

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: P799502

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDSWGPH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259035 6LBMDSWGPH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH GPH FINISH
Light Source: -
Ballast/Driver: -

Summary

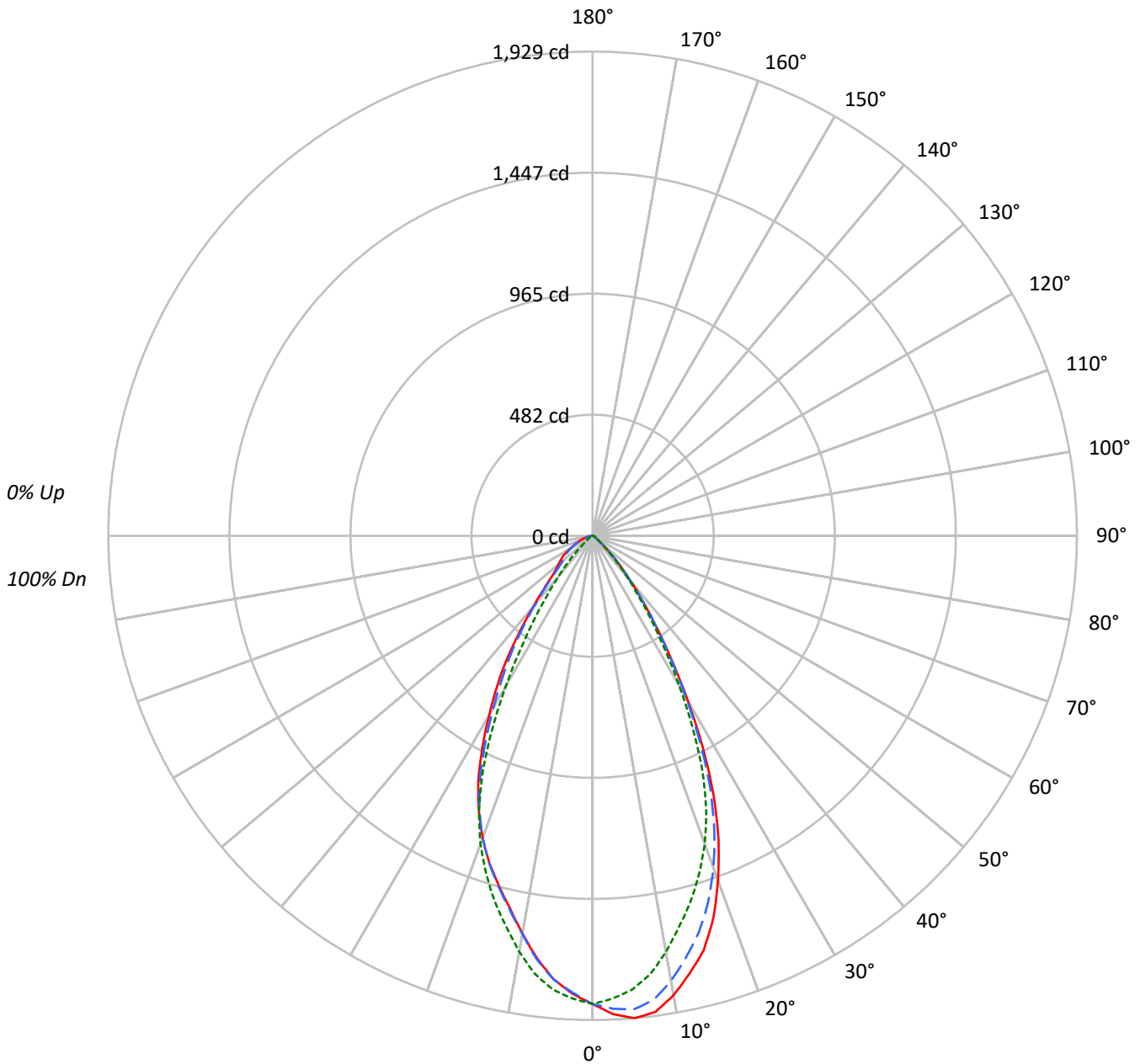
Lumens per Lamp: N/A
Luminaire Lumens: 1606.0 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100				
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	102256	102256	102256
5°	106147	99862	97600
10°	103433	93669	89544
15°	97004	85591	81890
20°	85162	76196	74737
25°	68877	62598	65175
30°	47881	43602	52160
35°	29513	26709	39371
40°	16703	14971	26142
45°	8109	7737	17847
50°	3087	3087	15164
55°	1692	1998	14002
60°	1239	1590	11468
65°	1038	1362	9391
70°	898	1154	7742
75°	847	1186	6651
80°	505	1010	4830
85°	503	2013	4529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	10.6
10°-20°	429.2	26.7
20°-30°	483.2	30.1
30°-40°	299.2	18.6
40°-50°	119.1	7.4
50°-60°	54.2	3.4
60°-70°	31.2	1.9
70°-80°	14.8	0.9
80°-90°	4.3	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°	1083.1	67.4
0°-40°	1382.3	86.1
0°-60°	1555.7	96.9
0°-90°	1606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1606.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1865	1865	1865	1865	1865	
5°	1929	1894	1815	1775	1774	182
15°	1709	1635	1508	1447	1443	473
25°	1139	1108	1035	1061	1078	512
35°	441	439	399	556	588	283
45°	105	105	100	217	230	89
55°	18	17	21	129	146	18
65°	8	7	10	72	72	8
75°	4	4	6	31	31	4
85°	1	1	3	7	7	1
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°	1865.3	1865.3	1865.3	1865.3	1865.3	1865.3	1865.3	1865.3	1865.3
2.5°	1908.0	1890.3	1886.3	1871.0	1845.2	1830.7	1821.9	1815.5	1826.7
5°	1928.9	1909.6	1893.5	1862.1	1814.7	1788.1	1775.2	1764.8	1773.6
