

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: P799333

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDDWWMH**

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: P799333
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: LD6C10D010 EU6109040 6LBMDDWWMH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

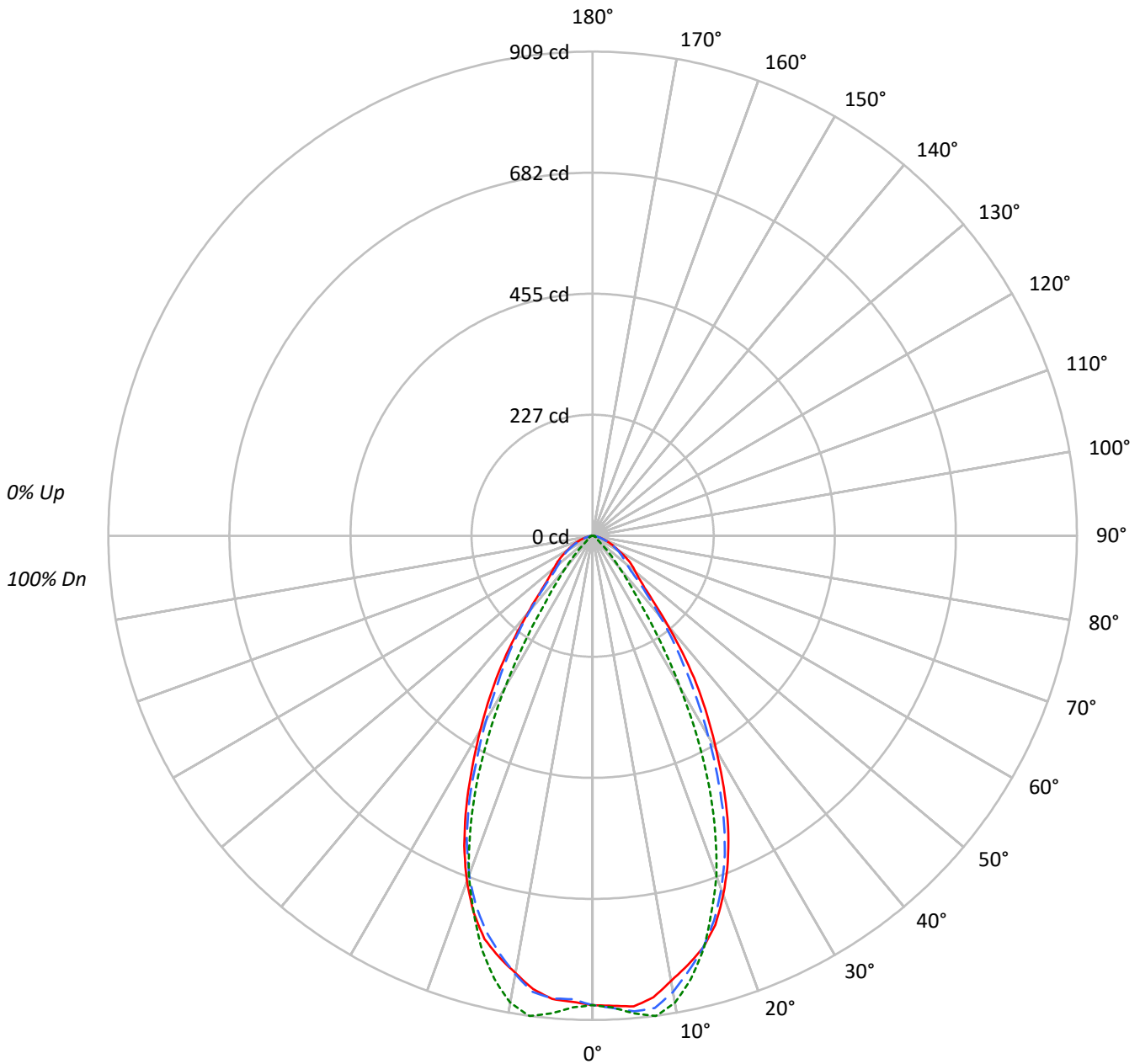
Lumens per Lamp: N/A
Luminaire Lumens: 897.0 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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°	48302	48302	48302
5°	48806	49549	48041
10°	47227	49548	46403
15°	45454	45630	44484
20°	41834	39635	40265
25°	36407	31254	33915
30°	29359	20769	26637
35°	22767	10708	20003
40°	15622	5546	13468
45°	10699	2783	9451
50°	8904	1185	8102
55°	8009	1032	7235
60°	6337	987	6041
65°	5228	869	5176
70°	4231	785	4231
75°	3135	847	3325
80°	1831	695	1989
85°	1384	818	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	9.4
10°-20°	220.1	24.5
20°-30°	251.3	28.0
30°-40°	166.6	18.6
40°-50°	80.4	9.0
50°-60°	49.4	5.5
60°-70°	29.9	3.3
70°-80°	12.6	1.4
80°-90°	2.8	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°	555.3	61.9
0°-40°	721.9	80.5
0°-60°	851.7	95.0
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	881	881	881	881	881	
5°	887	896	900	872	873	83
15°	801	801	804	770	784	223
25°	602	582	517	547	561	273
35°	340	300	160	280	299	210
45°	138	121	36	113	122	113
55°	84	68	11	68	76	74
65°	40	38	7	36	40	41
75°	15	15	4	14	16	16
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°	881.1	881.1	881.1	881.1	881.1	881.1	881.1	881.1	881.1
2.5°	883.3	884.7	887.4	887.8	886.5	878.0	870.8	873.5	875.7
5°	886.9	889.6	896.3	902.6	900.4	886.0	871.7	871.2	873.0
7.5°	873.9	880.2	894.1	909.8	909.3	884.7	863.6	858.2	858.2
