

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: P799441

Luminaire Tested: **LD6C20D010 EU6209035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799441
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 EU6209035 6LBMDDWWMH
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

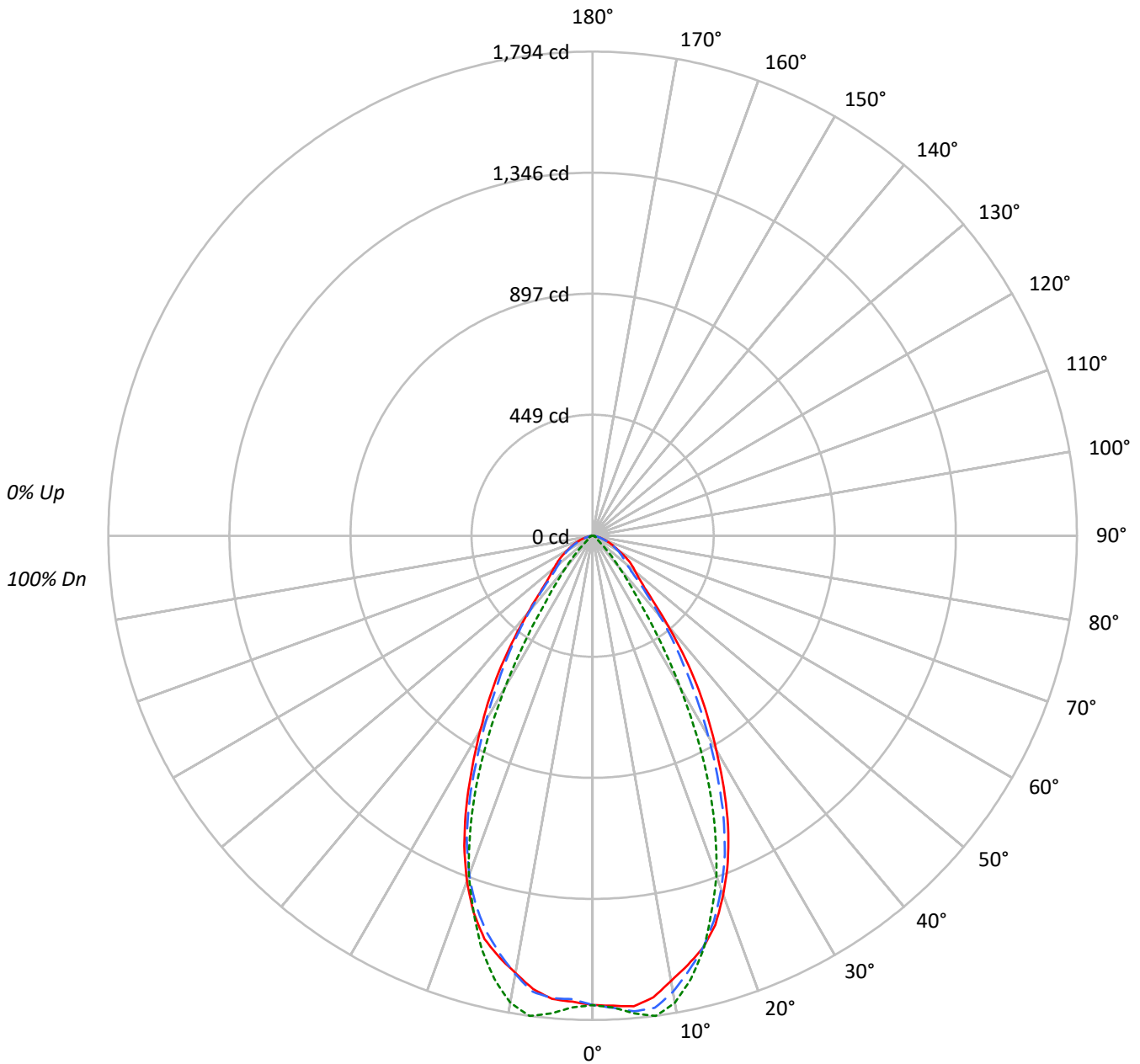
Lumens per Lamp: N/A
Luminaire Lumens: 1770.0 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): 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°	95310	95310	95310
5°	96307	97766	94799
10°	93190	97766	91565
15°	89688	90040	87781
20°	82543	78214	79451
25°	71841	61673	66917
30°	57939	40975	52565
35°	44919	21128	39478
40°	30822	10949	26578
45°	21118	5481	18645
50°	17577	2337	15991
55°	15808	2026	14289
60°	12510	1941	11929
65°	10325	1725	10209
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°	165.5	9.4
10°-20°	434.4	24.5
20°-30°	495.8	28.0
30°-40°	328.8	18.6
40°-50°	158.6	9.0
50°-60°	97.6	5.5
60°-70°	59.0	3.3
70°-80°	24.8	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°	1095.7	61.9
0°-40°	1424.5	80.5
0°-60°	1680.7	95.0
0°-90°	1770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1770.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1739	1739	1739	1739	1739	
5°	1750	1769	1777	1720	1723	164
15°	1580	1580	1586	1519	1547	440
25°	1188	1148	1020	1079	1106	539
35°	671	592	316	552	590	415
45°	272	239	71	223	240	222
55°	165	134	21	134	150	145
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°	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1743.0	1745.7	1751.0	1751.9	1749.2	1732.4	1718.3	1723.6	1728.0
5°	1750.1	1755.4	1768.7	1781.1	1776.6	1748.3	1720.0	1719.2	1722.7
7.5°	1724.5	1736.8	1764.3	1795.2	1794.3	1745.7	1704.1	1693.5	1693.5
