

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: P799438

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799438
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 EU6209035 6LBMDDWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

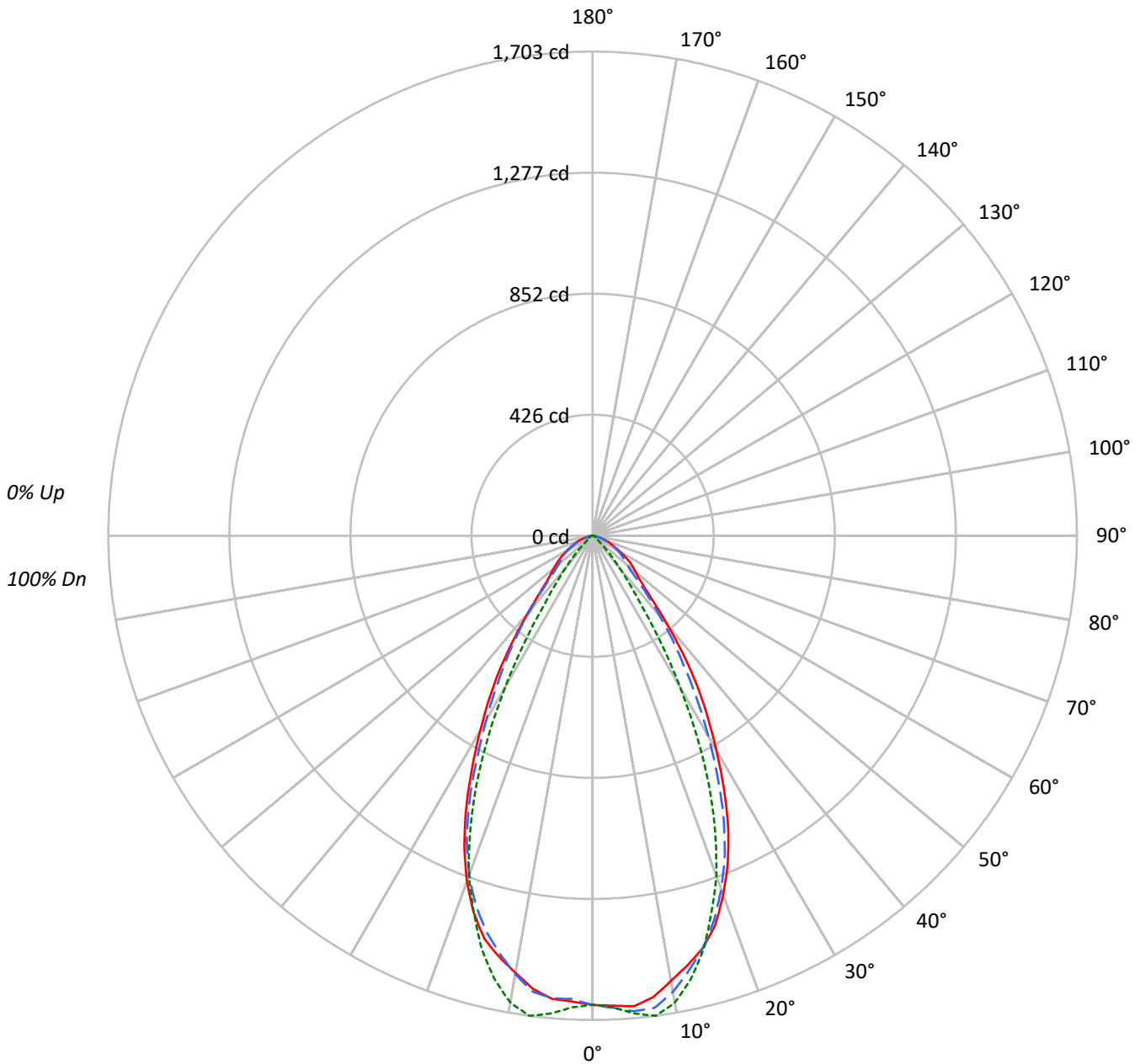
Lumens per Lamp: N/A
Luminaire Lumens: 1680.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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°	90464	90464	90464
5°	91410	92796	89979
10°	88447	92795	86906
15°	85131	85460	83321
20°	78348	74236	75408
25°	68187	58540	63518
30°	54989	38892	49894
35°	42637	20057	37470
40°	29255	10391	25226
45°	20041	5202	17700
50°	16682	2217	15172
55°	15005	1921	13562
60°	11874	1842	11315
65°	9794	1634	9690
70°	7934	1475	7934
75°	5867	1610	6227
80°	3441	1326	3725
85°	2642	1572	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	9.4
10°-20°	412.3	24.5
20°-30°	470.6	28.0
30°-40°	312.1	18.6
40°-50°	150.5	9.0
50°-60°	92.6	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°	1040.0	61.9
0°-40°	1352.1	80.5
0°-60°	1595.2	95.0
0°-90°	1680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1650	1650	1650	1650	1650	
5°	1661	1679	1686	1633	1635	156
15°	1500	1500	1506	1442	1468	418
25°	1127	1090	968	1024	1050	511
35°	637	562	300	524	560	394
45°	258	227	67	212	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°	1650.2	1650.2	1650.2	1650.2	1650.2	1650.2	1650.2	1650.2	1650.2
2.5°	1654.4	1656.9	1662.0	1662.8	1660.3	1644.3	1630.9	1635.9	1640.1
5°	1661.1	1666.2	1678.7	1690.5	1686.3	1659.4	1632.6	1631.7	1635.1
7.5°	1636.8	1648.5	1674.5	1703.9	1703.1	1656.9	1617.5	1607.4	1607.4
10°	1588.9	1599.8	1628.4	1667.8	1667.0	1609.1	1565.4	1560.4	1561.2
