

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: P799278

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDSWWH**

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: P799278
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 6LBMDSWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

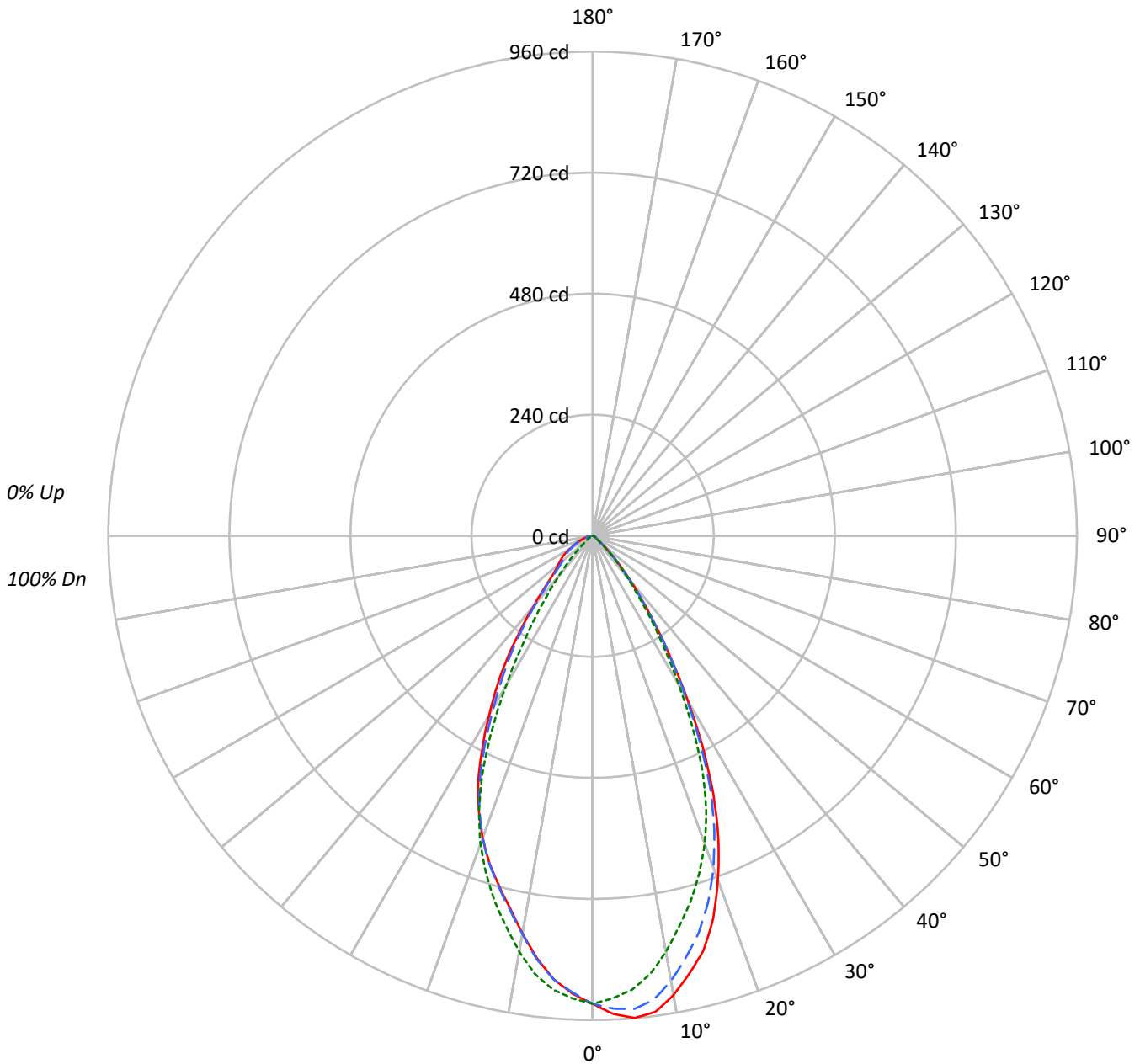
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799278

