

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: P799449

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799449
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 EU6209040 6LBMDDWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

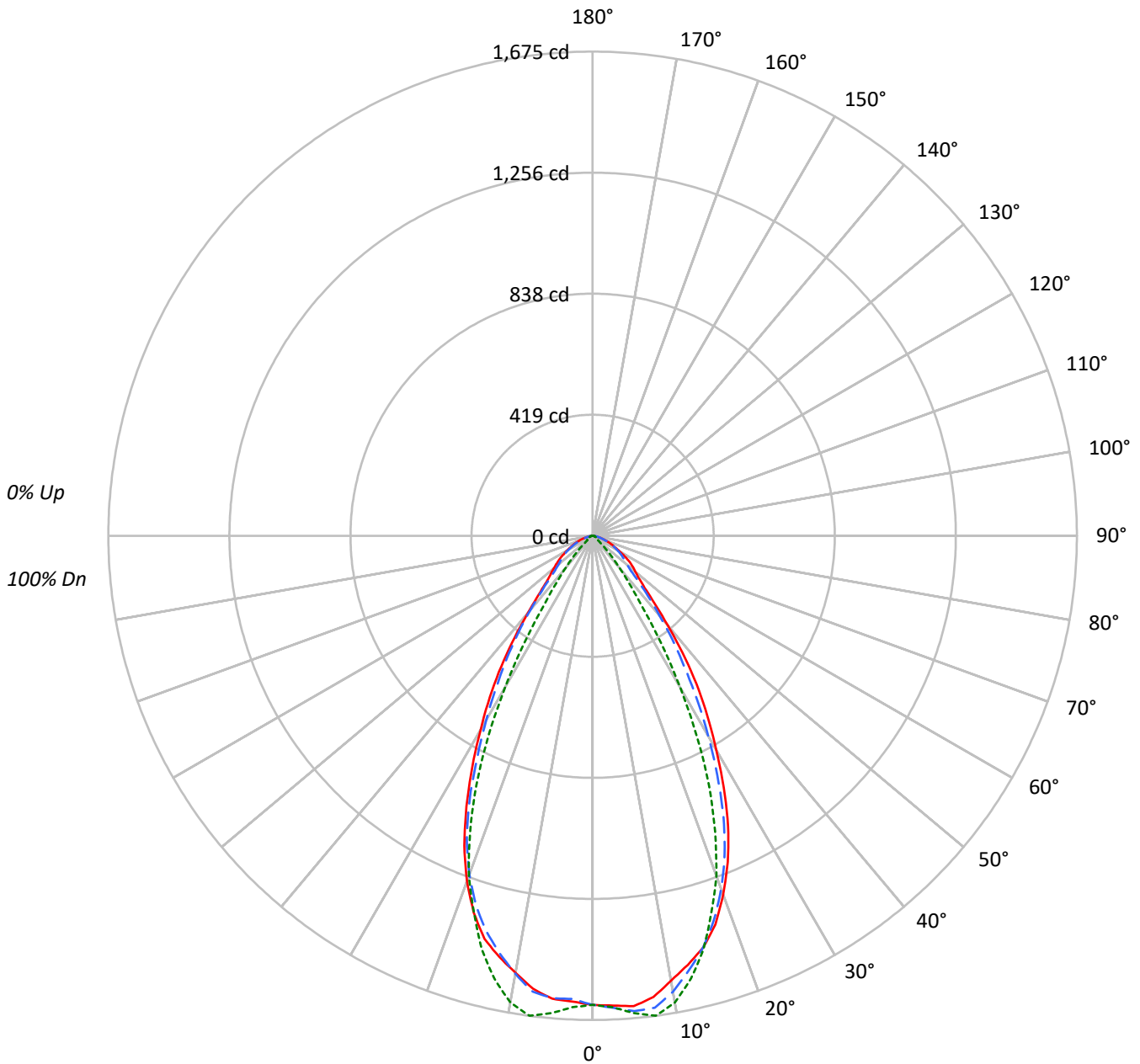
Lumens per Lamp: N/A
Luminaire Lumens: 1652.0 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	88957	88957	88957
5°	89885	91250	88477
10°	86972	91247	85458
15°	83712	84036	81930
20°	77042	72999	74154
25°	67050	57566	62459
30°	54078	38246	49058
35°	41927	19722	36841
40°	28768	10219	24811
45°	19707	5117	17405
50°	16400	2183	14925
55°	14747	1892	13333
60°	11677	1809	11128
65°	9638	1608	9534
70°	7806	1459	7806
75°	5761	1567	6121
80°	3378	1294	3662
85°	2579	1572	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	9.3
10°-20°	405.4	24.5
20°-30°	462.8	28.0
30°-40°	306.9	18.6
40°-50°	148.0	9.0
50°-60°	91.1	5.5
60°-70°	55.1	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°	1022.6	61.9
0°-40°	1329.5	80.5
0°-60°	1568.6	95.0
0°-90°	1652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1652.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1623	1623	1623	1623	1623	
5°	1633	1651	1658	1605	1608	153
15°	1475	1475	1481	1418	1444	411
25°	1108	1071	952	1007	1033	503
35°	626	552	295	515	550	387
45°	254	223	66	208	224	207
55°	154	126	20	126	140	136
65°	74	71	12	67	74	75
75°	27	27	7	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°	1622.7	1622.7	1622.7	1622.7	1622.7	1622.7	1622.7	1622.7	1622.7
2.5°	1626.8	1629.3	1634.3	1635.1	1632.6	1616.9	1603.7	1608.7	1612.8
5°	1633.4	1638.4	1650.8	1662.3	1658.2	1631.8	1605.4	1604.5	1607.8
7.5°	1609.5	1621.0	1646.6	1675.5	1674.7	1629.3	1590.5	1580.6	1580.6
