

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: P799477

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWWMH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799477
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: LD6C25D010 EU6259027 6LBMDDWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

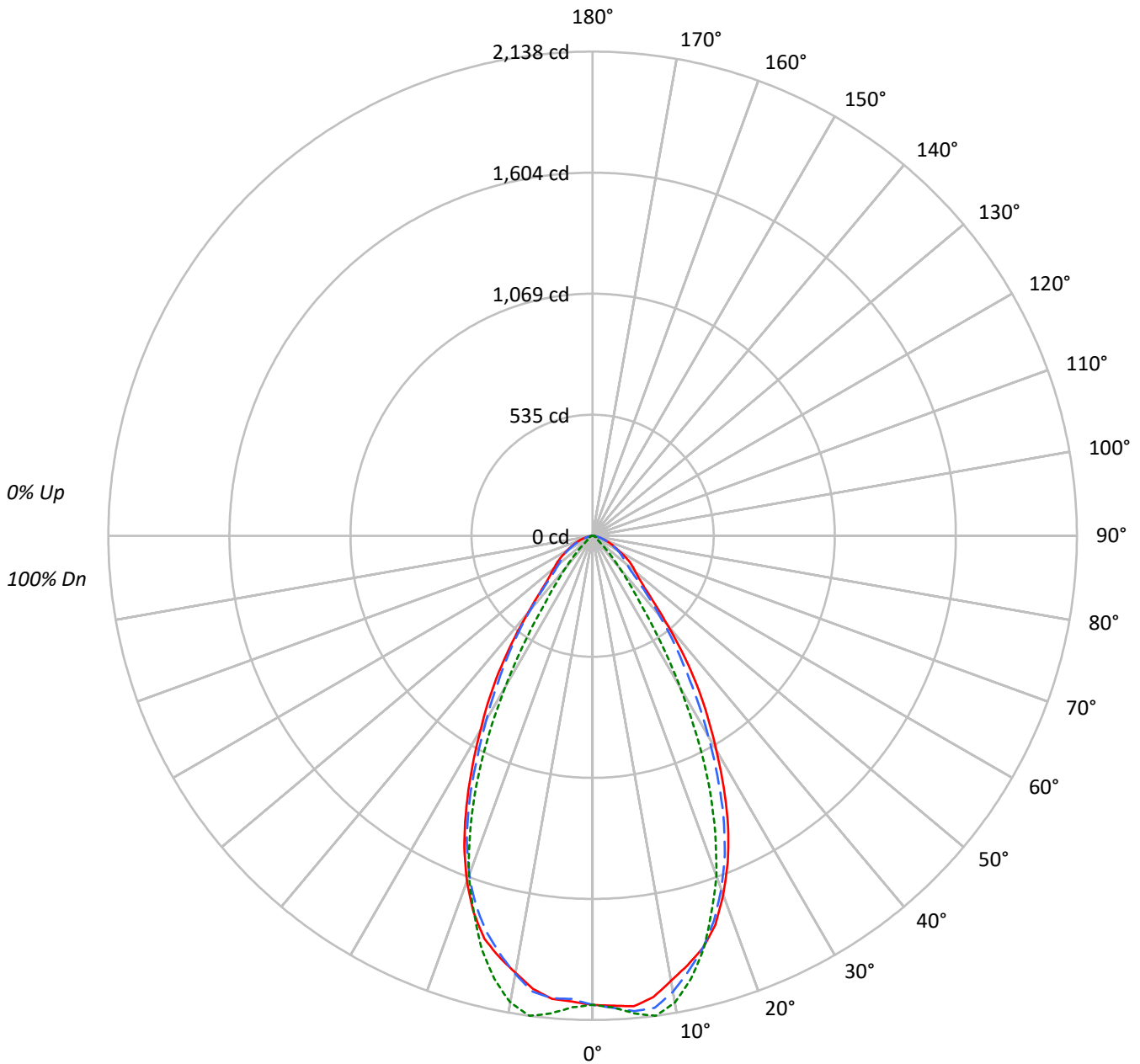
Lumens per Lamp: N/A
Luminaire Lumens: 2109.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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°	113565	113565	113565
5°	114753	116492	112954
10°	111037	116492	109100
15°	106868	107288	104592
20°	98353	93190	94666
25°	85596	73486	79734
30°	69036	48824	62630
35°	53525	25176	47034
40°	36726	13046	31674
45°	25158	6536	22219
50°	20937	2789	19053
55°	18828	2418	17022
60°	14900	2313	14209
65°	12297	2050	12167
70°	9970	1859	9970
75°	7371	2012	7816
80°	4325	1673	4672
85°	3334	2013	3334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	9.4
10°-20°	517.6	24.5
20°-30°	590.8	28.0
30°-40°	391.8	18.6
40°-50°	189.0	9.0
50°-60°	116.2	5.5
60°-70°	70.3	3.3
70°-80°	29.6	1.4
80°-90°	6.5	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°	1305.5	61.9
0°-40°	1697.3	80.5
0°-60°	2002.5	95.0
0°-90°	2109.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2109.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2072	2072	2072	2072	2072	
5°	2085	2107	2117	2050	2053	196
15°	1883	1883	1890	1810	1843	525
25°	1415	1368	1215	1286	1318	642
35°	800	705	376	658	703	495
45°	324	284	84	266	287	265
55°	197	160	25	160	178	173
65°	95	91	16	85	94	95
75°	35	35	10	33	37	37
85°	5	7	3	5	5	7
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°	2071.6	2071.6	2071.6	2071.6	2071.6	2071.6	2071.6	2071.6	2071.6
2.5°	2076.9	2080.0	2086.3	2087.4	2084.2	2064.2	2047.4	2053.7	2059.0
5°	2085.3	2091.6	2107.4	2122.2	2116.9	2083.2	2049.5	2048.4	2052.6
7.5°	2054.7	2069.5	2102.2	2139.0	2138.0	2080.0	2030.5	2017.9	2017.9
