

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: P799462

Luminaire Tested: **LD6C20D010 EU6209050 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799462
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 EU6209050 6LBMDDWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

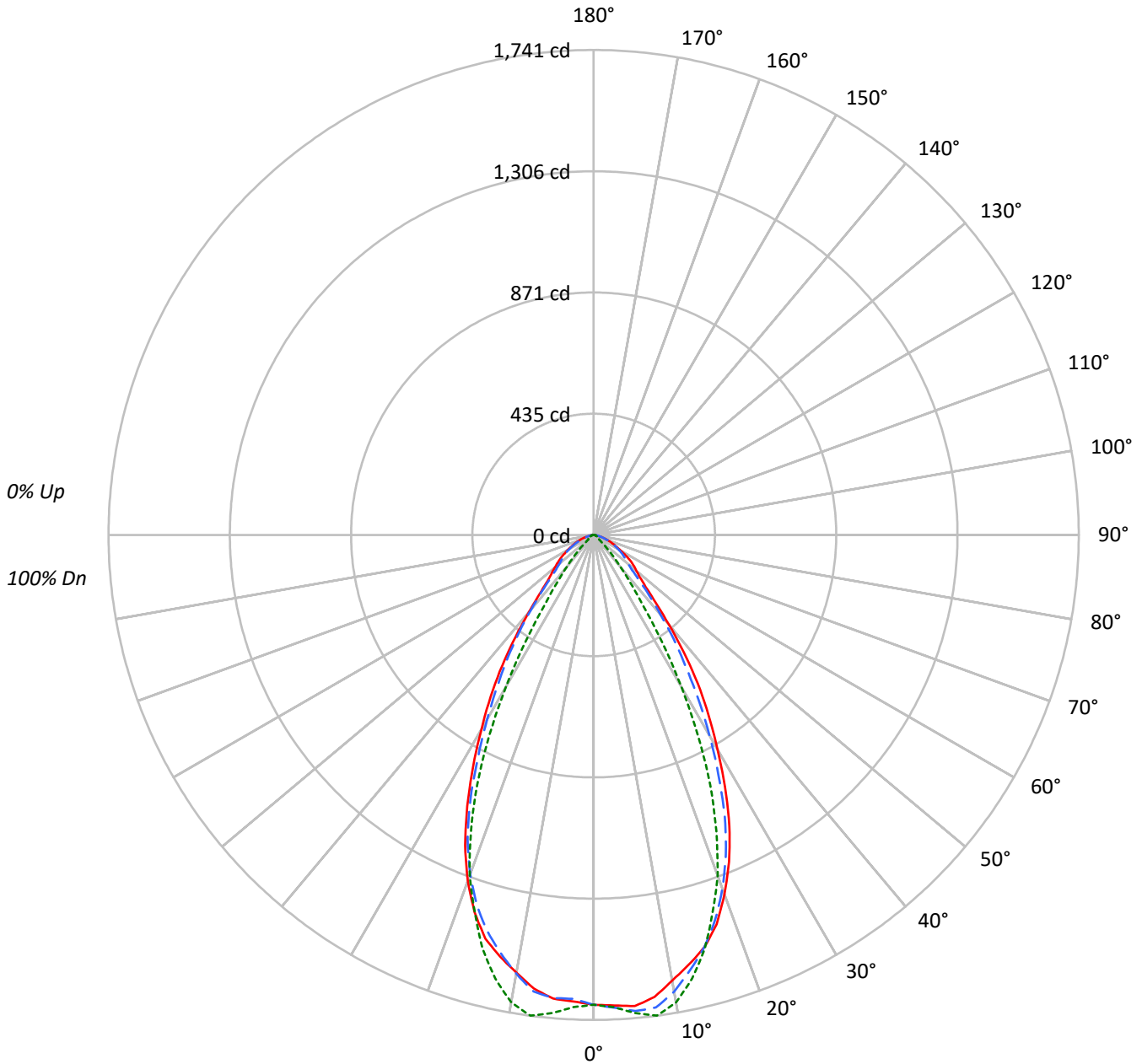
Lumens per Lamp: N/A
Luminaire Lumens: 1717.0 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	92454	92454	92454
5°	93424	94838	91960
10°	90396	94838	88820
15°	87004	87344	85154
20°	80075	75869	77071
25°	69687	59828	64915
30°	56205	39753	50989
35°	43574	20499	38293
40°	29899	10620	25784
45°	20483	5318	18087
50°	17048	2269	15513
55°	15330	1969	13859
60°	12137	1886	11567
65°	10014	1673	9897
70°	8110	1507	8110
75°	5994	1631	6354
80°	3536	1357	3788
85°	2705	1635	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.5	9.4
10°-20°	421.4	24.5
20°-30°	481.0	28.0
30°-40°	319.0	18.6
40°-50°	153.8	9.0
50°-60°	94.6	5.5
60°-70°	57.3	3.3
70°-80°	24.1	1.4
80°-90°	5.3	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°	1062.9	61.9
0°-40°	1381.8	80.5
0°-60°	1630.3	95.0
0°-90°	1717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1717.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1686	1686	1686	1686	1686	
5°	1698	1716	1723	1668	1671	160
15°	1533	1533	1539	1474	1500	427
25°	1152	1114	989	1047	1073	522
35°	651	574	306	535	572	403
45°	264	232	69	216	233	215
55°	160	130	21	130	145	141
65°	77	74	13	70	76	78
75°	28	28	8	27	30	30
85°	4	6	3	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°	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5	1686.5
2.5°	1690.8	1693.4	1698.6	1699.4	1696.8	1680.5	1666.8	1672.0	1676.3
5°	1697.7	1702.8	1715.7	1727.7	1723.4	1696.0	1668.5	1667.7	1671.1
7.5°	1672.8	1684.8	1711.4	1741.5	1740.6	1693.4	1653.1	1642.8	1642.8