10°	1562.4	1573.2	1601.2	1640.0	1639.2	1582.3	1539.3	1534.4	1535.2
12.5°	1520.4	1525.3	1539.3	1569.9	1569.9	1513.7	1480.7	1485.7	1492.3
15°	1475.0	1478.3	1475.0	1484.9	1480.7	1434.5	1418.0	1433.7	1443.6
17.5°	1410.6	1412.2	1394.9	1381.7	1366.0	1337.1	1341.2	1364.4	1366.8
20°	1320.6	1331.3	1300.0	1266.1	1251.3	1224.0	1247.2	1272.7	1271.1
22.5°	1221.6	1233.9	1193.5	1137.4	1106.8	1096.1	1137.4	1160.5	1159.7
25°	1108.5	1117.6	1071.3	992.9	951.7	950.0	1007.0	1030.9	1032.6
27.5°	981.4	984.7	932.7	830.3	779.2	791.5	863.3	896.4	900.5
30°	854.3	852.6	799.0	671.9	604.2	638.0	734.6	770.9	775.0
32.5°	737.9	732.9	671.9	520.0	439.1	489.5	616.6	654.5	661.1
35°	626.5	618.2	552.2	384.6	294.7	369.8	515.0	548.1	550.5
37.5°	510.1	506.0	454.0	288.1	205.5	280.6	420.1	444.1	441.6
40°	402.0	402.0	359.0	213.8	142.8	208.8	332.6	354.1	346.7
42.5°	315.3	319.4	283.1	157.6	101.5	155.2	263.3	283.1	274.9
45°	254.2	254.2	222.9	117.2	66.0	115.6	208.0	226.2	224.5
47.5°	215.4	212.1	180.8	85.8	36.3	86.7	175.0	197.3	196.4
50°	192.3	187.4	155.2	67.7	25.6	71.8	153.5	174.2	175.0
52.5°	174.2	166.7	139.5	60.3	22.3	62.7	139.5	156.0	156.0
55°	154.3	150.2	125.5	53.6	19.8	56.1	125.5	140.3	139.5
57.5°	130.4	129.6	112.3	48.7	18.2	49.5	112.3	121.3	118.0
60°	106.5	109.8	97.4	43.7	16.5	44.6	95.7	103.2	101.5
62.5°	89.1	93.3	85.0	38.8	14.0	39.6	80.9	88.3	86.7
65°	74.3	77.6	71.0	33.0	12.4	33.0	66.9	73.5	73.5
67.5°	61.1	63.6	58.6	27.2	10.7	27.2	54.5	60.3	61.1
70°	48.7	50.3	46.2	21.5	9.1	22.3	42.9	48.7	48.7
72.5°	38.0	38.8	36.3	17.3	8.3	17.3	33.0	38.0	38.0
75°	27.2	28.9	27.2	13.2	7.4	13.2	25.6	28.1	28.9
77.5°	15.7	19.8	19.8	10.7	5.8	9.9	18.2	19.0	19.0
80°	10.7	12.4	14.0	7.4	4.1	7.4	11.6	12.4	11.6
82.5°	7.4	8.3	8.3	5.0	3.3	5.0	7.4	8.3	7.4
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)