

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: P799453

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799453
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 6LBMDDWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

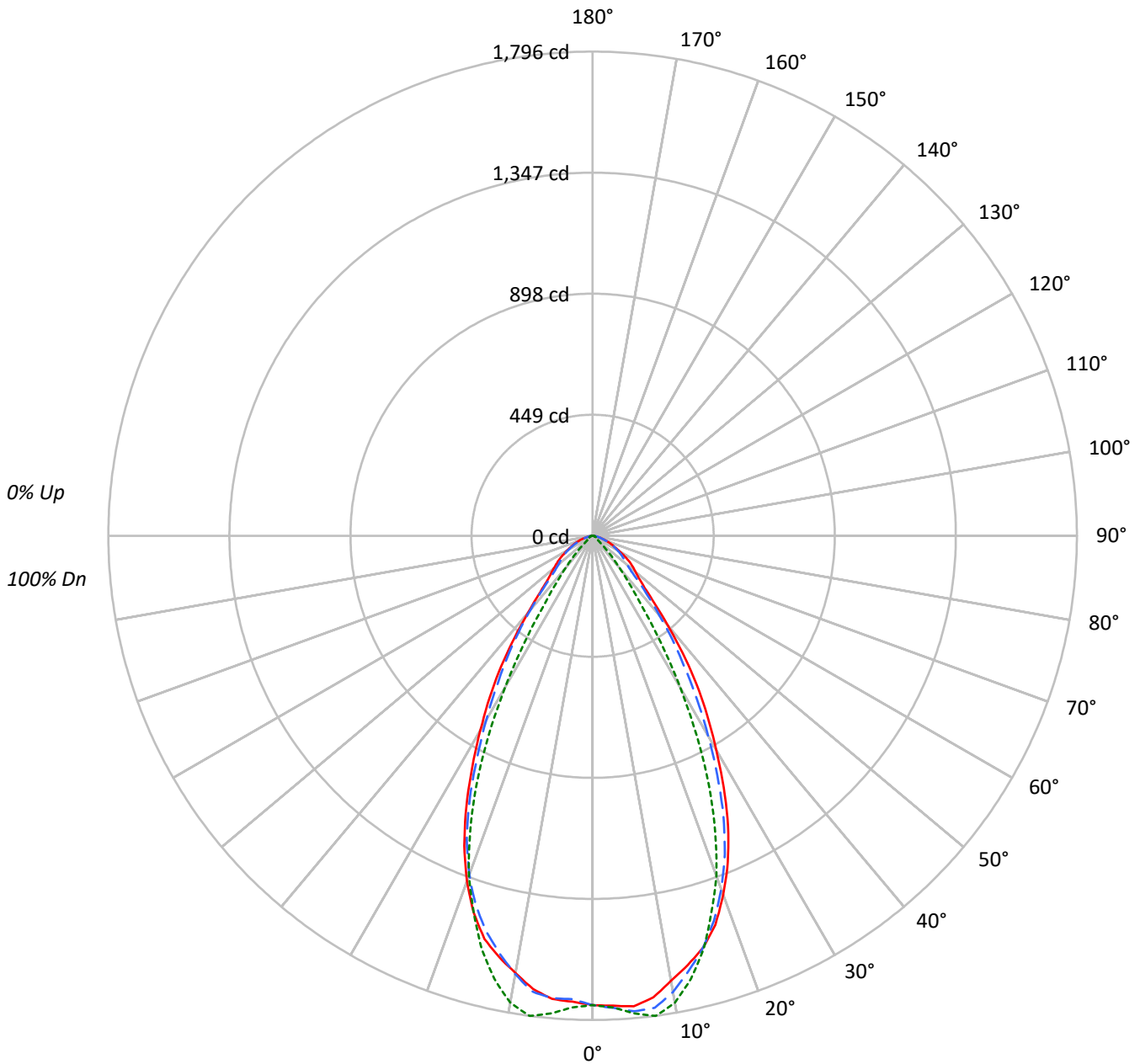
Lumens per Lamp: N/A
Luminaire Lumens: 1772.0 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	95420	95420	95420
5°	96417	97876	94904
10°	93290	97877	91665
15°	89791	90142	87884
20°	82636	78302	79539
25°	71919	61746	66996
30°	58003	41025	52622
35°	44972	21154	39518
40°	30858	10963	26607
45°	21142	5489	18669
50°	17594	2337	16008
55°	15827	2026	14298
60°	12521	1941	11940
65°	10338	1725	10222
70°	8367	1555	8367
75°	6185	1694	6566
80°	3631	1389	3915
85°	2768	1698	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.7	9.4
10°-20°	434.9	24.5
20°-30°	496.4	28.0
30°-40°	329.2	18.6
40°-50°	158.8	9.0
50°-60°	97.7	5.5
60°-70°	59.1	3.3
70°-80°	24.9	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°	1096.9	61.9
0°-40°	1426.1	80.5
0°-60°	1682.5	95.0
0°-90°	1772.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1741	1741	1741	1741	1741	
5°	1752	1771	1779	1722	1725	165
15°	1582	1582	1588	1521	1548	441
25°	1189	1149	1021	1080	1108	539
35°	672	592	316	552	590	416
45°	273	239	71	223	241	222
55°	166	135	21	135	150	146
65°	80	76	13	72	79	80
75°	29	29	8	27	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°	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6	1740.6
2.5°	1745.0	1747.7	1753.0	1753.9	1751.2	1734.4	1720.2	1725.5	1729.9
5°	1752.1	1757.4	1770.7	1783.1	1778.6	1750.3	1722.0	1721.1	1724.6
7.5°	1726.4	1738.8	1766.2	1797.2	1796.3	1747.7	1706.0	1695.4	1695.4
10°	1675.9	1687.5	1717.6	1759.2	1758.3	1697.2	1651.2	1645.8	1646.7
