

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: P799578

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799578
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 6LBMDSWWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

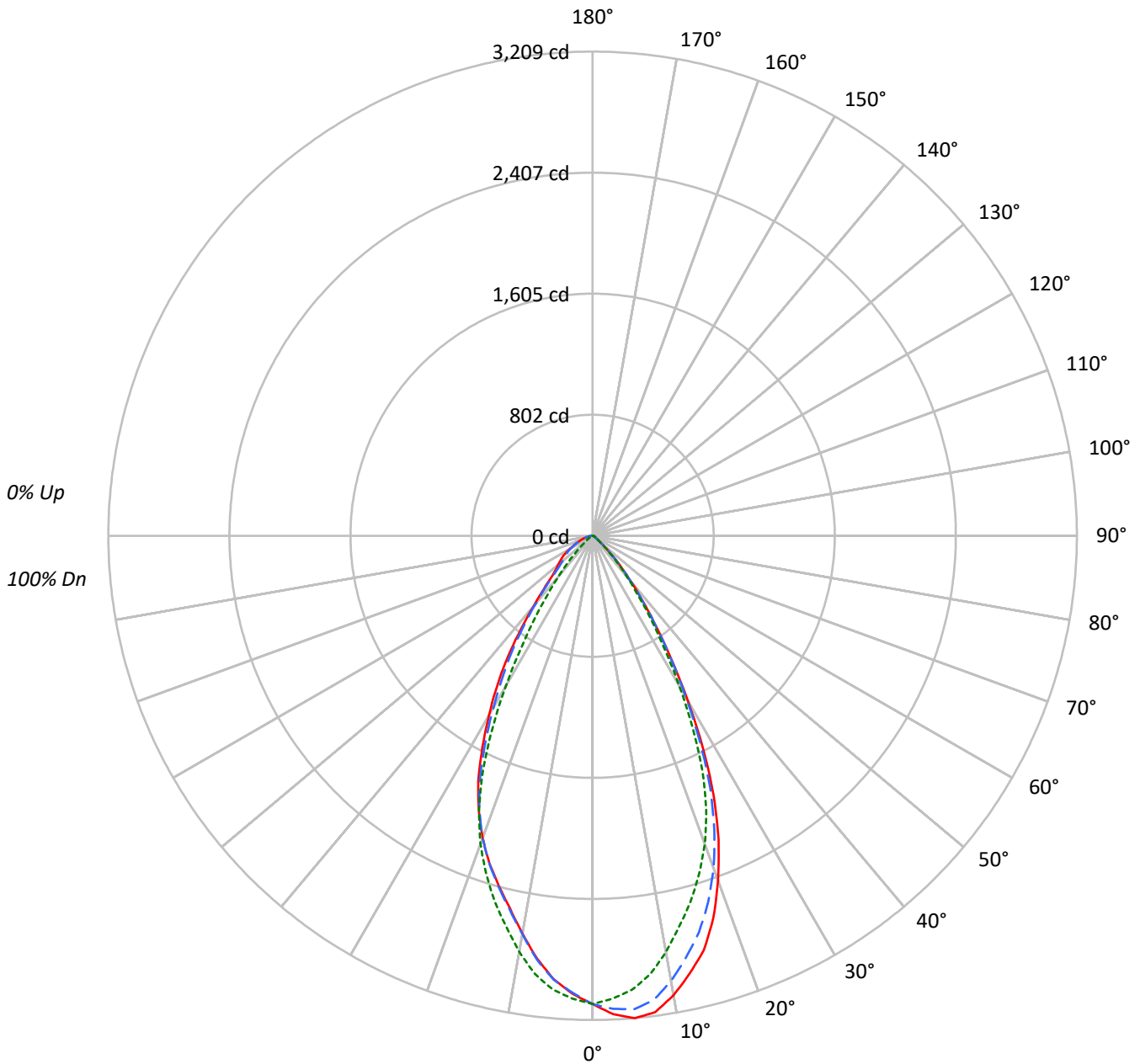
Lumens per Lamp: N/A
Luminaire Lumens: 2672.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P799578

