

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: P799276

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDSWLI**

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: P799276
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 6LBMDSWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

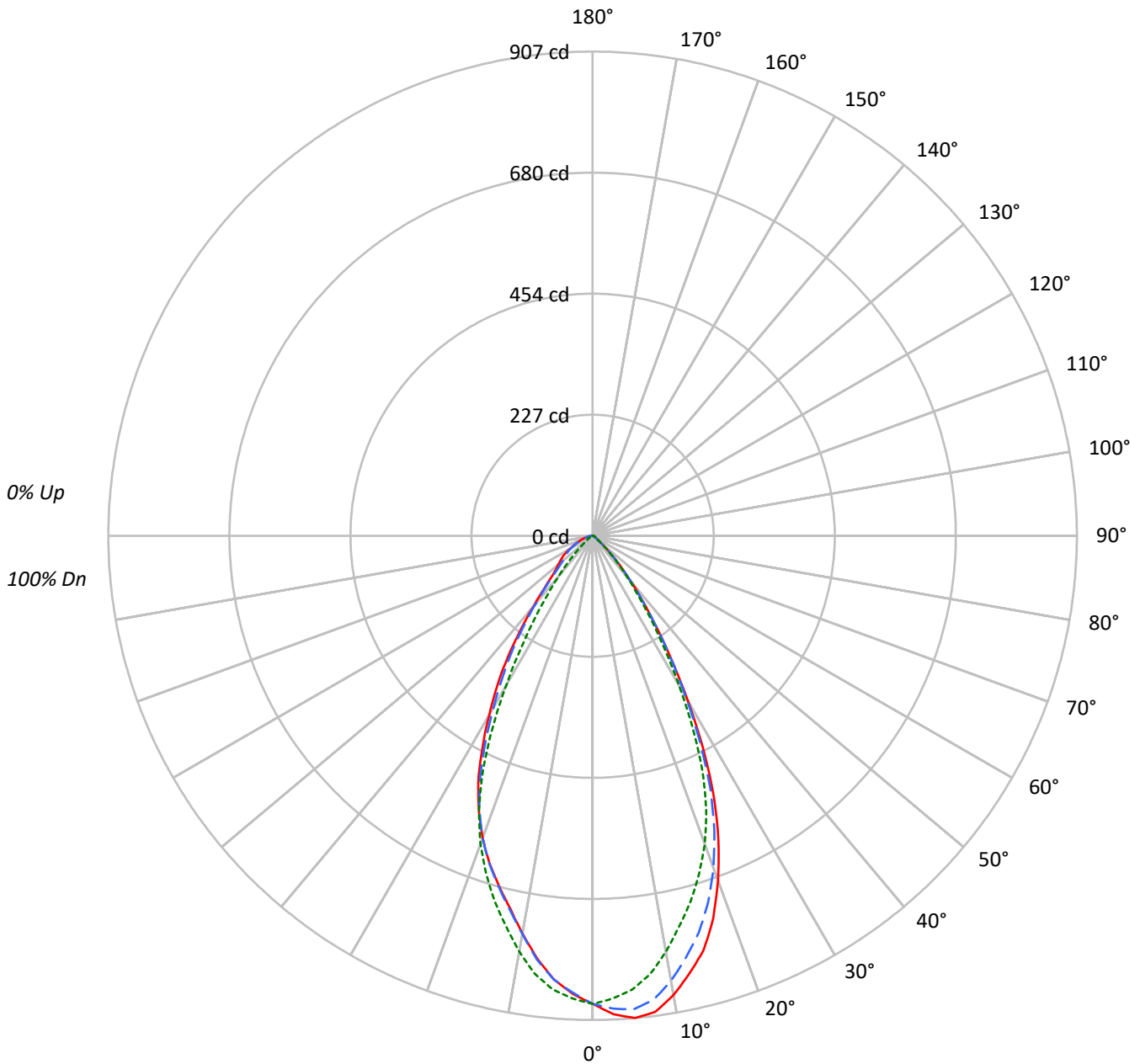
Lumens per Lamp: N/A
Luminaire Lumens: 755.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (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

