

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: P799271

Luminaire Tested: **LD6C08D010 EU6089040 6LBMDDWMW**

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: P799271
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 6LBMDDWMW
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

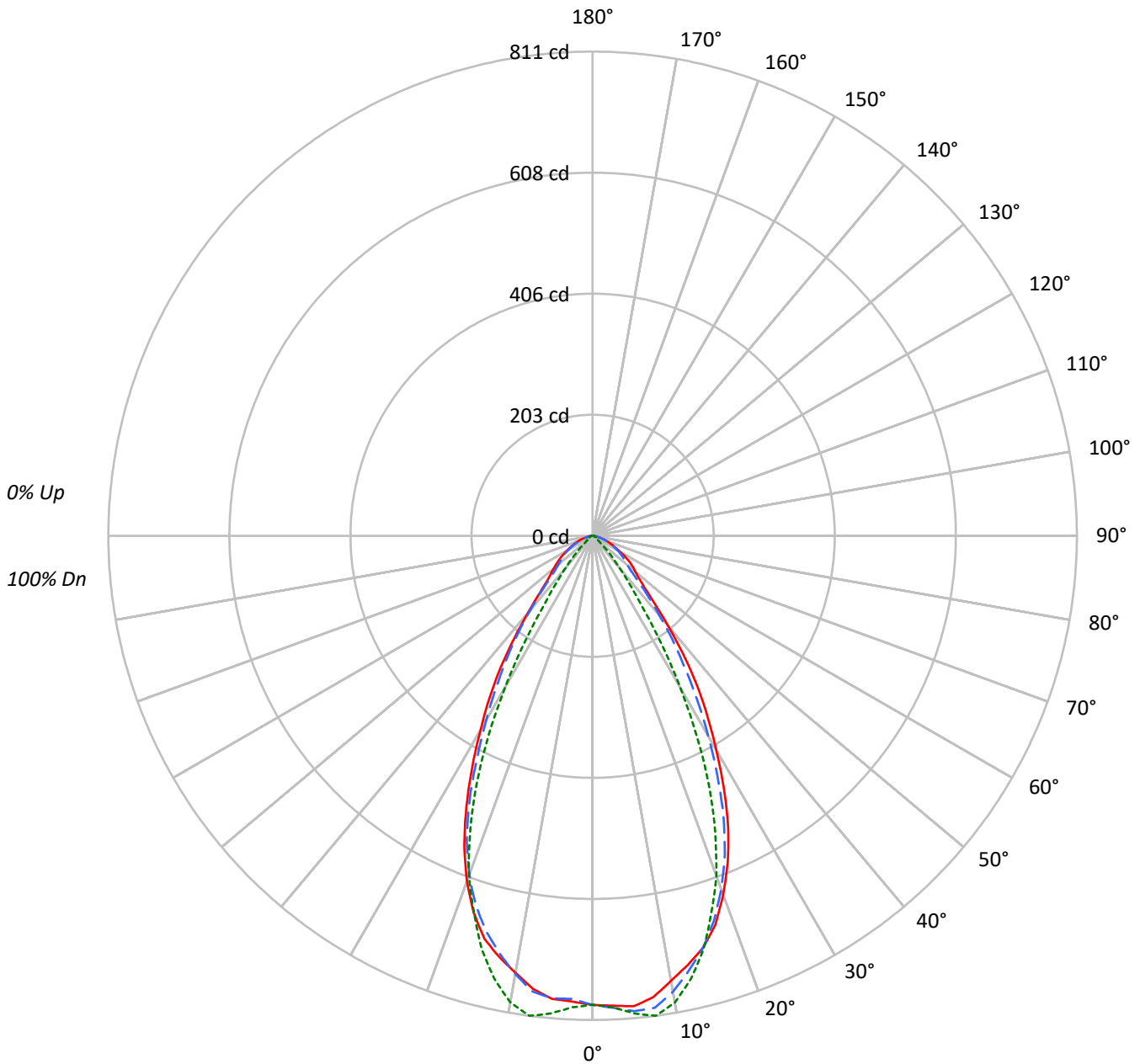
Lumens per Lamp: N/A
Luminaire Lumens: 800.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	43078	43078	43078
5°	43528	44189	42846
10°	42117	44188	41382
15°	40539	40698	39677
20°	37307	35347	35907
25°	32470	27879	30244
30°	26188	18522	23757
35°	20304	9550	17842
40°	13933	4945	12015
45°	9544	2481	8427
50°	7940	1058	7224
55°	7140	918	6451
60°	5657	877	5394
65°	4670	778	4618
70°	3783	705	3783
75°	2796	763	2965
80°	1642	631	1768
85°	1258	755	1258



