

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: P799273

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDDWWMH**

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: P799273
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 EU6089040 6LBMDDWWMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

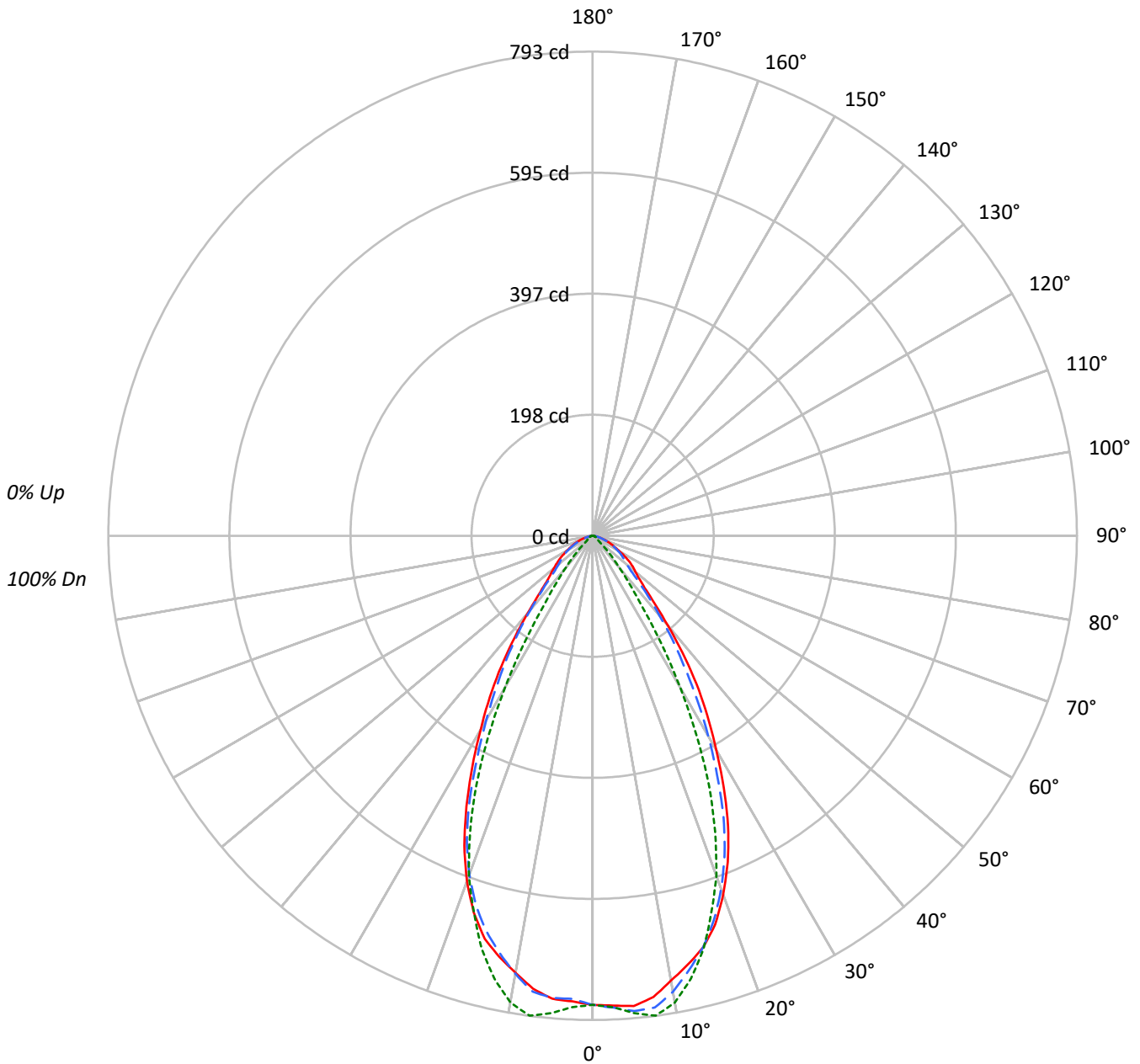
Lumens per Lamp: N/A
Luminaire Lumens: 782.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	42107	42107	42107
5°	42549	43193	41883
10°	41170	43191	40452
15°	39626	39779	38780
20°	36467	34554	35102
25°	31738	27250	29566
30°	25599	18104	23225
35°	19843	9336	17440
40°	13618	4838	11743
45°	9327	2427	8241
50°	7761	1032	7062
55°	6987	898	6308
60°	5526	855	5274
65°	4566	765	4514
70°	3703	689	3703
75°	2732	741	2902
80°	1610	631	1736
85°	1258	755	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	9.3
10°-20°	191.9	24.5
20°-30°	219.1	28.0
30°-40°	145.3	18.6
40°-50°	70.1	9.0
50°-60°	43.1	5.5
60°-70°	26.1	3.3
70°-80°	11.0	1.4
80°-90°	2.4	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°	484.1	61.9
0°-40°	629.4	80.5
0°-60°	742.5	94.9
0°-90°	782.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	782.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	768	768	768	768	768	
5°	773	781	785	760	761	73
15°	698	698	701	671	683	195
25°	525	507	450	477	489	238
35°	296	261	140	244	261	183
45°	120	106	31	98	106	98
55°	73	59	9	59	66	64
65°	35	34	6	32	35	35
75°	13	13	4	12	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°	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1	768.1
2.5°	770.1	771.3	773.6	774.0	772.8	765.4	759.1	761.5	763.4
5°	773.2	775.6	781.4	786.9	784.9	772.4	759.9	759.5	761.1
7.5°	761.9	767.3	779.5	793.1	792.7	771.3	752.9	748.2	748.2