10°	1674.1	1685.5	1715.6	1757.2	1756.3	1695.3	1649.3	1644.0	1644.9
12.5°	1628.9	1634.3	1649.3	1682.0	1682.0	1621.9	1586.5	1591.8	1598.9
15°	1580.3	1583.8	1580.3	1590.9	1586.5	1537.0	1519.3	1536.1	1546.7
17.5°	1511.3	1513.1	1494.5	1480.4	1463.6	1432.6	1437.0	1461.8	1464.5
20°	1414.9	1426.4	1392.8	1356.6	1340.7	1311.5	1336.2	1363.6	1361.9
22.5°	1308.8	1322.1	1278.8	1218.6	1185.9	1174.4	1218.6	1243.4	1242.5
25°	1187.7	1197.4	1147.9	1063.9	1019.6	1017.9	1078.9	1104.5	1106.3
27.5°	1051.5	1055.0	999.3	889.6	834.8	848.1	925.0	960.4	964.8
30°	915.3	913.5	856.0	719.9	647.3	683.6	787.1	826.0	830.4
32.5°	790.6	785.3	719.9	557.1	470.5	524.4	660.6	701.3	708.4
35°	671.2	662.4	591.6	412.1	315.7	396.2	551.8	587.2	589.9
37.5°	546.5	542.1	486.4	308.6	220.2	300.7	450.1	475.8	473.1
40°	430.7	430.7	384.7	229.0	153.0	223.7	356.4	379.4	371.4
42.5°	337.8	342.2	303.3	168.9	108.8	166.3	282.1	303.3	294.5
45°	272.4	272.4	238.8	125.6	70.7	123.8	222.9	242.3	240.5
47.5°	230.8	227.3	193.7	92.0	38.9	92.9	187.5	211.4	210.5
50°	206.1	200.7	166.3	72.5	27.4	76.9	164.5	186.6	187.5
52.5°	186.6	178.6	149.5	64.6	23.9	67.2	149.5	167.1	167.1
55°	165.4	160.9	134.4	57.5	21.2	60.1	134.4	150.3	149.5
57.5°	139.7	138.8	120.3	52.2	19.5	53.1	120.3	130.0	126.5
60°	114.1	117.6	104.4	46.9	17.7	47.8	102.6	110.5	108.8
62.5°	95.5	99.9	91.1	41.6	15.0	42.4	86.7	94.6	92.9
65°	79.6	83.1	76.1	35.4	13.3	35.4	71.6	78.7	78.7
67.5°	65.4	68.1	62.8	29.2	11.5	29.2	58.4	64.6	65.4
70°	52.2	53.9	49.5	23.0	9.7	23.9	46.0	52.2	52.2
72.5°	40.7	41.6	38.9	18.6	8.8	18.6	35.4	40.7	40.7
75°	29.2	31.0	29.2	14.1	8.0	14.1	27.4	30.1	31.0
77.5°	16.8	21.2	21.2	11.5	6.2	10.6	19.5	20.3	20.3
80°	11.5	13.3	15.0	8.0	4.4	8.0	12.4	13.3	12.4
82.5°	8.0	8.8	8.8	5.3	3.5	5.3	8.0	8.8	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)