

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: P799551

Luminaire Tested: **LD6C30D010 EU6309030 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799551
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 6LBMDSWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

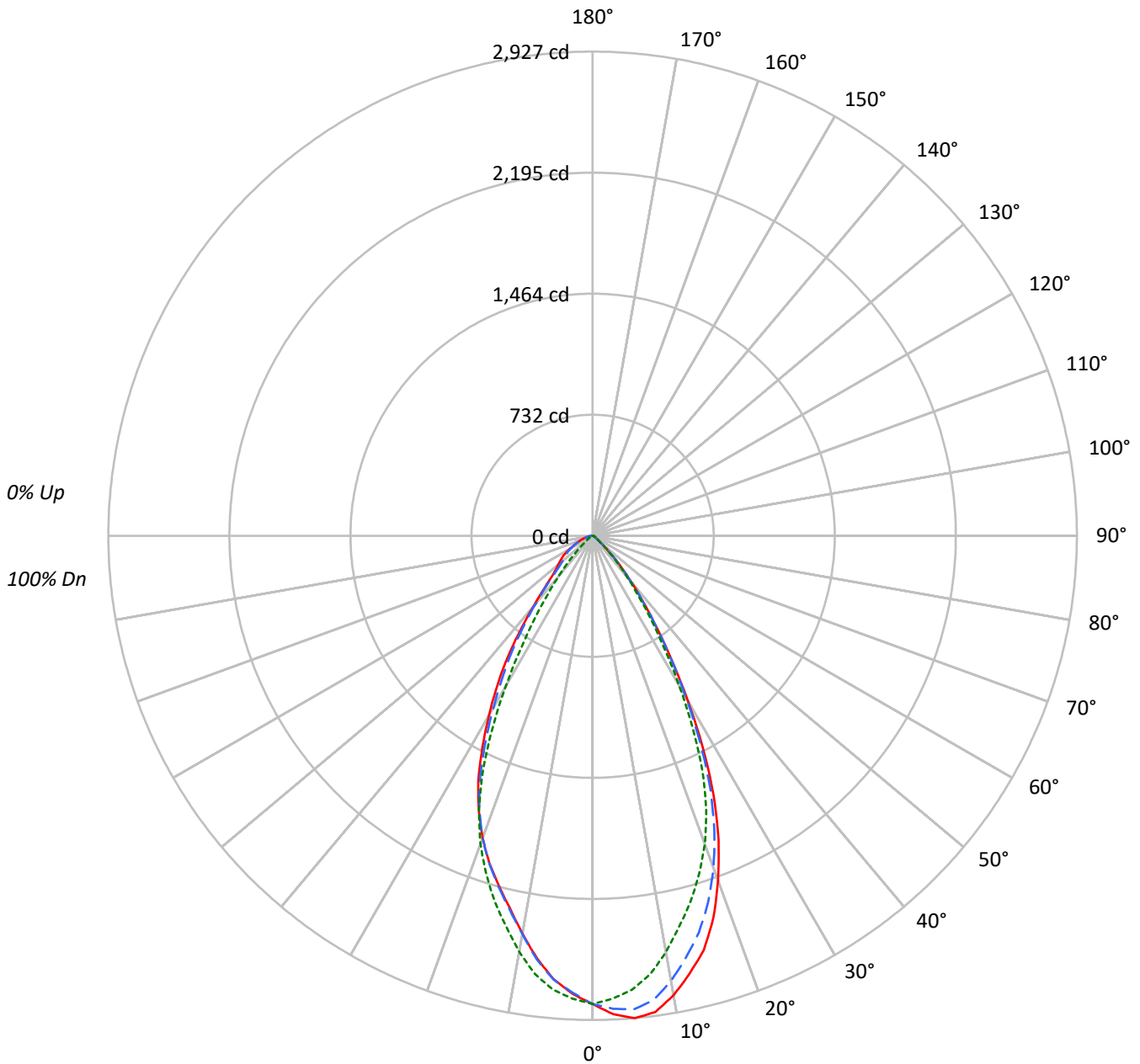
Lumens per Lamp: N/A
Luminaire Lumens: 2437.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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								
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92								
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78								
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73								
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67								
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63								
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59								
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55								
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52								
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	155168	155168	155168
5°	161072	151529	148101
10°	156955	142137	135880
15°	147197	129876	124263
20°	129225	115621	113410
25°	104516	94989	98903
30°	72657	66168	79151
35°	44785	40535	59736
40°	25340	22721	39674
45°	12304	11738	27073
50°	4691	4691	23018
55°	2571	3030	21237
60°	1875	2412	17400
65°	1583	2062	14256
70°	1362	1763	11749
75°	1292	1800	10082
80°	758	1547	7324
85°	755	3082	6919



