

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: P799564

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDSWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30D010 EU6309035 6LBMDSWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

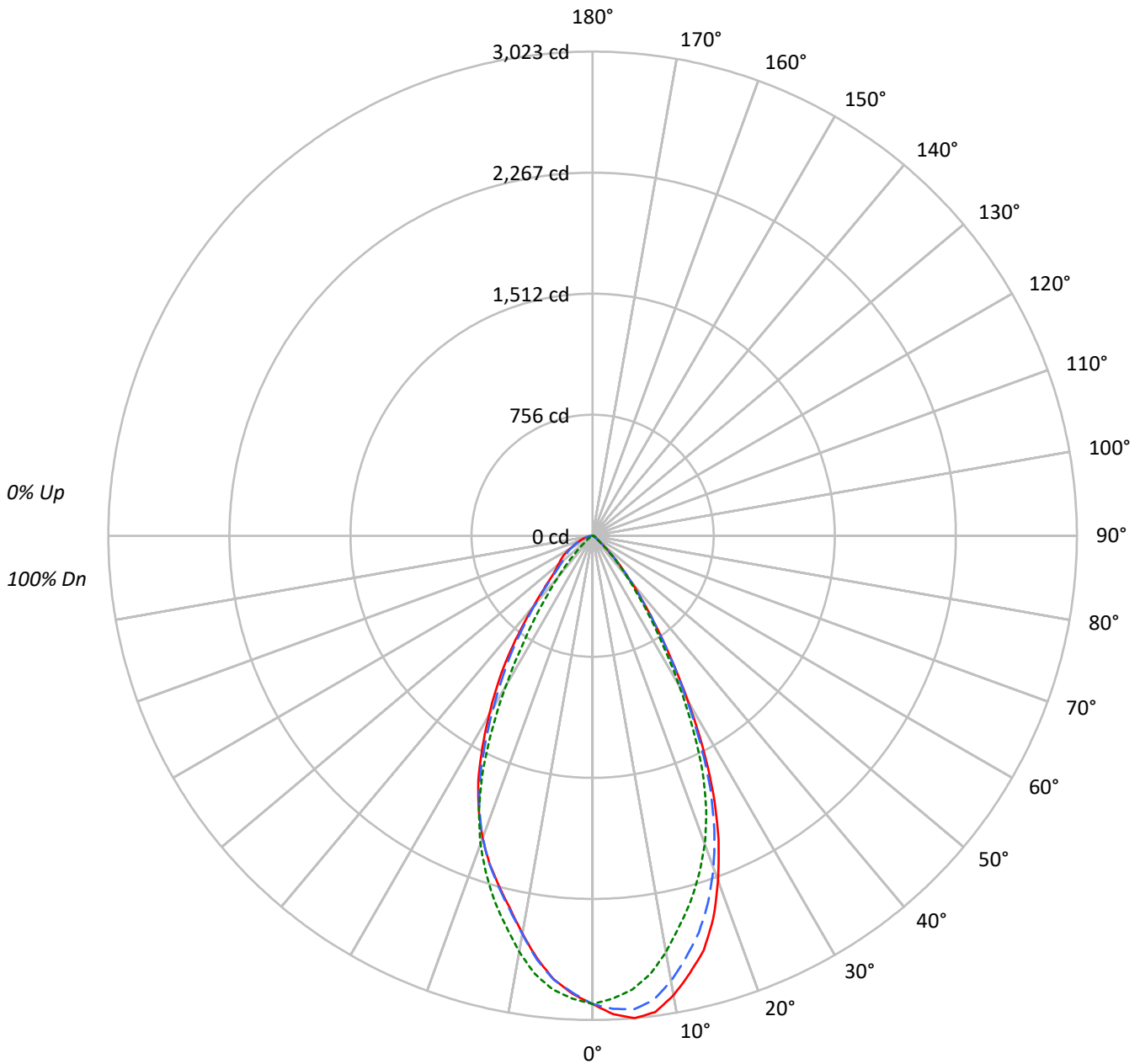
Lumens per Lamp: N/A
Luminaire Lumens: 2517.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.6
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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	160267	160267	160267
5°	166360	156504	152966
10°	162105	146802	140339
15°	152033	134138	128338
20°	133467	119413	117132
25°	107946	98104	102145
30°	75043	68340	81753
35°	46251	41867	61696
40°	26170	23465	40977
45°	12714	12125	27964
50°	4844	4844	23769
55°	2647	3135	21935
60°	1941	2489	17981
65°	1634	2127	14723
70°	1410	1827	12133
75°	1334	1864	10421
80°	789	1578	7577
85°	818	3145	7170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.6	10.6
10°-20°	672.7	26.7
20°-30°	757.2	30.1
30°-40°	468.9	18.6
40°-50°	186.7	7.4
50°-60°	85.0	3.4
60°-70°	48.9	1.9
70°-80°	23.2	0.9
80°-90°	6.8	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°	1697.5	67.4
0°-40°	2166.4	86.1
0°-60°	2438.2	96.9
0°-90°	2517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2517.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2924	2924	2924	2924	2924	
5°	3023	2968	2844	2782	2780	285
15°	2679	2563	2364	2268	2261	741
25°	1785	1737	1622	1662	1689	802
35°	691	687	626	872	922	444
45°	164	164	156	340	361	139
55°	28	26	33	202	230	28
65°	13	11	16	112	114	12
75°	6	6	9	48	49	6
85°	1	1	5	11	11	1
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°	2923.5	2923.5	2923.5	2923.5	2923.5	2923.5	2923.5	2923.5	2923.5
2.5°	2990.3	2962.6	2956.3	2932.3	2891.9	2869.2	2855.4	2845.3	2862.9
5°	3023.1	2992.8	2967.6	2918.4	2844.0	2802.4	2782.2	2765.8	2779.7
7.5°	2999.1	2956.3	2922.2	2854.1	2759.5	2695.2	2667.4	2648.5	2661.1
