

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: P799584

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799584
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: LD6C30D010 EU6309050 6LBMDDWWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

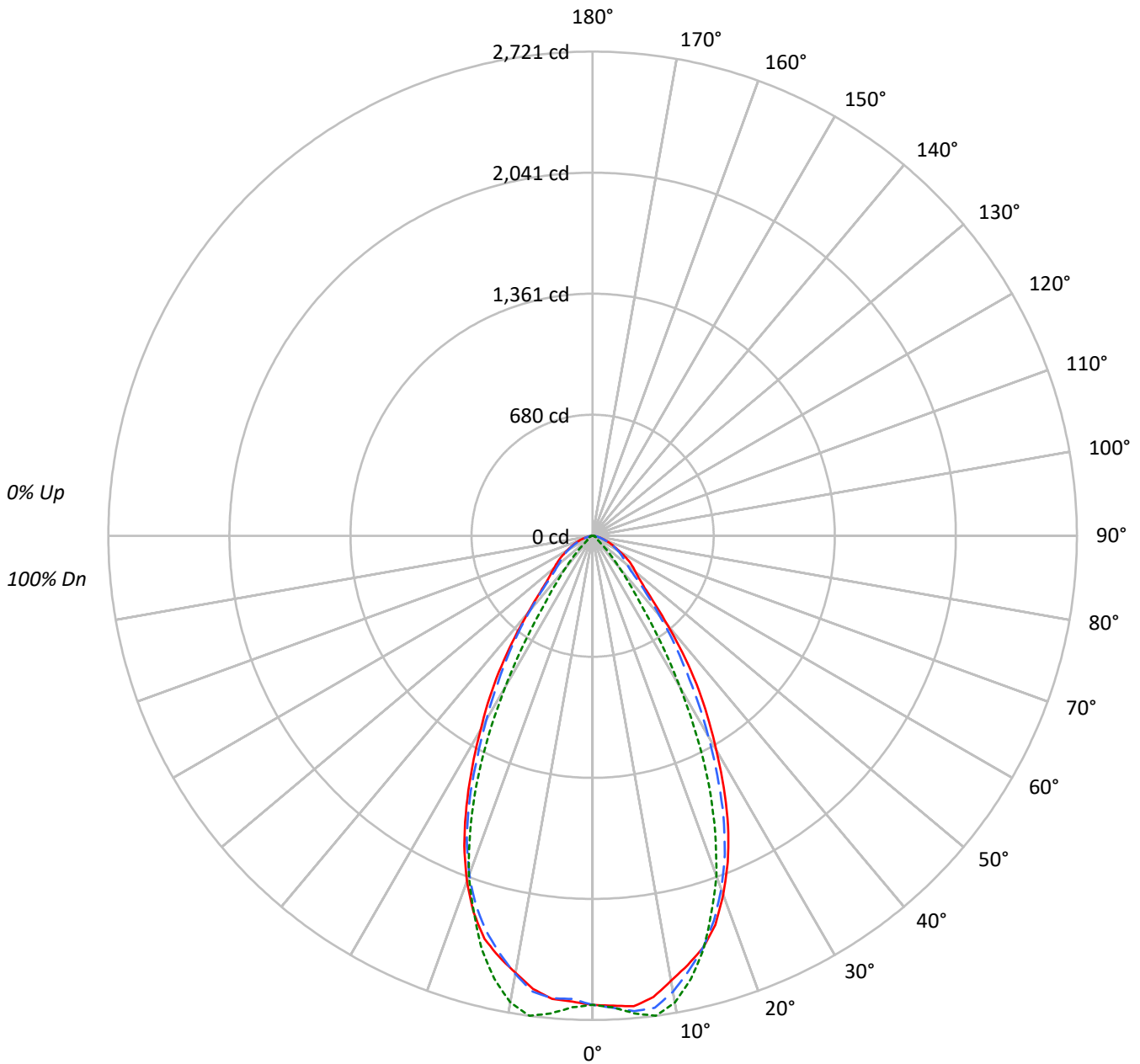
Lumens per Lamp: N/A
Luminaire Lumens: 2684.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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								
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°	144528	144528	144528
5°	146037	148255	143754
10°	141308	148249	138847
15°	136005	136533	133111
20°	125171	118596	120475
25°	108938	93526	101474
30°	87855	62136	79708
35°	68114	32036	59856
40°	46738	16603	40304
45°	32019	8319	28282
50°	26652	3548	24247
55°	23970	3078	21658
60°	18968	2938	18080
65°	15657	2607	15475
70°	12678	2372	12678
75°	9383	2563	9934
80°	5493	2115	5935
85°	4214	2516	4214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.0	9.4
10°-20°	658.7	24.5
20°-30°	751.8	28.0
30°-40°	498.6	18.6
40°-50°	240.5	9.0
50°-60°	147.9	5.5
60°-70°	89.5	3.3
70°-80°	37.7	1.4
80°-90°	8.3	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°	1661.5	61.9
0°-40°	2160.1	80.5
0°-60°	2548.5	95.0
0°-90°	2684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2684.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2636	2636	2636	2636	2636	
5°	2654	2682	2694	2608	2612	249
15°	2396	2396	2406	2304	2345	668
25°	1801	1741	1546	1636	1678	817
35°	1018	897	479	837	894	630
45°	413	362	107	338	365	337
55°	251	204	32	204	227	220
65°	121	115	20	109	119	121
75°	44	44	12	42	47	47
85°	7	9	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°	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4	2636.4
2.5°	2643.1	2647.1	2655.2	2656.5	2652.5	2627.0	2605.6	2613.6	2620.3
5°	2653.8	2661.9	2682.0	2700.8	2694.1	2651.1	2608.2	2606.9	2612.3
7.5°	2614.9	2633.7	2675.3	2722.2	2720.9	2647.1	2584.1	2568.0	2568.0
