

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: P799445

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDSWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799445
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 6LBMDSWMW
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

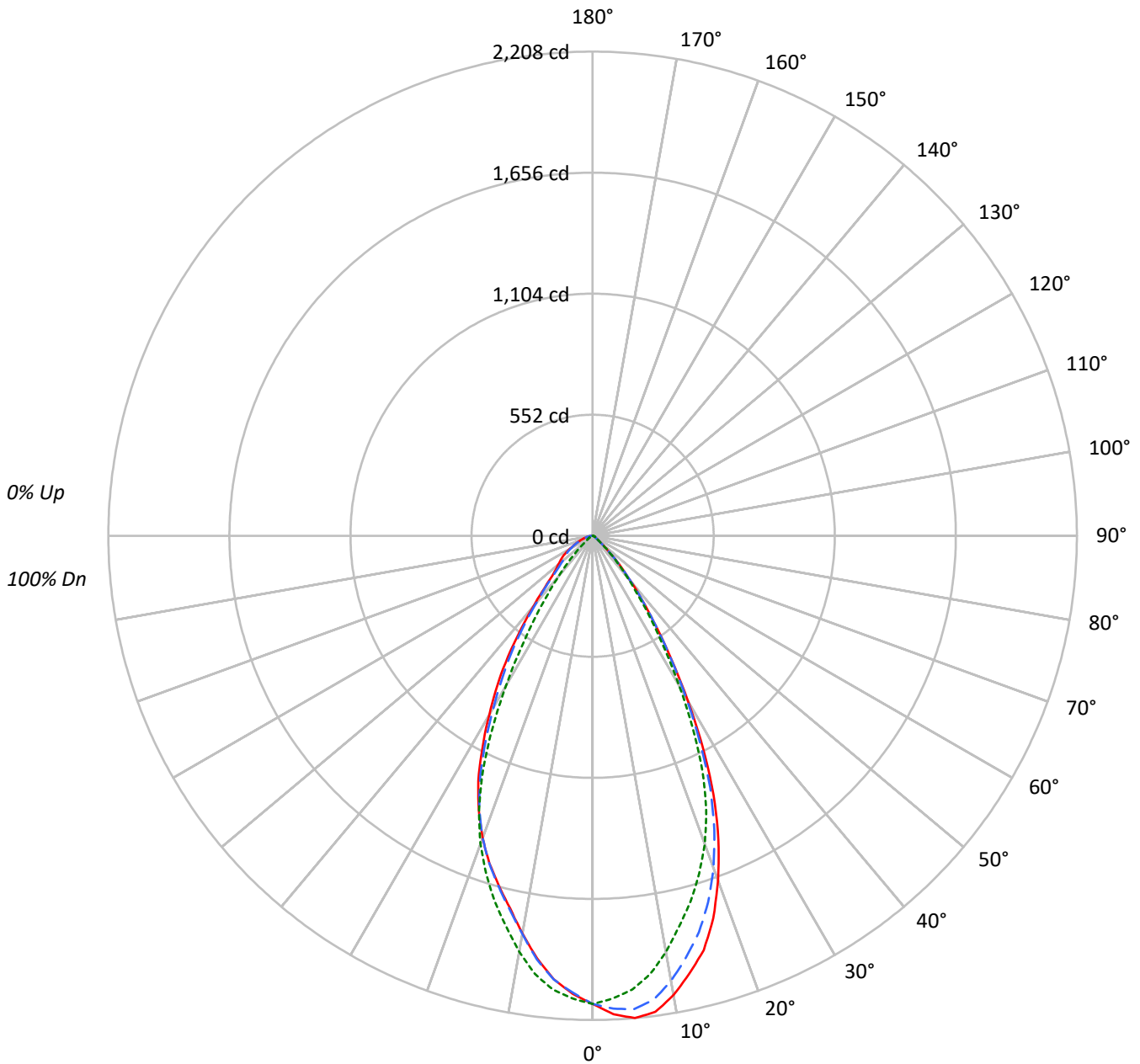
Lumens per Lamp: N/A
Luminaire Lumens: 1838.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	117030	117030	117030
5°	121483	114285	111699
10°	118373	107201	102481
15°	111017	97952	93718
20°	97460	87198	85536
25°	78827	71641	74593
30°	54800	49906	59699
35°	33776	30570	45053
40°	19114	17139	29920
45°	9280	8854	20421
50°	3531	3531	17356
55°	1940	2284	16019
60°	1414	1820	13124
65°	1193	1557	10753
70°	1026	1330	8864
75°	974	1356	7604
80°	568	1168	5525
85°	566	2327	5221



