

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: P799417

Luminaire Tested: **LD6C20D010 EU6209027 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20D010 EU6209027 6LBMDDWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

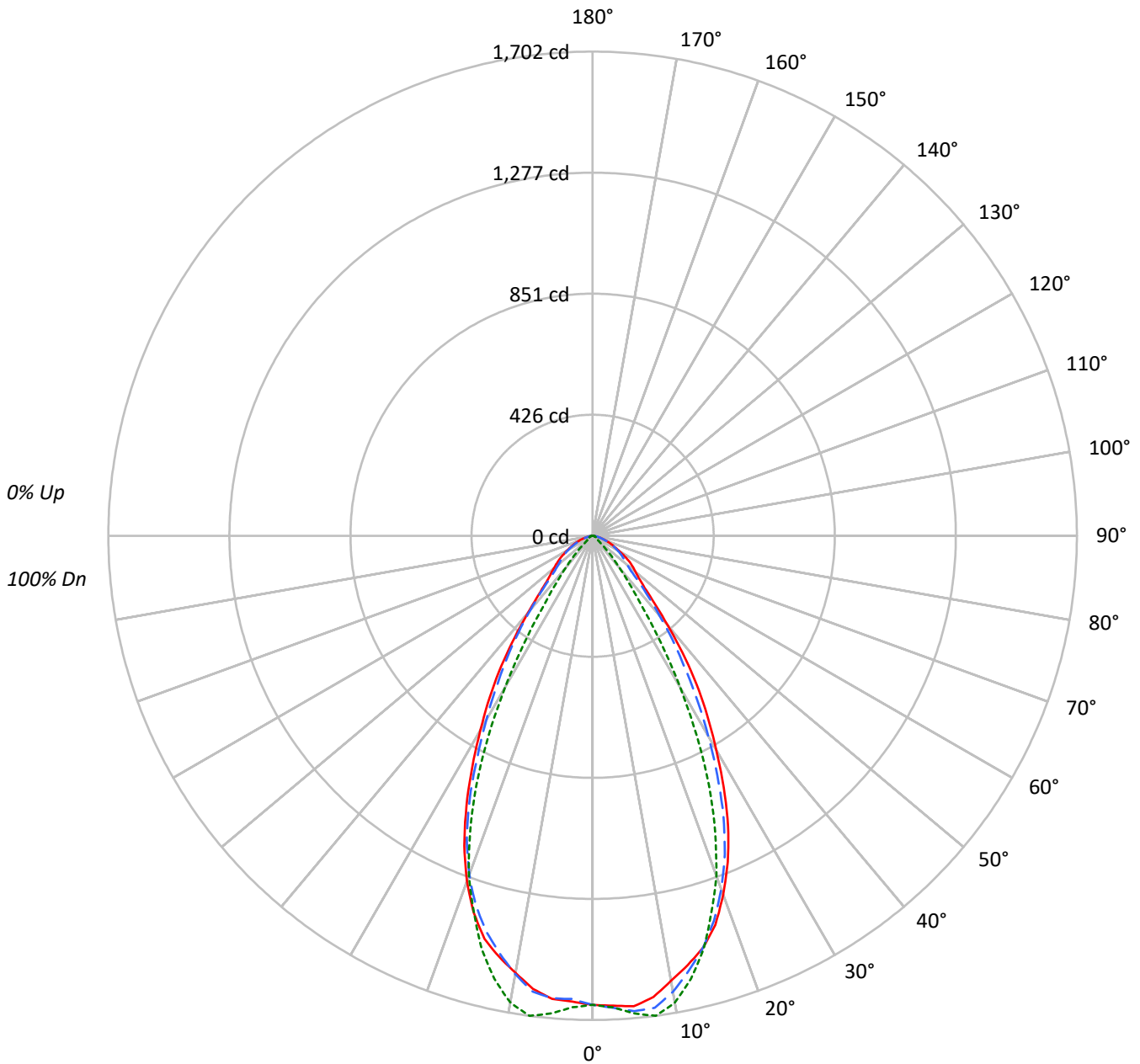
Lumens per Lamp: N/A
Luminaire Lumens: 1679.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	90409	90409	90409
5°	91355	92741	89924
10°	88397	92739	86855
15°	85080	85409	83269
20°	78302	74189	75367
25°	68145	58503	63475
30°	54958	38873	49862
35°	42610	20043	37443
40°	29233	10384	25212
45°	20033	5202	17692
50°	16673	2217	15164
55°	14996	1921	13553
60°	11863	1842	11315
65°	9794	1634	9690
70°	7934	1475	7934
75°	5867	1589	6227
80°	3441	1326	3694
85°	2642	1572	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	9.4
10°-20°	412.0	24.5
20°-30°	470.3	28.0
30°-40°	311.9	18.6
40°-50°	150.4	9.0
50°-60°	92.5	5.5
60°-70°	56.0	3.3
70°-80°	23.6	1.4
80°-90°	5.2	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°	1039.4	61.9
0°-40°	1351.3	80.5
0°-60°	1594.2	95.0
0°-90°	1679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1649	1649	1649	1649	1649	
5°	1660	1678	1685	1632	1634	156
15°	1499	1499	1505	1441	1467	418
25°	1127	1089	967	1023	1049	511
35°	637	561	300	524	560	394
45°	258	226	67	211	228	211
55°	157	128	20	128	142	138
65°	76	72	13	68	75	76
75°	28	28	8	26	29	30
85°	4	6	2	4	4	5
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°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1653.4	1655.9	1661.0	1661.8	1659.3	1643.3	1629.9	1635.0	1639.2
5°	1660.1	1665.2	1677.7	1689.5	1685.3	1658.4	1631.6	1630.8	1634.1
7.5°	1635.8	1647.5	1673.5	1702.9	1702.1	1655.9	1616.5	1606.4	1606.4
10°	1588.0	1598.9	1627.4	1666.8	1666.0	1608.1	1564.5	1559.5	1560.3
