

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: P799576

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799576
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 EU6309040 6LBMDSWLI
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

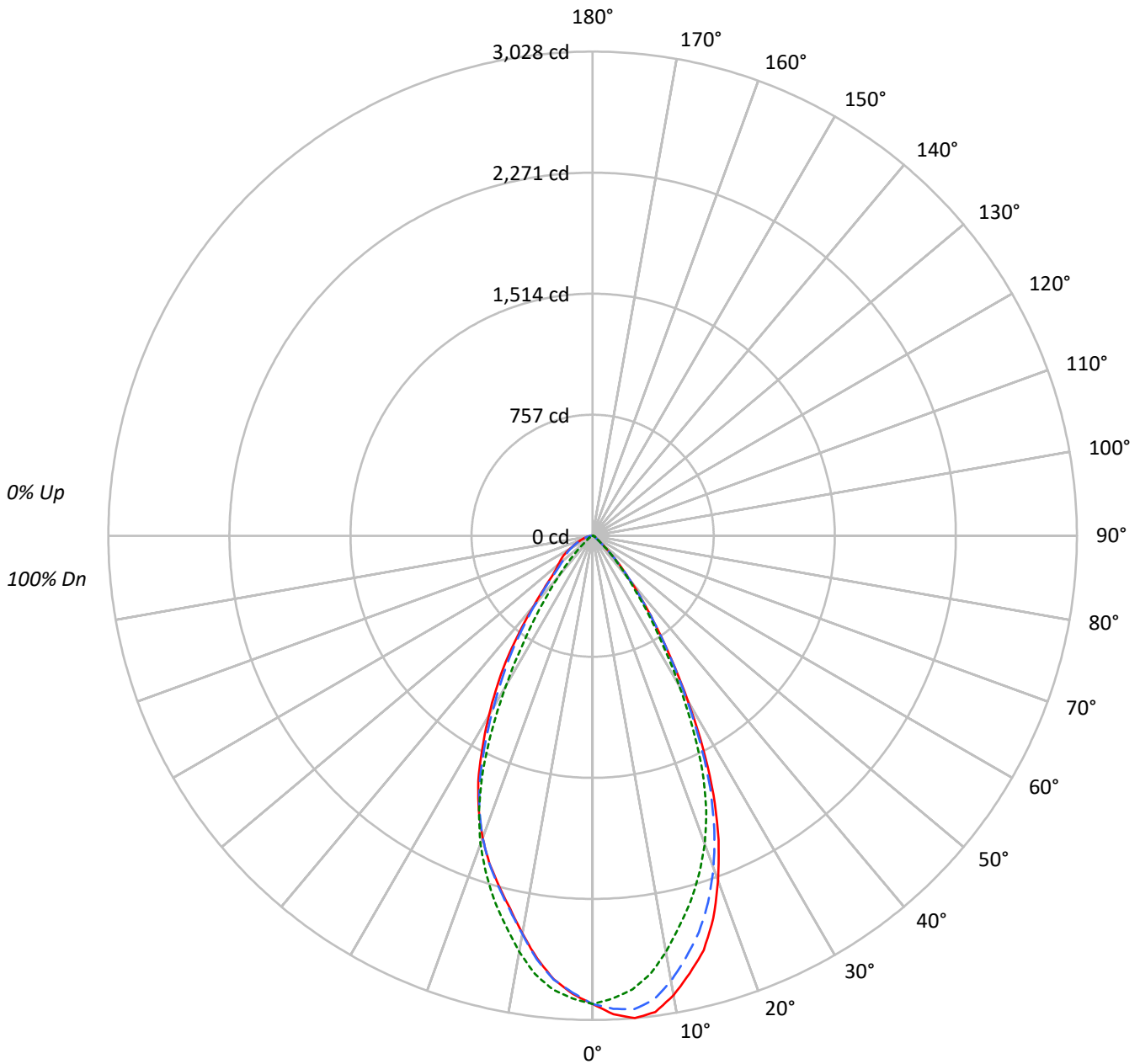
Lumens per Lamp: N/A
Luminaire Lumens: 2521.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	160519	160519	160519
5°	166624	156752	153208
10°	162361	147036	140562
15°	152271	134348	128542
20°	133682	119605	117319
25°	108115	98262	102308
30°	75163	68447	81880
35°	46324	41927	61797
40°	26213	23501	41041
45°	12730	12141	28011
50°	4844	4844	23812
55°	2657	3135	21973
60°	1941	2489	18003
65°	1634	2127	14749
70°	1410	1827	12149
75°	1334	1864	10442
80°	789	1610	7577
85°	818	3208	7170



