

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: P799280

Luminaire Tested: **LD6C08D010 EU6089050 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: P799280
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: LD6C08D010 EU6089050 6LBMDDWGPH
Description: 6 INCH 800 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

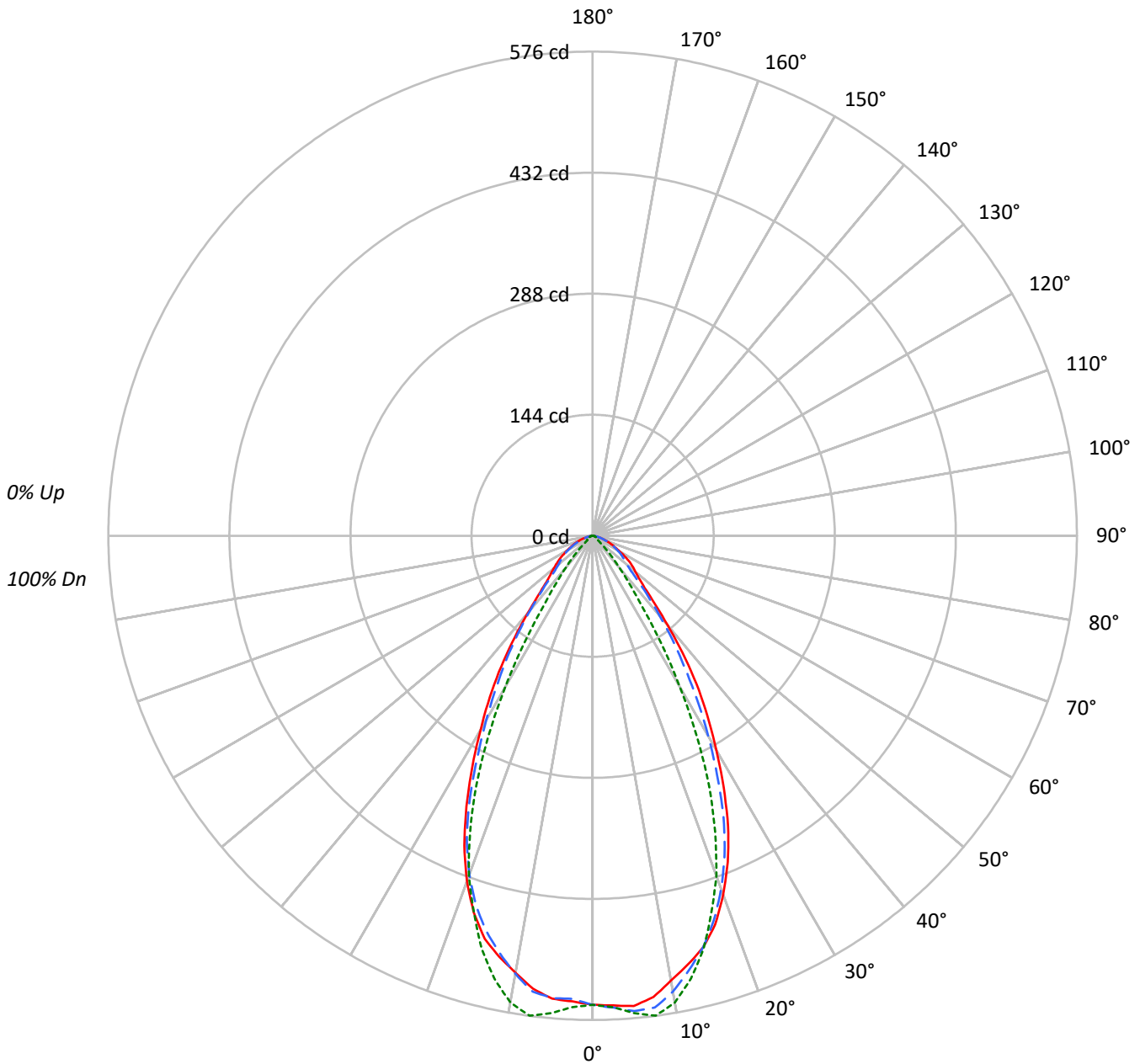
Lumens per Lamp: N/A
Luminaire Lumens: 568.0 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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									
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°	30584	30584	30584
5°	30905	31372	30420
10°	29904	31373	29380
15°	28780	28893	28167
20°	26491	25097	25494
25°	23052	19791	21473
30°	18591	13148	16870
35°	14415	6779	12669
40°	9890	3514	8530
45°	6776	1760	5985
50°	5637	751	5134
55°	5075	650	4588
60°	4013	625	3826
65°	3308	558	3282
70°	2677	497	2677
75°	1991	551	2097
80°	1168	442	1263
85°	881	566	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	9.4
10°-20°	139.4	24.5
20°-30°	159.1	28.0
30°-40°	105.5	18.6
40°-50°	50.9	9.0
50°-60°	31.3	5.5
60°-70°	18.9	3.3
70°-80°	8.0	1.4
80°-90°	1.8	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°	351.6	61.9
0°-40°	457.1	80.5
0°-60°	539.3	95.0
0°-90°	568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	558	558	558	558	558	
5°	562	568	570	552	553	53
15°	507	507	509	488	496	141
25°	381	368	327	346	355	173
35°	215	190	101	177	189	133
45°	87	77	23	72	77	71
55°	53	43	7	43	48	47
65°	26	24	4	23	25	26
75°	9	9	3	9	10	10
85°	1	2	1	1	1	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°	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9	557.9
2.5°	559.3	560.2	561.9	562.2	561.3	555.9	551.4	553.1	554.5
5°	561.6	563.3	567.6	571.5	570.1	561.0	552.0	551.7	552.8