12.5°	1545.2	1550.2	1564.5	1595.5	1595.5	1538.5	1504.9	1510.0	1516.7
15°	1499.1	1502.4	1499.1	1509.1	1504.9	1458.0	1441.2	1457.1	1467.2
17.5°	1433.6	1435.3	1417.7	1404.3	1388.3	1359.0	1363.2	1386.7	1389.2
20°	1342.2	1353.1	1321.2	1286.8	1271.7	1244.0	1267.5	1293.5	1291.9
22.5°	1241.5	1254.1	1213.0	1156.0	1124.9	1114.0	1156.0	1179.5	1178.6
25°	1126.6	1135.8	1088.9	1009.2	967.2	965.5	1023.4	1047.8	1049.4
27.5°	997.4	1000.8	947.9	843.9	791.9	804.5	877.5	911.0	915.2
30°	868.2	866.6	812.0	682.8	614.1	648.4	746.6	783.5	787.7
32.5°	750.0	744.9	682.8	528.5	446.3	497.5	626.6	665.2	671.9
35°	636.7	628.3	561.2	390.9	299.5	375.8	523.5	557.0	559.5
37.5°	518.4	514.2	461.4	292.8	208.9	285.2	427.0	451.3	448.8
40°	408.5	408.5	364.9	217.3	145.1	212.2	338.1	359.9	352.3
42.5°	320.4	324.6	287.7	160.2	103.2	157.7	267.6	287.7	279.3
45°	258.4	258.4	226.5	119.1	67.1	117.4	211.4	229.9	228.2
47.5°	218.9	215.6	183.7	87.2	36.9	88.1	177.8	200.5	199.7
50°	195.5	190.4	157.7	68.8	26.0	73.0	156.0	177.0	177.8
52.5°	177.0	169.5	141.8	61.2	22.6	63.8	141.8	158.5	158.5
55°	156.9	152.7	127.5	54.5	20.1	57.0	127.5	142.6	141.8
57.5°	132.5	131.7	114.1	49.5	18.5	50.3	114.1	123.3	120.0
60°	108.2	111.6	99.0	44.5	16.8	45.3	97.3	104.9	103.2
62.5°	90.6	94.8	86.4	39.4	14.3	40.3	82.2	89.8	88.1
65°	75.5	78.9	72.1	33.6	12.6	33.6	67.9	74.7	74.7
67.5°	62.1	64.6	59.6	27.7	10.9	27.7	55.4	61.2	62.1
70°	49.5	51.2	47.0	21.8	9.2	22.6	43.6	49.5	49.5
72.5°	38.6	39.4	36.9	17.6	8.4	17.6	33.6	38.6	38.6
75°	27.7	29.4	27.7	13.4	7.5	13.4	26.0	28.5	29.4
77.5°	15.9	20.1	20.1	10.9	5.9	10.1	18.5	19.3	19.3
80°	10.9	12.6	14.3	7.5	4.2	7.5	11.7	12.6	11.7
82.5°	7.5	8.4	8.4	5.0	3.4	5.0	7.5	8.4	7.5
85°	4.2	5.9	5.9	4.2	2.5	3.4	4.2	5.0	4.2
87.5°	2.5	3.4	4.2	3.4	2.5	2.5	2.5	2.5	1.7
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)