

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: P799307

Luminaire Tested: **LD6C10D010 EU6109030 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: P799307
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 EU6109030 6LBMDDWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

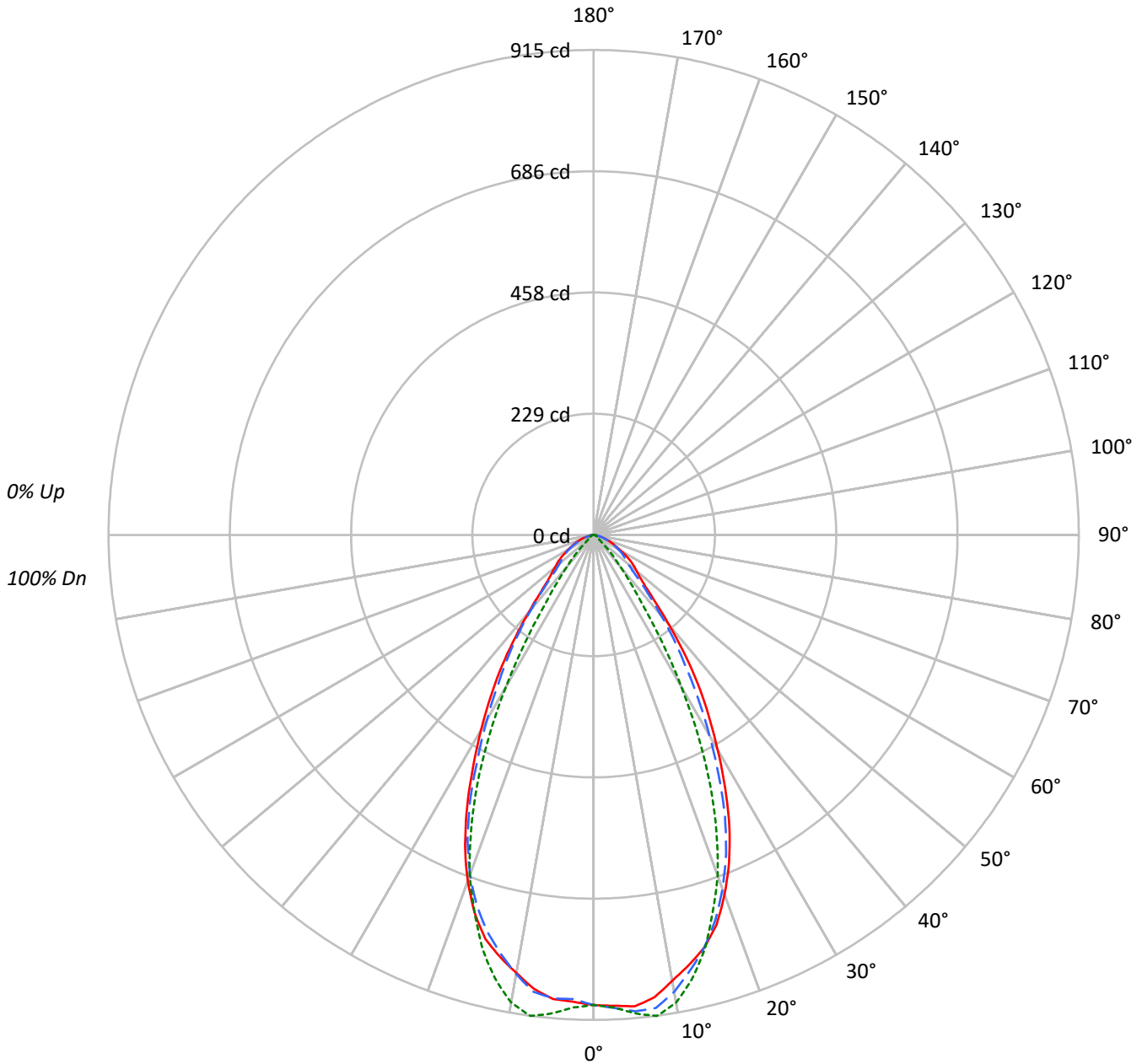
Lumens per Lamp: N/A
Luminaire Lumens: 903.0 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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

