

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: P799594

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799594
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: LD6C35D010 EU6359027 6LBMDDWLI
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

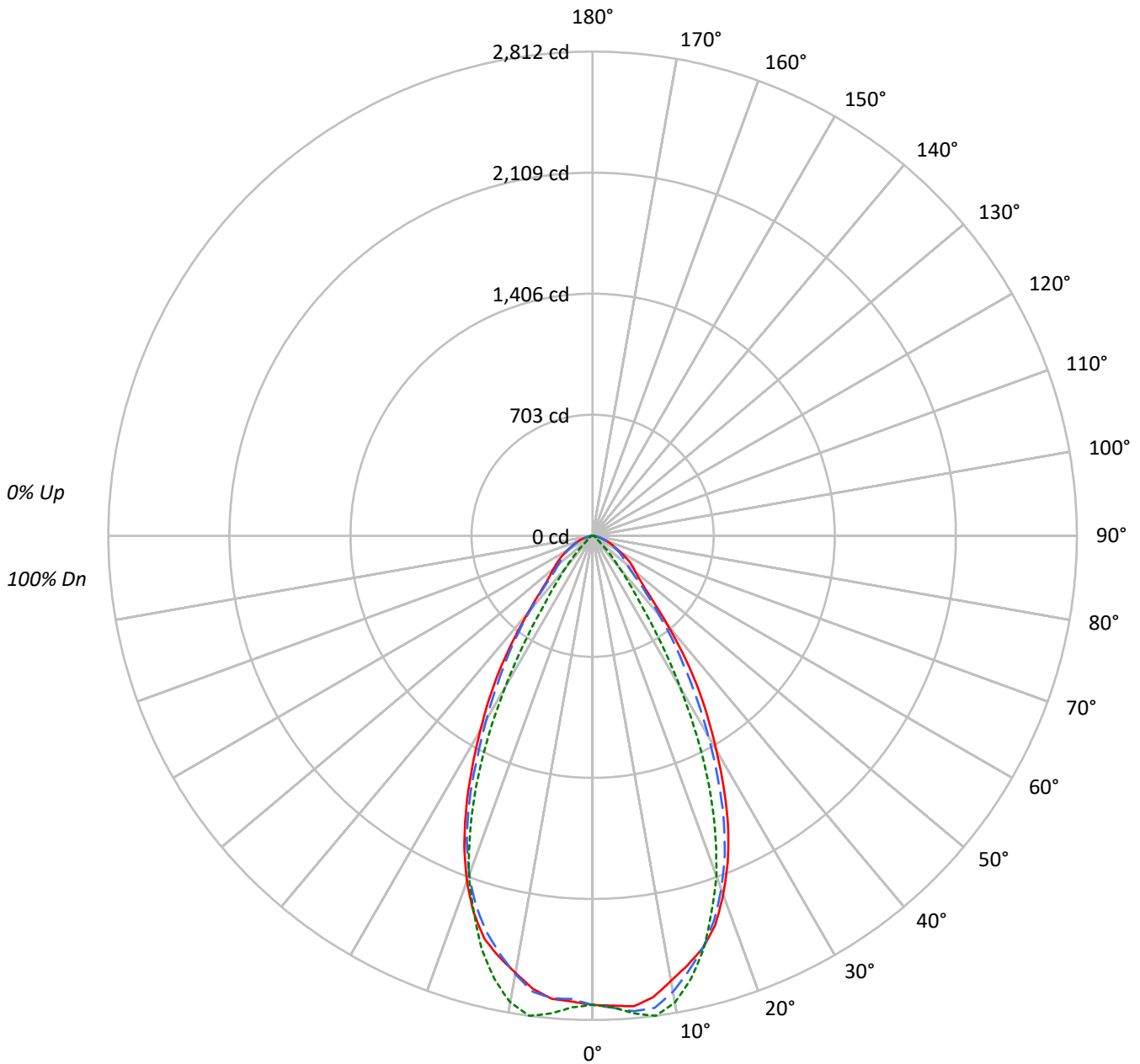
Lumens per Lamp: N/A
Luminaire Lumens: 2774.0 lumens
Efficiency: N/A
Efficacy: 68.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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°	149374	149374	149374
5°	150935	153224	148574
10°	146045	153220	143501
15°	140563	141113	137572
20°	129365	122575	124517
25°	112585	96659	104873
30°	90805	64219	82380
35°	70396	33114	61864
40°	48305	17161	41657
45°	33096	8598	29228
50°	27539	3667	25057
55°	24773	3183	22384
60°	19604	3037	18694
65°	16176	2698	16007
70°	13111	2436	13111
75°	9680	2648	10273
80°	5683	2178	6125
85°	4340	2642	4340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.4	9.4
10°-20°	680.8	24.5
20°-30°	777.1	28.0
30°-40°	515.3	18.6
40°-50°	248.5	9.0
50°-60°	152.9	5.5
60°-70°	92.5	3.3
70°-80°	38.9	1.4
80°-90°	8.6	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°	1717.2	61.9
0°-40°	2232.5	80.5
0°-60°	2634.0	95.0
0°-90°	2774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2774.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2725	2725	2725	2725	2725	
5°	2743	2772	2784	2696	2700	258
15°	2477	2477	2486	2381	2424	690
25°	1861	1799	1598	1691	1734	844
35°	1052	927	495	865	924	651
45°	427	374	111	349	377	348
55°	259	211	33	211	234	228
65°	125	119	21	112	123	125
75°	46	46	12	43	48	49
85°	7	10	4	7	7	9
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°	2724.8	2724.8	2724.8	2724.8	2724.8	2724.8	2724.8	2724.8	2724.8
2.5°	2731.7	2735.9	2744.2	2745.6	2741.4	2715.1	2692.9	2701.2	2708.2
5°	2742.8	2751.1	2771.9	2791.3	2784.4	2740.0	2695.7	2694.3	2699.9
7.5°	2702.6	2722.0	2765.0	2813.5	2812.1	2735.9	2670.7	2654.1	2654.1
