

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: P799539

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799539
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 EU6309027 6LBMDSWH
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

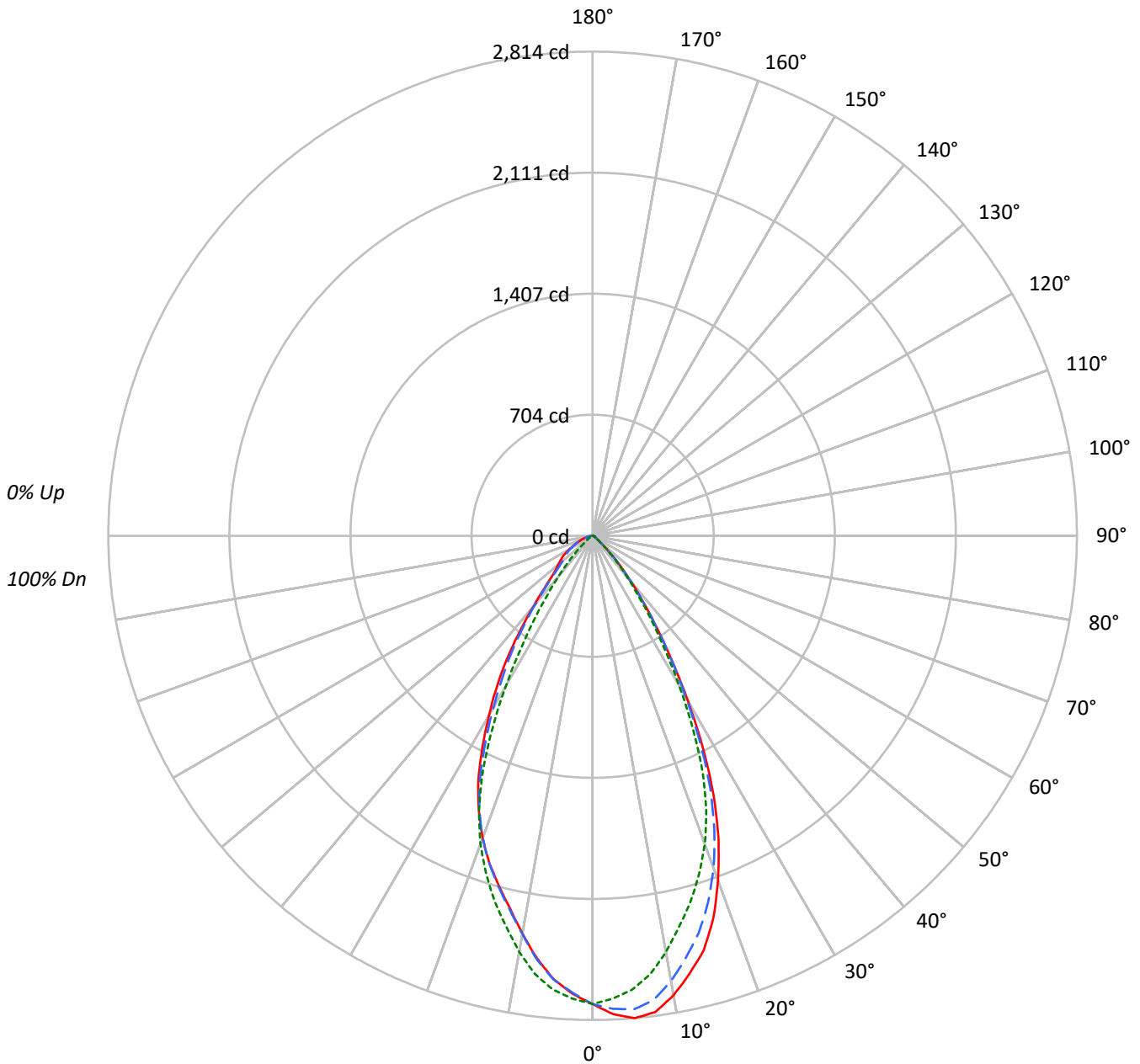
Lumens per Lamp: N/A
Luminaire Lumens: 2343.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	149188	149188	149188
5°	154859	145685	142389
10°	150899	136654	130642
15°	141522	124865	119467
20°	124243	111158	109034
25°	100482	91324	95086
30°	69859	63617	76100
35°	43058	38969	57433
40°	24367	21841	38143
45°	11831	11288	26034
50°	4503	4503	22131
55°	2466	2915	20425
60°	1798	2313	16731
65°	1518	1985	13711
70°	1314	1699	11284
75°	1250	1737	9701
80°	726	1484	7040
85°	755	2956	6667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.1	10.6
10°-20°	626.2	26.7
20°-30°	704.9	30.1
30°-40°	436.5	18.6
40°-50°	173.8	7.4
50°-60°	79.1	3.4
60°-70°	45.5	1.9
70°-80°	21.6	0.9
80°-90°	6.3	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°	1580.2	67.4
0°-40°	2016.7	86.1
0°-60°	2269.6	96.9
0°-90°	2343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2343.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2721	2721	2721	2721	2721	
5°	2814	2762	2647	2590	2588	265
15°	2494	2386	2200	2111	2105	690
25°	1661	1617	1510	1547	1572	747
35°	643	640	582	811	858	413
45°	153	153	146	317	336	129
55°	26	25	30	188	214	26
65°	12	11	15	104	106	11
75°	6	6	8	45	46	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°	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4	2721.4
2.5°	2783.6	2757.8	2751.9	2729.6	2692.0	2670.9	2658.0	2648.6	2665.0
5°	2814.1	2785.9	2762.5	2716.7	2647.4	2608.7	2589.9	2574.6	2587.5
7.5°	2791.8	2751.9	2720.2	2656.8	2568.7	2508.9	2483.0	2465.4	2477.2
10°	2710.8	2662.7	2626.3	2551.1	2454.9	2383.2	2351.6	2335.1	2346.9