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	10.6
10°-20°	491.2	26.7
20°-30°	553.0	30.1
30°-40°	342.4	18.6
40°-50°	136.4	7.4
50°-60°	62.1	3.4
60°-70°	35.7	1.9
70°-80°	16.9	0.9
80°-90°	4.9	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°	1239.6	67.4
0°-40°	1582.0	86.1
0°-60°	1780.4	96.9
0°-90°	1838.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1838.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2135	2135	2135	2135	2135	
5°	2208	2167	2077	2032	2030	208
15°	1956	1871	1726	1656	1651	541
25°	1303	1268	1184	1214	1233	586
35°	505	502	457	636	673	324
45°	120	120	114	249	263	101
55°	20	19	24	147	168	20
65°	9	8	12	82	83	9
75°	5	5	6	35	36	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°	2134.8	2134.8	2134.8	2134.8	2134.8	2134.8	2134.8	2134.8	2134.8
2.5°	2183.6	2163.4	2158.8	2141.3	2111.8	2095.2	2085.1	2077.7	2090.6
5°	2207.6	2185.5	2167.0	2131.1	2076.8	2046.4	2031.7	2019.7	2029.8
7.5°	2190.1	2158.8	2133.9	2084.2	2015.1	1968.1	1947.9	1934.0	1943.3
10°	2126.5	2088.8	2060.2	2001.3	1925.8	1869.6	1844.7	1831.8	1841.0
12.5°	2043.6	2012.3	1969.0	1904.6	1823.5	1764.6	1746.2	1736.0	1739.7
15°	1956.1	1919.3	1871.4	1806.9	1725.9	1667.0	1655.9	1649.5	1651.3
17.5°	1829.1	1793.1	1751.7	1689.1	1614.5	1566.6	1566.6	1562.0	1564.7
20°	1670.6	1651.3	1610.8	1558.3	1494.7	1451.5	1465.3	1460.7	1466.2
22.5°	1499.3	1484.6	1449.6	1406.3	1352.9	1318.8	1349.2	1348.3	1355.7
25°	1303.2	1292.1	1268.2	1231.3	1184.4	1163.2	1213.8	1213.8	1233.2
27.5°	1086.7	1075.7	1059.1	1027.8	989.1	982.7	1057.3	1066.5	1087.7
30°	865.7	858.3	849.1	820.6	788.4	800.3	903.5	919.1	943.1
32.5°	668.6	664.0	661.3	635.5	606.9	646.5	764.4	784.7	808.6
35°	504.7	494.6	501.9	482.6	456.8	506.5	636.4	653.9	673.2
37.5°	372.1	364.7	371.2	357.3	334.3	388.7	511.1	522.2	535.1
40°	267.1	260.6	266.2	257.9	239.5	290.1	400.6	412.6	418.1
42.5°	189.7	178.7	184.2	177.7	168.5	218.3	315.0	326.0	327.9
45°	119.7	116.0	119.7	116.0	114.2	162.1	248.7	258.8	263.4
47.5°	72.8	68.2	68.2	66.3	68.2	119.7	205.4	220.1	227.5
50°	41.4	39.6	38.7	37.8	41.4	93.9	177.7	194.3	203.5
52.5°	27.6	26.7	26.7	25.8	30.4	79.2	160.2	175.0	184.2
55°	20.3	19.3	19.3	19.3	23.9	68.2	147.4	159.3	167.6
57.5°	15.7	15.7	15.7	14.7	20.3	58.0	131.7	138.1	144.6
60°	12.9	12.0	12.0	12.0	16.6	49.7	113.3	116.0	119.7
62.5°	10.1	10.1	10.1	10.1	13.8	44.2	97.6	97.6	99.5
65°	9.2	8.3	8.3	8.3	12.0	38.7	82.0	81.0	82.9
67.5°	7.4	7.4	7.4	7.4	10.1	33.2	67.2	66.3	68.2
70°	6.4	6.4	6.4	6.4	8.3	27.6	54.3	53.4	55.3
72.5°	5.5	5.5	5.5	5.5	7.4	23.0	43.3	43.3	44.2
75°	4.6	4.6	4.6	4.6	6.4	17.5	35.0	35.0	35.9
77.5°	3.7	3.7	3.7	3.7	4.6	13.8	26.7	25.8	25.8
80°	1.8	2.8	2.8	2.8	3.7	10.1	19.3	17.5	17.5
82.5°	0.9	1.8	1.8	1.8	3.7	7.4	12.9	12.0	12.0
85°	0.9	0.9	0.9	2.8	3.7	5.5	8.3	8.3	8.3
87.5°	0.0	0.9	1.8	3.7	4.6	4.6	5.5	4.6	4.6
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)