

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: P799443

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799443
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 EU6209035 6LBMDSWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

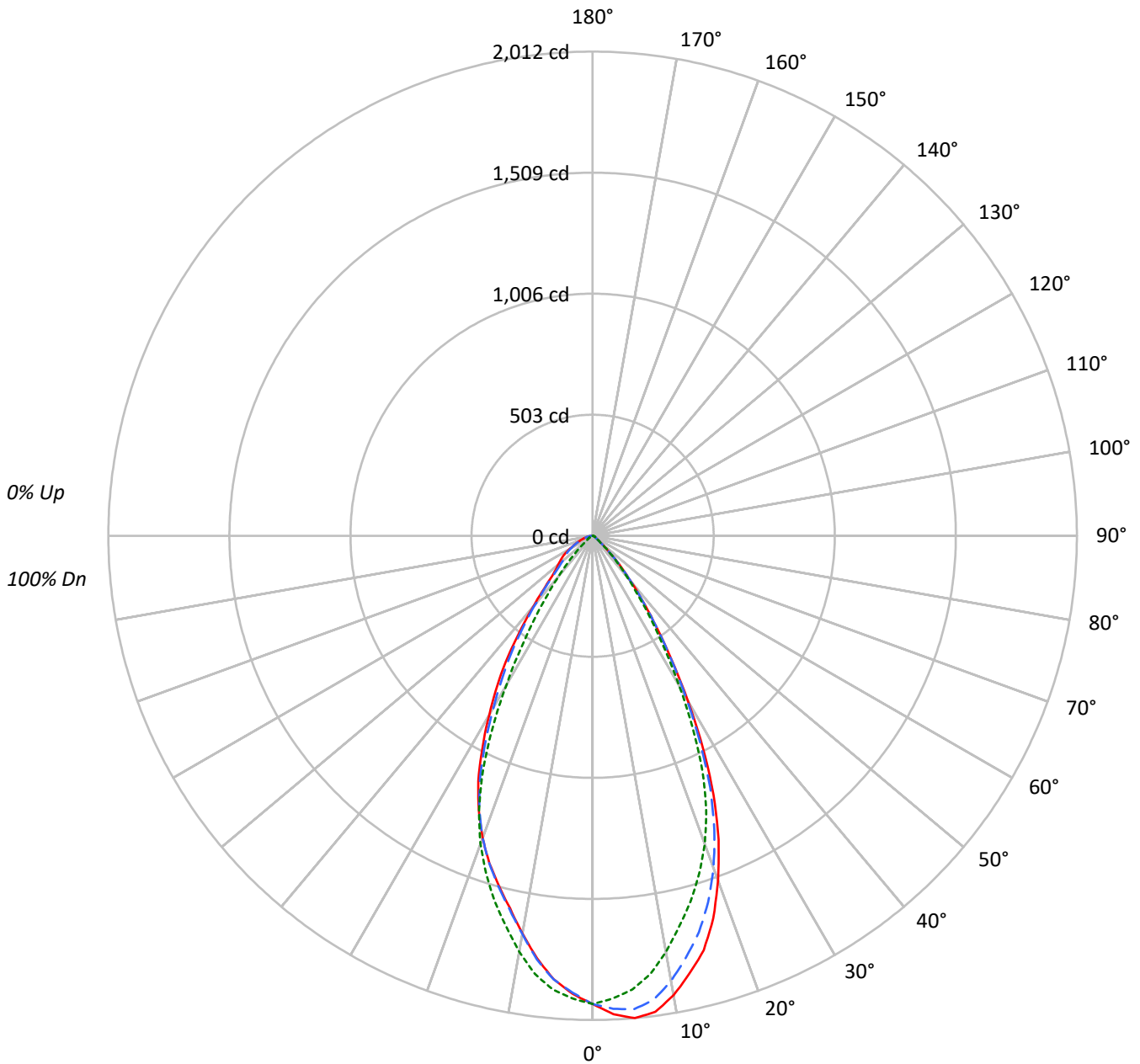
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	106653	106653	106653
5°	110708	104149	101794
10°	107875	97694	93396
15°	101175	89263	85409
20°	88820	79469	77952
25°	71835	65284	67976
30°	49938	45475	54401
35°	30778	27860	41057
40°	17418	15615	27265
45°	8458	8071	18607
50°	3224	3224	15820
55°	1768	2084	14604
60°	1294	1656	11962
65°	1090	1414	9794
70°	946	1218	8078
75°	890	1250	6926
80°	537	1073	5020
85°	503	2139	4780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	10.6
10°-20°	447.6	26.7
20°-30°	503.9	30.1
30°-40°	312.0	18.6
40°-50°	124.3	7.4
50°-60°	56.6	3.4
60°-70°	32.5	1.9
70°-80°	15.4	0.9
80°-90°	4.5	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°	1129.7	67.4
0°-40°	1441.7	86.1
0°-60°	1622.5	96.9
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1946	1946	1946	1946	1946	
5°	2012	1975	1893	1852	1850	189
15°	1783	1706	1573	1509	1505	493
25°	1188	1156	1079	1106	1124	534
35°	460	457	416	580	614	296
45°	109	109	104	227	240	92
55°	18	18	22	134	153	18
65°	8	8	11	75	76	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°	1945.5	1945.5	1945.5	1945.5	1945.5	1945.5	1945.5	1945.5	1945.5
2.5°	1990.0	1971.5	1967.3	1951.4	1924.5	1909.4	1900.2	1893.5	1905.2
5°	2011.8	1991.7	1974.9	1942.1	1892.6	1864.9	1851.5	1840.6	1849.8
7.5°	1995.8	1967.3	1944.7	1899.3	1836.4	1793.6	1775.1	1762.5	1770.9
10°	1937.9	1903.5	1877.5	1823.8	1755.0	1703.8	1681.1	1669.4	1677.8