7.5°	1913.6	1886.3	1864.5	1821.1	1760.7	1719.7	1702.0	1689.9	1698.0
10°	1858.1	1825.1	1800.2	1748.7	1682.7	1633.6	1611.9	1600.6	1608.6
12.5°	1785.7	1758.3	1720.5	1664.2	1593.4	1541.8	1525.8	1516.9	1520.1
15°	1709.2	1677.0	1635.2	1578.9	1508.1	1456.5	1446.9	1441.3	1442.9
17.5°	1598.2	1566.8	1530.6	1475.9	1410.7	1368.8	1368.8	1364.8	1367.2
20°	1459.8	1442.9	1407.5	1361.6	1306.1	1268.2	1280.3	1276.3	1281.1
22.5°	1310.1	1297.2	1266.6	1228.8	1182.1	1152.4	1178.9	1178.1	1184.6
25°	1138.7	1129.0	1108.1	1075.9	1034.9	1016.4	1060.6	1060.6	1077.5
27.5°	949.6	939.9	925.4	898.1	864.3	858.6	923.8	931.9	950.4
30°	756.4	750.0	742.0	717.0	688.8	699.3	789.4	803.1	824.0
32.5°	584.2	580.2	577.8	555.3	530.3	564.9	667.9	685.6	706.5
35°	441.0	432.1	438.6	421.7	399.1	442.6	556.1	571.4	588.3
37.5°	325.1	318.7	324.3	312.2	292.1	339.6	446.6	456.3	467.5
40°	233.4	227.7	232.6	225.3	209.2	253.5	350.1	360.5	365.3
42.5°	165.8	156.1	160.9	155.3	147.3	190.7	275.2	284.9	286.5
45°	104.6	101.4	104.6	101.4	99.8	141.6	217.3	226.1	230.2
47.5°	63.6	59.5	59.5	57.9	59.5	104.6	179.5	192.3	198.8
50°	36.2	34.6	33.8	33.0	36.2	82.1	155.3	169.8	177.8
52.5°	24.1	23.3	23.3	22.5	26.6	69.2	140.0	152.9	160.9
55°	17.7	16.9	16.9	16.9	20.9	59.5	128.8	139.2	146.5
57.5°	13.7	13.7	13.7	12.9	17.7	50.7	115.1	120.7	126.3
60°	11.3	10.5	10.5	10.5	14.5	43.5	99.0	101.4	104.6
62.5°	8.9	8.9	8.9	8.9	12.1	38.6	85.3	85.3	86.9
65°	8.0	7.2	7.2	7.2	10.5	33.8	71.6	70.8	72.4
67.5°	6.4	6.4	6.4	6.4	8.9	29.0	58.7	57.9	59.5
70°	5.6	5.6	5.6	5.6	7.2	24.1	47.5	46.7	48.3
72.5°	4.8	4.8	4.8	4.8	6.4	20.1	37.8	37.8	38.6
75°	4.0	4.0	4.0	4.0	5.6	15.3	30.6	30.6	31.4
77.5°	3.2	3.2	3.2	3.2	4.0	12.1	23.3	22.5	22.5
80°	1.6	2.4	2.4	2.4	3.2	8.9	16.9	15.3	15.3
82.5°	0.8	1.6	1.6	1.6	3.2	6.4	11.3	10.5	10.5
85°	0.8	0.8	0.8	2.4	3.2	4.8	7.2	7.2	7.2
87.5°	0.0	0.8	1.6	3.2	4.0	4.0	4.8	4.0	4.0
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)