

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: P799279

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDSWWMH**

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: P799279
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 EU6089040 6LBMDSWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

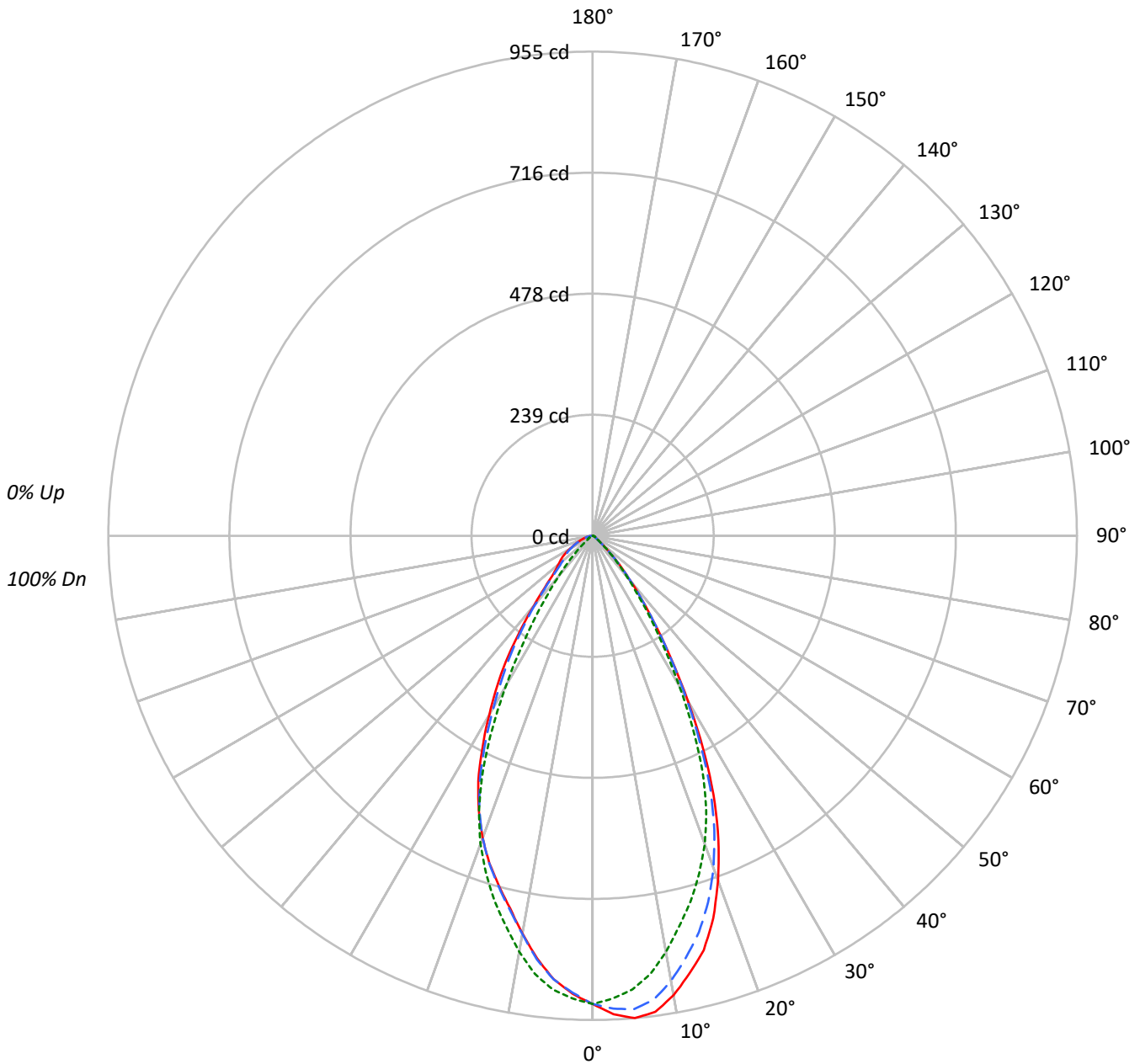
Lumens per Lamp: N/A
Luminaire Lumens: 795.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	50621	50621	50621
5°	52548	49433	48316
10°	51201	46370	44327
15°	48020	42367	40534
20°	42155	37716	36998
25°	34097	30988	32264
30°	23706	21586	25820
35°	14609	13224	19488
40°	8265	7414	12946
45°	4016	3830	8830
50°	1527	1527	7505
55°	841	994	6929
60°	614	789	5679
65°	519	675	4657
70°	449	577	3831
75°	424	593	3283
80°	253	505	2399
85°	252	1006	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	10.6
10°-20°	212.5	26.7
20°-30°	239.2	30.1
30°-40°	148.1	18.6
40°-50°	59.0	7.4
50°-60°	26.9	3.4
60°-70°	15.4	1.9
70°-80°	7.3	0.9
80°-90°	2.1	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°	536.2	67.4
0°-40°	684.3	86.1
0°-60°	770.1	96.9
0°-90°	795.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	795.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	923	923	923	923	923	
5°	955	937	898	879	878	90
15°	846	810	746	716	714	234
25°	564	548	512	525	533	253
35°	218	217	198	275	291	140
45°	52	52	49	108	114	44
55°	9	8	10	64	72	9
65°	4	4	5	36	36	4
75°	2	2	3	15	16	2
85°	0	0	2	4	4	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°	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4	923.4
2.5°	944.5	935.7	933.7	926.2	913.4	906.3	901.9	898.7	904.3
5°	954.9	945.3	937.3	921.8	898.3	885.1	878.8	873.6	878.0
7.5°	947.3	933.7	923.0	901.5	871.6	851.3	842.5	836.5	840.5
