

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: P799236

Luminaire Tested: **LD6C08D010 EU6089027 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: P799236
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 EU6089027 6LBMDDWWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

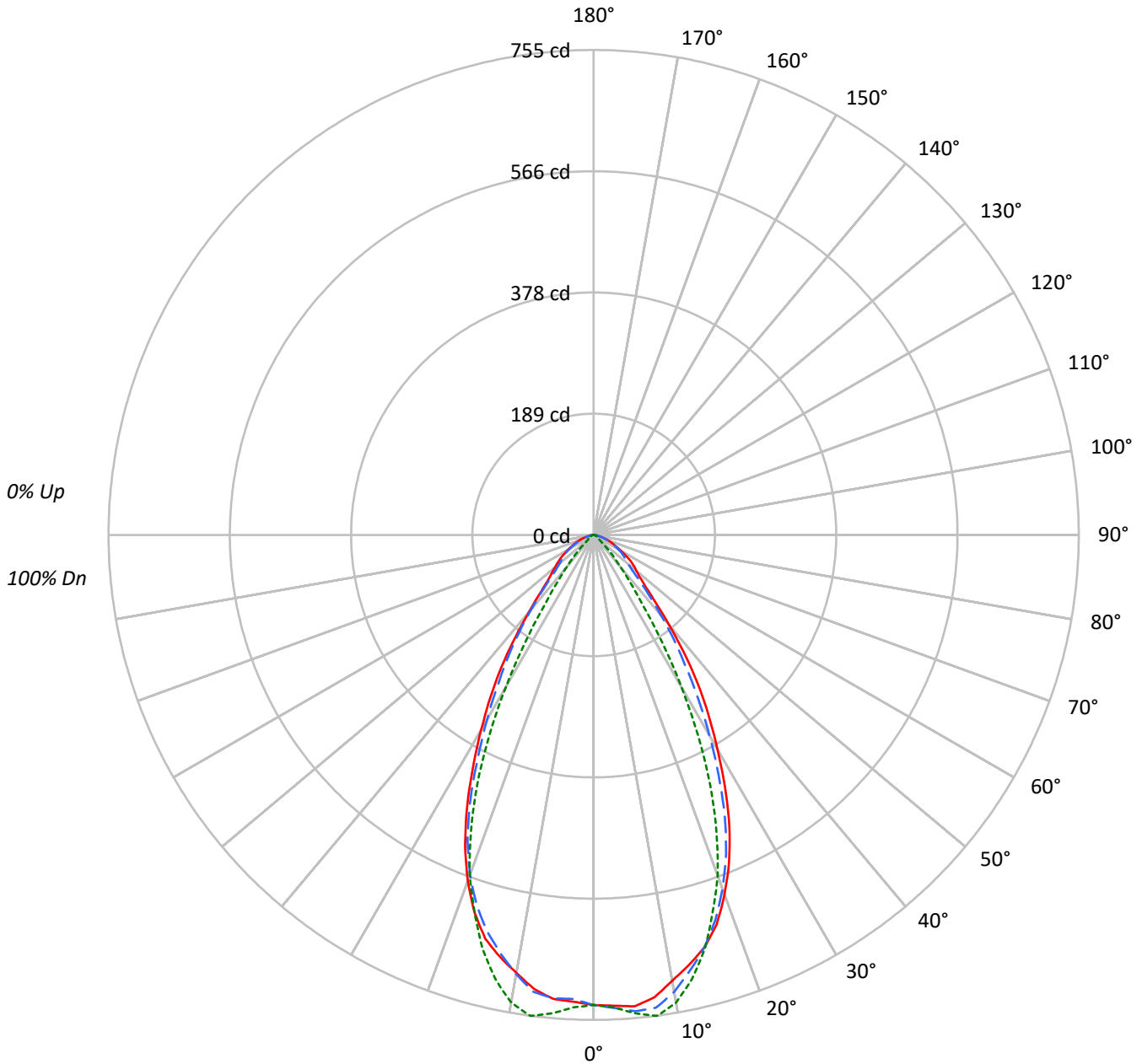
Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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			
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°	40117	40117	40117
5°	40535	41151	39902
10°	39222	41148	38537
15°	37753	37900	36947
20°	34746	32920	33440
25°	30238	25961	28163
30°	24383	17249	22124
35°	18906	8894	16617
40°	12974	4609	11185
45°	8885	2310	7846
50°	7394	981	6729
55°	6652	851	6012
60°	5263	811	5022
65°	4345	726	4294
70°	3526	657	3526
75°	2605	699	2754
80°	1515	600	1642
85°	1195	692	1195