7.5°	553.4	557.4	566.2	576.1	575.8	560.2	546.9	543.5	543.5
10°	537.2	540.9	550.5	563.9	563.6	544.0	529.3	527.6	527.8
12.5°	522.7	524.4	529.3	539.8	539.8	520.5	509.1	510.8	513.1
15°	507.1	508.3	507.1	510.5	509.1	493.2	487.5	492.9	496.3
17.5°	485.0	485.6	479.6	475.1	469.7	459.7	461.2	469.1	470.0
20°	454.1	457.7	447.0	435.3	430.2	420.9	428.8	437.6	437.0
22.5°	420.0	424.3	410.4	391.1	380.6	376.9	391.1	399.0	398.7
25°	381.1	384.2	368.4	341.4	327.2	326.6	346.2	354.5	355.0
27.5°	337.4	338.6	320.7	285.5	267.9	272.2	296.8	308.2	309.6
30°	293.7	293.2	274.7	231.0	207.7	219.4	252.6	265.1	266.5
32.5°	253.7	252.0	231.0	178.8	151.0	168.3	212.0	225.0	227.3
35°	215.4	212.6	189.9	132.2	101.3	127.1	177.1	188.4	189.3
37.5°	175.4	174.0	156.1	99.0	70.7	96.5	144.4	152.7	151.8
40°	138.2	138.2	123.4	73.5	49.1	71.8	114.4	121.7	119.2
42.5°	108.4	109.8	97.3	54.2	34.9	53.4	90.5	97.3	94.5
45°	87.4	87.4	76.6	40.3	22.7	39.7	71.5	77.8	77.2
47.5°	74.1	72.9	62.1	29.5	12.5	29.8	60.2	67.8	67.5
50°	66.1	64.4	53.4	23.3	8.8	24.7	52.8	59.9	60.2
52.5°	59.9	57.3	48.0	20.7	7.7	21.6	48.0	53.6	53.6
55°	53.1	51.6	43.1	18.4	6.8	19.3	43.1	48.2	48.0
57.5°	44.8	44.6	38.6	16.7	6.2	17.0	38.6	41.7	40.6
60°	36.6	37.7	33.5	15.0	5.7	15.3	32.9	35.5	34.9
62.5°	30.6	32.1	29.2	13.3	4.8	13.6	27.8	30.4	29.8
65°	25.5	26.7	24.4	11.4	4.3	11.4	23.0	25.3	25.3
67.5°	21.0	21.9	20.1	9.4	3.7	9.4	18.7	20.7	21.0
70°	16.7	17.3	15.9	7.4	3.1	7.7	14.8	16.7	16.7
72.5°	13.1	13.3	12.5	6.0	2.8	6.0	11.4	13.1	13.1
75°	9.4	9.9	9.4	4.5	2.6	4.5	8.8	9.6	9.9
77.5°	5.4	6.8	6.8	3.7	2.0	3.4	6.2	6.5	6.5
80°	3.7	4.3	4.8	2.6	1.4	2.6	4.0	4.3	4.0
82.5°	2.6	2.8	2.8	1.7	1.1	1.7	2.6	2.8	2.6
85°	1.4	2.0	2.0	1.4	0.9	1.1	1.4	1.7	1.4
87.5°	0.9	1.1	1.4	1.1	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)