

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: P799473

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799473
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 6LBMDDWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

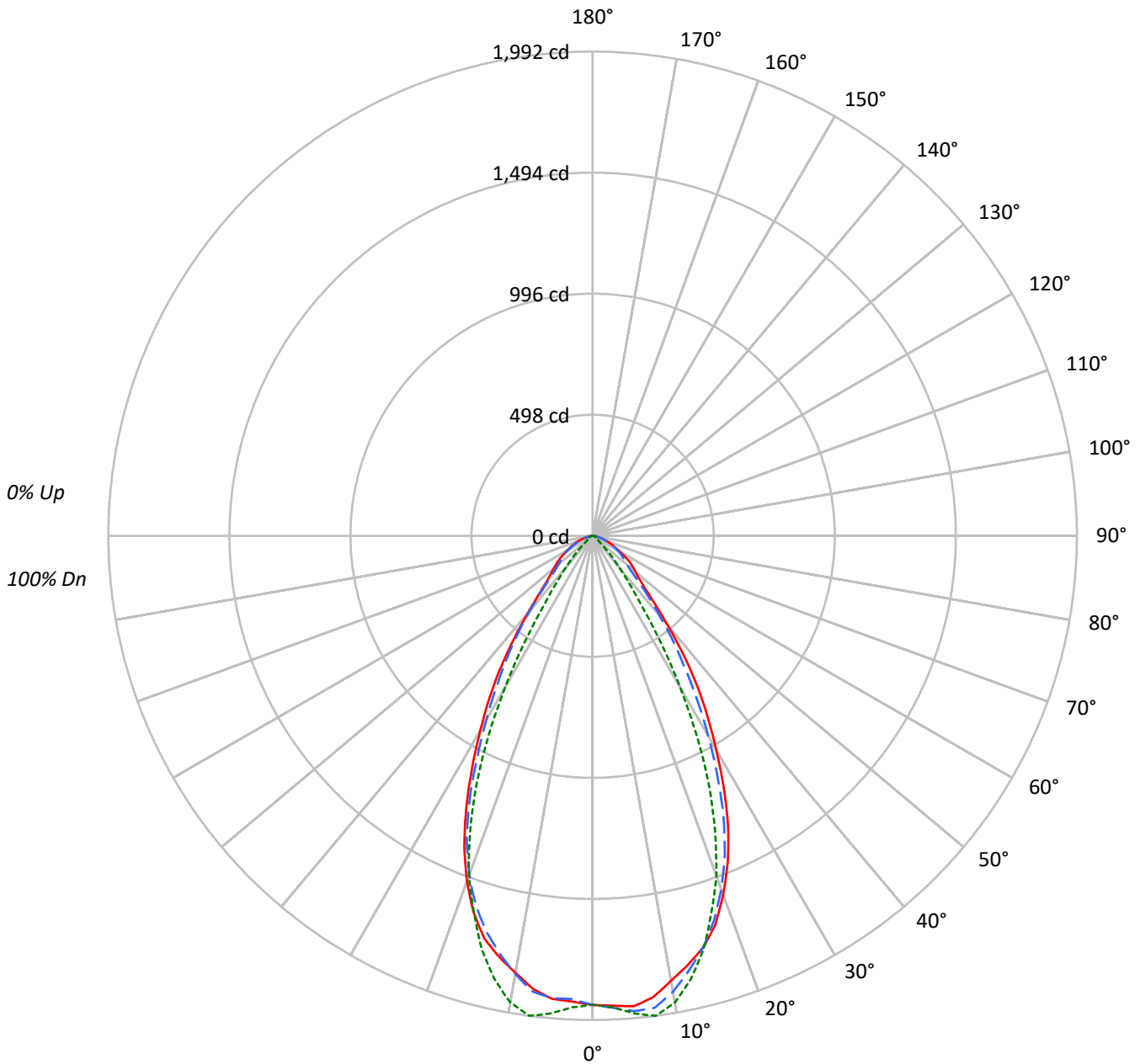
Lumens per Lamp: N/A
Luminaire Lumens: 1965.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	105808	105808	105808
5°	106917	108540	105244
10°	103455	108537	101651
15°	99569	99961	97452
20°	91638	86831	88202
25°	79753	68472	74291
30°	64320	45494	58357
35°	49871	23457	43821
40°	34214	12151	29505
45°	23444	6086	20700
50°	19513	2593	17748
55°	17548	2256	15856
60°	13880	2149	13245
65°	11467	1907	11337
70°	9280	1731	9280
75°	6863	1864	7286
80°	4041	1547	4325
85°	3082	1824	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.7	9.4
10°-20°	482.2	24.5
20°-30°	550.4	28.0
30°-40°	365.0	18.6
40°-50°	176.1	9.0
50°-60°	108.3	5.5
60°-70°	65.5	3.3
70°-80°	27.6	1.4
80°-90°	6.1	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°	1216.4	61.9
0°-40°	1581.4	80.5
0°-60°	1865.8	95.0
0°-90°	1965.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1965.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1930	1930	1930	1930	1930	
5°	1943	1964	1972	1910	1912	183
15°	1754	1754	1761	1687	1717	489
25°	1318	1274	1132	1198	1228	598
35°	745	657	350	613	655	461
45°	302	265	78	247	267	247
55°	184	149	24	149	166	161
65°	88	84	15	80	87	89
75°	32	32	9	30	34	35
85°	5	7	3	5	5	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°	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1	1930.1
2.5°	1935.1	1938.0	1943.9	1944.9	1941.9	1923.3	1907.6	1913.5	1918.4
5°	1942.9	1948.8	1963.5	1977.3	1972.4	1940.9	1909.5	1908.5	1912.5
7.5°	1914.4	1928.2	1958.6	1993.0	1992.0	1938.0	1891.9	1880.1	1880.1
10°	1858.5	1871.2	1904.6	1950.8	1949.8	1882.0	1831.0	1825.1	1826.1