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.1	10.6
10°-20°	673.7	26.7
20°-30°	758.4	30.1
30°-40°	469.6	18.6
40°-50°	187.0	7.4
50°-60°	85.1	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°	1700.2	67.4
0°-40°	2169.9	86.1
0°-60°	2442.0	96.9
0°-90°	2521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2521.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2928	2928	2928	2928	2928	
5°	3028	2972	2848	2787	2784	285
15°	2683	2567	2367	2271	2265	742
25°	1787	1739	1624	1665	1691	803
35°	692	688	626	873	923	445
45°	164	164	157	341	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°	2928.1	2928.1	2928.1	2928.1	2928.1	2928.1	2928.1	2928.1	2928.1
2.5°	2995.1	2967.3	2961.0	2937.0	2896.5	2873.8	2859.9	2849.8	2867.5
5°	3027.9	2997.6	2972.3	2923.1	2848.5	2806.8	2786.6	2770.2	2784.1
7.5°	3003.9	2961.0	2926.8	2858.6	2763.9	2699.5	2671.7	2652.7	2665.4
10°	2916.7	2864.9	2825.8	2744.9	2641.4	2564.3	2530.2	2512.5	2525.1
12.5°	2803.1	2760.1	2700.7	2612.3	2501.1	2420.3	2395.0	2381.1	2386.2
15°	2683.0	2632.5	2566.8	2478.4	2367.2	2286.4	2271.2	2262.4	2264.9
17.5°	2508.7	2459.5	2402.6	2316.7	2214.4	2148.7	2148.7	2142.4	2146.2
20°	2291.5	2264.9	2209.3	2137.3	2050.2	1990.8	2009.8	2003.4	2011.0
22.5°	2056.5	2036.3	1988.3	1928.9	1855.6	1808.9	1850.6	1849.3	1859.4
25°	1787.4	1772.3	1739.4	1688.9	1624.5	1595.4	1664.9	1664.9	1691.4
27.5°	1490.6	1475.4	1452.7	1409.7	1356.7	1347.8	1450.2	1462.8	1491.8
30°	1187.4	1177.3	1164.7	1125.5	1081.3	1097.7	1239.2	1260.7	1293.5
32.5°	917.1	910.8	907.0	871.6	832.5	886.8	1048.5	1076.3	1109.1
35°	692.2	678.3	688.4	661.9	626.5	694.8	872.9	896.9	923.4
37.5°	510.3	500.2	509.1	490.1	458.5	533.1	701.1	716.2	733.9
40°	366.3	357.5	365.1	353.7	328.4	397.9	549.5	565.9	573.5
42.5°	260.2	245.1	252.6	243.8	231.2	299.4	432.0	447.2	449.7
45°	164.2	159.2	164.2	159.2	156.6	222.3	341.1	355.0	361.3
47.5°	99.8	93.5	93.5	91.0	93.5	164.2	281.7	301.9	312.0
50°	56.8	54.3	53.1	51.8	56.8	128.8	243.8	266.5	279.2
52.5°	37.9	36.6	36.6	35.4	41.7	108.6	219.8	240.0	252.6
55°	27.8	26.5	26.5	26.5	32.8	93.5	202.1	218.5	229.9
57.5°	21.5	21.5	21.5	20.2	27.8	79.6	180.6	189.5	198.3
60°	17.7	16.4	16.4	16.4	22.7	68.2	155.4	159.2	164.2
62.5°	13.9	13.9	13.9	13.9	18.9	60.6	133.9	133.9	136.4
65°	12.6	11.4	11.4	11.4	16.4	53.1	112.4	111.2	113.7
67.5°	10.1	10.1	10.1	10.1	13.9	45.5	92.2	91.0	93.5
70°	8.8	8.8	8.8	8.8	11.4	37.9	74.5	73.3	75.8
72.5°	7.6	7.6	7.6	7.6	10.1	31.6	59.4	59.4	60.6
75°	6.3	6.3	6.3	6.3	8.8	24.0	48.0	48.0	49.3
77.5°	5.1	5.1	5.1	5.1	6.3	18.9	36.6	35.4	35.4
80°	2.5	3.8	3.8	3.8	5.1	13.9	26.5	24.0	24.0
82.5°	1.3	2.5	2.5	2.5	5.1	10.1	17.7	16.4	16.4
85°	1.3	1.3	1.3	3.8	5.1	7.6	11.4	11.4	11.4
87.5°	0.0	1.3	2.5	5.1	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)