10°	2623.6	2641.6	2688.8	2753.9	2752.5	2656.9	2584.8	2576.5	2577.9
12.5°	2552.9	2561.3	2584.8	2636.1	2636.1	2541.9	2486.4	2494.7	2505.8
15°	2476.7	2482.3	2476.7	2493.3	2486.4	2408.8	2381.1	2407.4	2424.0
17.5°	2368.6	2371.4	2342.3	2320.1	2293.8	2245.3	2252.2	2291.0	2295.2
20°	2217.5	2235.6	2182.9	2126.1	2101.1	2055.4	2094.2	2137.2	2134.4
22.5°	2051.2	2072.0	2004.1	1909.9	1858.6	1840.6	1909.9	1948.7	1947.3
25°	1861.3	1876.6	1799.0	1667.3	1598.0	1595.2	1690.9	1731.1	1733.8
27.5°	1647.9	1653.5	1566.1	1394.3	1308.3	1329.1	1449.7	1505.2	1512.1
30°	1434.5	1431.7	1341.6	1128.2	1014.5	1071.3	1233.5	1294.5	1301.4
32.5°	1239.0	1230.7	1128.2	873.2	737.3	821.9	1035.3	1099.1	1110.2
35°	1051.9	1038.1	927.2	645.9	494.8	620.9	864.8	920.3	924.4
37.5°	856.5	849.6	762.3	483.7	345.1	471.2	705.5	745.6	741.5
40°	675.0	675.0	602.9	359.0	239.8	350.6	558.5	594.6	582.1
42.5°	529.4	536.4	475.4	264.7	170.5	260.6	442.1	475.4	461.5
45°	426.9	426.9	374.2	196.8	110.9	194.0	349.3	379.8	377.0
47.5°	361.7	356.2	303.5	144.1	61.0	145.5	293.8	331.2	329.9
50°	322.9	314.6	260.6	113.6	43.0	120.6	257.8	292.4	293.8
52.5°	292.4	280.0	234.2	101.2	37.4	105.3	234.2	261.9	261.9
55°	259.2	252.2	210.7	90.1	33.3	94.2	210.7	235.6	234.2
57.5°	219.0	217.6	188.5	81.8	30.5	83.2	188.5	203.7	198.2
60°	178.8	184.3	163.5	73.5	27.7	74.8	160.8	173.2	170.5
62.5°	149.7	156.6	142.8	65.1	23.6	66.5	135.8	148.3	145.5
65°	124.7	130.3	119.2	55.4	20.8	55.4	112.3	123.4	123.4
67.5°	102.6	106.7	98.4	45.7	18.0	45.7	91.5	101.2	102.6
70°	81.8	84.5	77.6	36.0	15.2	37.4	72.1	81.8	81.8
72.5°	63.8	65.1	61.0	29.1	13.9	29.1	55.4	63.8	63.8
75°	45.7	48.5	45.7	22.2	12.5	22.2	43.0	47.1	48.5
77.5°	26.3	33.3	33.3	18.0	9.7	16.6	30.5	31.9	31.9
80°	18.0	20.8	23.6	12.5	6.9	12.5	19.4	20.8	19.4
82.5°	12.5	13.9	13.9	8.3	5.5	8.3	12.5	13.9	12.5
85°	6.9	9.7	9.7	6.9	4.2	5.5	6.9	8.3	6.9
87.5°	4.2	5.5	6.9	5.5	4.2	4.2	4.2	4.2	2.8
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)