12.5°	2605.1	2565.2	2510.0	2427.9	2324.5	2249.4	2225.9	2213.0	2217.7
15°	2493.6	2446.6	2385.6	2303.4	2200.1	2125.0	2110.9	2102.7	2105.0
17.5°	2331.6	2285.8	2233.0	2153.1	2058.0	1997.0	1997.0	1991.1	1994.6
20°	2129.7	2105.0	2053.4	1986.4	1905.4	1850.2	1867.9	1862.0	1869.0
22.5°	1911.3	1892.5	1847.9	1792.7	1724.6	1681.2	1719.9	1718.8	1728.1
25°	1661.2	1647.1	1616.6	1569.7	1509.8	1482.8	1547.4	1547.4	1572.0
27.5°	1385.3	1371.2	1350.1	1310.2	1260.9	1252.7	1347.8	1359.5	1386.5
30°	1103.6	1094.2	1082.4	1046.0	1005.0	1020.2	1151.7	1171.7	1202.2
32.5°	852.3	846.5	842.9	810.1	773.7	824.2	974.4	1000.3	1030.8
35°	643.4	630.4	639.8	615.2	582.3	645.7	811.2	833.5	858.2
37.5°	474.3	464.9	473.1	455.5	426.2	495.4	651.6	665.7	682.1
40°	340.5	332.2	339.3	328.7	305.2	369.8	510.7	526.0	533.0
42.5°	241.8	227.8	234.8	226.6	214.8	278.2	401.5	415.6	417.9
45°	152.6	147.9	152.6	147.9	145.6	206.6	317.0	329.9	335.8
47.5°	92.7	86.9	86.9	84.5	86.9	152.6	261.8	280.6	290.0
50°	52.8	50.5	49.3	48.1	52.8	119.7	226.6	247.7	259.5
52.5°	35.2	34.0	34.0	32.9	38.7	101.0	204.3	223.1	234.8
55°	25.8	24.7	24.7	24.7	30.5	86.9	187.8	203.1	213.7
57.5°	20.0	20.0	20.0	18.8	25.8	74.0	167.9	176.1	184.3
60°	16.4	15.3	15.3	15.3	21.1	63.4	144.4	147.9	152.6
62.5°	12.9	12.9	12.9	12.9	17.6	56.4	124.4	124.4	126.8
65°	11.7	10.6	10.6	10.6	15.3	49.3	104.5	103.3	105.7
67.5°	9.4	9.4	9.4	9.4	12.9	42.3	85.7	84.5	86.9
70°	8.2	8.2	8.2	8.2	10.6	35.2	69.3	68.1	70.4
72.5°	7.0	7.0	7.0	7.0	9.4	29.4	55.2	55.2	56.4
75°	5.9	5.9	5.9	5.9	8.2	22.3	44.6	44.6	45.8
77.5°	4.7	4.7	4.7	4.7	5.9	17.6	34.0	32.9	32.9
80°	2.3	3.5	3.5	3.5	4.7	12.9	24.7	22.3	22.3
82.5°	1.2	2.3	2.3	2.3	4.7	9.4	16.4	15.3	15.3
85°	1.2	1.2	1.2	3.5	4.7	7.0	10.6	10.6	10.6
87.5°	0.0	1.2	2.3	4.7	5.9	5.9	7.0	5.9	5.9
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)