

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: P799423

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDSWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799423
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 EU6209027 6LBMDSWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

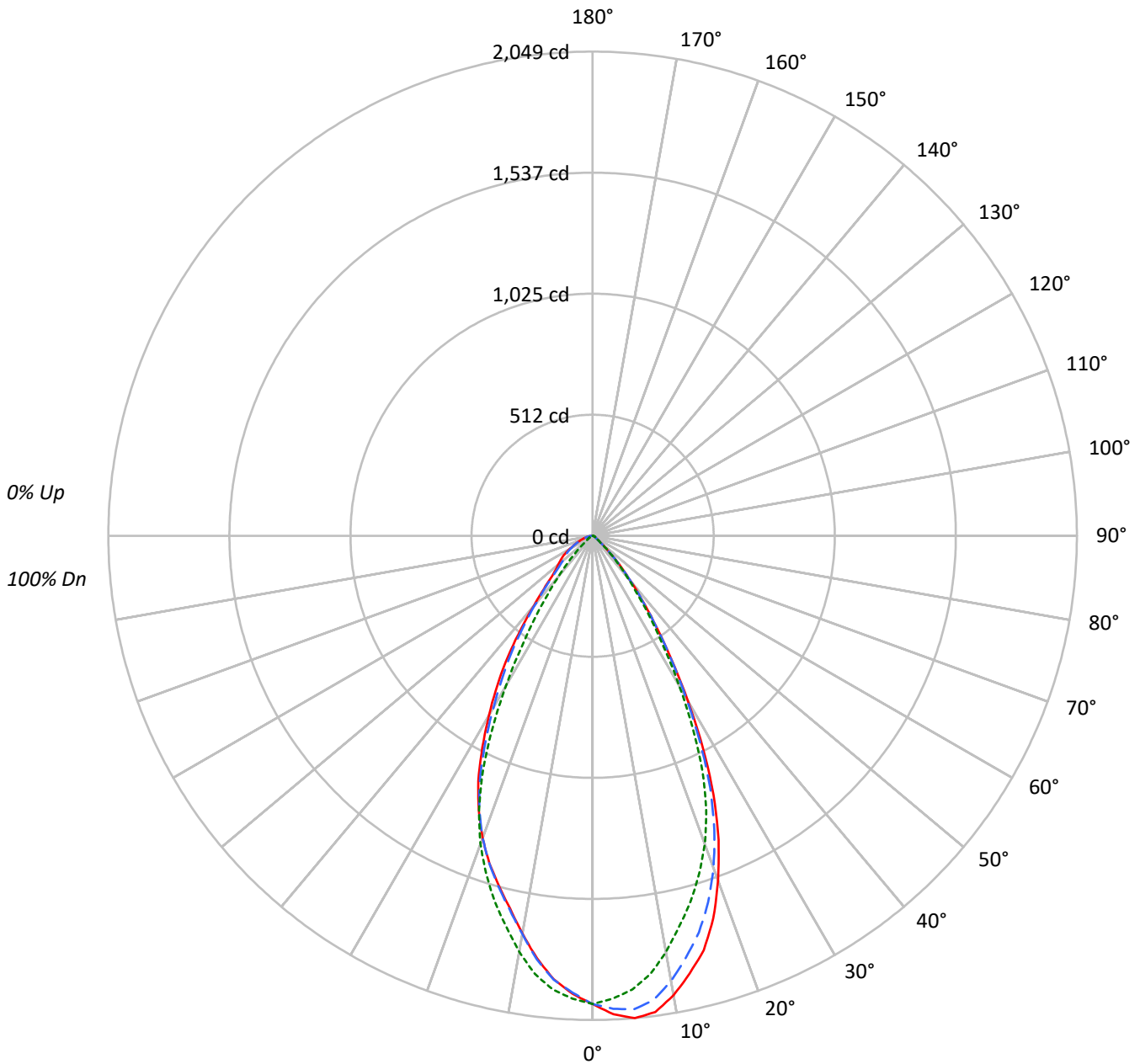
Lumens per Lamp: N/A
Luminaire Lumens: 1706.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	108626	108626	108626
5°	112756	106075	103676
10°	109873	99503	95122
15°	103048	90920	86987
20°	90465	80939	79393
25°	73166	66494	69234
30°	50862	46317	55407
35°	31347	28375	41820
40°	17740	15908	27773
45°	8613	8218	18955
50°	3283	3283	16110
55°	1797	2122	14872
60°	1316	1688	12181
65°	1103	1440	9975
70°	962	1234	8223
75°	911	1271	7053
80°	537	1073	5114
85°	566	2139	4843



