

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: P799553

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799553
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 EU6309030 6LBMDSWMW
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

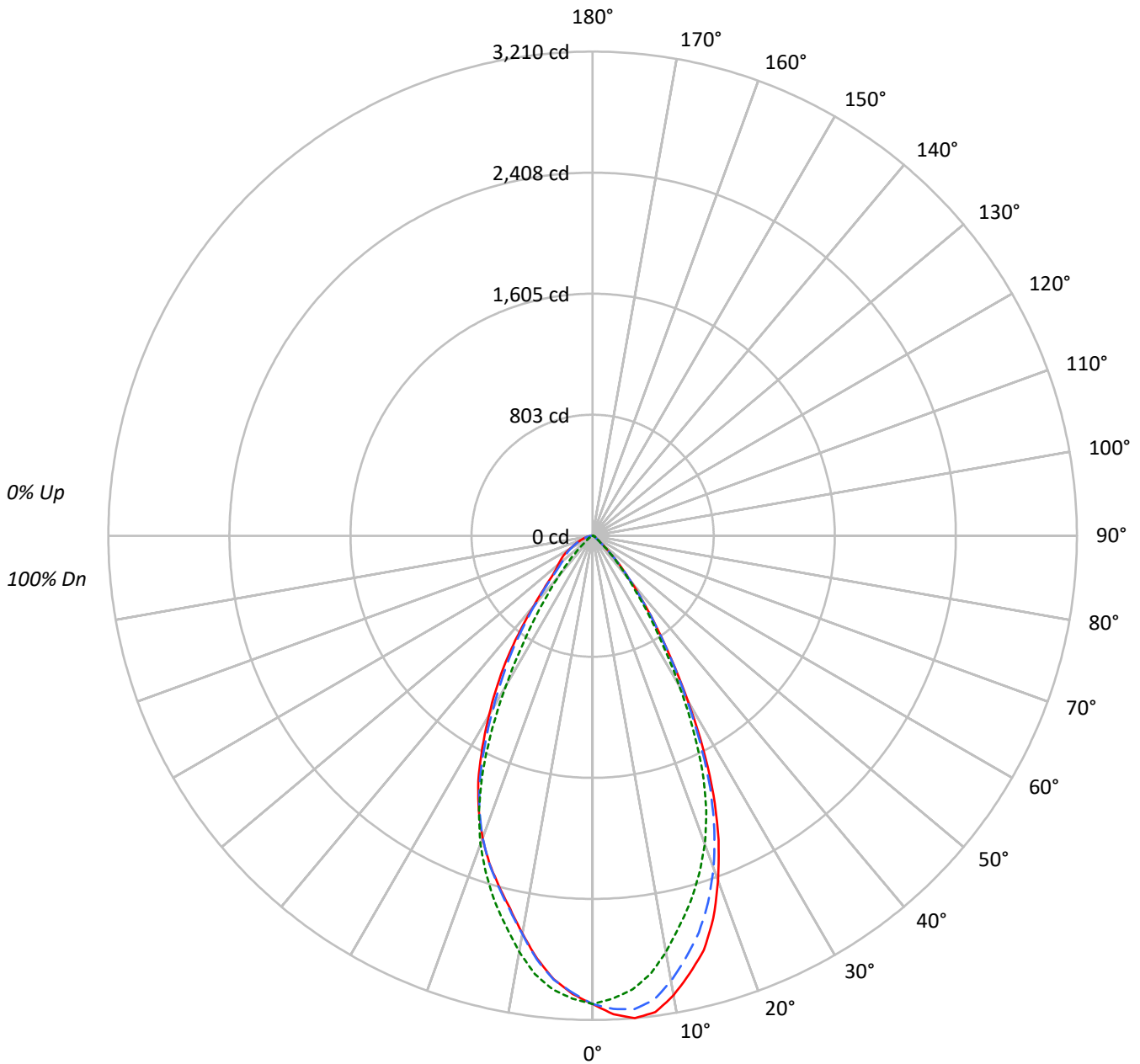
Lumens per Lamp: N/A
Luminaire Lumens: 2673.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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°	170200	170200	170200
5°	176672	166206	162447
10°	172152	155898	149040
15°	161454	142453	136295
20°	141739	126816	124395
25°	114636	104183	108478
30°	79696	72574	86817
35°	49122	44457	65524
40°	27795	24918	43517
45°	13498	12877	29701
50°	5143	5143	25244
55°	2819	3326	23301
60°	2061	2642	19088
65°	1738	2257	15631
70°	1507	1939	12887
75°	1419	1991	11056
80°	852	1705	8019
85°	818	3397	7611



