

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: P799426

Luminaire Tested: **LD6C20D010 EU6209030 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799426
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 EU6209030 6LBMDDWLI
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

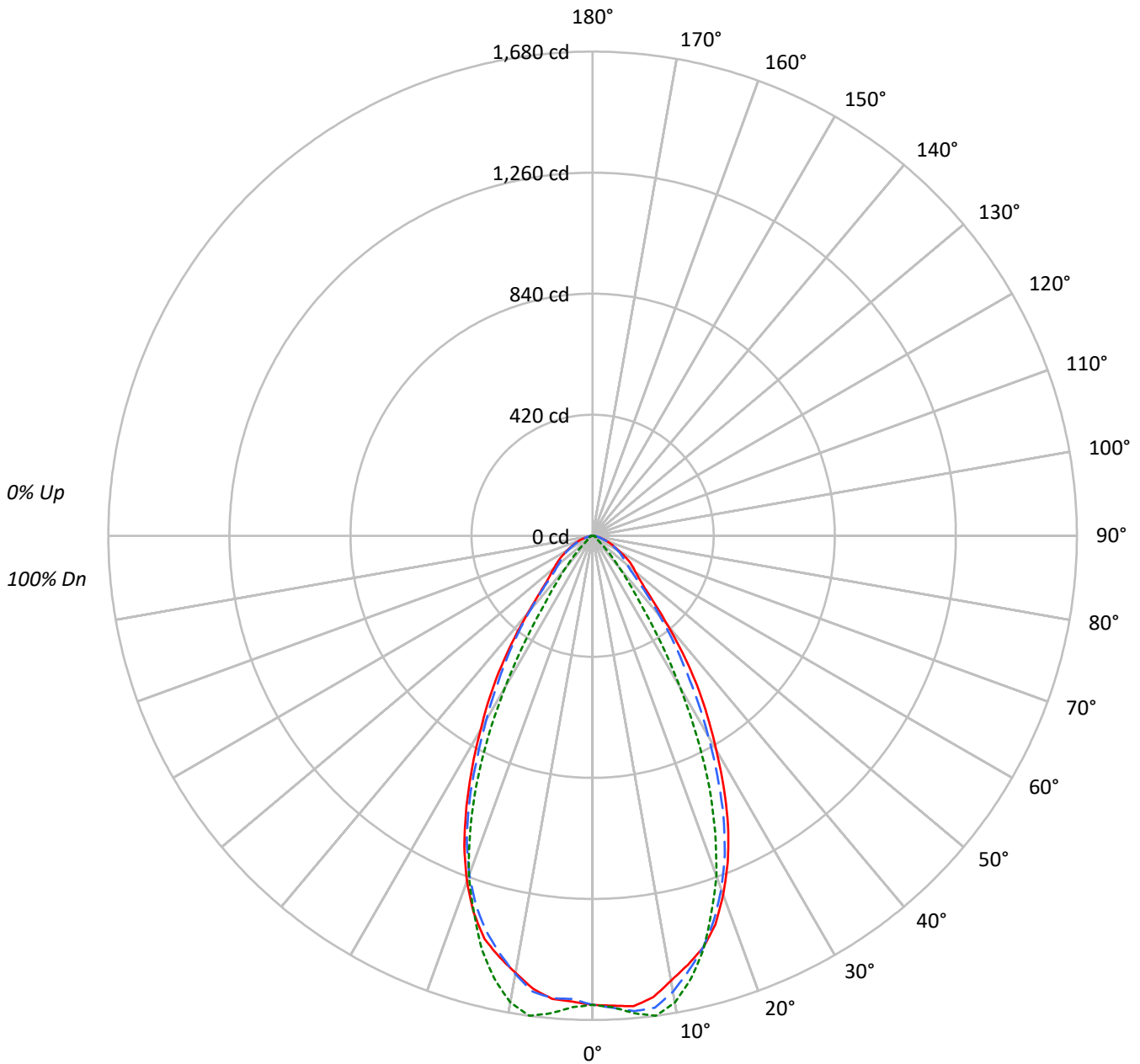
Lumens per Lamp: N/A
Luminaire Lumens: 1657.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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				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°	89225	89225	89225
5°	90160	91525	88746
10°	87240	91526	85720
15°	83962	84291	82180
20°	77275	73221	74376
25°	67250	57735	62647
30°	54243	38360	49210
35°	42054	19782	36955
40°	28854	10248	24882
45°	19769	5132	17459
50°	16451	2192	14968
55°	14795	1902	13371
60°	11710	1820	11161
65°	9664	1608	9560
70°	7822	1459	7822
75°	5782	1589	6142
80°	3410	1294	3662
85°	2579	1572	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.9	9.4
10°-20°	406.6	24.5
20°-30°	464.2	28.0
30°-40°	307.8	18.6
40°-50°	148.5	9.0
50°-60°	91.3	5.5
60°-70°	55.3	3.3
70°-80°	23.2	1.4
80°-90°	5.1	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°	1025.7	61.9
0°-40°	1333.6	80.5
0°-60°	1573.4	95.0
0°-90°	1657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1657.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1628	1628	1628	1628	1628	
5°	1638	1656	1663	1610	1613	154
15°	1479	1479	1485	1422	1448	412
25°	1112	1075	954	1010	1036	504
35°	628	554	296	517	552	389
45°	255	224	66	209	225	208
55°	155	126	20	126	140	136
65°	74	71	12	67	74	75
75°	27	27	8	26	29	29
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°	1627.6	1627.6	1627.6	1627.6	1627.6	1627.6	1627.6	1627.6	1627.6
2.5°	1631.8	1634.2	1639.2	1640.0	1637.5	1621.8	1608.6	1613.5	1617.7
5°	1638.4	1643.3	1655.8	1667.3	1663.2	1636.7	1610.2	1609.4	1612.7
