

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: P799476

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799476
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 6LBMDDWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

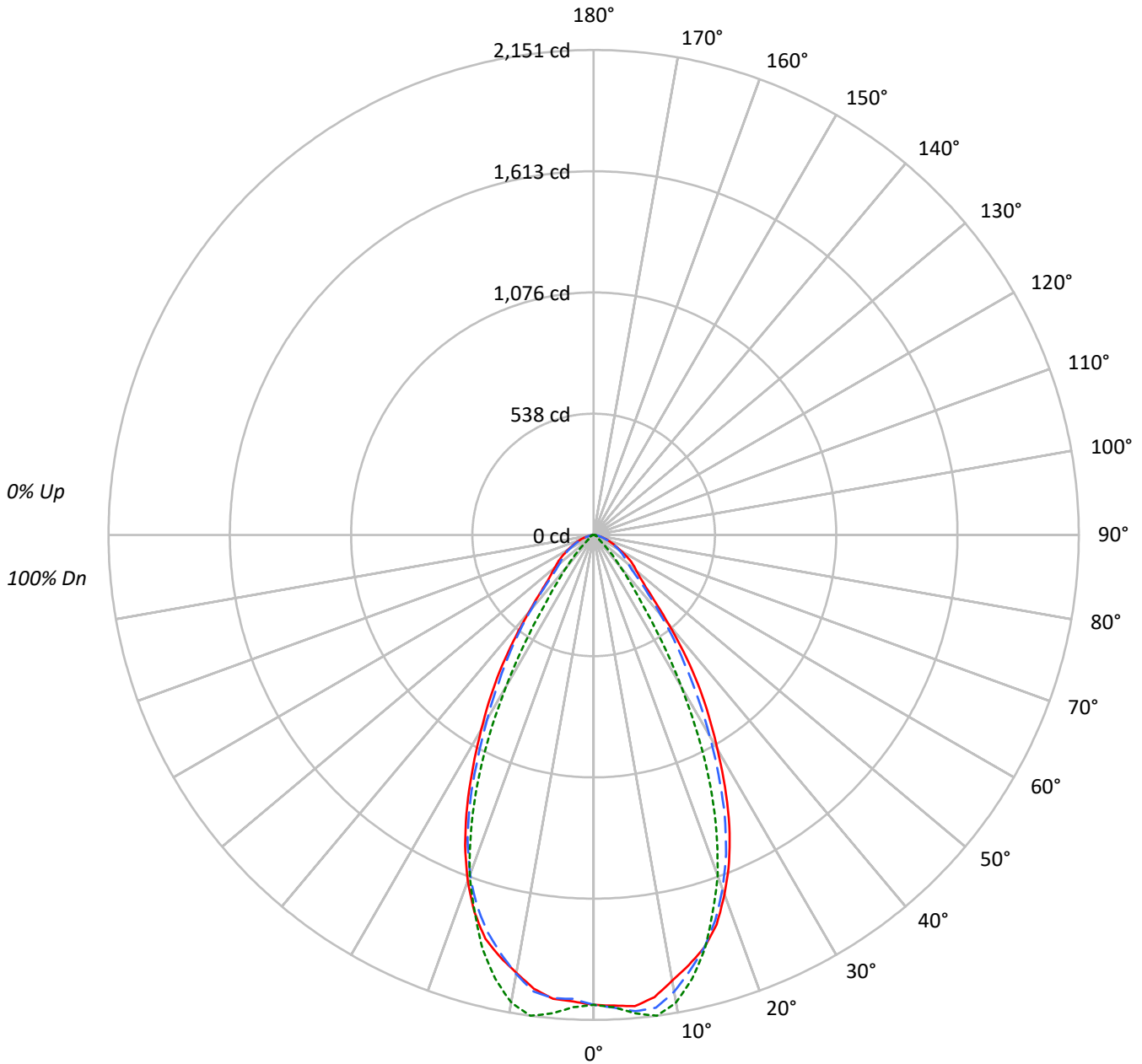
Lumens per Lamp: N/A
Luminaire Lumens: 2122.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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°	114267	114267	114267
5°	115458	117213	113653
10°	111721	117210	109773
15°	107526	107946	105239
20°	98959	93767	95249
25°	86128	73940	80224
30°	69460	49128	63016
35°	53853	25330	47328
40°	36948	13125	31867
45°	25313	6574	22359
50°	21065	2806	19172
55°	18953	2428	17127
60°	14999	2324	14297
65°	12375	2062	12245
70°	10034	1875	10034
75°	7413	2012	7858
80°	4357	1673	4672
85°	3334	2013	3334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	9.4
10°-20°	520.8	24.5
20°-30°	594.4	28.0
30°-40°	394.2	18.6
40°-50°	190.1	9.0
50°-60°	117.0	5.5
60°-70°	70.8	3.3
70°-80°	29.8	1.4
80°-90°	6.6	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°	1313.6	61.9
0°-40°	1707.8	80.5
0°-60°	2014.9	95.0
0°-90°	2122.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2084	2084	2084	2084	2084	
5°	2098	2120	2130	2062	2065	197
15°	1895	1895	1902	1821	1854	528
25°	1424	1376	1222	1294	1326	646
35°	805	709	378	662	707	498
45°	326	286	85	267	288	266
55°	198	161	25	161	179	174
65°	95	91	16	86	94	96
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°	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4	2084.4
2.5°	2089.7	2092.8	2099.2	2100.3	2097.1	2076.9	2060.0	2066.3	2071.6
5°	2098.1	2104.5	2120.4	2135.3	2130.0	2096.0	2062.1	2061.0	2065.3
7.5°	2067.4	2082.2	2115.1	2152.2	2151.2	2092.8	2043.0	2030.3	2030.3
10°	2007.0	2020.8	2056.8	2106.6	2105.6	2032.4	1977.3	1970.9	1972.0
