

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: P799283

Luminaire Tested: **LD6C08D010 EU6089050 6LBMDDWMW**

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: P799283
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 6LBMDDWMW
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

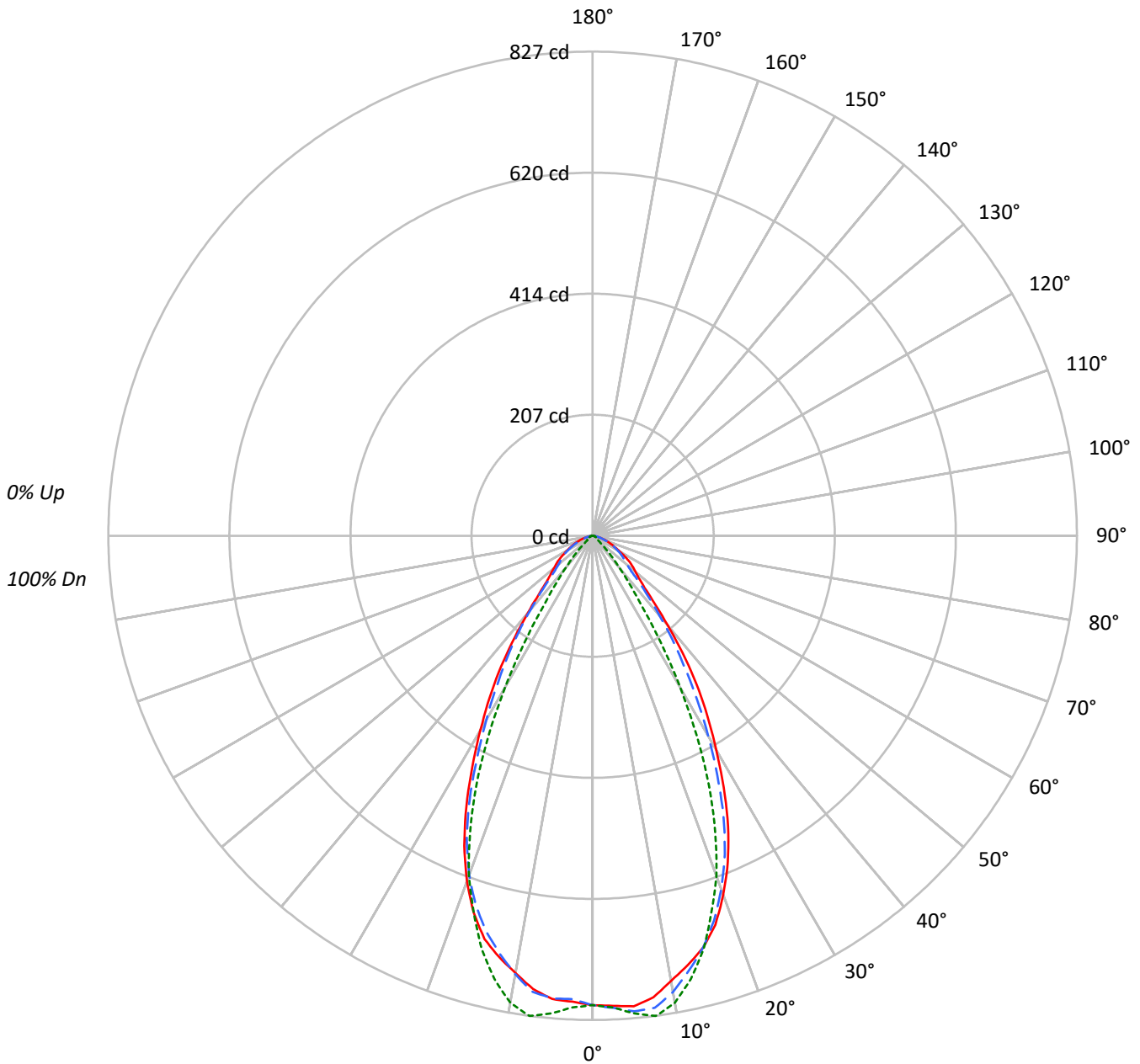
Lumens per Lamp: N/A
Luminaire Lumens: 816.0 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): 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°	43938	43938	43938
5°	44398	45075	43704
10°	42963	45073	42211
15°	41351	41510	40471
20°	38054	36059	36625
25°	33117	28435	30849
30°	26713	18889	24232
35°	20706	9737	18196
40°	14205	5045	12252
45°	9737	2527	8598
50°	8102	1075	7369
55°	7283	937	6585
60°	5767	899	5493
65°	4761	791	4709
70°	3863	721	3863
75°	2859	784	3029
80°	1673	631	1799
85°	1258	755	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	9.4
10°-20°	200.3	24.5
20°-30°	228.6	28.0
30°-40°	151.6	18.6
40°-50°	73.1	9.0
50°-60°	45.0	5.5
60°-70°	27.2	3.3
70°-80°	11.5	1.4
80°-90°	2.5	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°	505.1	61.9
0°-40°	656.7	80.5
0°-60°	774.8	95.0
0°-90°	816.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	816.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	802	802	802	802	802	
5°	807	815	819	793	794	76
15°	729	729	731	700	713	203
25°	548	529	470	497	510	248
35°	309	273	146	254	272	191
45°	126	110	33	103	111	102
55°	76	62	10	62	69	67
65°	37	35	6	33	36	37
75°	14	14	4	13	14	14
85°	2	3	1	2	2	3
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°	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5	801.5
2.5°	803.6	804.8	807.2	807.6	806.4	798.7	792.2	794.6	796.6
5°	806.8	809.3	815.4	821.1	819.1	806.0	793.0	792.6	794.2