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	9.4
10°-20°	182.8	24.5
20°-30°	208.7	28.0
30°-40°	138.4	18.6
40°-50°	66.8	9.0
50°-60°	41.1	5.5
60°-70°	24.8	3.3
70°-80°	10.5	1.4
80°-90°	2.3	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°	461.2	61.9
0°-40°	599.6	80.5
0°-60°	707.4	95.0
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	732	732	732	732	732	
5°	737	744	748	724	725	69
15°	665	665	668	640	651	185
25°	500	483	429	454	466	227
35°	282	249	133	232	248	175
45°	115	100	30	94	101	93
55°	70	57	9	57	63	61
65°	34	32	6	30	33	34
75°	12	12	3	12	13	13
85°	2	3	1	2	2	2
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°	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8	731.8
2.5°	733.6	734.8	737.0	737.4	736.3	729.2	723.2	725.5	727.3
5°	736.6	738.9	744.4	749.7	747.8	735.9	724.0	723.6	725.1
7.5°	725.8	731.0	742.6	755.6	755.2	734.8	717.3	712.8	712.8
10°	704.6	709.5	722.1	739.6	739.2	713.5	694.2	692.0	692.3
12.5°	685.6	687.9	694.2	708.0	708.0	682.7	667.8	670.0	673.0
15°	665.2	666.6	665.2	669.6	667.8	646.9	639.5	646.5	651.0
17.5°	636.1	636.9	629.1	623.1	616.0	603.0	604.9	615.3	616.4
20°	595.6	600.4	586.2	571.0	564.3	552.0	562.4	574.0	573.2
22.5°	550.9	556.5	538.2	512.9	499.1	494.3	512.9	523.3	523.0
25°	499.9	504.0	483.1	447.8	429.2	428.4	454.1	464.9	465.6
27.5°	442.6	444.1	420.6	374.5	351.4	357.0	389.3	404.2	406.1
30°	385.2	384.5	360.3	303.0	272.5	287.7	331.3	347.7	349.5
32.5°	332.8	330.5	303.0	234.5	198.0	220.7	278.0	295.2	298.1
35°	282.5	278.8	249.0	173.5	132.9	166.8	232.3	247.2	248.3
37.5°	230.0	228.2	204.7	129.9	92.7	126.6	189.5	200.3	199.1
40°	181.3	181.3	161.9	96.4	64.4	94.2	150.0	159.7	156.3
42.5°	142.2	144.0	127.7	71.1	45.8	70.0	118.7	127.7	123.9
45°	114.6	114.6	100.5	52.9	29.8	52.1	93.8	102.0	101.2
47.5°	97.1	95.7	81.5	38.7	16.4	39.1	78.9	89.0	88.6
50°	86.7	84.5	70.0	30.5	11.5	32.4	69.2	78.5	78.9
52.5°	78.5	75.2	62.9	27.2	10.0	28.3	62.9	70.3	70.3
55°	69.6	67.7	56.6	24.2	8.9	25.3	56.6	63.3	62.9
57.5°	58.8	58.4	50.6	22.0	8.2	22.3	50.6	54.7	53.2
60°	48.0	49.5	43.9	19.7	7.4	20.1	43.2	46.5	45.8
62.5°	40.2	42.1	38.3	17.5	6.3	17.9	36.5	39.8	39.1
65°	33.5	35.0	32.0	14.9	5.6	14.9	30.1	33.1	33.1
67.5°	27.5	28.7	26.4	12.3	4.8	12.3	24.6	27.2	27.5
70°	22.0	22.7	20.8	9.7	4.1	10.0	19.4	22.0	22.0
72.5°	17.1	17.5	16.4	7.8	3.7	7.8	14.9	17.1	17.1
75°	12.3	13.0	12.3	6.0	3.3	6.0	11.5	12.7	13.0
77.5°	7.1	8.9	8.9	4.8	2.6	4.5	8.2	8.6	8.6
80°	4.8	5.6	6.3	3.3	1.9	3.3	5.2	5.6	5.2
82.5°	3.3	3.7	3.7	2.2	1.5	2.2	3.3	3.7	3.3
85°	1.9	2.6	2.6	1.9	1.1	1.5	1.9	2.2	1.9
87.5°	1.1	1.5	1.9	1.5	1.1	1.1	1.1	1.1	0.7
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)