12.5°	1952.9	1959.3	1977.3	2016.5	2016.5	1944.4	1902.0	1908.4	1916.9
15°	1894.6	1898.8	1894.6	1907.3	1902.0	1842.6	1821.4	1841.6	1854.3
17.5°	1811.9	1814.0	1791.7	1774.8	1754.6	1717.5	1722.8	1752.5	1755.7
20°	1696.3	1710.1	1669.8	1626.4	1607.3	1572.3	1602.0	1634.8	1632.7
22.5°	1569.1	1585.0	1533.1	1461.0	1421.7	1408.0	1461.0	1490.6	1489.6
25°	1423.9	1435.5	1376.1	1275.4	1222.4	1220.3	1293.5	1324.2	1326.3
27.5°	1260.6	1264.8	1198.0	1066.6	1000.8	1016.7	1109.0	1151.4	1156.7
30°	1097.3	1095.2	1026.3	863.0	776.1	819.5	943.6	990.2	995.5
32.5°	947.8	941.5	863.0	667.9	564.0	628.7	792.0	840.7	849.2
35°	804.7	794.1	709.3	494.1	378.5	475.0	661.6	704.0	707.2
37.5°	655.2	649.9	583.1	370.0	264.0	360.5	539.6	570.4	567.2
40°	516.3	516.3	461.2	274.6	183.4	268.2	427.3	454.8	445.3
42.5°	405.0	410.3	363.7	202.5	130.4	199.3	338.2	363.7	353.0
45°	326.5	326.5	286.3	150.5	84.8	148.4	267.2	290.5	288.4
47.5°	276.7	272.5	232.2	110.3	46.6	111.3	224.8	253.4	252.3
50°	247.0	240.7	199.3	86.9	32.9	92.2	197.2	223.7	224.8
52.5°	223.7	214.2	179.2	77.4	28.6	80.6	179.2	200.4	200.4
55°	198.3	193.0	161.2	68.9	25.4	72.1	161.2	180.2	179.2
57.5°	167.5	166.5	144.2	62.6	23.3	63.6	144.2	155.9	151.6
60°	136.8	141.0	125.1	56.2	21.2	57.3	123.0	132.5	130.4
62.5°	114.5	119.8	109.2	49.8	18.0	50.9	103.9	113.4	111.3
65°	95.4	99.7	91.2	42.4	15.9	42.4	85.9	94.4	94.4
67.5°	78.5	81.6	75.3	35.0	13.8	35.0	70.0	77.4	78.5
70°	62.6	64.7	59.4	27.6	11.7	28.6	55.1	62.6	62.6
72.5°	48.8	49.8	46.6	22.3	10.6	22.3	42.4	48.8	48.8
75°	35.0	37.1	35.0	17.0	9.5	17.0	32.9	36.0	37.1
77.5°	20.1	25.4	25.4	13.8	7.4	12.7	23.3	24.4	24.4
80°	13.8	15.9	18.0	9.5	5.3	9.5	14.8	15.9	14.8
82.5°	9.5	10.6	10.6	6.4	4.2	6.4	9.5	10.6	9.5
85°	5.3	7.4	7.4	5.3	3.2	4.2	5.3	6.4	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)