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDSWWH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	50873	50873	50873
5°	52812	49681	48558
10°	51458	46598	44549
15°	48264	42583	40738
20°	42365	37908	37185
25°	34266	31145	32427
30°	23820	21693	25953
35°	14683	13291	19588
40°	8308	7450	13010
45°	4031	3845	8877
50°	1535	1535	7548
55°	841	994	6967
60°	614	789	5701
65°	519	675	4670
70°	449	577	3847
75°	424	593	3304
80°	253	505	2399
85°	252	1006	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	10.6
10°-20°	213.5	26.7
20°-30°	240.4	30.1
30°-40°	148.8	18.6
40°-50°	59.3	7.4
50°-60°	27.0	3.4
60°-70°	15.5	1.9
70°-80°	7.4	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°	538.9	67.4
0°-40°	687.7	86.1
0°-60°	774.0	96.9
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	928	928	928	928	928	
5°	960	942	903	883	882	90
15°	850	814	750	720	718	235
25°	566	551	515	528	536	255
35°	219	218	199	277	293	141
45°	52	52	50	108	114	44
55°	9	8	10	64	73	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°	928.0	928.0	928.0	928.0	928.0	928.0	928.0	928.0	928.0
2.5°	949.2	940.4	938.4	930.8	918.0	910.8	906.4	903.2	908.8
5°	959.7	950.0	942.0	926.4	902.8	889.6	883.2	878.0	882.4
7.5°	952.0	938.4	927.6	906.0	876.0	855.6	846.8	840.8	844.8
10°	924.4	908.0	895.6	870.0	837.1	812.7	801.9	796.3	800.3
12.5°	888.4	874.8	856.0	827.9	792.7	767.1	759.1	754.7	756.3
15°	850.4	834.3	813.5	785.5	750.3	724.6	719.8	717.0	717.8
17.5°	795.1	779.5	761.5	734.3	701.8	681.0	681.0	679.0	680.2
20°	726.2	717.8	700.2	677.4	649.8	631.0	637.0	635.0	637.4
22.5°	651.8	645.4	630.2	611.3	588.1	573.3	586.5	586.1	589.3
25°	566.5	561.7	551.3	535.3	514.9	505.7	527.7	527.7	536.1
27.5°	472.4	467.6	460.4	446.8	430.0	427.2	459.6	463.6	472.8
30°	376.3	373.1	369.1	356.7	342.7	347.9	392.8	399.6	410.0
32.5°	290.7	288.7	287.5	276.2	263.8	281.1	332.3	341.1	351.5
35°	219.4	215.0	218.2	209.8	198.6	220.2	276.6	284.3	292.7
37.5°	161.7	158.5	161.3	155.3	145.3	169.0	222.2	227.0	232.6
40°	116.1	113.3	115.7	112.1	104.1	126.1	174.2	179.4	181.8
42.5°	82.5	77.7	80.1	77.3	73.3	94.9	136.9	141.7	142.5
45°	52.0	50.4	52.0	50.4	49.6	70.5	108.1	112.5	114.5
47.5°	31.6	29.6	29.6	28.8	29.6	52.0	89.3	95.7	98.9
50°	18.0	17.2	16.8	16.4	18.0	40.8	77.3	84.5	88.5
52.5°	12.0	11.6	11.6	11.2	13.2	34.4	69.7	76.1	80.1
55°	8.8	8.4	8.4	8.4	10.4	29.6	64.1	69.3	72.9
57.5°	6.8	6.8	6.8	6.4	8.8	25.2	57.3	60.1	62.9
60°	5.6	5.2	5.2	5.2	7.2	21.6	49.2	50.4	52.0
62.5°	4.4	4.4	4.4	4.4	6.0	19.2	42.4	42.4	43.2
65°	4.0	3.6	3.6	3.6	5.2	16.8	35.6	35.2	36.0
67.5°	3.2	3.2	3.2	3.2	4.4	14.4	29.2	28.8	29.6
70°	2.8	2.8	2.8	2.8	3.6	12.0	23.6	23.2	24.0
72.5°	2.4	2.4	2.4	2.4	3.2	10.0	18.8	18.8	19.2
75°	2.0	2.0	2.0	2.0	2.8	7.6	15.2	15.2	15.6
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)