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	9.3
10°-20°	196.3	24.5
20°-30°	224.1	28.0
30°-40°	148.6	18.6
40°-50°	71.7	9.0
50°-60°	44.1	5.5
60°-70°	26.7	3.3
70°-80°	11.2	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°	495.2	61.9
0°-40°	643.8	80.5
0°-60°	759.6	94.9
0°-90°	800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	786	786	786	786	786	
5°	791	799	803	777	779	74
15°	714	714	717	687	699	199
25°	537	519	461	488	500	243
35°	303	267	143	249	267	188
45°	123	108	32	101	109	100
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8	785.8
2.5°	787.8	789.0	791.4	791.8	790.6	783.0	776.6	779.0	781.0
5°	791.0	793.4	799.4	805.0	803.0	790.2	777.4	777.0	778.6
7.5°	779.4	785.0	797.4	811.4	811.0	789.0	770.2	765.4	765.4
10°	756.6	761.8	775.4	794.2	793.8	766.2	745.4	743.0	743.4
12.5°	736.2	738.6	745.4	760.2	760.2	733.1	717.1	719.5	722.7
15°	714.3	715.9	714.3	719.1	717.1	694.7	686.7	694.3	699.1
17.5°	683.1	683.9	675.5	669.1	661.5	647.5	649.5	660.7	661.9
20°	639.5	644.7	629.5	613.1	605.9	592.8	603.9	616.3	615.5
22.5°	591.6	597.6	578.0	550.8	536.0	530.8	550.8	562.0	561.6
25°	536.8	541.2	518.8	480.8	460.9	460.1	487.6	499.2	500.0
27.5°	475.2	476.8	451.7	402.1	377.3	383.3	418.1	434.1	436.1
30°	413.7	412.9	386.9	325.4	292.6	309.0	355.7	373.3	375.3
32.5°	357.3	354.9	325.4	251.8	212.6	237.0	298.6	317.0	320.2
35°	303.4	299.4	267.4	186.3	142.7	179.1	249.4	265.4	266.6
37.5°	247.0	245.0	219.8	139.5	99.5	135.9	203.4	215.0	213.8
40°	194.7	194.7	173.9	103.5	69.1	101.1	161.1	171.5	167.9
42.5°	152.7	154.7	137.1	76.3	49.2	75.1	127.5	137.1	133.1
45°	123.1	123.1	107.9	56.8	32.0	56.0	100.7	109.5	108.7
47.5°	104.3	102.7	87.5	41.6	17.6	42.0	84.7	95.5	95.1
50°	93.1	90.7	75.1	32.8	12.4	34.8	74.3	84.3	84.7
52.5°	84.3	80.7	67.5	29.2	10.8	30.4	67.5	75.5	75.5
55°	74.7	72.7	60.8	26.0	9.6	27.2	60.8	67.9	67.5
57.5°	63.2	62.8	54.4	23.6	8.8	24.0	54.4	58.8	57.2
60°	51.6	53.2	47.2	21.2	8.0	21.6	46.4	50.0	49.2
62.5°	43.2	45.2	41.2	18.8	6.8	19.2	39.2	42.8	42.0
65°	36.0	37.6	34.4	16.0	6.0	16.0	32.4	35.6	35.6
67.5°	29.6	30.8	28.4	13.2	5.2	13.2	26.4	29.2	29.6
70°	23.6	24.4	22.4	10.4	4.4	10.8	20.8	23.6	23.6
72.5°	18.4	18.8	17.6	8.4	4.0	8.4	16.0	18.4	18.4
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)