

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: P799272

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDDWWH**

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: P799272
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 6LBMDDWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

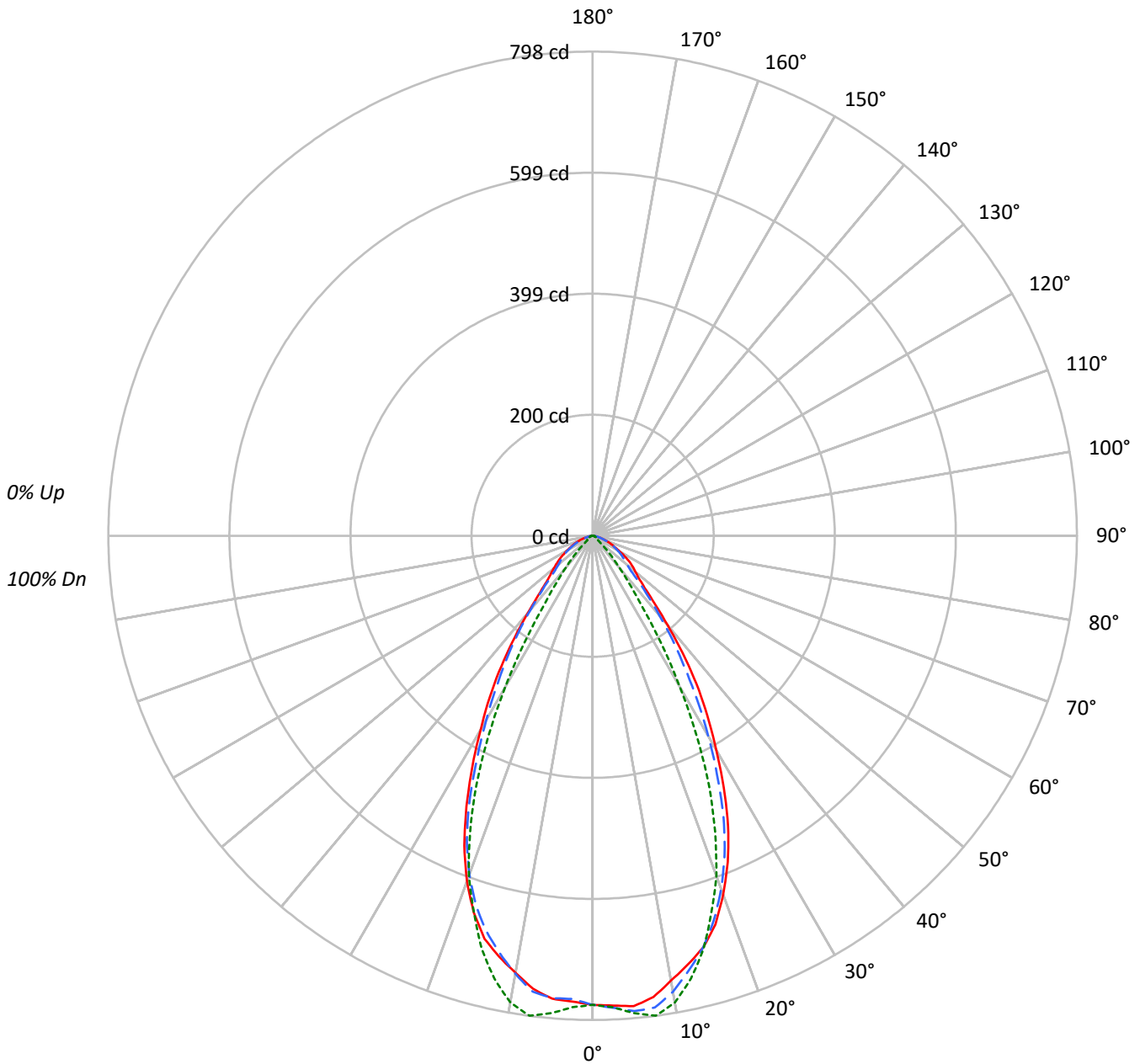
Lumens per Lamp: N/A
Luminaire Lumens: 787.0 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799272

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDDWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799272

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDDWWH

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°	42376	42376	42376
5°	42824	43468	42153
10°	41432	43469	40714
15°	39881	40034	39030
20°	36701	34776	35324
25°	31943	27425	29754
30°	25763	18218	23371
35°	19970	9396	17554
40°	13704	4866	11815
45°	9389	2442	8295
50°	7812	1040	7113
55°	7025	898	6356
60°	5559	866	5307
65°	4592	765	4540
70°	3719	689	3719
75°	2754	741	2923
80°	1610	631	1736
85°	1258	755	1258



