

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: P799452

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDDWWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799452
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 6LBMDDWWH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

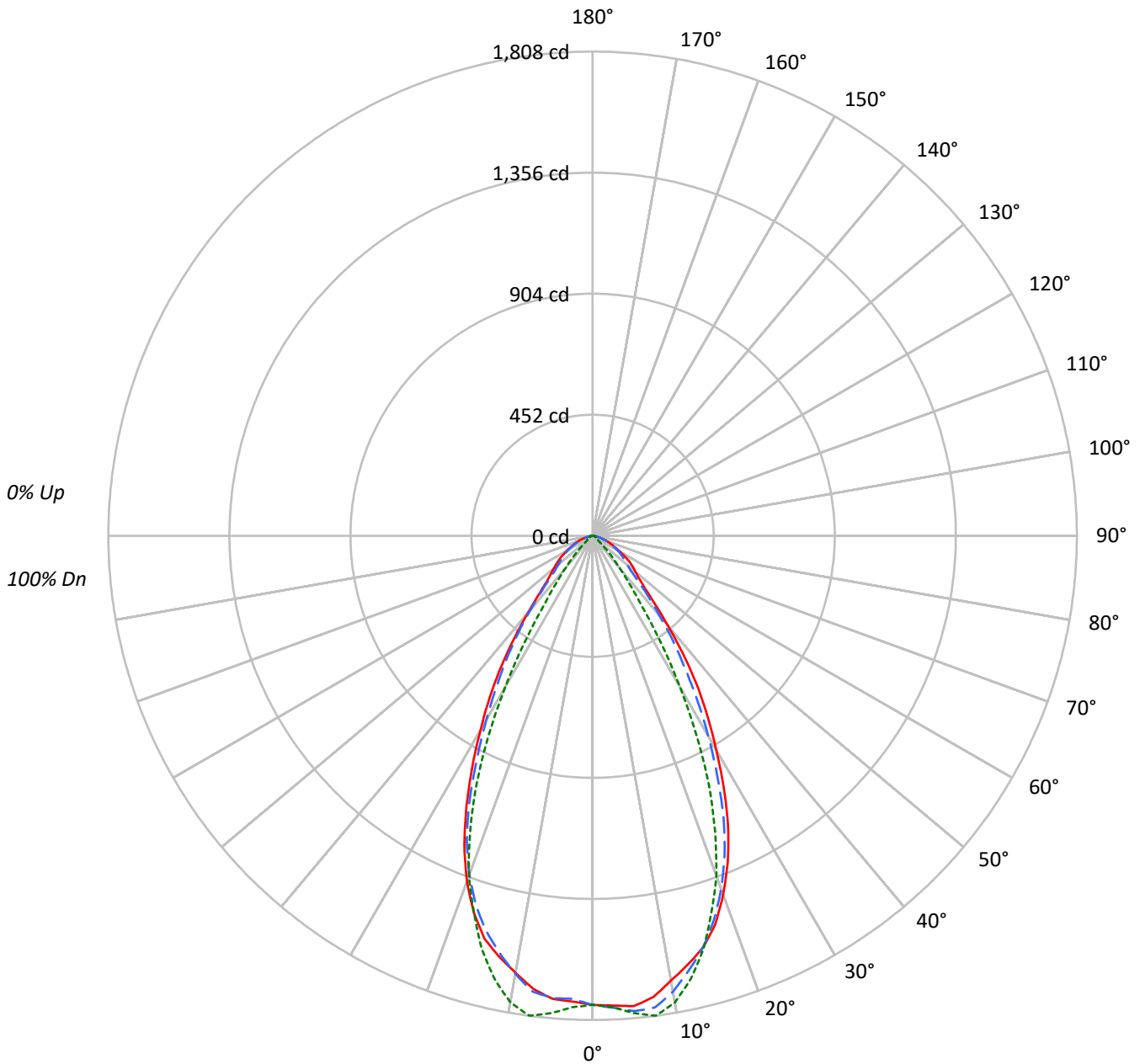
Lumens per Lamp: N/A
Luminaire Lumens: 1783.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	96012	96012	96012
5°	97017	98486	95493
10°	93869	98484	92233
15°	90347	90704	88428
20°	83150	78786	80034
25°	72367	62127	67407
30°	58363	41279	52951
35°	45247	21282	39766
40°	31044	11028	26772
45°	21274	5528	18785
50°	17705	2354	16110
55°	15923	2045	14394
60°	12598	1952	12017
65°	10403	1738	10286
70°	8431	1571	8431
75°	6227	1694	6608
80°	3662	1421	3946
85°	2830	1698	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.7	9.3
10°-20°	437.6	24.5
20°-30°	499.5	28.0
30°-40°	331.2	18.6
40°-50°	159.8	9.0
50°-60°	98.3	5.5
60°-70°	59.5	3.3
70°-80°	25.0	1.4
80°-90°	5.5	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°	1103.7	61.9
0°-40°	1435.0	80.5
0°-60°	1693.0	95.0
0°-90°	1783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1783.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1751	1751	1751	1751	1751	
5°	1763	1782	1790	1733	1735	166
15°	1592	1592	1598	1530	1558	444
25°	1196	1156	1027	1087	1114	542
35°	676	596	318	556	594	418
45°	274	240	71	224	242	224
55°	167	135	21	135	151	146
65°	80	77	13	72	79	81
75°	29	29	8	28	31	31
85°	4	6	3	4	4	6
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°	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4	1751.4
2.5°	1755.8	1758.5	1763.8	1764.7	1762.1	1745.1	1730.9	1736.2	1740.7
5°	1763.0	1768.3	1781.7	1794.1	1789.7	1761.2	1732.7	1731.8	1735.3
7.5°	1737.1	1749.6	1777.2	1808.4	1807.5	1758.5	1716.6	1705.9	1705.9
