

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: P799284

Luminaire Tested: **LD6C08D010 EU6089050 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: P799284
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 EU6089050 6LBMDDWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

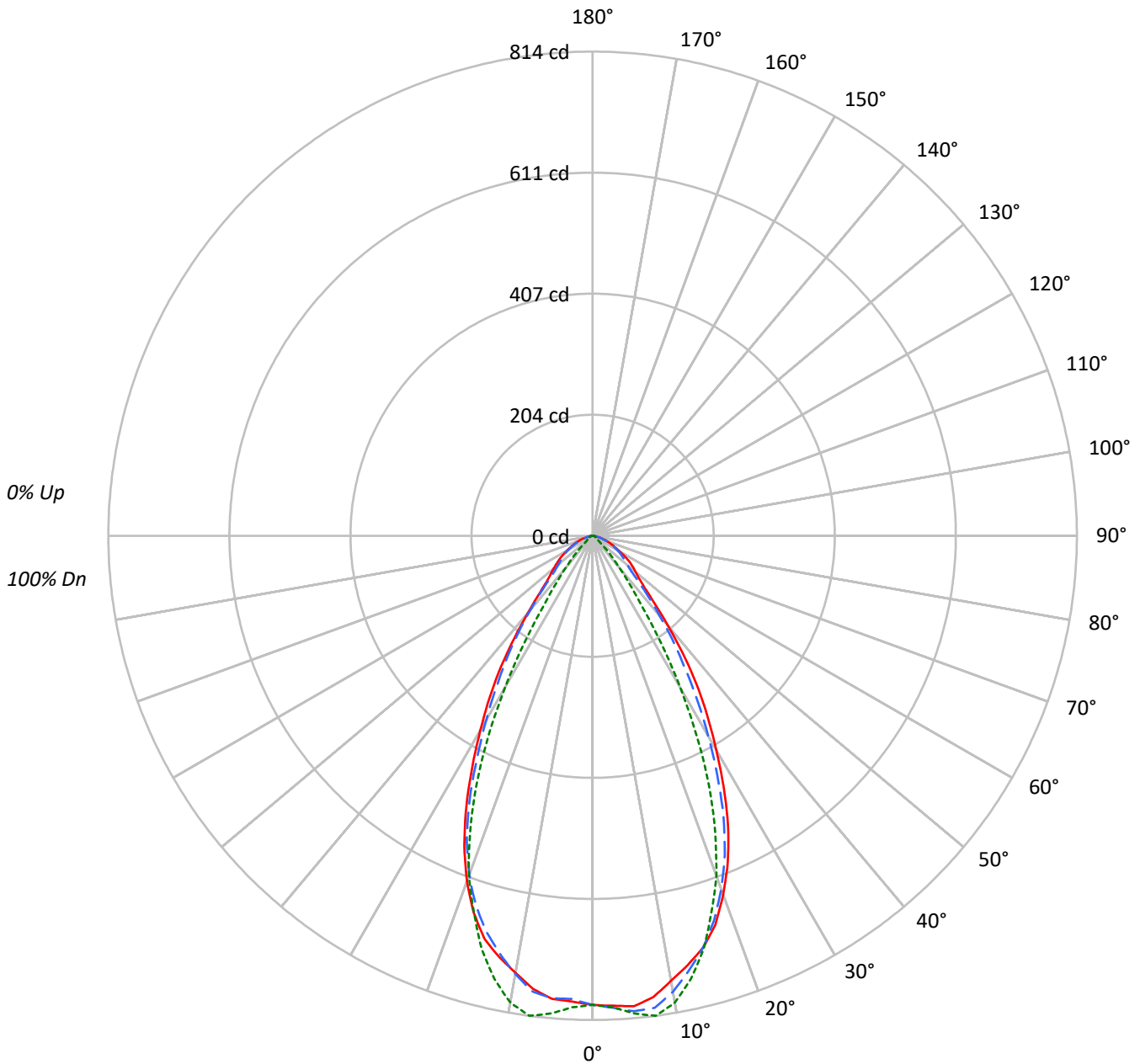
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): 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: P799284

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDDWWH

Luminous Intensity Polar Plot





TEST NUMBER: P799284

CATALOG NUMBER: LD6C08D010 EU6089050 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°	43242	43242	43242
5°	43693	44354	43006
10°	42278	44355	41538
15°	40687	40852	39824
20°	37447	35481	36041
25°	32591	27981	30359
30°	26283	18591	23845
35°	20378	9583	17909
40°	13983	4966	12058
45°	9582	2489	8458
50°	7974	1058	7258
55°	7168	918	6480
60°	5679	877	5405
65°	4683	778	4631
70°	3799	705	3799
75°	2796	763	2965
80°	1642	631	1768
85°	1258	755	1258