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	10.6
10°-20°	714.4	26.7
20°-30°	804.2	30.1
30°-40°	498.0	18.6
40°-50°	198.3	7.4
50°-60°	90.3	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°	1802.7	67.4
0°-40°	2300.7	86.1
0°-60°	2589.3	96.9
0°-90°	2673.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2673.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3105	3105	3105	3105	3105	
5°	3210	3152	3020	2955	2952	302
15°	2845	2722	2510	2408	2402	787
25°	1895	1844	1722	1765	1793	852
35°	734	730	664	926	979	472
45°	174	174	166	362	383	148
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°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
2.5°	3175.6	3146.2	3139.5	3114.0	3071.2	3047.1	3032.3	3021.6	3040.4
5°	3210.5	3178.3	3151.5	3099.3	3020.3	2976.1	2954.6	2937.2	2952.0
7.5°	3185.0	3139.5	3103.3	3031.0	2930.5	2862.2	2832.8	2812.7	2826.1
10°	3092.6	3037.7	2996.2	2910.4	2800.6	2718.9	2682.8	2664.0	2677.4
12.5°	2972.1	2926.5	2863.6	2769.8	2651.9	2566.2	2539.4	2524.7	2530.1
15°	2844.8	2791.2	2721.6	2627.8	2510.0	2424.3	2408.2	2398.8	2401.5
17.5°	2660.0	2607.7	2547.5	2456.4	2347.9	2278.3	2278.3	2271.6	2275.6
20°	2429.6	2401.5	2342.6	2266.2	2173.8	2110.8	2130.9	2124.2	2132.3
22.5°	2180.5	2159.1	2108.2	2045.2	1967.5	1918.0	1962.2	1960.8	1971.5
25°	1895.2	1879.1	1844.3	1790.7	1722.4	1691.6	1765.3	1765.3	1793.4
27.5°	1580.5	1564.4	1540.3	1494.7	1438.5	1429.1	1537.6	1551.0	1581.8
30°	1259.0	1248.3	1234.9	1193.4	1146.5	1163.9	1313.9	1336.7	1371.5
32.5°	972.4	965.7	961.7	924.2	882.6	940.2	1111.7	1141.1	1176.0
35°	734.0	719.2	730.0	701.8	664.3	736.7	925.5	951.0	979.1
37.5°	541.1	530.4	539.8	519.7	486.2	565.2	743.3	759.4	778.2
40°	388.4	379.0	387.1	375.0	348.2	421.9	582.6	600.0	608.1
42.5°	275.9	259.8	267.9	258.5	245.1	317.4	458.1	474.1	476.8
45°	174.1	168.8	174.1	168.8	166.1	235.7	361.6	376.4	383.1
47.5°	105.8	99.1	99.1	96.4	99.1	174.1	298.7	320.1	330.8
50°	60.3	57.6	56.3	54.9	60.3	136.6	258.5	282.6	296.0
52.5°	40.2	38.8	38.8	37.5	44.2	115.2	233.1	254.5	267.9
55°	29.5	28.1	28.1	28.1	34.8	99.1	214.3	231.7	243.8
57.5°	22.8	22.8	22.8	21.4	29.5	84.4	191.5	200.9	210.3
60°	18.8	17.4	17.4	17.4	24.1	72.3	164.7	168.8	174.1
62.5°	14.7	14.7	14.7	14.7	20.1	64.3	142.0	142.0	144.7
65°	13.4	12.1	12.1	12.1	17.4	56.3	119.2	117.9	120.5
67.5°	10.7	10.7	10.7	10.7	14.7	48.2	97.8	96.4	99.1
70°	9.4	9.4	9.4	9.4	12.1	40.2	79.0	77.7	80.4
72.5°	8.0	8.0	8.0	8.0	10.7	33.5	63.0	63.0	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	18.8	17.4	17.4
85°	1.3	1.3	1.3	4.0	5.4	8.0	12.1	12.1	12.1
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)