10°	848.4	854.2	869.4	890.5	890.1	859.1	835.8	833.1	833.6
12.5°	825.5	828.2	835.8	852.4	852.4	821.9	804.0	806.7	810.3
15°	800.9	802.7	800.9	806.2	804.0	778.9	769.9	778.5	783.8
17.5°	765.9	766.8	757.4	750.2	741.7	726.0	728.3	740.8	742.2
20°	717.1	722.9	705.9	687.5	679.4	664.6	677.2	691.1	690.2
22.5°	663.3	670.0	648.0	617.6	601.0	595.2	617.6	630.1	629.7
25°	601.9	606.8	581.7	539.1	516.7	515.8	546.8	559.8	560.7
27.5°	532.9	534.7	506.4	450.9	423.1	429.8	468.8	486.7	488.9
30°	463.8	463.0	433.8	364.8	328.1	346.4	398.9	418.6	420.8
32.5°	400.7	398.0	364.8	282.3	238.4	265.8	334.8	355.4	359.0
35°	340.2	335.7	299.8	208.8	160.0	200.8	279.7	297.6	298.9
37.5°	277.0	274.7	246.5	156.4	111.6	152.4	228.1	241.1	239.8
40°	218.3	218.3	195.0	116.1	77.5	113.4	180.6	192.3	188.2
42.5°	171.2	173.4	153.7	85.6	55.1	84.3	143.0	153.7	149.2
45°	138.0	138.0	121.0	63.6	35.9	62.7	112.9	122.8	121.9
47.5°	117.0	115.2	98.1	46.6	19.7	47.1	95.0	107.1	106.7
50°	104.4	101.7	84.3	36.7	13.9	39.0	83.4	94.6	95.0
52.5°	94.6	90.5	75.7	32.7	12.1	34.1	75.7	84.7	84.7
55°	83.8	81.6	68.1	29.1	10.8	30.5	68.1	76.2	75.7
57.5°	70.8	70.4	61.0	26.4	9.9	26.9	61.0	65.9	64.1
60°	57.8	59.6	52.9	23.8	9.0	24.2	52.0	56.0	55.1
62.5°	48.4	50.6	46.2	21.1	7.6	21.5	43.9	48.0	47.1
65°	40.3	42.1	38.5	17.9	6.7	17.9	36.3	39.9	39.9
67.5°	33.2	34.5	31.8	14.8	5.8	14.8	29.6	32.7	33.2
70°	26.4	27.3	25.1	11.7	4.9	12.1	23.3	26.4	26.4
72.5°	20.6	21.1	19.7	9.4	4.5	9.4	17.9	20.6	20.6
75°	14.8	15.7	14.8	7.2	4.0	7.2	13.9	15.2	15.7
77.5°	8.5	10.8	10.8	5.8	3.1	5.4	9.9	10.3	10.3
80°	5.8	6.7	7.6	4.0	2.2	4.0	6.3	6.7	6.3
82.5°	4.0	4.5	4.5	2.7	1.8	2.7	4.0	4.5	4.0
85°	2.2	3.1	3.1	2.2	1.3	1.8	2.2	2.7	2.2
87.5°	1.3	1.8	2.2	1.8	1.3	1.3	1.3	1.3	0.9
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)