12.5°	1862.4	1833.9	1794.4	1735.7	1661.8	1608.1	1591.3	1582.1	1585.4
15°	1782.7	1749.1	1705.5	1646.7	1572.8	1519.1	1509.1	1503.2	1504.9
17.5°	1666.8	1634.1	1596.3	1539.3	1471.3	1427.6	1427.6	1423.4	1426.0
20°	1522.5	1504.9	1467.9	1420.1	1362.2	1322.7	1335.3	1331.1	1336.2
22.5°	1366.4	1352.9	1321.1	1281.6	1232.9	1201.9	1229.6	1228.7	1235.4
25°	1187.6	1177.5	1155.7	1122.1	1079.3	1060.0	1106.2	1106.2	1123.8
27.5°	990.4	980.3	965.2	936.7	901.4	895.5	963.5	971.9	991.2
30°	788.9	782.2	773.8	747.8	718.4	729.3	823.4	837.6	859.4
32.5°	609.3	605.1	602.6	579.1	553.1	589.2	696.6	715.1	736.9
35°	459.9	450.7	457.4	439.8	416.3	461.6	580.0	595.9	613.5
37.5°	339.1	332.4	338.2	325.6	304.7	354.2	465.8	475.9	487.6
40°	243.4	237.5	242.6	235.0	218.2	264.4	365.1	376.0	381.0
42.5°	172.9	162.8	167.9	162.0	153.6	198.9	287.0	297.1	298.8
45°	109.1	105.8	109.1	105.8	104.1	147.7	226.6	235.8	240.0
47.5°	66.3	62.1	62.1	60.4	62.1	109.1	187.2	200.6	207.3
50°	37.8	36.1	35.3	34.4	37.8	85.6	162.0	177.1	185.5
52.5°	25.2	24.3	24.3	23.5	27.7	72.2	146.0	159.5	167.9
55°	18.5	17.6	17.6	17.6	21.8	62.1	134.3	145.2	152.8
57.5°	14.3	14.3	14.3	13.4	18.5	52.9	120.0	125.9	131.8
60°	11.8	10.9	10.9	10.9	15.1	45.3	103.2	105.8	109.1
62.5°	9.2	9.2	9.2	9.2	12.6	40.3	89.0	89.0	90.6
65°	8.4	7.6	7.6	7.6	10.9	35.3	74.7	73.9	75.5
67.5°	6.7	6.7	6.7	6.7	9.2	30.2	61.3	60.4	62.1
70°	5.9	5.9	5.9	5.9	7.6	25.2	49.5	48.7	50.4
72.5°	5.0	5.0	5.0	5.0	6.7	21.0	39.4	39.4	40.3
75°	4.2	4.2	4.2	4.2	5.9	15.9	31.9	31.9	32.7
77.5°	3.4	3.4	3.4	3.4	4.2	12.6	24.3	23.5	23.5
80°	1.7	2.5	2.5	2.5	3.4	9.2	17.6	15.9	15.9
82.5°	0.8	1.7	1.7	1.7	3.4	6.7	11.8	10.9	10.9
85°	0.8	0.8	0.8	2.5	3.4	5.0	7.6	7.6	7.6
87.5°	0.0	0.8	1.7	3.4	4.2	4.2	5.0	4.2	4.2
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)