10°	1623.9	1635.1	1664.2	1704.6	1703.7	1644.5	1599.9	1594.8	1595.6
12.5°	1580.2	1585.3	1599.9	1631.6	1631.6	1573.3	1539.0	1544.1	1551.0
15°	1533.0	1536.4	1533.0	1543.3	1539.0	1491.0	1473.8	1490.1	1500.4
17.5°	1466.1	1467.8	1449.8	1436.1	1419.8	1389.7	1394.0	1418.0	1420.6
20°	1372.6	1383.7	1351.1	1316.0	1300.5	1272.2	1296.2	1322.8	1321.1
22.5°	1269.6	1282.5	1240.5	1182.1	1150.4	1139.2	1182.1	1206.1	1205.3
25°	1152.1	1161.5	1113.5	1032.0	989.1	987.4	1046.6	1071.5	1073.2
27.5°	1020.0	1023.4	969.4	863.0	809.8	822.7	897.3	931.6	935.9
30°	887.9	886.2	830.4	698.3	628.0	663.1	763.5	801.2	805.5
32.5°	766.9	761.8	698.3	540.5	456.4	508.7	640.8	680.3	687.1
35°	651.1	642.5	573.9	399.8	306.3	384.3	535.3	569.6	572.2
37.5°	530.2	525.9	471.8	299.4	213.6	291.7	436.6	461.5	459.0
40°	417.8	417.8	373.2	222.2	148.4	217.0	345.7	368.0	360.3
42.5°	327.7	332.0	294.2	163.9	105.5	161.3	273.7	294.2	285.7
45°	264.2	264.2	231.6	121.8	68.6	120.1	216.2	235.1	233.3
47.5°	223.9	220.5	187.9	89.2	37.7	90.1	181.9	205.0	204.2
50°	199.9	194.7	161.3	70.3	26.6	74.6	159.6	181.0	181.9
52.5°	181.0	173.3	145.0	62.6	23.2	65.2	145.0	162.1	162.1
55°	160.4	156.1	130.4	55.8	20.6	58.3	130.4	145.8	145.0
57.5°	135.5	134.7	116.7	50.6	18.9	51.5	116.7	126.1	122.7
60°	110.7	114.1	101.2	45.5	17.2	46.3	99.5	107.2	105.5
62.5°	92.6	96.9	88.4	40.3	14.6	41.2	84.1	91.8	90.1
65°	77.2	80.6	73.8	34.3	12.9	34.3	69.5	76.3	76.3
67.5°	63.5	66.1	60.9	28.3	11.2	28.3	56.6	62.6	63.5
70°	50.6	52.3	48.0	22.3	9.4	23.2	44.6	50.6	50.6
72.5°	39.5	40.3	37.7	18.0	8.6	18.0	34.3	39.5	39.5
75°	28.3	30.0	28.3	13.7	7.7	13.7	26.6	29.2	30.0
77.5°	16.3	20.6	20.6	11.2	6.0	10.3	18.9	19.7	19.7
80°	11.2	12.9	14.6	7.7	4.3	7.7	12.0	12.9	12.0
82.5°	7.7	8.6	8.6	5.1	3.4	5.1	7.7	8.6	7.7
85°	4.3	6.0	6.0	4.3	2.6	3.4	4.3	5.1	4.3
87.5°	2.6	3.4	4.3	3.4	2.6	2.6	2.6	2.6	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)