10°	2912.1	2860.4	2821.3	2740.6	2637.2	2560.2	2526.2	2508.5	2521.1
12.5°	2798.6	2755.7	2696.4	2608.2	2497.2	2416.5	2391.2	2377.4	2382.4
15°	2678.8	2628.3	2562.8	2474.5	2363.5	2282.8	2267.6	2258.8	2261.3
17.5°	2504.7	2455.6	2398.8	2313.0	2210.9	2145.3	2145.3	2139.0	2142.8
20°	2287.8	2261.3	2205.8	2134.0	2046.9	1987.7	2006.6	2000.3	2007.8
22.5°	2053.2	2033.1	1985.1	1925.9	1852.7	1806.0	1847.7	1846.4	1856.5
25°	1784.6	1769.5	1736.7	1686.2	1621.9	1592.9	1662.3	1662.3	1688.7
27.5°	1488.2	1473.1	1450.4	1407.5	1354.5	1345.7	1447.9	1460.5	1489.5
30°	1185.5	1175.4	1162.8	1123.7	1079.6	1096.0	1237.2	1258.7	1291.5
32.5°	915.6	909.3	905.5	870.2	831.1	885.4	1046.8	1074.5	1107.3
35°	691.1	677.3	687.4	660.9	625.6	693.7	871.5	895.5	921.9
37.5°	509.5	499.4	508.3	489.3	457.8	532.2	700.0	715.1	732.8
40°	365.7	356.9	364.5	353.1	327.9	397.3	548.6	565.0	572.6
42.5°	259.8	244.7	252.2	243.4	230.8	298.9	431.3	446.5	449.0
45°	164.0	158.9	164.0	158.9	156.4	222.0	340.5	354.4	360.7
47.5°	99.6	93.3	93.3	90.8	93.3	164.0	281.2	301.4	311.5
50°	56.8	54.2	53.0	51.7	56.8	128.6	243.4	266.1	278.7
52.5°	37.8	36.6	36.6	35.3	41.6	108.5	219.4	239.6	252.2
55°	27.7	26.5	26.5	26.5	32.8	93.3	201.8	218.2	229.5
57.5°	21.4	21.4	21.4	20.2	27.7	79.5	180.4	189.2	198.0
60°	17.7	16.4	16.4	16.4	22.7	68.1	155.1	158.9	164.0
62.5°	13.9	13.9	13.9	13.9	18.9	60.5	133.7	133.7	136.2
65°	12.6	11.4	11.4	11.4	16.4	53.0	112.2	111.0	113.5
67.5°	10.1	10.1	10.1	10.1	13.9	45.4	92.1	90.8	93.3
70°	8.8	8.8	8.8	8.8	11.4	37.8	74.4	73.1	75.7
72.5°	7.6	7.6	7.6	7.6	10.1	31.5	59.3	59.3	60.5
75°	6.3	6.3	6.3	6.3	8.8	24.0	47.9	47.9	49.2
77.5°	5.0	5.0	5.0	5.0	6.3	18.9	36.6	35.3	35.3
80°	2.5	3.8	3.8	3.8	5.0	13.9	26.5	24.0	24.0
82.5°	1.3	2.5	2.5	2.5	5.0	10.1	17.7	16.4	16.4
85°	1.3	1.3	1.3	3.8	5.0	7.6	11.4	11.4	11.4
87.5°	0.0	1.3	2.5	5.0	6.3	6.3	7.6	6.3	6.3
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)