10°	739.6	744.7	758.0	776.3	775.9	749.0	728.7	726.3	726.7
12.5°	719.7	722.0	728.7	743.1	743.1	716.6	700.9	703.3	706.4
15°	698.2	699.8	698.2	702.9	700.9	679.0	671.2	678.7	683.3
17.5°	667.7	668.5	660.3	654.0	646.6	632.9	634.9	645.8	647.0
20°	625.1	630.2	615.4	599.3	592.3	579.4	590.4	602.5	601.7
22.5°	578.2	584.1	565.0	538.4	523.9	518.9	538.4	549.3	548.9
25°	524.7	529.0	507.1	470.0	450.5	449.7	476.7	488.0	488.8
27.5°	464.6	466.1	441.5	393.1	368.8	374.7	408.7	424.3	426.3
30°	404.4	403.6	378.2	318.0	286.0	302.0	347.7	364.9	366.9
32.5°	349.3	346.9	318.0	246.1	207.9	231.7	291.9	309.8	313.0
35°	296.5	292.6	261.4	182.1	139.5	175.0	243.8	259.4	260.6
37.5°	241.5	239.5	214.9	136.4	97.3	132.8	198.9	210.2	209.0
40°	190.3	190.3	170.0	101.2	67.6	98.8	157.5	167.6	164.1
42.5°	149.3	151.2	134.0	74.6	48.1	73.5	124.6	134.0	130.1
45°	120.3	120.3	105.5	55.5	31.3	54.7	98.5	107.1	106.3
47.5°	102.0	100.4	85.6	40.6	17.2	41.0	82.8	93.4	93.0
50°	91.0	88.7	73.5	32.0	12.1	34.0	72.7	82.4	82.8
52.5°	82.4	78.9	66.0	28.5	10.5	29.7	66.0	73.8	73.8
55°	73.1	71.1	59.4	25.4	9.4	26.6	59.4	66.4	66.0
57.5°	61.7	61.3	53.1	23.1	8.6	23.4	53.1	57.4	55.9
60°	50.4	52.0	46.1	20.7	7.8	21.1	45.3	48.8	48.1
62.5°	42.2	44.1	40.2	18.4	6.6	18.8	38.3	41.8	41.0
65°	35.2	36.7	33.6	15.6	5.9	15.6	31.6	34.8	34.8
67.5°	28.9	30.1	27.7	12.9	5.1	12.9	25.8	28.5	28.9
70°	23.1	23.8	21.9	10.2	4.3	10.5	20.3	23.1	23.1
72.5°	18.0	18.4	17.2	8.2	3.9	8.2	15.6	18.0	18.0
75°	12.9	13.7	12.9	6.3	3.5	6.3	12.1	13.3	13.7
77.5°	7.4	9.4	9.4	5.1	2.7	4.7	8.6	9.0	9.0
80°	5.1	5.9	6.6	3.5	2.0	3.5	5.5	5.9	5.5
82.5°	3.5	3.9	3.9	2.3	1.6	2.3	3.5	3.9	3.5
85°	2.0	2.7	2.7	2.0	1.2	1.6	2.0	2.3	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)