10°	2538.5	2555.9	2601.5	2664.6	2663.2	2570.7	2501.0	2492.9	2494.3
12.5°	2470.1	2478.2	2501.0	2550.6	2550.6	2459.4	2405.7	2413.8	2424.5
15°	2396.4	2401.7	2396.4	2412.5	2405.7	2330.6	2303.8	2329.3	2345.4
17.5°	2291.8	2294.4	2266.3	2244.8	2219.3	2172.4	2179.1	2216.7	2220.7
20°	2145.6	2163.0	2112.1	2057.1	2032.9	1988.7	2026.2	2067.8	2065.1
22.5°	1984.7	2004.8	1939.1	1847.9	1798.3	1780.8	1847.9	1885.4	1884.1
25°	1801.0	1815.7	1740.6	1613.2	1546.2	1543.5	1636.0	1674.9	1677.6
27.5°	1594.4	1599.8	1515.3	1349.0	1265.9	1286.0	1402.7	1456.3	1463.0
30°	1387.9	1385.2	1298.1	1091.6	981.6	1036.6	1193.5	1252.5	1259.2
32.5°	1198.8	1190.8	1091.6	844.8	713.4	795.2	1001.7	1063.4	1074.1
35°	1017.8	1004.4	897.1	624.9	478.7	600.8	836.8	890.4	894.4
37.5°	828.7	822.0	737.5	468.0	333.9	455.9	682.6	721.5	717.4
40°	653.1	653.1	583.3	347.3	232.0	339.3	540.4	575.3	563.2
42.5°	512.3	519.0	460.0	256.1	164.9	252.1	427.8	460.0	446.6
45°	413.0	413.0	362.1	190.4	107.3	187.7	337.9	367.4	364.8
47.5°	350.0	344.6	293.7	139.5	59.0	140.8	284.3	320.5	319.2
50°	312.5	304.4	252.1	110.0	41.6	116.7	249.4	282.9	284.3
52.5°	282.9	270.9	226.6	97.9	36.2	101.9	226.6	253.4	253.4
55°	250.8	244.1	203.8	87.2	32.2	91.2	203.8	228.0	226.6
57.5°	211.9	210.5	182.4	79.1	29.5	80.5	182.4	197.1	191.8
60°	173.0	178.4	158.2	71.1	26.8	72.4	155.6	167.6	164.9
62.5°	144.8	151.5	138.1	63.0	22.8	64.4	131.4	143.5	140.8
65°	120.7	126.1	115.3	53.6	20.1	53.6	108.6	119.3	119.3
67.5°	99.2	103.3	95.2	44.3	17.4	44.3	88.5	97.9	99.2
70°	79.1	81.8	75.1	34.9	14.8	36.2	69.7	79.1	79.1
72.5°	61.7	63.0	59.0	28.2	13.4	28.2	53.6	61.7	61.7
75°	44.3	46.9	44.3	21.5	12.1	21.5	41.6	45.6	46.9
77.5°	25.5	32.2	32.2	17.4	9.4	16.1	29.5	30.8	30.8
80°	17.4	20.1	22.8	12.1	6.7	12.1	18.8	20.1	18.8
82.5°	12.1	13.4	13.4	8.0	5.4	8.0	12.1	13.4	12.1
85°	6.7	9.4	9.4	6.7	4.0	5.4	6.7	8.0	6.7
87.5°	4.0	5.4	6.7	5.4	4.0	4.0	4.0	4.0	2.7
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)