

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: P799498

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDDWLI**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799498
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 EU6259035 6LBMDDWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

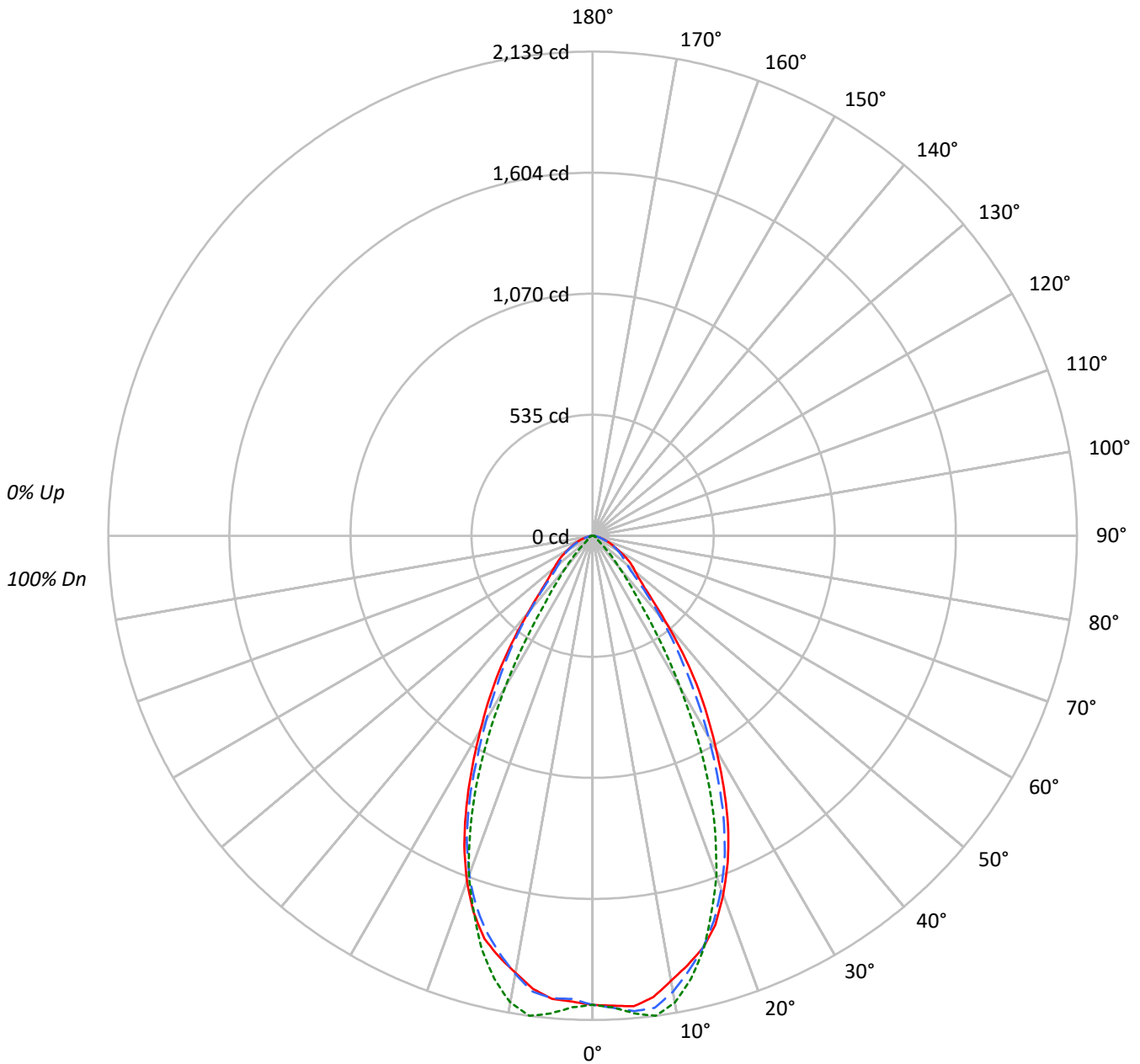
Lumens per Lamp: N/A
Luminaire Lumens: 2110.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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°	113620	113620	113620
5°	114808	116547	113009
10°	111087	116548	109150
15°	106919	107339	104643
20°	98399	93236	94712
25°	85638	73522	79771
30°	69068	48849	62662
35°	53545	25190	47060
40°	36740	13053	31688
45°	25173	6536	22227
50°	20946	2789	19061
55°	18838	2418	17032
60°	14911	2313	14220
65°	12310	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°	197.3	9.4
10°-20°	517.8	24.5
20°-30°	591.1	28.0
30°-40°	392.0	18.6
40°-50°	189.1	9.0
50°-60°	116.3	5.5
60°-70°	70.4	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°	1306.2	61.9
0°-40°	1698.1	80.5
0°-60°	2003.5	95.0
0°-90°	2110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2073	2073	2073	2073	2073	
5°	2086	2108	2118	2050	2054	196
15°	1884	1884	1891	1811	1844	525
25°	1416	1368	1216	1286	1319	642
35°	800	705	376	658	703	495
45°	325	285	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°	2072.6	2072.6	2072.6	2072.6	2072.6	2072.6	2072.6	2072.6	2072.6
2.5°	2077.8	2081.0	2087.3	2088.4	2085.2	2065.2	2048.3	2054.7	2059.9
5°	2086.3	2092.6	2108.4	2123.2	2117.9	2084.2	2050.4	2049.4	2053.6
7.5°	2055.7	2070.5	2103.1	2140.0	2139.0	2081.0	2031.5	2018.8	2018.8