12.5°	1808.4	1814.3	1831.0	1867.3	1867.3	1800.6	1761.3	1767.2	1775.0
15°	1754.4	1758.3	1754.4	1766.2	1761.3	1706.3	1686.7	1705.3	1717.1
17.5°	1677.8	1679.8	1659.2	1643.5	1624.8	1590.5	1595.4	1622.9	1625.8
20°	1570.8	1583.6	1546.3	1506.0	1488.4	1456.0	1483.4	1513.9	1511.9
22.5°	1453.0	1467.7	1419.6	1352.9	1316.5	1303.8	1352.9	1380.4	1379.4
25°	1318.5	1329.3	1274.3	1181.1	1132.0	1130.0	1197.8	1226.2	1228.2
27.5°	1167.3	1171.2	1109.4	987.7	926.8	941.5	1026.9	1066.2	1071.1
30°	1016.1	1014.2	950.3	799.2	718.7	758.9	873.8	917.0	921.9
32.5°	877.7	871.8	799.2	618.5	522.3	582.2	733.4	778.5	786.4
35°	745.2	735.3	656.8	457.5	350.5	439.8	612.6	651.9	654.8
37.5°	606.7	601.8	540.0	342.6	244.5	333.8	499.7	528.2	525.2
40°	478.1	478.1	427.1	254.3	169.8	248.4	395.7	421.2	412.3
42.5°	375.0	379.9	336.7	187.5	120.8	184.6	313.2	336.7	326.9
45°	302.4	302.4	265.1	139.4	78.5	137.4	247.4	269.0	267.0
47.5°	256.2	252.3	215.0	102.1	43.2	103.1	208.1	234.6	233.7
50°	228.8	222.9	184.6	80.5	30.4	85.4	182.6	207.2	208.1
52.5°	207.2	198.3	165.9	71.7	26.5	74.6	165.9	185.6	185.6
55°	183.6	178.7	149.2	63.8	23.6	66.8	149.2	166.9	165.9
57.5°	155.1	154.1	133.5	57.9	21.6	58.9	133.5	144.3	140.4
60°	126.6	130.6	115.8	52.0	19.6	53.0	113.9	122.7	120.8
62.5°	106.0	110.9	101.1	46.1	16.7	47.1	96.2	105.0	103.1
65°	88.4	92.3	84.4	39.3	14.7	39.3	79.5	87.4	87.4
67.5°	72.7	75.6	69.7	32.4	12.8	32.4	64.8	71.7	72.7
70°	57.9	59.9	55.0	25.5	10.8	26.5	51.1	57.9	57.9
72.5°	45.2	46.1	43.2	20.6	9.8	20.6	39.3	45.2	45.2
75°	32.4	34.4	32.4	15.7	8.8	15.7	30.4	33.4	34.4
77.5°	18.7	23.6	23.6	12.8	6.9	11.8	21.6	22.6	22.6
80°	12.8	14.7	16.7	8.8	4.9	8.8	13.7	14.7	13.7
82.5°	8.8	9.8	9.8	5.9	3.9	5.9	8.8	9.8	8.8
85°	4.9	6.9	6.9	4.9	2.9	3.9	4.9	5.9	4.9
87.5°	2.9	3.9	4.9	3.9	2.9	2.9	2.9	2.9	2.0
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)