12.5°	1630.8	1636.1	1651.2	1683.9	1683.9	1623.7	1588.3	1593.6	1600.7
15°	1582.1	1585.6	1582.1	1592.7	1588.3	1538.7	1521.0	1537.8	1548.5
17.5°	1513.0	1514.8	1496.2	1482.1	1465.2	1434.2	1438.7	1463.5	1466.1
20°	1416.5	1428.0	1394.4	1358.1	1342.2	1313.0	1337.7	1365.2	1363.4
22.5°	1310.3	1323.6	1280.2	1220.0	1187.2	1175.7	1220.0	1244.8	1243.9
25°	1189.0	1198.7	1149.2	1065.1	1020.8	1019.0	1080.1	1105.8	1107.6
27.5°	1052.7	1056.2	1000.4	890.6	835.8	849.0	926.1	961.5	965.9
30°	916.3	914.6	857.0	720.7	648.1	684.4	787.9	826.9	831.3
32.5°	791.5	786.2	720.7	557.8	471.0	525.0	661.3	702.1	709.2
35°	672.0	663.1	592.3	412.6	316.1	396.6	552.5	587.9	590.5
37.5°	547.1	542.7	486.9	309.0	220.4	301.0	450.6	476.3	473.7
40°	431.2	431.2	385.1	229.3	153.2	224.0	356.8	379.8	371.8
42.5°	338.2	342.6	303.7	169.1	108.9	166.4	282.4	303.7	294.8
45°	272.7	272.7	239.0	125.7	70.8	123.9	223.1	242.6	240.8
47.5°	231.1	227.5	193.9	92.1	39.0	93.0	187.7	211.6	210.7
50°	206.3	201.0	166.4	72.6	27.4	77.0	164.7	186.8	187.7
52.5°	186.8	178.8	149.6	64.6	23.9	67.3	149.6	167.3	167.3
55°	165.6	161.1	134.6	57.5	21.2	60.2	134.6	150.5	149.6
57.5°	139.9	139.0	120.4	52.2	19.5	53.1	120.4	130.1	126.6
60°	114.2	117.7	104.5	46.9	17.7	47.8	102.7	110.7	108.9
62.5°	95.6	100.0	91.2	41.6	15.1	42.5	86.8	94.7	93.0
65°	79.7	83.2	76.1	35.4	13.3	35.4	71.7	78.8	78.8
67.5°	65.5	68.2	62.9	29.2	11.5	29.2	58.4	64.6	65.5
70°	52.2	54.0	49.6	23.0	9.7	23.9	46.0	52.2	52.2
72.5°	40.7	41.6	39.0	18.6	8.9	18.6	35.4	40.7	40.7
75°	29.2	31.0	29.2	14.2	8.0	14.2	27.4	30.1	31.0
77.5°	16.8	21.2	21.2	11.5	6.2	10.6	19.5	20.4	20.4
80°	11.5	13.3	15.1	8.0	4.4	8.0	12.4	13.3	12.4
82.5°	8.0	8.9	8.9	5.3	3.5	5.3	8.0	8.9	8.0
85°	4.4	6.2	6.2	4.4	2.7	3.5	4.4	5.3	4.4
87.5°	2.7	3.5	4.4	3.5	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)