

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: P799469

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799469
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: LD6C20D010 EU6209050 6LBMDSWMW
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

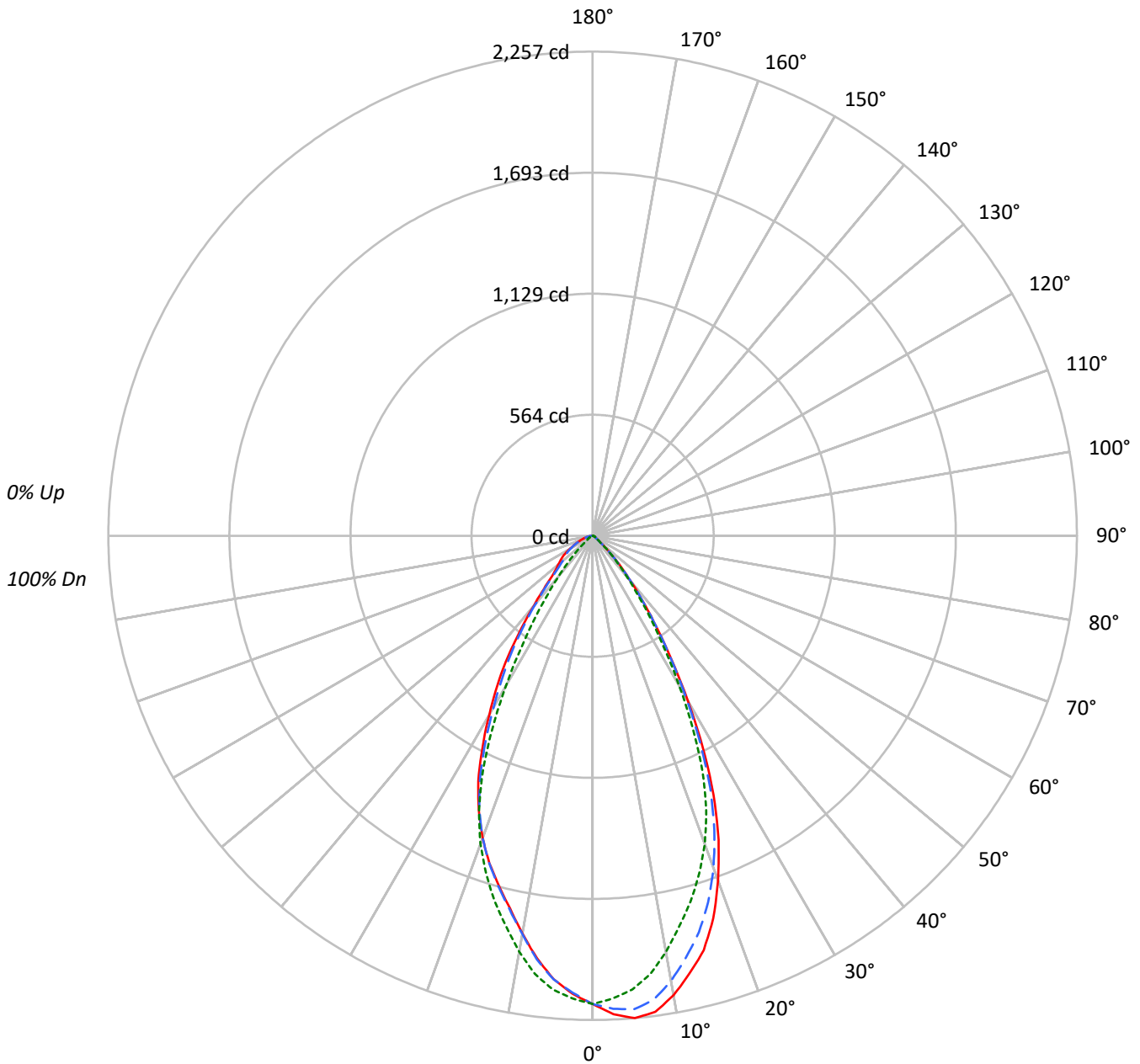
Lumens per Lamp: N/A
Luminaire Lumens: 1879.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
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°	119640	119640	119640
5°	124191	116833	114192
10°	121018	109589	104769
15°	113497	100137	95806
20°	99636	89147	87443
25°	80581	73238	76256
30°	56021	51014	61028
35°	34532	31253	46056
40°	19537	17519	30586
45°	9489	9047	20878
50°	3616	3616	17748
55°	1978	2342	16382
60°	1447	1853	13420
65°	1219	1583	10987
70°	1058	1362	9056
75°	996	1398	7773
80°	600	1200	5651
85°	566	2390	5346



