5181	9053
45°	2806	2675	6179
50°	1066	1066	5254
55°	583	688	4846
60°	428	548	3969
65°	363	467	3256
70°	321	401	2677
75°	297	424	2309
80°	189	347	1673
85°	189	692	1572



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.1	10.6
10°-20°	148.6	26.7
20°-30°	167.3	30.1
30°-40°	103.6	18.6
40°-50°	41.2	7.4
50°-60°	18.8	3.4
60°-70°	10.8	1.9
70°-80°	5.1	0.9
80°-90°	1.5	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°	375.0	67.4
0°-40°	478.6	86.1
0°-60°	538.6	96.9
0°-90°	556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	556.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	646	646	646	646	646	
5°	668	656	628	615	614	63
15°	592	566	522	501	500	164
25°	394	384	358	367	373	177
35°	153	152	138	192	204	98
45°	36	36	34	75	80	31
55°	6	6	7	45	51	6
65°	3	2	4	25	25	3
75°	1	1	2	11	11	1
85°	0	0	1	2	2	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°	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8	645.8
2.5°	660.6	654.4	653.0	647.7	638.8	633.8	630.7	628.5	632.4
5°	667.8	661.1	655.5	644.7	628.2	619.0	614.6	611.0	614.0
7.5°	662.5	653.0	645.5	630.5	609.6	595.4	589.2	585.1	587.8
10°	643.3	631.9	623.2	605.4	582.5	565.6	558.0	554.1	556.9
12.5°	618.2	608.7	595.6	576.1	551.6	533.8	528.2	525.2	526.3
15°	591.7	580.6	566.1	546.6	522.1	504.3	500.9	499.0	499.5
17.5°	553.3	542.4	529.9	510.9	488.4	473.9	473.9	472.5	473.3
20°	505.4	499.5	487.3	471.4	452.2	439.1	443.2	441.9	443.5
22.5°	453.6	449.1	438.5	425.4	409.3	399.0	408.1	407.9	410.1
25°	394.2	390.9	383.6	372.5	358.3	351.9	367.2	367.2	373.0
27.5°	328.7	325.4	320.4	310.9	299.2	297.3	319.8	322.6	329.0
30°	261.9	259.7	256.9	248.2	238.5	242.1	273.3	278.0	285.3
32.5°	202.3	200.9	200.0	192.2	183.6	195.6	231.2	237.4	244.6
35°	152.7	149.6	151.8	146.0	138.2	153.2	192.5	197.8	203.7
37.5°	112.6	110.3	112.3	108.1	101.1	117.6	154.6	158.0	161.9
40°	80.8	78.8	80.5	78.0	72.4	87.8	121.2	124.8	126.5
42.5°	57.4	54.0	55.7	53.8	51.0	66.0	95.3	98.6	99.2
45°	36.2	35.1	36.2	35.1	34.5	49.0	75.2	78.3	79.7
47.5°	22.0	20.6	20.6	20.1	20.6	36.2	62.1	66.6	68.8
50°	12.5	12.0	11.7	11.4	12.5	28.4	53.8	58.8	61.6
52.5°	8.4	8.1	8.1	7.8	9.2	24.0	48.5	52.9	55.7
55°	6.1	5.9	5.9	5.9	7.2	20.6	44.6	48.2	50.7
57.5°	4.7	4.7	4.7	4.5	6.1	17.6	39.8	41.8	43.7
60°	3.9	3.6	3.6	3.6	5.0	15.0	34.3	35.1	36.2
62.5°	3.1	3.1	3.1	3.1	4.2	13.4	29.5	29.5	30.1
65°	2.8	2.5	2.5	2.5	3.6	11.7	24.8	24.5	25.1
67.5°	2.2	2.2	2.2	2.2	3.1	10.0	20.3	20.1	20.6
70°	2.0	2.0	2.0	2.0	2.5	8.4	16.4	16.2	16.7
72.5°	1.7	1.7	1.7	1.7	2.2	7.0	13.1	13.1	13.4
75°	1.4	1.4	1.4	1.4	2.0	5.3	10.6	10.6	10.9
77.5°	1.1	1.1	1.1	1.1	1.4	4.2	8.1	7.8	7.8
80°	0.6	0.8	0.8	0.8	1.1	3.1	5.9	5.3	5.3
82.5°	0.3	0.6	0.6	0.6	1.1	2.2	3.9	3.6	3.6
85°	0.3	0.3	0.3	0.8	1.1	1.7	2.5	2.5	2.5
87.5°	0.0	0.3	0.6	1.1	1.4	1.4	1.7	1.4	1.4
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)