7.5°	795.0	800.7	813.4	827.6	827.2	804.8	785.6	780.7	780.7
10°	771.8	777.1	790.9	810.1	809.7	781.6	760.4	757.9	758.3
12.5°	751.0	753.4	760.4	775.4	775.4	747.7	731.4	733.9	737.1
15°	728.6	730.2	728.6	733.4	731.4	708.6	700.4	708.2	713.1
17.5°	696.7	697.6	689.0	682.5	674.7	660.5	662.5	673.9	675.1
20°	652.3	657.6	642.1	625.4	618.1	604.6	616.0	628.7	627.8
22.5°	603.4	609.5	589.5	561.8	546.7	541.4	561.8	573.2	572.8
25°	547.5	552.0	529.2	490.5	470.1	469.3	497.4	509.2	510.0
27.5°	484.7	486.4	460.7	410.1	384.9	391.0	426.4	442.8	444.8
30°	422.0	421.1	394.6	331.9	298.4	315.1	362.8	380.8	382.8
32.5°	364.5	362.0	331.9	256.8	216.9	241.8	304.5	323.3	326.6
35°	309.4	305.4	272.7	190.0	145.5	182.6	254.4	270.7	271.9
37.5°	252.0	249.9	224.2	142.3	101.5	138.6	207.5	219.3	218.1
40°	198.5	198.5	177.3	105.6	70.5	103.1	164.3	174.9	171.2
42.5°	155.7	157.8	139.8	77.9	50.1	76.6	130.1	139.8	135.8
45°	125.6	125.6	110.1	57.9	32.6	57.1	102.7	111.7	110.9
47.5°	106.4	104.8	89.3	42.4	17.9	42.8	86.4	97.4	97.0
50°	95.0	92.5	76.6	33.4	12.6	35.5	75.8	86.0	86.4
52.5°	86.0	82.4	68.9	29.8	11.0	31.0	68.9	77.1	77.1
55°	76.2	74.2	62.0	26.5	9.8	27.7	62.0	69.3	68.9
57.5°	64.4	64.0	55.4	24.1	9.0	24.5	55.4	59.9	58.3
60°	52.6	54.2	48.1	21.6	8.2	22.0	47.3	51.0	50.1
62.5°	44.0	46.1	42.0	19.2	6.9	19.6	40.0	43.6	42.8
65°	36.7	38.3	35.1	16.3	6.1	16.3	33.0	36.3	36.3
67.5°	30.2	31.4	28.9	13.5	5.3	13.5	26.9	29.8	30.2
70°	24.1	24.9	22.8	10.6	4.5	11.0	21.2	24.1	24.1
72.5°	18.8	19.2	17.9	8.6	4.1	8.6	16.3	18.8	18.8
75°	13.5	14.3	13.5	6.5	3.7	6.5	12.6	13.9	14.3
77.5°	7.7	9.8	9.8	5.3	2.9	4.9	9.0	9.4	9.4
80°	5.3	6.1	6.9	3.7	2.0	3.7	5.7	6.1	5.7
82.5°	3.7	4.1	4.1	2.4	1.6	2.4	3.7	4.1	3.7
85°	2.0	2.9	2.9	2.0	1.2	1.6	2.0	2.4	2.0
87.5°	1.2	1.6	2.0	1.6	1.2	1.2	1.2	1.2	0.8
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)