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.8	10.6
10°-20°	502.2	26.7
20°-30°	565.3	30.1
30°-40°	350.0	18.6
40°-50°	139.4	7.4
50°-60°	63.5	3.4
60°-70°	36.5	1.9
70°-80°	17.3	0.9
80°-90°	5.1	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°	1267.2	67.4
0°-40°	1617.3	86.1
0°-60°	1820.1	96.9
0°-90°	1879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1879.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2182	2182	2182	2182	2182	
5°	2257	2215	2123	2077	2075	213
15°	2000	1913	1764	1693	1688	553
25°	1332	1296	1211	1241	1261	599
35°	516	513	467	651	688	332
45°	122	122	117	254	269	104
55°	21	20	24	151	171	21
65°	9	8	12	84	85	9
75°	5	5	7	36	37	5
85°	1	1	4	8	8	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°	2182.4	2182.4	2182.4	2182.4	2182.4	2182.4	2182.4	2182.4	2182.4
2.5°	2232.3	2211.6	2206.9	2189.0	2158.9	2141.9	2131.6	2124.1	2137.2
5°	2256.8	2234.2	2215.4	2178.7	2123.1	2092.0	2077.0	2064.7	2075.1
7.5°	2238.9	2206.9	2181.5	2130.7	2060.0	2012.0	1991.3	1977.2	1986.6
10°	2174.0	2135.4	2106.2	2045.9	1968.7	1911.3	1885.9	1872.7	1882.1
12.5°	2089.2	2057.2	2013.0	1947.1	1864.2	1803.9	1785.1	1774.8	1778.5
15°	1999.8	1962.1	1913.2	1847.3	1764.4	1704.1	1692.8	1686.3	1688.1
17.5°	1869.9	1833.1	1790.8	1726.7	1650.5	1601.5	1601.5	1596.8	1599.6
20°	1707.9	1688.1	1646.7	1593.0	1528.1	1483.8	1498.0	1493.2	1498.9
22.5°	1532.8	1517.7	1481.9	1437.7	1383.1	1348.3	1379.3	1378.4	1385.9
25°	1332.2	1320.9	1296.5	1258.8	1210.8	1189.1	1240.9	1240.9	1260.7
27.5°	1111.0	1099.7	1082.7	1050.7	1011.2	1004.6	1080.9	1090.3	1111.9
30°	885.0	877.5	868.1	838.9	805.9	818.2	923.6	939.6	964.1
32.5°	683.5	678.8	676.0	649.6	620.5	660.9	781.5	802.2	826.7
35°	516.0	505.6	513.1	493.4	467.0	517.8	650.6	668.5	688.2
37.5°	380.4	372.8	379.4	365.3	341.8	397.3	522.5	533.8	547.0
40°	273.0	266.4	272.1	263.6	244.8	296.6	409.6	421.8	427.4
42.5°	194.0	182.7	188.3	181.7	172.3	223.1	322.0	333.3	335.2
45°	122.4	118.6	122.4	118.6	116.7	165.7	254.2	264.6	269.3
47.5°	74.4	69.7	69.7	67.8	69.7	122.4	210.0	225.0	232.6
50°	42.4	40.5	39.5	38.6	42.4	96.0	181.7	198.7	208.1
52.5°	28.2	27.3	27.3	26.4	31.1	81.0	163.8	178.9	188.3
55°	20.7	19.8	19.8	19.8	24.5	69.7	150.6	162.9	171.4
57.5°	16.0	16.0	16.0	15.1	20.7	59.3	134.6	141.2	147.8
60°	13.2	12.2	12.2	12.2	16.9	50.8	115.8	118.6	122.4
62.5°	10.4	10.4	10.4	10.4	14.1	45.2	99.8	99.8	101.7
65°	9.4	8.5	8.5	8.5	12.2	39.5	83.8	82.9	84.7
67.5°	7.5	7.5	7.5	7.5	10.4	33.9	68.7	67.8	69.7
70°	6.6	6.6	6.6	6.6	8.5	28.2	55.5	54.6	56.5
72.5°	5.6	5.6	5.6	5.6	7.5	23.5	44.3	44.3	45.2
75°	4.7	4.7	4.7	4.7	6.6	17.9	35.8	35.8	36.7
77.5°	3.8	3.8	3.8	3.8	4.7	14.1	27.3	26.4	26.4
80°	1.9	2.8	2.8	2.8	3.8	10.4	19.8	17.9	17.9
82.5°	0.9	1.9	1.9	1.9	3.8	7.5	13.2	12.2	12.2
85°	0.9	0.9	0.9	2.8	3.8	5.6	8.5	8.5	8.5
87.5°	0.0	0.9	1.9	3.8	4.7	4.7	5.6	4.7	4.7
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)