TEST NUMBER: P799272

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDDWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.6	9.3
10°-20°	193.1	24.5
20°-30°	220.5	28.0
30°-40°	146.2	18.6
40°-50°	70.5	9.0
50°-60°	43.4	5.5
60°-70°	26.2	3.3
70°-80°	11.0	1.4
80°-90°	2.5	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°	487.2	61.9
0°-40°	633.4	80.5
0°-60°	747.3	95.0
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°	773	773	773	773	773	
5°	778	786	790	765	766	73
15°	703	703	705	676	688	196
25°	528	510	453	480	492	239
35°	298	263	140	245	262	185
45°	121	106	32	99	107	99
55°	74	60	9	60	66	65
65°	35	34	6	32	35	36
75°	13	13	4	12	14	14
85°	2	3	1	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799272

CATALOG NUMBER: LD6C08D010 EU6089040 6LBMDDWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	773.0	773.0	773.0	773.0	773.0	773.0	773.0	773.0	773.0
2.5°	775.0	776.2	778.5	778.9	777.8	770.3	764.0	766.4	768.3
5°	778.2	780.5	786.4	791.9	789.9	777.4	764.8	764.4	766.0
7.5°	766.8	772.3	784.4	798.2	797.8	776.2	757.7	753.0	753.0
10°	744.3	749.4	762.8	781.3	780.9	753.8	733.3	731.0	731.4
12.5°	724.3	726.6	733.3	747.9	747.9	721.1	705.4	707.8	710.9
15°	702.7	704.2	702.7	707.4	705.4	683.4	675.5	683.0	687.7
17.5°	672.0	672.8	664.5	658.2	650.8	637.0	639.0	650.0	651.1
20°	629.1	634.2	619.3	603.2	596.1	583.1	594.1	606.3	605.5
22.5°	581.9	587.8	568.6	541.8	527.3	522.2	541.8	552.8	552.5
25°	528.1	532.4	510.4	473.0	453.4	452.6	479.7	491.1	491.9
27.5°	467.5	469.1	444.3	395.6	371.2	377.1	411.3	427.0	429.0
30°	407.0	406.2	380.6	320.1	287.8	303.9	350.0	367.3	369.2
32.5°	351.5	349.2	320.1	247.7	209.2	233.2	293.7	311.8	315.0
35°	298.4	294.5	263.1	183.2	140.4	176.2	245.4	261.1	262.3
37.5°	243.0	241.0	216.3	137.2	97.9	133.7	200.1	211.5	210.4
40°	191.5	191.5	171.0	101.8	68.0	99.5	158.5	168.7	165.1
42.5°	150.2	152.2	134.9	75.1	48.4	73.9	125.4	134.9	130.9
45°	121.1	121.1	106.2	55.8	31.5	55.0	99.1	107.7	107.0
47.5°	102.6	101.1	86.1	40.9	17.3	41.3	83.4	94.0	93.6
50°	91.6	89.3	73.9	32.2	12.2	34.2	73.1	83.0	83.4
52.5°	83.0	79.4	66.5	28.7	10.6	29.9	66.5	74.3	74.3
55°	73.5	71.6	59.8	25.6	9.4	26.7	59.8	66.8	66.5
57.5°	62.1	61.7	53.5	23.2	8.7	23.6	53.5	57.8	56.2
60°	50.7	52.3	46.4	20.8	7.9	21.2	45.6	49.2	48.4
62.5°	42.5	44.4	40.5	18.5	6.7	18.9	38.5	42.1	41.3
65°	35.4	37.0	33.8	15.7	5.9	15.7	31.8	35.0	35.0
67.5°	29.1	30.3	27.9	13.0	5.1	13.0	26.0	28.7	29.1
70°	23.2	24.0	22.0	10.2	4.3	10.6	20.4	23.2	23.2
72.5°	18.1	18.5	17.3	8.3	3.9	8.3	15.7	18.1	18.1
75°	13.0	13.8	13.0	6.3	3.5	6.3	12.2	13.4	13.8
77.5°	7.5	9.4	9.4	5.1	2.8	4.7	8.7	9.0	9.0
80°	5.1	5.9	6.7	3.5	2.0	3.5	5.5	5.9	5.5
82.5°	3.5	3.9	3.9	2.4	1.6	2.4	3.5	3.9	3.5
85°	2.0	2.8	2.8	2.0	1.2	1.6	2.0	2.4	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)