10°	1686.3	1697.9	1728.2	1770.1	1769.2	1707.7	1661.4	1656.1	1656.9
12.5°	1640.9	1646.3	1661.4	1694.4	1694.4	1633.8	1598.2	1603.5	1610.6
15°	1591.9	1595.5	1591.9	1602.6	1598.2	1548.3	1530.5	1547.4	1558.1
17.5°	1522.4	1524.2	1505.5	1491.3	1474.3	1443.1	1447.6	1472.5	1475.2
20°	1425.3	1436.9	1403.1	1366.5	1350.5	1321.1	1346.0	1373.7	1371.9
22.5°	1318.4	1331.8	1288.1	1227.6	1194.6	1183.0	1227.6	1252.5	1251.6
25°	1196.4	1206.2	1156.3	1071.7	1027.1	1025.3	1086.8	1112.6	1114.4
27.5°	1059.2	1062.8	1006.6	896.2	840.9	854.3	931.8	967.4	971.9
30°	922.0	920.2	862.3	725.1	652.1	688.6	792.8	832.0	836.5
32.5°	796.4	791.1	725.1	561.2	473.9	528.3	665.5	706.4	713.6
35°	676.1	667.2	596.0	415.1	318.0	399.1	555.9	591.5	594.2
37.5°	550.5	546.1	490.0	310.9	221.8	302.9	453.4	479.3	476.6
40°	433.8	433.8	387.5	230.7	154.1	225.4	359.0	382.2	374.1
42.5°	340.3	344.8	305.6	170.1	109.6	167.5	284.2	305.6	296.6
45°	274.4	274.4	240.5	126.5	71.3	124.7	224.5	244.1	242.3
47.5°	232.5	228.9	195.1	92.6	39.2	93.5	188.9	212.9	212.0
50°	207.6	202.2	167.5	73.0	27.6	77.5	165.7	188.0	188.9
52.5°	188.0	179.9	150.6	65.0	24.1	67.7	150.6	168.4	168.4
55°	166.6	162.1	135.4	57.9	21.4	60.6	135.4	151.4	150.6
57.5°	140.8	139.9	121.2	52.6	19.6	53.4	121.2	131.0	127.4
60°	114.9	118.5	105.1	47.2	17.8	48.1	103.3	111.4	109.6
62.5°	96.2	100.7	91.8	41.9	15.1	42.8	87.3	95.3	93.5
65°	80.2	83.7	76.6	35.6	13.4	35.6	72.2	79.3	79.3
67.5°	65.9	68.6	63.2	29.4	11.6	29.4	58.8	65.0	65.9
70°	52.6	54.3	49.9	23.2	9.8	24.1	46.3	52.6	52.6
72.5°	41.0	41.9	39.2	18.7	8.9	18.7	35.6	41.0	41.0
75°	29.4	31.2	29.4	14.3	8.0	14.3	27.6	30.3	31.2
77.5°	16.9	21.4	21.4	11.6	6.2	10.7	19.6	20.5	20.5
80°	11.6	13.4	15.1	8.0	4.5	8.0	12.5	13.4	12.5
82.5°	8.0	8.9	8.9	5.3	3.6	5.3	8.0	8.9	8.0
85°	4.5	6.2	6.2	4.5	2.7	3.6	4.5	5.3	4.5
87.5°	2.7	3.6	4.5	3.6	2.7	2.7	2.7	2.7	1.8
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)