10°	919.8	903.5	891.1	865.6	833.0	808.7	797.9	792.3	796.3
12.5°	883.9	870.4	851.7	823.8	788.7	763.2	755.3	750.9	752.5
15°	846.1	830.2	809.5	781.6	746.5	721.0	716.2	713.5	714.2
17.5°	791.1	775.6	757.7	730.6	698.3	677.6	677.6	675.6	676.8
20°	722.6	714.2	696.7	674.0	646.5	627.8	633.8	631.8	634.2
22.5°	648.5	642.1	627.0	608.3	585.2	570.4	583.6	583.2	586.4
25°	563.7	558.9	548.5	532.6	512.3	503.1	525.0	525.0	533.4
27.5°	470.1	465.3	458.1	444.6	427.8	425.0	457.3	461.3	470.5
30°	374.5	371.3	367.3	354.9	341.0	346.2	390.8	397.6	407.9
32.5°	289.2	287.2	286.0	274.9	262.5	279.6	330.6	339.4	349.8
35°	218.3	213.9	217.1	208.7	197.6	219.1	275.3	282.8	291.2
37.5°	160.9	157.7	160.5	154.6	144.6	168.1	221.1	225.9	231.4
40°	115.5	112.7	115.1	111.5	103.6	125.5	173.3	178.5	180.9
42.5°	82.1	77.3	79.7	76.9	72.9	94.4	136.2	141.0	141.8
45°	51.8	50.2	51.8	50.2	49.4	70.1	107.6	111.9	113.9
47.5°	31.5	29.5	29.5	28.7	29.5	51.8	88.8	95.2	98.4
50°	17.9	17.1	16.7	16.3	17.9	40.6	76.9	84.1	88.0
52.5°	12.0	11.6	11.6	11.2	13.1	34.3	69.3	75.7	79.7
55°	8.8	8.4	8.4	8.4	10.4	29.5	63.7	68.9	72.5
57.5°	6.8	6.8	6.8	6.4	8.8	25.1	57.0	59.8	62.5
60°	5.6	5.2	5.2	5.2	7.2	21.5	49.0	50.2	51.8
62.5°	4.4	4.4	4.4	4.4	6.0	19.1	42.2	42.2	43.0
65°	4.0	3.6	3.6	3.6	5.2	16.7	35.5	35.1	35.9
67.5°	3.2	3.2	3.2	3.2	4.4	14.3	29.1	28.7	29.5
70°	2.8	2.8	2.8	2.8	3.6	12.0	23.5	23.1	23.9
72.5°	2.4	2.4	2.4	2.4	3.2	10.0	18.7	18.7	19.1
75°	2.0	2.0	2.0	2.0	2.8	7.6	15.1	15.1	15.5
77.5°	1.6	1.6	1.6	1.6	2.0	6.0	11.6	11.2	11.2
80°	0.8	1.2	1.2	1.2	1.6	4.4	8.4	7.6	7.6
82.5°	0.4	0.8	0.8	0.8	1.6	3.2	5.6	5.2	5.2
85°	0.4	0.4	0.4	1.2	1.6	2.4	3.6	3.6	3.6
87.5°	0.0	0.4	0.8	1.6	2.0	2.0	2.4	2.0	2.0
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)