

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: P799266

Luminaire Tested: **LD6C08D010 EU6089035 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: P799266
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 EU6089035 6LBMDSWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

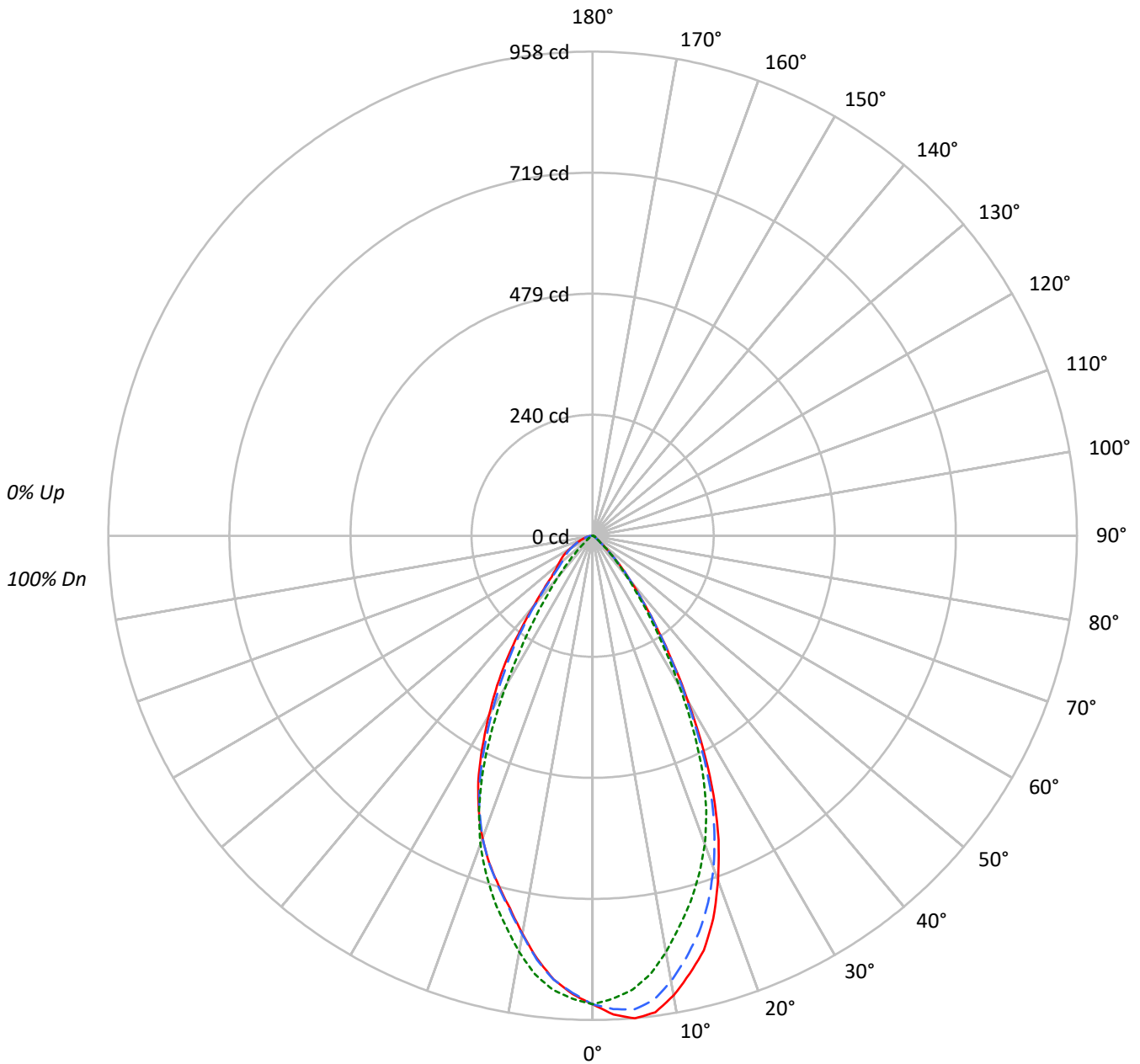
Lumens per Lamp: N/A
Luminaire Lumens: 798.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	50813	50813	50813
5°	52746	49620	48498
10°	51396	46542	44494
15°	48201	42526	40687
20°	42313	37862	37138
25°	34224	31103	32385
30°	23795	21668	25922
35°	14663	13271	19562
40°	8301	7443	12989
45°	4031	3845	8869
50°	1535	1535	7539
55°	841	994	6958
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°	84.9	10.6
10°-20°	213.3	26.7
20°-30°	240.1	30.1
30°-40°	148.7	18.6
40°-50°	59.2	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°	538.2	67.4
0°-40°	686.8	86.1
0°-60°	773.0	96.9
0°-90°	798.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	798.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	927	927	927	927	927	
5°	958	941	902	882	881	90
15°	849	812	749	719	717	235
25°	566	551	514	527	535	254
35°	219	218	198	276	292	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°	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9	926.9
2.5°	948.1	939.3	937.3	929.7	916.9	909.7	905.3	902.1	907.7
5°	958.5	948.9	940.9	925.3	901.7	888.5	882.1	876.9	881.3
7.5°	950.9	937.3	926.5	904.9	874.9	854.5	845.7	839.7	843.7
10°	923.3	906.9	894.5	868.9	836.1	811.7	800.9	795.3	799.3
12.5°	887.3	873.7	854.9	826.9	791.7	766.1	758.1	753.7	755.3
15°	849.3	833.3	812.5	784.5	749.3	723.7	718.9	716.1	716.9
17.5°	794.1	778.5	760.5	733.3	700.9	680.2	680.2	678.2	679.4
20°	725.3	716.9	699.3	676.6	649.0	630.2	636.2	634.2	636.6
22.5°	651.0	644.6	629.4	610.6	587.4	572.6	585.8	585.4	588.6
25°	565.8	561.0	550.6	534.6	514.2	505.0	527.0	527.0	535.4
27.5°	471.8	467.0	459.8	446.2	429.4	426.6	459.0	463.0	472.2
30°	375.9	372.7	368.7	356.3	342.3	347.5	392.3	399.1	409.5
32.5°	290.3	288.3	287.1	275.9	263.5	280.7	331.9	340.7	351.1
35°	219.1	214.7	217.9	209.5	198.3	219.9	276.3	283.9	292.3
37.5°	161.5	158.3	161.1	155.1	145.1	168.7	221.9	226.7	232.3
40°	116.0	113.2	115.6	112.0	104.0	126.0	173.9	179.1	181.5
42.5°	82.4	77.6	80.0	77.2	73.2	94.8	136.8	141.5	142.3
45°	52.0	50.4	52.0	50.4	49.6	70.4	108.0	112.4	114.4
47.5°	31.6	29.6	29.6	28.8	29.6	52.0	89.2	95.6	98.8
50°	18.0	17.2	16.8	16.4	18.0	40.8	77.2	84.4	88.4
52.5°	12.0	11.6	11.6	11.2	13.2	34.4	69.6	76.0	80.0
55°	8.8	8.4	8.4	8.4	10.4	29.6	64.0	69.2	72.8
57.5°	6.8	6.8	6.8	6.4	8.8	25.2	57.2	60.0	62.8
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)