7.5°	1614.4	1626.0	1651.6	1680.6	1679.8	1634.2	1595.3	1585.4	1585.4
10°	1567.2	1577.9	1606.1	1645.0	1644.2	1587.0	1544.0	1539.0	1539.9
12.5°	1525.0	1529.9	1544.0	1574.6	1574.6	1518.3	1485.2	1490.2	1496.8
15°	1479.4	1482.7	1479.4	1489.4	1485.2	1438.9	1422.3	1438.0	1448.0
17.5°	1414.8	1416.5	1399.1	1385.9	1370.1	1341.2	1345.3	1368.5	1371.0
20°	1324.6	1335.4	1303.9	1270.0	1255.1	1227.7	1250.9	1276.6	1274.9
22.5°	1225.3	1237.7	1197.1	1140.8	1110.2	1099.4	1140.8	1164.0	1163.2
25°	1111.8	1120.9	1074.6	995.9	954.5	952.9	1010.0	1034.0	1035.7
27.5°	984.3	987.7	935.5	832.8	781.5	793.9	866.0	899.1	903.2
30°	856.9	855.2	801.4	673.9	606.0	640.0	736.8	773.2	777.4
32.5°	740.1	735.2	673.9	521.6	440.4	490.9	618.4	656.5	663.1
35°	628.4	620.1	553.9	385.8	295.6	370.9	516.6	549.7	552.2
37.5°	511.6	507.5	455.3	288.9	206.1	281.5	421.4	445.4	442.9
40°	403.2	403.2	360.1	214.4	143.2	209.5	333.6	355.2	347.7
42.5°	316.3	320.4	284.0	158.1	101.8	155.6	264.1	284.0	275.7
45°	255.0	255.0	223.5	117.6	66.2	115.9	208.6	226.8	225.2
47.5°	216.1	212.8	181.3	86.1	36.4	86.9	175.5	197.9	197.0
50°	192.9	187.9	155.6	67.9	25.7	72.0	154.0	174.7	175.5
52.5°	174.7	167.2	139.9	60.4	22.4	62.9	139.9	156.5	156.5
55°	154.8	150.7	125.8	53.8	19.9	56.3	125.8	140.7	139.9
57.5°	130.8	130.0	112.6	48.8	18.2	49.7	112.6	121.7	118.4
60°	106.8	110.1	97.7	43.9	16.6	44.7	96.0	103.5	101.8
62.5°	89.4	93.6	85.3	38.9	14.1	39.7	81.1	88.6	86.9
65°	74.5	77.8	71.2	33.1	12.4	33.1	67.1	73.7	73.7
67.5°	61.3	63.7	58.8	27.3	10.8	27.3	54.6	60.4	61.3
70°	48.8	50.5	46.4	21.5	9.1	22.4	43.0	48.8	48.8
72.5°	38.1	38.9	36.4	17.4	8.3	17.4	33.1	38.1	38.1
75°	27.3	29.0	27.3	13.2	7.5	13.2	25.7	28.1	29.0
77.5°	15.7	19.9	19.9	10.8	5.8	9.9	18.2	19.0	19.0
80°	10.8	12.4	14.1	7.5	4.1	7.5	11.6	12.4	11.6
82.5°	7.5	8.3	8.3	5.0	3.3	5.0	7.5	8.3	7.5
85°	4.1	5.8	5.8	4.1	2.5	3.3	4.1	5.0	4.1
87.5°	2.5	3.3	4.1	3.3	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)