10°	1994.7	2008.4	2044.2	2093.7	2092.7	2020.0	1965.2	1958.8	1959.9
12.5°	1940.9	1947.3	1965.2	2004.2	2004.2	1932.5	1890.4	1896.7	1905.1
15°	1883.0	1887.2	1883.0	1895.6	1890.4	1831.3	1810.3	1830.3	1842.9
17.5°	1800.8	1802.9	1780.8	1763.9	1743.9	1707.0	1712.3	1741.8	1744.9
20°	1685.9	1699.6	1659.6	1616.4	1597.4	1562.7	1592.2	1624.8	1622.7
22.5°	1559.5	1575.3	1523.7	1452.0	1413.0	1399.3	1452.0	1481.5	1480.5
25°	1415.1	1426.7	1367.7	1267.6	1214.9	1212.8	1285.5	1316.1	1318.2
27.5°	1252.9	1257.1	1190.7	1060.0	994.7	1010.5	1102.2	1144.3	1149.6
30°	1090.6	1088.5	1020.0	857.7	771.3	814.5	937.8	984.2	989.4
32.5°	942.0	935.7	857.7	663.8	560.6	624.9	787.1	835.6	844.0
35°	799.8	789.2	704.9	491.0	376.2	472.1	657.5	699.7	702.8
37.5°	651.2	645.9	579.5	367.7	262.4	358.3	536.3	566.9	563.7
40°	513.2	513.2	458.4	272.9	182.3	266.6	424.6	452.0	442.6
42.5°	402.5	407.8	361.4	201.3	129.6	198.1	336.1	361.4	350.9
45°	324.5	324.5	284.5	149.6	84.3	147.5	265.5	288.7	286.6
47.5°	275.0	270.8	230.8	109.6	46.4	110.6	223.4	251.8	250.8
50°	245.5	239.2	198.1	86.4	32.7	91.7	196.0	222.3	223.4
52.5°	222.3	212.8	178.1	76.9	28.5	80.1	178.1	199.2	199.2
55°	197.0	191.8	160.2	68.5	25.3	71.7	160.2	179.1	178.1
57.5°	166.5	165.4	143.3	62.2	23.2	63.2	143.3	154.9	150.7
60°	135.9	140.1	124.3	55.8	21.1	56.9	122.2	131.7	129.6
62.5°	113.8	119.1	108.5	49.5	17.9	50.6	103.3	112.7	110.6
65°	94.8	99.0	90.6	42.1	15.8	42.1	85.4	93.8	93.8
67.5°	78.0	81.1	74.8	34.8	13.7	34.8	69.5	76.9	78.0
70°	62.2	64.3	59.0	27.4	11.6	28.5	54.8	62.2	62.2
72.5°	48.5	49.5	46.4	22.1	10.5	22.1	42.1	48.5	48.5
75°	34.8	36.9	34.8	16.9	9.5	16.9	32.7	35.8	36.9
77.5°	20.0	25.3	25.3	13.7	7.4	12.6	23.2	24.2	24.2
80°	13.7	15.8	17.9	9.5	5.3	9.5	14.8	15.8	14.8
82.5°	9.5	10.5	10.5	6.3	4.2	6.3	9.5	10.5	9.5
85°	5.3	7.4	7.4	5.3	3.2	4.2	5.3	6.3	5.3
87.5°	3.2	4.2	5.3	4.2	3.2	3.2	3.2	3.2	2.1
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)