CATALOG NUMBER: LD6C30D010 EU6309040 6LBMDSWWH

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°	170134	170134	170134
5°	176606	166140	162387
10°	172085	155842	148984
15°	161397	142396	136244
20°	141686	126769	124348
25°	114593	104147	108436
30°	79664	72549	86786
35°	49101	44444	65498
40°	27788	24911	43496
45°	13498	12870	29685
50°	5134	5134	25236
55°	2819	3326	23292
60°	2050	2642	19088
65°	1738	2257	15631
70°	1507	1923	12871
75°	1419	1991	11056
80°	852	1705	8019
85°	818	3397	7548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	10.6
10°-20°	714.1	26.7
20°-30°	803.9	30.1
30°-40°	497.8	18.6
40°-50°	198.2	7.4
50°-60°	90.2	3.4
60°-70°	51.9	1.9
70°-80°	24.6	0.9
80°-90°	7.2	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°	1802.1	67.4
0°-40°	2299.8	86.1
0°-60°	2588.3	96.9
0°-90°	2672.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2672.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3104	3104	3104	3104	3104	
5°	3209	3150	3019	2954	2951	302
15°	2844	2721	2509	2407	2401	787
25°	1894	1844	1722	1765	1793	852
35°	734	730	664	925	979	472
45°	174	174	166	362	383	147
55°	30	28	35	214	244	29
65°	13	12	17	119	120	13
75°	7	7	9	51	52	7
85°	1	1	5	12	12	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°	3103.5	3103.5	3103.5	3103.5	3103.5	3103.5	3103.5	3103.5	3103.5
2.5°	3174.5	3145.0	3138.3	3112.9	3070.0	3045.9	3031.2	3020.5	3039.2
5°	3209.3	3177.1	3150.4	3098.1	3019.1	2975.0	2953.5	2936.1	2950.9
7.5°	3183.8	3138.3	3102.2	3029.9	2929.4	2861.2	2831.7	2811.6	2825.0
10°	3091.4	3036.6	2995.0	2909.4	2799.6	2717.9	2681.8	2663.0	2676.4
12.5°	2970.9	2925.4	2862.5	2768.8	2651.0	2565.3	2538.5	2523.8	2529.1
15°	2843.8	2790.2	2720.6	2626.9	2509.0	2423.3	2407.3	2397.9	2400.6
17.5°	2659.0	2606.8	2546.5	2455.5	2347.0	2277.4	2277.4	2270.7	2274.7
20°	2428.7	2400.6	2341.7	2265.4	2173.0	2110.1	2130.1	2123.4	2131.5
22.5°	2179.7	2158.3	2107.4	2044.5	1966.8	1917.3	1961.4	1960.1	1970.8
25°	1894.5	1878.4	1843.6	1790.1	1721.8	1691.0	1764.6	1764.6	1792.7
27.5°	1579.9	1563.8	1539.7	1494.2	1437.9	1428.6	1537.0	1550.4	1581.2
30°	1258.5	1247.8	1234.4	1192.9	1146.1	1163.5	1313.4	1336.2	1371.0
32.5°	972.0	965.3	961.3	923.8	882.3	939.9	1111.3	1140.7	1175.5
35°	733.7	719.0	729.7	701.6	664.1	736.4	925.2	950.6	978.7
37.5°	540.9	530.2	539.6	519.5	486.0	565.0	743.1	759.1	777.9
40°	388.3	378.9	386.9	374.9	348.1	421.7	582.4	599.8	607.8
42.5°	275.8	259.7	267.8	258.4	245.0	317.3	457.9	474.0	476.6
45°	174.1	168.7	174.1	168.7	166.0	235.6	361.5	376.2	382.9
47.5°	105.8	99.1	99.1	96.4	99.1	174.1	298.6	320.0	330.7
50°	60.2	57.6	56.2	54.9	60.2	136.6	258.4	282.5	295.9
52.5°	40.2	38.8	38.8	37.5	44.2	115.1	233.0	254.4	267.8
55°	29.5	28.1	28.1	28.1	34.8	99.1	214.2	231.6	243.7
57.5°	22.8	22.8	22.8	21.4	29.5	84.3	191.5	200.8	210.2
60°	18.7	17.4	17.4	17.4	24.1	72.3	164.7	168.7	174.1
62.5°	14.7	14.7	14.7	14.7	20.1	64.3	141.9	141.9	144.6
65°	13.4	12.0	12.0	12.0	17.4	56.2	119.2	117.8	120.5
67.5°	10.7	10.7	10.7	10.7	14.7	48.2	97.7	96.4	99.1
70°	9.4	9.4	9.4	9.4	12.0	40.2	79.0	77.7	80.3
72.5°	8.0	8.0	8.0	8.0	10.7	33.5	62.9	62.9	64.3
75°	6.7	6.7	6.7	6.7	9.4	25.4	50.9	50.9	52.2
77.5°	5.4	5.4	5.4	5.4	6.7	20.1	38.8	37.5	37.5
80°	2.7	4.0	4.0	4.0	5.4	14.7	28.1	25.4	25.4
82.5°	1.3	2.7	2.7	2.7	5.4	10.7	18.7	17.4	17.4
85°	1.3	1.3	1.3	4.0	5.4	8.0	12.0	12.0	12.0
87.5°	0.0	1.3	2.7	5.4	6.7	6.7	8.0	6.7	6.7
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)