

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: P799318

Luminaire Tested: **LD6C10D010 EU6109035 6LBMDDWLI**

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: P799318
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 EU6109035 6LBMDDWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

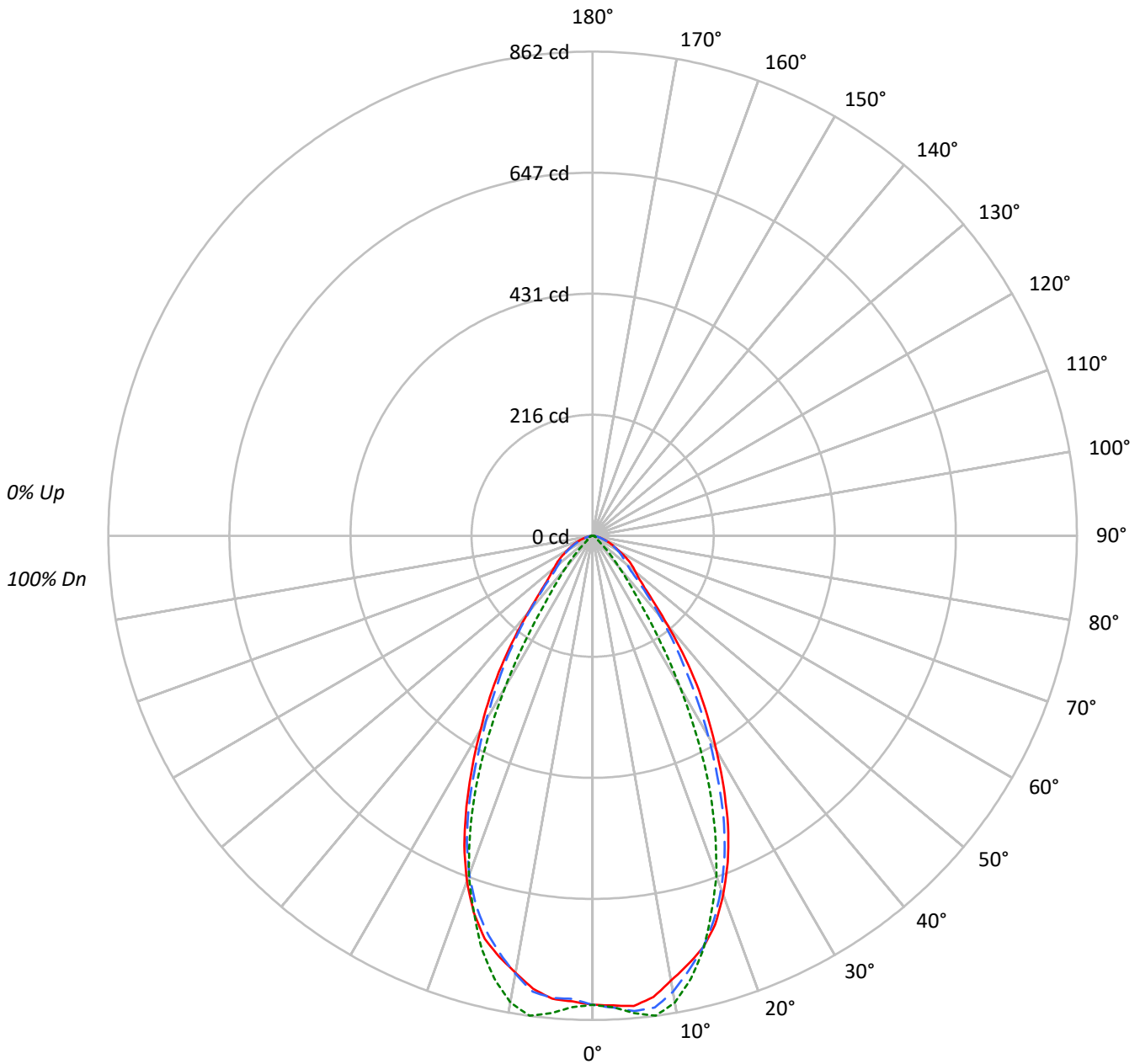
Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (A_{in}): 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°	45769	45769	45769
5°	46247	46951	45526
10°	44750	46949	43970
15°	43071	43241	42157
20°	39641	37558	38153
25°	34496	29621	32137
30°	27821	19680	25244
35°	21569	10146	18959
40°	14799	5260	12767
45°	10141	2636	8954
50°	8443	1126	7676
55°	7589	975	6862
60°	6008	932	5723
65°	4955	830	4903
70°	4023	753	4023
75°	2965	805	3156
80°	1736	663	1863
85°	1321	818	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	9.4
10°-20°	208.6	24.5
20°-30°	238.1	28.0
30°-40°	157.9	18.6
40°-50°	76.2	9.0
50°-60°	46.9	5.5
60°-70°	28.3	3.3
70°-80°	11.9	1.4
80°-90°	2.6	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°	526.2	61.9
0°-40°	684.1	80.5
0°-60°	807.1	95.0
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	835	835	835	835	835	
5°	840	849	853	826	827	79
15°	759	759	762	730	743	211
25°	570	551	490	518	531	259
35°	322	284	152	265	283	199
45°	131	115	34	107	116	107
55°	79	65	10	65	72	70
65°	38	36	6	34	38	38
75°	14	14	4	13	15	15
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°	834.9	834.9	834.9	834.9	834.9	834.9	834.9	834.9	834.9
2.5°	837.0	838.3	840.9	841.3	840.0	832.0	825.2	827.7	829.8
5°	840.4	843.0	849.4	855.3	853.2	839.6	826.0	825.6	827.3
7.5°	828.1	834.1	847.2	862.1	861.7	838.3	818.4	813.3	813.3
10°	803.9	809.4	823.9	843.8	843.4	814.1	792.0	789.5	789.9