12.5°	1546.1	1551.2	1565.4	1596.5	1596.5	1539.4	1505.8	1510.9	1517.6
15°	1500.0	1503.3	1500.0	1510.0	1505.8	1458.8	1442.0	1458.0	1468.1
17.5°	1434.5	1436.2	1418.5	1405.1	1389.2	1359.8	1364.0	1387.5	1390.0
20°	1343.0	1353.9	1322.0	1287.6	1272.5	1244.8	1268.3	1294.3	1292.6
22.5°	1242.3	1254.9	1213.7	1156.7	1125.6	1114.7	1156.7	1180.2	1179.3
25°	1127.3	1136.5	1089.5	1009.8	967.8	966.1	1024.0	1048.4	1050.1
27.5°	998.0	1001.4	948.5	844.4	792.4	805.0	878.0	911.6	915.8
30°	868.7	867.1	812.5	683.2	614.4	648.8	747.0	784.0	788.2
32.5°	750.4	745.4	683.2	528.8	446.5	497.7	627.0	665.6	672.3
35°	637.1	628.7	561.5	391.1	299.7	376.0	523.8	557.3	559.9
37.5°	518.7	514.5	461.7	292.9	209.0	285.4	427.2	451.6	449.1
40°	408.8	408.8	365.1	217.4	145.2	212.4	338.3	360.1	352.5
42.5°	320.6	324.8	287.9	160.3	103.2	157.8	267.8	287.9	279.5
45°	258.5	258.5	226.6	119.2	67.1	117.5	211.5	230.0	228.3
47.5°	219.1	215.7	183.8	87.3	36.9	88.1	177.9	200.6	199.8
50°	195.6	190.5	157.8	68.8	26.0	73.0	156.1	177.1	177.9
52.5°	177.1	169.6	141.9	61.3	22.7	63.8	141.9	158.6	158.6
55°	157.0	152.8	127.6	54.6	20.1	57.1	127.6	142.7	141.9
57.5°	132.6	131.8	114.2	49.5	18.5	50.4	114.2	123.4	120.0
60°	108.3	111.6	99.0	44.5	16.8	45.3	97.4	104.9	103.2
62.5°	90.7	94.8	86.5	39.5	14.3	40.3	82.3	89.8	88.1
65°	75.5	78.9	72.2	33.6	12.6	33.6	68.0	74.7	74.7
67.5°	62.1	64.6	59.6	27.7	10.9	27.7	55.4	61.3	62.1
70°	49.5	51.2	47.0	21.8	9.2	22.7	43.6	49.5	49.5
72.5°	38.6	39.5	36.9	17.6	8.4	17.6	33.6	38.6	38.6
75°	27.7	29.4	27.7	13.4	7.6	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	7.6	4.2	7.6	11.8	12.6	11.8
82.5°	7.6	8.4	8.4	5.0	3.4	5.0	7.6	8.4	7.6
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)