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.4	10.6
10°-20°	455.9	26.7
20°-30°	513.2	30.1
30°-40°	317.8	18.6
40°-50°	126.6	7.4
50°-60°	57.6	3.4
60°-70°	33.1	1.9
70°-80°	15.7	0.9
80°-90°	4.6	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°	1150.6	67.4
0°-40°	1468.4	86.1
0°-60°	1652.6	96.9
0°-90°	1706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1982	1982	1982	1982	1982	
5°	2049	2011	1928	1886	1884	193
15°	1816	1737	1602	1537	1533	502
25°	1210	1177	1099	1127	1145	544
35°	468	466	424	591	625	301
45°	111	111	106	231	244	94
55°	19	18	22	137	156	19
65°	8	8	11	76	77	8
75°	4	4	6	32	33	4
85°	1	1	3	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°	1981.5	1981.5	1981.5	1981.5	1981.5	1981.5	1981.5	1981.5	1981.5
2.5°	2026.8	2008.0	2003.7	1987.5	1960.1	1944.7	1935.3	1928.5	1940.5
5°	2049.0	2028.5	2011.4	1978.1	1927.6	1899.4	1885.8	1874.6	1884.0
7.5°	2032.8	2003.7	1980.6	1934.5	1870.4	1826.8	1808.0	1795.1	1803.7
10°	1973.8	1938.8	1912.3	1857.5	1787.5	1735.3	1712.2	1700.3	1708.8
12.5°	1896.9	1867.8	1827.6	1767.8	1692.6	1637.9	1620.8	1611.4	1614.8
15°	1815.7	1781.5	1737.0	1677.2	1602.0	1547.2	1537.0	1531.0	1532.7
17.5°	1697.7	1664.4	1625.9	1567.8	1498.5	1454.1	1454.1	1449.8	1452.4
20°	1550.7	1532.7	1495.1	1446.4	1387.4	1347.2	1360.0	1355.8	1360.9
22.5°	1391.7	1378.0	1345.5	1305.3	1255.7	1224.1	1252.3	1251.5	1258.3
25°	1209.6	1199.3	1177.1	1142.9	1099.3	1079.7	1126.7	1126.7	1144.6
27.5°	1008.7	998.4	983.1	954.0	918.1	912.1	981.3	989.9	1009.6
30°	803.5	796.7	788.2	761.7	731.7	742.8	838.6	853.1	875.3
32.5°	620.6	616.3	613.8	589.8	563.3	600.1	709.5	728.3	750.5
35°	468.4	459.0	465.9	447.9	424.0	470.2	590.7	606.9	624.9
37.5°	345.4	338.5	344.5	331.7	310.3	360.7	474.4	484.7	496.7
40°	247.9	241.9	247.0	239.4	222.3	269.3	371.9	383.0	388.1
42.5°	176.1	165.8	171.0	165.0	156.4	202.6	292.4	302.6	304.3
45°	111.1	107.7	111.1	107.7	106.0	150.5	230.8	240.2	244.5
47.5°	67.5	63.3	63.3	61.5	63.3	111.1	190.6	204.3	211.1
50°	38.5	36.8	35.9	35.0	38.5	87.2	165.0	180.4	188.9
52.5°	25.6	24.8	24.8	23.9	28.2	73.5	148.7	162.4	171.0
55°	18.8	18.0	18.0	18.0	22.2	63.3	136.8	147.9	155.6
57.5°	14.5	14.5	14.5	13.7	18.8	53.9	122.2	128.2	134.2
60°	12.0	11.1	11.1	11.1	15.4	46.2	105.1	107.7	111.1
62.5°	9.4	9.4	9.4	9.4	12.8	41.0	90.6	90.6	92.3
65°	8.5	7.7	7.7	7.7	11.1	35.9	76.1	75.2	76.9
67.5°	6.8	6.8	6.8	6.8	9.4	30.8	62.4	61.5	63.3
70°	6.0	6.0	6.0	6.0	7.7	25.6	50.4	49.6	51.3
72.5°	5.1	5.1	5.1	5.1	6.8	21.4	40.2	40.2	41.0
75°	4.3	4.3	4.3	4.3	6.0	16.2	32.5	32.5	33.3
77.5°	3.4	3.4	3.4	3.4	4.3	12.8	24.8	23.9	23.9
80°	1.7	2.6	2.6	2.6	3.4	9.4	18.0	16.2	16.2
82.5°	0.9	1.7	1.7	1.7	3.4	6.8	12.0	11.1	11.1
85°	0.9	0.9	0.9	2.6	3.4	5.1	7.7	7.7	7.7
87.5°	0.0	0.9	1.7	3.4	4.3	4.3	5.1	4.3	4.3
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)