TEST NUMBER: P799307

CATALOG NUMBER: LD6C10D010 EU6109030 6LBMDDWMW

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			100
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48625	48625	48625
5°	49130	49879	48365
10°	47539	49877	46715
15°	45755	45937	44785
20°	42114	39903	40534
25°	36649	31466	34139
30°	29562	20908	26814
35°	22914	10781	20137
40°	15722	5589	13561
45°	10776	2799	9513
50°	8963	1194	8153
55°	8067	1032	7283
60°	6381	987	6085
65°	5266	882	5215
70°	4264	801	4264
75°	3156	868	3347
80°	1863	726	1989
85°	1447	881	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.4	9.3
10°-20°	221.6	24.5
20°-30°	253.0	28.0
30°-40°	167.7	18.6
40°-50°	80.9	9.0
50°-60°	49.8	5.5
60°-70°	30.1	3.3
70°-80°	12.7	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°	559.0	61.9
0°-40°	726.7	80.5
0°-60°	857.4	94.9
0°-90°	903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	887	887	887	887	887	
5°	893	902	906	878	879	84
15°	806	806	809	775	789	225
25°	606	586	520	550	564	275
35°	342	302	161	282	301	212
45°	139	122	36	114	123	113
55°	84	69	11	69	76	74
65°	41	39	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°	887.0	887.0	887.0	887.0	887.0	887.0	887.0	887.0	887.0
2.5°	889.2	890.6	893.3	893.8	892.4	883.8	876.6	879.3	881.6
5°	892.8	895.6	902.3	908.6	906.4	891.9	877.5	877.1	878.9
7.5°	879.8	886.1	900.1	915.9	915.4	890.6	869.4	864.0	864.0
10°	854.0	859.9	875.3	896.5	896.0	864.9	841.4	838.7	839.2
12.5°	831.0	833.7	841.4	858.1	858.1	827.4	809.4	812.1	815.7
15°	806.2	808.0	806.2	811.6	809.4	784.1	775.1	783.7	789.1
17.5°	771.0	771.9	762.5	755.2	746.7	730.9	733.1	745.8	747.1
20°	721.9	727.7	710.6	692.1	684.0	669.1	681.7	695.7	694.8
22.5°	667.7	674.5	652.4	621.7	605.0	599.1	621.7	634.3	633.9
25°	605.9	610.9	585.6	542.7	520.2	519.3	550.4	563.5	564.4
27.5°	536.4	538.2	509.8	453.9	425.9	432.7	471.9	490.0	492.2
30°	467.0	466.1	436.7	367.2	330.3	348.7	401.5	421.4	423.6
32.5°	403.3	400.6	367.2	284.2	240.0	267.5	337.0	357.8	361.4
35°	342.4	337.9	301.8	210.2	161.1	202.1	281.5	299.6	300.9
37.5°	278.8	276.6	248.1	157.5	112.3	153.4	229.6	242.7	241.4
40°	219.7	219.7	196.3	116.9	78.1	114.1	181.8	193.5	189.5
42.5°	172.3	174.6	154.7	86.2	55.5	84.8	143.9	154.7	150.2
45°	139.0	139.0	121.8	64.1	36.1	63.2	113.7	123.6	122.7
47.5°	117.8	115.9	98.8	46.9	19.9	47.4	95.6	107.8	107.4
50°	105.1	102.4	84.8	37.0	14.0	39.3	83.9	95.2	95.6
52.5°	95.2	91.1	76.2	32.9	12.2	34.3	76.2	85.3	85.3
55°	84.4	82.1	68.6	29.3	10.8	30.7	68.6	76.7	76.2
57.5°	71.3	70.8	61.4	26.6	9.9	27.1	61.4	66.3	64.5
60°	58.2	60.0	53.2	23.9	9.0	24.4	52.3	56.4	55.5
62.5°	48.7	51.0	46.5	21.2	7.7	21.7	44.2	48.3	47.4
65°	40.6	42.4	38.8	18.0	6.8	18.0	36.5	40.2	40.2
67.5°	33.4	34.7	32.0	14.9	5.9	14.9	29.8	32.9	33.4
70°	26.6	27.5	25.3	11.7	5.0	12.2	23.5	26.6	26.6
72.5°	20.8	21.2	19.9	9.5	4.5	9.5	18.0	20.8	20.8
75°	14.9	15.8	14.9	7.2	4.1	7.2	14.0	15.3	15.8
77.5°	8.6	10.8	10.8	5.9	3.2	5.4	9.9	10.4	10.4
80°	5.9	6.8	7.7	4.1	2.3	4.1	6.3	6.8	6.3
82.5°	4.1	4.5	4.5	2.7	1.8	2.7	4.1	4.5	4.1
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.7	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	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)