

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: P799308

Luminaire Tested: **LD6C10D010 EU6109030 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: P799308
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 6LBMDDWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

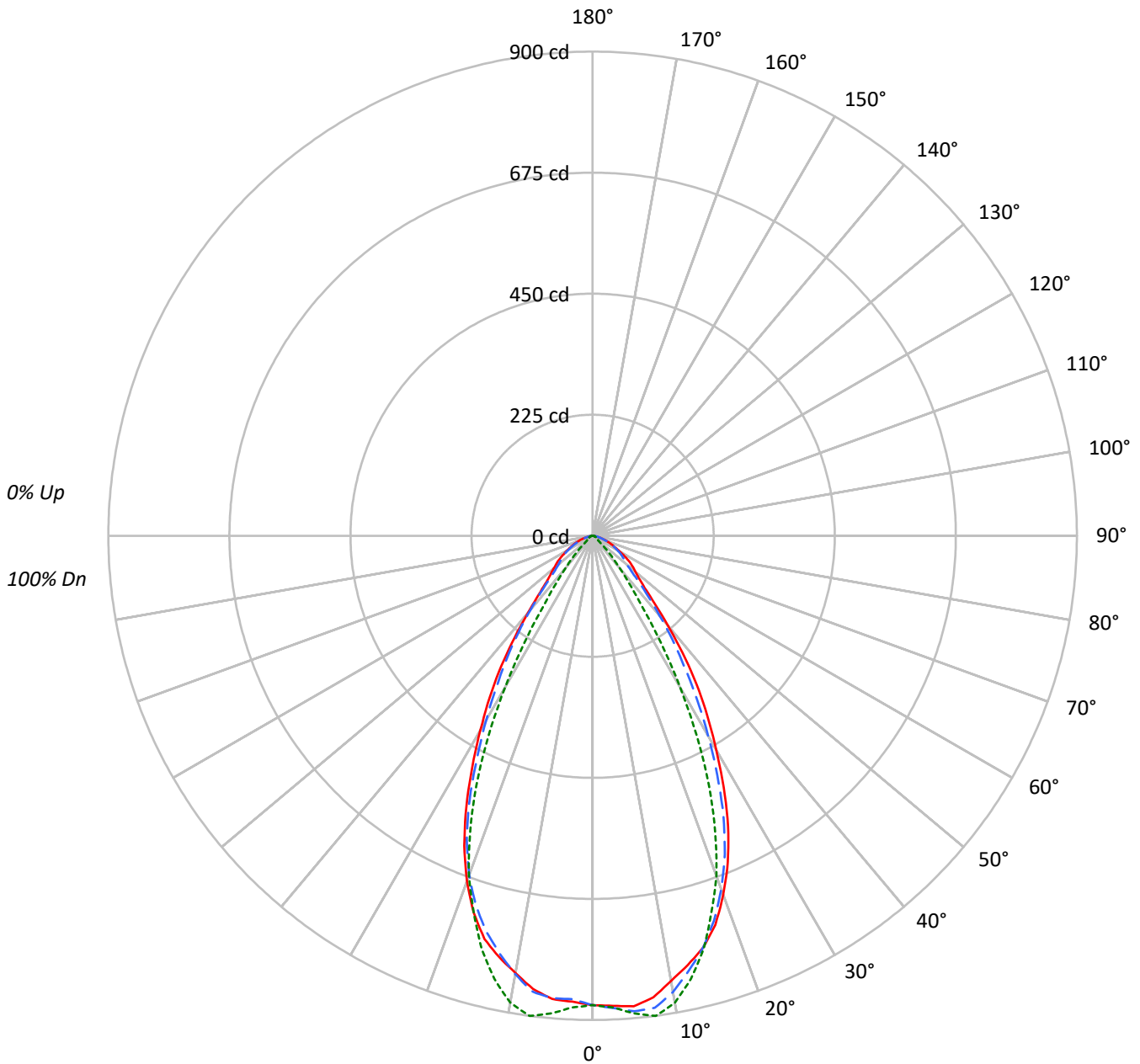
Lumens per Lamp: N/A
Luminaire Lumens: 888.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	47820	47820	47820
5°	48316	49048	47562
10°	46754	49047	45935
15°	44995	45171	44041
20°	41414	39238	39857
25°	36038	30939	33570
30°	29068	20560	26371
35°	22533	10601	19803
40°	15465	5496	13332
45°	10590	2752	9358
50°	8818	1177	8025
55°	7933	1013	7168
60°	6271	976	5986
65°	5176	869	5124
70°	4199	785	4199
75°	3092	847	3283
80°	1831	695	1957
85°	1384	818	1384