12.5°	782.3	784.8	792.0	807.7	807.7	778.9	761.9	764.4	767.8
15°	758.9	760.6	758.9	764.0	761.9	738.1	729.6	737.7	742.8
17.5°	725.8	726.6	717.7	710.9	702.8	688.0	690.1	702.0	703.3
20°	679.5	685.0	668.9	651.5	643.8	629.8	641.7	654.9	654.0
22.5°	628.5	634.9	614.1	585.2	569.5	564.0	585.2	597.1	596.7
25°	570.3	575.0	551.2	510.9	489.7	488.8	518.1	530.4	531.3
27.5°	504.9	506.6	479.9	427.2	400.9	407.3	444.2	461.2	463.3
30°	439.5	438.7	411.1	345.7	310.9	328.3	378.0	396.7	398.8
32.5°	379.7	377.1	345.7	267.5	225.9	251.8	317.2	336.8	340.2
35°	322.3	318.1	284.1	197.9	151.6	190.3	265.0	282.0	283.3
37.5°	262.5	260.3	233.6	148.2	105.7	144.4	216.2	228.5	227.2
40°	206.8	206.8	184.7	110.0	73.5	107.4	171.1	182.2	178.4
42.5°	162.2	164.4	145.7	81.1	52.2	79.8	135.5	145.7	141.4
45°	130.8	130.8	114.7	60.3	34.0	59.5	107.0	116.4	115.5
47.5°	110.8	109.1	93.0	44.2	18.7	44.6	90.0	101.5	101.1
50°	99.0	96.4	79.8	34.8	13.2	36.9	79.0	89.6	90.0
52.5°	89.6	85.8	71.8	31.0	11.5	32.3	71.8	80.3	80.3
55°	79.4	77.3	64.6	27.6	10.2	28.9	64.6	72.2	71.8
57.5°	67.1	66.7	57.8	25.1	9.3	25.5	57.8	62.4	60.7
60°	54.8	56.5	50.1	22.5	8.5	22.9	49.3	53.1	52.2
62.5°	45.9	48.0	43.7	20.0	7.2	20.4	41.6	45.4	44.6
65°	38.2	39.9	36.5	17.0	6.4	17.0	34.4	37.8	37.8
67.5°	31.4	32.7	30.2	14.0	5.5	14.0	28.0	31.0	31.4
70°	25.1	25.9	23.8	11.0	4.7	11.5	22.1	25.1	25.1
72.5°	19.5	20.0	18.7	8.9	4.2	8.9	17.0	19.5	19.5
75°	14.0	14.9	14.0	6.8	3.8	6.8	13.2	14.4	14.9
77.5°	8.1	10.2	10.2	5.5	3.0	5.1	9.3	9.8	9.8
80°	5.5	6.4	7.2	3.8	2.1	3.8	5.9	6.4	5.9
82.5°	3.8	4.2	4.2	2.5	1.7	2.5	3.8	4.2	3.8
85°	2.1	3.0	3.0	2.1	1.3	1.7	2.1	2.5	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	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)