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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°	48072	48072	48072
5°	49901	46946	45884
10°	48624	44032	42095
15°	45602	40239	38496
20°	40038	35820	35137
25°	32379	29427	30643
30°	22510	20497	24523
35°	13873	12555	18504
40°	7850	7042	12294
45°	3814	3636	8388
50°	1450	1450	7130
55°	793	937	6585
60°	581	746	5394
65°	493	636	4410
70°	417	545	3638
75°	402	551	3135
80°	253	474	2273
85°	252	943	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	10.6
10°-20°	201.8	26.7
20°-30°	227.1	30.1
30°-40°	140.7	18.6
40°-50°	56.0	7.4
50°-60°	25.5	3.4
60°-70°	14.7	1.9
70°-80°	7.0	0.9
80°-90°	2.0	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°	509.2	67.4
0°-40°	649.8	86.1
0°-60°	731.3	96.9
0°-90°	755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	877	877	877	877	877	
5°	907	890	853	835	834	85
15°	804	769	709	680	678	222
25°	535	521	486	499	507	241
35°	207	206	188	261	276	133
45°	49	49	47	102	108	42
55°	8	8	10	60	69	8
65°	4	3	5	34	34	4
75°	2	2	3	14	15	2
85°	0	0	2	3	3	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°	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9	876.9
2.5°	897.0	888.7	886.8	879.6	867.5	860.7	856.5	853.5	858.8
5°	906.8	897.7	890.2	875.4	853.1	840.6	834.6	829.6	833.8
7.5°	899.6	886.8	876.5	856.1	827.7	808.4	800.1	794.5	798.2
10°	873.5	858.0	846.3	822.1	791.0	768.0	757.8	752.5	756.2
12.5°	839.5	826.6	808.8	782.3	749.1	724.8	717.3	713.1	714.6
15°	803.5	788.4	768.7	742.2	709.0	684.7	680.2	677.6	678.3
17.5°	751.3	736.6	719.5	693.8	663.2	643.5	643.5	641.6	642.7
20°	686.3	678.3	661.7	640.1	614.0	596.2	601.9	600.0	602.3
22.5°	615.9	609.8	595.5	577.7	555.7	541.7	554.2	553.8	556.9
25°	535.3	530.8	520.9	505.8	486.5	477.8	498.6	498.6	506.6
27.5°	446.4	441.9	435.1	422.2	406.3	403.7	434.3	438.1	446.8
30°	355.6	352.6	348.8	337.1	323.8	328.8	371.1	377.6	387.4
32.5°	274.7	272.8	271.6	261.0	249.3	265.6	314.0	322.3	332.2
35°	207.3	203.2	206.2	198.2	187.6	208.1	261.4	268.6	276.5
37.5°	152.8	149.8	152.5	146.8	137.3	159.6	210.0	214.5	219.8
40°	109.7	107.1	109.3	105.9	98.4	119.2	164.6	169.5	171.8
42.5°	77.9	73.4	75.7	73.0	69.2	89.7	129.4	133.9	134.7
45°	49.2	47.7	49.2	47.7	46.9	66.6	102.1	106.3	108.2
47.5°	29.9	28.0	28.0	27.2	28.0	49.2	84.4	90.4	93.4
50°	17.0	16.3	15.9	15.5	17.0	38.6	73.0	79.8	83.6
52.5°	11.3	11.0	11.0	10.6	12.5	32.5	65.8	71.9	75.7
55°	8.3	7.9	7.9	7.9	9.8	28.0	60.5	65.4	68.9
57.5°	6.4	6.4	6.4	6.1	8.3	23.8	54.1	56.7	59.4
60°	5.3	4.9	4.9	4.9	6.8	20.4	46.5	47.7	49.2
62.5°	4.2	4.2	4.2	4.2	5.7	18.2	40.1	40.1	40.9
65°	3.8	3.4	3.4	3.4	4.9	15.9	33.7	33.3	34.0
67.5°	3.0	3.0	3.0	3.0	4.2	13.6	27.6	27.2	28.0
70°	2.6	2.6	2.6	2.6	3.4	11.3	22.3	21.9	22.7
72.5°	2.3	2.3	2.3	2.3	3.0	9.5	17.8	17.8	18.2
75°	1.9	1.9	1.9	1.9	2.6	7.2	14.4	14.4	14.8
77.5°	1.5	1.5	1.5	1.5	1.9	5.7	11.0	10.6	10.6
80°	0.8	1.1	1.1	1.1	1.5	4.2	7.9	7.2	7.2
82.5°	0.4	0.8	0.8	0.8	1.5	3.0	5.3	4.9	4.9
85°	0.4	0.4	0.4	1.1	1.5	2.3	3.4	3.4	3.4
87.5°	0.0	0.4	0.8	1.5	1.9	1.9	2.3	1.9	1.9
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)