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	9.4
10°-20°	217.9	24.5
20°-30°	248.7	28.0
30°-40°	165.0	18.6
40°-50°	79.6	9.0
50°-60°	48.9	5.5
60°-70°	29.6	3.3
70°-80°	12.5	1.4
80°-90°	2.7	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°	549.7	61.9
0°-40°	714.7	80.5
0°-60°	843.2	95.0
0°-90°	888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	888.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	872	872	872	872	872	
5°	878	887	891	863	864	82
15°	793	793	796	762	776	221
25°	596	576	512	541	555	270
35°	337	297	158	277	296	208
45°	137	120	36	112	121	111
55°	83	67	11	67	75	73
65°	40	38	7	36	40	40
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°	872.3	872.3	872.3	872.3	872.3	872.3	872.3	872.3	872.3
2.5°	874.5	875.8	878.5	878.9	877.6	869.1	862.0	864.7	866.9
5°	878.0	880.7	887.3	893.5	891.3	877.1	862.9	862.5	864.3
7.5°	865.2	871.4	885.1	900.6	900.2	875.8	854.9	849.6	849.6
10°	839.9	845.6	860.7	881.6	881.1	850.5	827.4	824.8	825.2
12.5°	817.2	819.9	827.4	843.9	843.9	813.7	795.9	798.6	802.2
15°	792.8	794.6	792.8	798.2	795.9	771.1	762.2	770.7	776.0
17.5°	758.2	759.1	749.8	742.7	734.3	718.7	721.0	733.4	734.7
20°	709.9	715.6	698.8	680.6	672.6	658.0	670.4	684.1	683.2
22.5°	656.6	663.3	641.5	611.4	595.0	589.2	611.4	623.8	623.4
25°	595.8	600.7	575.9	533.7	511.5	510.7	541.3	554.1	555.0
27.5°	527.5	529.3	501.3	446.3	418.8	425.5	464.1	481.8	484.0
30°	459.2	458.3	429.5	361.1	324.8	343.0	394.9	414.4	416.6
32.5°	396.6	394.0	361.1	279.5	236.0	263.1	331.4	351.8	355.4
35°	336.7	332.3	296.8	206.7	158.4	198.8	276.8	294.6	295.9
37.5°	274.2	272.0	244.0	154.8	110.5	150.8	225.8	238.7	237.4
40°	216.1	216.1	193.0	114.9	76.8	112.2	178.8	190.3	186.3
42.5°	169.5	171.7	152.2	84.7	54.6	83.4	141.5	152.2	147.7
45°	136.6	136.6	119.8	63.0	35.5	62.1	111.8	121.6	120.7
47.5°	115.8	114.0	97.2	46.1	19.5	46.6	94.1	106.0	105.6
50°	103.4	100.7	83.4	36.4	13.8	38.6	82.5	93.6	94.1
52.5°	93.6	89.6	75.0	32.4	12.0	33.7	75.0	83.9	83.9
55°	83.0	80.7	67.4	28.8	10.6	30.2	67.4	75.4	75.0
57.5°	70.1	69.7	60.3	26.2	9.8	26.6	60.3	65.2	63.4
60°	57.2	59.0	52.4	23.5	8.9	24.0	51.5	55.5	54.6
62.5°	47.9	50.1	45.7	20.9	7.5	21.3	43.5	47.5	46.6
65°	39.9	41.7	38.2	17.7	6.7	17.7	35.9	39.5	39.5
67.5°	32.8	34.2	31.5	14.6	5.8	14.6	29.3	32.4	32.8
70°	26.2	27.1	24.8	11.5	4.9	12.0	23.1	26.2	26.2
72.5°	20.4	20.9	19.5	9.3	4.4	9.3	17.7	20.4	20.4
75°	14.6	15.5	14.6	7.1	4.0	7.1	13.8	15.1	15.5
77.5°	8.4	10.6	10.6	5.8	3.1	5.3	9.8	10.2	10.2
80°	5.8	6.7	7.5	4.0	2.2	4.0	6.2	6.7	6.2
82.5°	4.0	4.4	4.4	2.7	1.8	2.7	4.0	4.4	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)