

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: P799254

Luminaire Tested: **LD6C08D010 EU6089030 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: P799254
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 EU6089030 6LBMDSWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

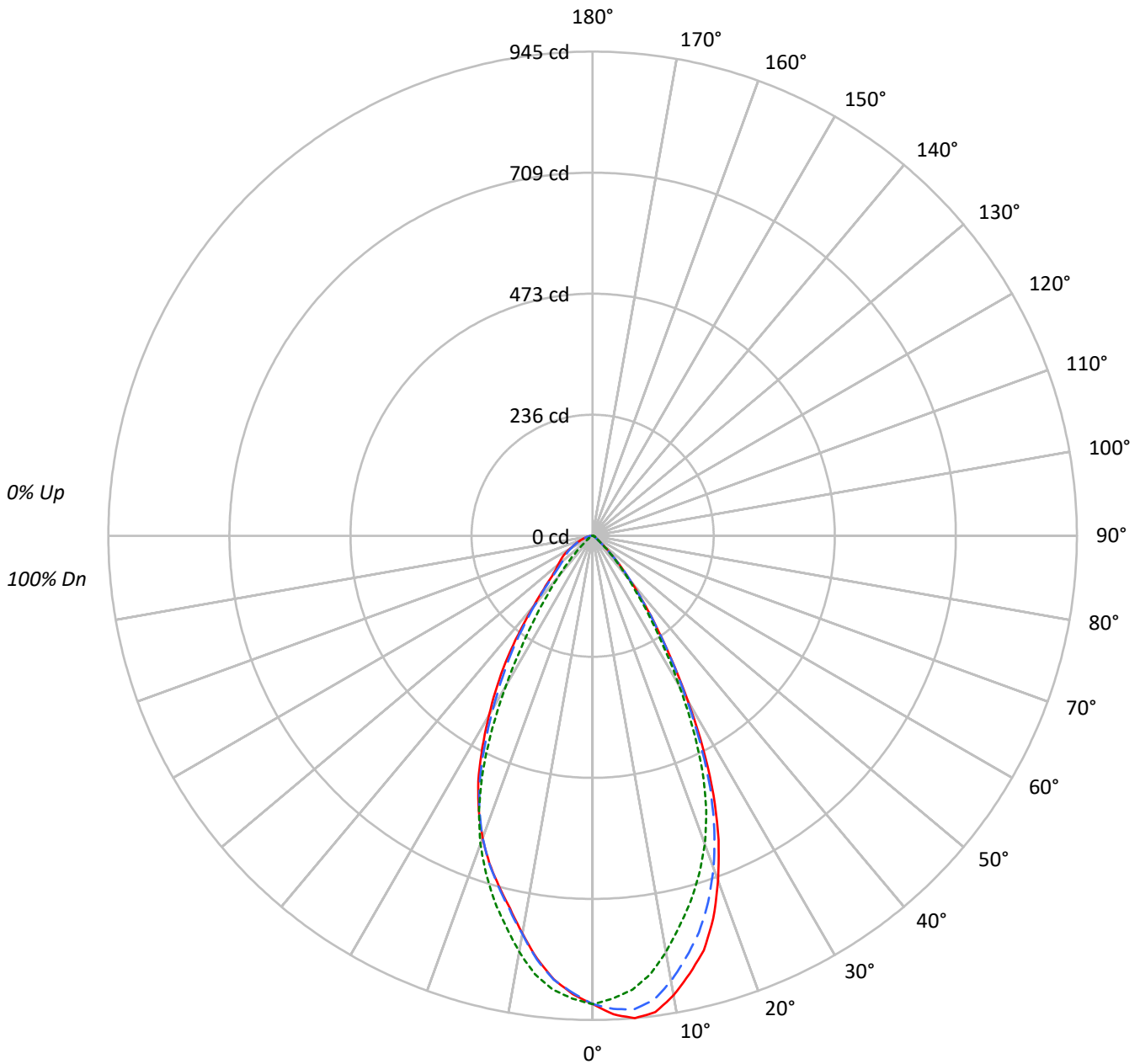
Lumens per Lamp: N/A
Luminaire Lumens: 787.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P799254

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDSWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799254

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDSWWH

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°	50111	50111	50111
5°	52014	48932	47826
10°	50684	45902	43881
15°	47537	41941	40131
20°	41729	37337	36625
25°	33752	30673	31937
30°	23466	21370	25561
35°	14462	13090	19294
40°	8187	7335	12810
45°	3977	3791	8745
50°	1510	1510	7437
55°	832	984	6862
60°	603	778	5625
65°	506	662	4605
70°	449	561	3799
75°	424	593	3262
80°	253	505	2368
85°	252	1006	2201