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.1	10.6
10°-20°	651.3	26.7
20°-30°	733.2	30.1
30°-40°	454.0	18.6
40°-50°	180.8	7.4
50°-60°	82.3	3.4
60°-70°	47.3	1.9
70°-80°	22.5	0.9
80°-90°	6.6	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°	1643.6	67.4
0°-40°	2097.6	86.1
0°-60°	2360.7	96.9
0°-90°	2437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2437.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2830	2830	2830	2830	2830	
5°	2927	2873	2754	2694	2691	276
15°	2594	2481	2288	2196	2190	718
25°	1728	1682	1570	1609	1635	777
35°	669	666	606	844	893	430
45°	159	159	151	330	349	134
55°	27	26	32	195	222	27
65°	12	11	16	109	110	12
75°	6	6	8	46	48	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°	2830.5	2830.5	2830.5	2830.5	2830.5	2830.5	2830.5	2830.5	2830.5
2.5°	2895.3	2868.4	2862.3	2839.1	2800.0	2778.0	2764.6	2754.8	2771.9
5°	2927.0	2897.7	2873.3	2825.7	2753.6	2713.3	2693.8	2677.9	2691.3
7.5°	2903.8	2862.3	2829.3	2763.4	2671.8	2609.5	2582.7	2564.3	2576.6
10°	2819.6	2769.5	2731.6	2653.5	2553.4	2478.9	2445.9	2428.8	2441.0
12.5°	2709.7	2668.1	2610.7	2525.3	2417.8	2339.7	2315.2	2301.8	2306.7
15°	2593.6	2544.8	2481.3	2395.8	2288.4	2210.2	2195.6	2187.0	2189.5
17.5°	2425.1	2377.5	2322.6	2239.5	2140.6	2077.1	2077.1	2071.0	2074.7
20°	2215.1	2189.5	2135.7	2066.1	1981.9	1924.5	1942.8	1936.7	1944.0
22.5°	1988.0	1968.4	1922.0	1864.6	1793.8	1748.6	1788.9	1787.7	1797.5
25°	1727.9	1713.2	1681.5	1632.6	1570.4	1542.3	1609.4	1609.4	1635.1
27.5°	1440.9	1426.3	1404.3	1362.8	1311.5	1302.9	1401.8	1414.1	1442.1
30°	1147.8	1138.1	1125.9	1088.0	1045.3	1061.1	1197.9	1218.7	1250.4
32.5°	886.5	880.4	876.8	842.6	804.7	857.2	1013.5	1040.4	1072.1
35°	669.2	655.7	665.5	639.9	605.7	671.6	843.8	867.0	892.6
37.5°	493.3	483.6	492.1	473.8	443.3	515.3	677.7	692.4	709.5
40°	354.1	345.6	352.9	341.9	317.5	384.7	531.2	547.1	554.4
42.5°	251.5	236.9	244.2	235.7	223.5	289.4	417.6	432.3	434.7
45°	158.7	153.9	158.7	153.9	151.4	214.9	329.7	343.1	349.2
47.5°	96.5	90.4	90.4	87.9	90.4	158.7	272.3	291.8	301.6
50°	55.0	52.5	51.3	50.1	55.0	124.6	235.7	257.7	269.9
52.5°	36.6	35.4	35.4	34.2	40.3	105.0	212.5	232.0	244.2
55°	26.9	25.6	25.6	25.6	31.7	90.4	195.4	211.3	222.2
57.5°	20.8	20.8	20.8	19.5	26.9	76.9	174.6	183.2	191.7
60°	17.1	15.9	15.9	15.9	22.0	65.9	150.2	153.9	158.7
62.5°	13.4	13.4	13.4	13.4	18.3	58.6	129.4	129.4	131.9
65°	12.2	11.0	11.0	11.0	15.9	51.3	108.7	107.5	109.9
67.5°	9.8	9.8	9.8	9.8	13.4	44.0	89.1	87.9	90.4
70°	8.5	8.5	8.5	8.5	11.0	36.6	72.0	70.8	73.3
72.5°	7.3	7.3	7.3	7.3	9.8	30.5	57.4	57.4	58.6
75°	6.1	6.1	6.1	6.1	8.5	23.2	46.4	46.4	47.6
77.5°	4.9	4.9	4.9	4.9	6.1	18.3	35.4	34.2	34.2
80°	2.4	3.7	3.7	3.7	4.9	13.4	25.6	23.2	23.2
82.5°	1.2	2.4	2.4	2.4	4.9	9.8	17.1	15.9	15.9
85°	1.2	1.2	1.2	3.7	4.9	7.3	11.0	11.0	11.0
87.5°	0.0	1.2	2.4	4.9	6.1	6.1	7.3	6.1	6.1
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)