TEST NUMBER: P799284

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDDWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	9.4
10°-20°	197.1	24.5
20°-30°	224.9	28.0
30°-40°	149.2	18.6
40°-50°	72.0	9.0
50°-60°	44.3	5.5
60°-70°	26.8	3.3
70°-80°	11.3	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°	497.1	61.9
0°-40°	646.3	80.5
0°-60°	762.5	95.0
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	789	789	789	789	789	
5°	794	802	806	780	782	75
15°	717	717	720	689	702	200
25°	539	521	463	490	502	244
35°	304	268	143	250	268	188
45°	124	108	32	101	109	101
55°	75	61	10	61	68	66
65°	36	34	6	32	36	36
75°	13	13	4	12	14	14
85°	2	3	1	2	2	3
90°	0	0	0	0	0	



TEST NUMBER: P799284

CATALOG NUMBER: LD6C08D010 EU6089050 6LBMDDWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8	788.8
2.5°	790.8	792.0	794.4	794.8	793.6	785.9	779.5	781.9	783.9
5°	794.0	796.4	802.4	808.0	806.0	793.2	780.3	779.9	781.5
7.5°	782.3	788.0	800.4	814.4	814.0	792.0	773.1	768.3	768.3
10°	759.5	764.7	778.3	797.2	796.8	769.1	748.2	745.8	746.2
12.5°	739.0	741.4	748.2	763.1	763.1	735.8	719.8	722.2	725.4
15°	716.9	718.5	716.9	721.8	719.8	697.3	689.3	696.9	701.7
17.5°	685.6	686.5	678.0	671.6	664.0	649.9	651.9	663.2	664.4
20°	641.9	647.1	631.9	615.4	608.2	595.0	606.2	618.6	617.8
22.5°	593.8	599.8	580.1	552.9	538.0	532.8	552.9	564.1	563.7
25°	538.8	543.2	520.8	482.6	462.6	461.8	489.5	501.1	501.9
27.5°	477.0	478.6	453.4	403.6	378.7	384.8	419.7	435.7	437.7
30°	415.2	414.4	388.4	326.6	293.7	310.1	357.1	374.7	376.7
32.5°	358.7	356.3	326.6	252.8	213.4	237.9	299.7	318.2	321.4
35°	304.5	300.5	268.4	187.0	143.2	179.7	250.3	266.4	267.6
37.5°	247.9	245.9	220.7	140.0	99.9	136.4	204.2	215.8	214.6
40°	195.4	195.4	174.5	103.9	69.4	101.5	161.7	172.1	168.5
42.5°	153.3	155.3	137.6	76.6	49.3	75.4	128.0	137.6	133.6
45°	123.6	123.6	108.3	57.0	32.1	56.2	101.1	109.9	109.1
47.5°	104.7	103.1	87.9	41.7	17.7	42.1	85.1	95.9	95.5
50°	93.5	91.1	75.4	32.9	12.4	34.9	74.6	84.7	85.1
52.5°	84.7	81.0	67.8	29.3	10.8	30.5	67.8	75.8	75.8
55°	75.0	73.0	61.0	26.1	9.6	27.3	61.0	68.2	67.8
57.5°	63.4	63.0	54.6	23.7	8.8	24.1	54.6	59.0	57.4
60°	51.8	53.4	47.3	21.3	8.0	21.7	46.5	50.1	49.3
62.5°	43.3	45.3	41.3	18.9	6.8	19.3	39.3	42.9	42.1
65°	36.1	37.7	34.5	16.0	6.0	16.0	32.5	35.7	35.7
67.5°	29.7	30.9	28.5	13.2	5.2	13.2	26.5	29.3	29.7
70°	23.7	24.5	22.5	10.4	4.4	10.8	20.9	23.7	23.7
72.5°	18.5	18.9	17.7	8.4	4.0	8.4	16.0	18.5	18.5
75°	13.2	14.0	13.2	6.4	3.6	6.4	12.4	13.6	14.0
77.5°	7.6	9.6	9.6	5.2	2.8	4.8	8.8	9.2	9.2
80°	5.2	6.0	6.8	3.6	2.0	3.6	5.6	6.0	5.6
82.5°	3.6	4.0	4.0	2.4	1.6	2.4	3.6	4.0	3.6
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)