TEST NUMBER: P799254

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMDSWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	10.6
10°-20°	210.3	26.7
20°-30°	236.8	30.1
30°-40°	146.6	18.6
40°-50°	58.4	7.4
50°-60°	26.6	3.4
60°-70°	15.3	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°	530.8	67.4
0°-40°	677.4	86.1
0°-60°	762.4	96.9
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	914	914	914	914	914	
5°	945	928	889	870	869	89
15°	838	801	739	709	707	232
25°	558	543	507	520	528	251
35°	216	215	196	272	288	139
45°	51	51	49	106	113	43
55°	9	8	10	63	72	9
65°	4	4	5	35	36	4
75°	2	2	3	15	15	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



TEST NUMBER: P799254

CATALOG NUMBER: LD6C08D010 EU6089030 6LBMSWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1	914.1
2.5°	935.0	926.3	924.3	916.9	904.2	897.1	892.8	889.6	895.2
5°	945.2	935.8	927.9	912.5	889.2	876.2	869.9	864.8	869.1
7.5°	937.8	924.3	913.7	892.4	862.8	842.7	834.0	828.1	832.1
10°	910.5	894.4	882.1	856.9	824.6	800.5	789.9	784.4	788.3
12.5°	875.1	861.6	843.1	815.5	780.8	755.6	747.7	743.3	744.9
15°	837.6	821.8	801.3	773.7	739.0	713.8	709.0	706.3	707.1
17.5°	783.2	767.8	750.0	723.2	691.3	670.8	670.8	668.8	670.0
20°	715.3	707.1	689.7	667.2	640.0	621.5	627.4	625.4	627.8
22.5°	642.0	635.7	620.7	602.2	579.3	564.7	577.7	577.3	580.5
25°	558.0	553.3	543.0	527.2	507.1	498.1	519.7	519.7	528.0
27.5°	465.3	460.6	453.5	440.1	423.5	420.8	452.7	456.7	465.7
30°	370.7	367.5	363.6	351.4	337.6	342.7	386.9	393.6	403.8
32.5°	286.3	284.3	283.1	272.1	259.9	276.8	327.3	336.0	346.2
35°	216.1	211.8	214.9	206.6	195.6	216.9	272.5	280.0	288.3
37.5°	159.3	156.2	158.9	153.0	143.1	166.4	218.9	223.6	229.1
40°	114.4	111.6	114.0	110.4	102.5	124.2	171.5	176.7	179.0
42.5°	81.2	76.5	78.9	76.1	72.2	93.5	134.9	139.6	140.4
45°	51.3	49.7	51.3	49.7	48.9	69.4	106.5	110.8	112.8
47.5°	31.2	29.2	29.2	28.4	29.2	51.3	87.9	94.2	97.4
50°	17.7	17.0	16.6	16.2	17.7	40.2	76.1	83.2	87.2
52.5°	11.8	11.4	11.4	11.0	13.0	33.9	68.6	74.9	78.9
55°	8.7	8.3	8.3	8.3	10.3	29.2	63.1	68.2	71.8
57.5°	6.7	6.7	6.7	6.3	8.7	24.8	56.4	59.2	61.9
60°	5.5	5.1	5.1	5.1	7.1	21.3	48.5	49.7	51.3
62.5°	4.3	4.3	4.3	4.3	5.9	18.9	41.8	41.8	42.6
65°	3.9	3.5	3.5	3.5	5.1	16.6	35.1	34.7	35.5
67.5°	3.2	3.2	3.2	3.2	4.3	14.2	28.8	28.4	29.2
70°	2.8	2.8	2.8	2.8	3.5	11.8	23.3	22.9	23.7
72.5°	2.4	2.4	2.4	2.4	3.2	9.9	18.5	18.5	18.9
75°	2.0	2.0	2.0	2.0	2.8	7.5	15.0	15.0	15.4
77.5°	1.6	1.6	1.6	1.6	2.0	5.9	11.4	11.0	11.0
80°	0.8	1.2	1.2	1.2	1.6	4.3	8.3	7.5	7.5
82.5°	0.4	0.8	0.8	0.8	1.6	3.2	5.5	5.1	5.1
85°	0.4	0.4	0.4	1.2	1.6	2.4	3.5	3.5	3.5
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)