10°	1995.6	2009.3	2045.2	2094.7	2093.7	2020.9	1966.1	1959.8	1960.8
12.5°	1941.9	1948.2	1966.1	2005.1	2005.1	1933.4	1891.3	1897.6	1906.0
15°	1883.9	1888.1	1883.9	1896.5	1891.3	1832.2	1811.1	1831.2	1843.8
17.5°	1801.6	1803.8	1781.6	1764.7	1744.7	1707.8	1713.1	1742.6	1745.8
20°	1686.7	1700.4	1660.4	1617.2	1598.2	1563.4	1592.9	1625.6	1623.5
22.5°	1560.2	1576.0	1524.4	1452.7	1413.7	1400.0	1452.7	1482.2	1481.2
25°	1415.8	1427.4	1368.4	1268.2	1215.5	1213.4	1286.1	1316.7	1318.8
27.5°	1253.5	1257.7	1191.3	1060.5	995.2	1011.0	1102.7	1144.9	1150.1
30°	1091.1	1089.0	1020.5	858.1	771.7	814.9	938.2	984.6	989.9
32.5°	942.5	936.1	858.1	664.2	560.8	625.1	787.5	836.0	844.4
35°	800.1	789.6	705.3	491.3	376.4	472.3	657.8	700.0	703.2
37.5°	651.5	646.2	579.8	367.9	262.5	358.4	536.6	567.2	564.0
40°	513.4	513.4	458.6	273.0	182.4	266.7	424.8	452.3	442.8
42.5°	402.7	408.0	361.6	201.4	129.7	198.2	336.3	361.6	351.1
45°	324.7	324.7	284.6	149.7	84.3	147.6	265.7	288.9	286.7
47.5°	275.1	270.9	230.9	109.6	46.4	110.7	223.5	252.0	250.9
50°	245.6	239.3	198.2	86.4	32.7	91.7	196.1	222.4	223.5
52.5°	222.4	213.0	178.2	77.0	28.5	80.1	178.2	199.2	199.2
55°	197.1	191.9	160.2	68.5	25.3	71.7	160.2	179.2	178.2
57.5°	166.6	165.5	143.4	62.2	23.2	63.3	143.4	155.0	150.8
60°	136.0	140.2	124.4	55.9	21.1	56.9	122.3	131.8	129.7
62.5°	113.9	119.1	108.6	49.5	17.9	50.6	103.3	112.8	110.7
65°	94.9	99.1	90.7	42.2	15.8	42.2	85.4	93.8	93.8
67.5°	78.0	81.2	74.8	34.8	13.7	34.8	69.6	77.0	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	42.2	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	12.7	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)