

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: P799478

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWGPH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799478  
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 EU6259027 6LBMDSWGPH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

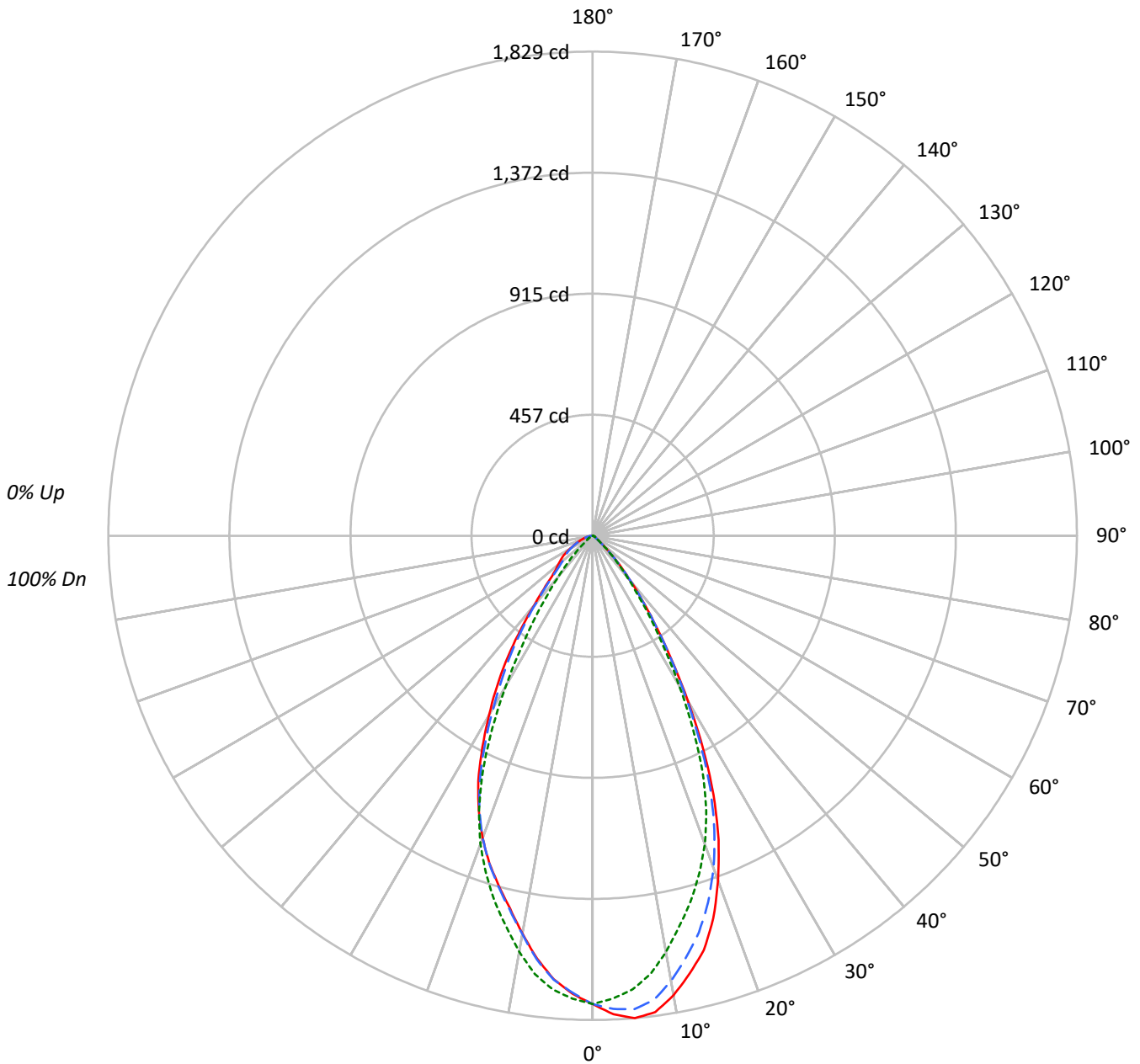
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1523.0 lumens  
Efficiency: N/A  
Efficacy: 48.3 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<sub>in</sub>): 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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	96971	96971	96971
5°	100660	94700	92554
10°	98089	88826	84918
15°	91993	81164	77657
20°	80758	72258	70875
25°	65314	59362	61806
30°	45406	41348	49463
35°	27987	25330	37336
40°	15837	14198	24796
45°	7691	7334	16924
50°	2925	2925	14388
55°	1606	1892	13276
60°	1173	1502	10876
65°	986	1284	8911
70°	850	1106	7341
75°	805	1123	6312
80°	474	979	4578
85°	503	1950	4340



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.9	10.6
10°-20°	407.0	26.7
20°-30°	458.2	30.1
30°-40°	283.7	18.6
40°-50°	113.0	7.4
50°-60°	51.4	3.4
60°-70°	29.6	1.9
70°-80°	14.0	0.9
80°-90°	4.1	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°	1027.2	67.4
0°-40°	1310.9	86.1
0°-60°	1475.3	96.9
0°-90°	1523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1769	1769	1769	1769	1769	
5°	1829	1796	1721	1684	1682	172
15°	1621	1551	1430	1372	1368	448
25°	1080	1051	981	1006	1022	485
35°	418	416	378	527	558	269
45°	99	99	95	206	218	84
55°	17	16	20	122	139	17
65°	8	7	10	68	69	7
75°	4	4	5	29	30	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°	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9	1768.9
2.5°	1809.4	1792.6	1788.8	1774.3	1749.9	1736.1	1727.7	1721.6	1732.3
5°	1829.2	1810.9	1795.7	1765.9	1720.9	1695.7	1683.5	1673.6	1681.9
7.5°	1814.7	1788.8	1768.2	1727.0	1669.7	1630.8	1614.0	1602.6	1610.2
10°	1762.1	1730.8	1707.1	1658.3	1595.7	1549.2	1528.6	1517.9	1525.5
12.5°	1693.4	1667.4	1631.6	1578.2	1511.0	1462.2	1446.9	1438.5	1441.6
15°	1620.9	1590.4	1550.7	1497.3	1430.1	1381.3	1372.1	1366.8	1368.3
17.5°	1515.6	1485.8	1451.5	1399.6	1337.8	1298.1	1298.1	1294.3	1296.6
20°	1384.3	1368.3	1334.7	1291.2	1238.6	1202.7	1214.1	1210.3	1214.9
22.5°	1242.4	1230.2	1201.2	1165.3	1121.0	1092.8	1118.0	1117.2	1123.3
25°	1079.8	1070.7	1050.8	1020.3	981.4	963.8	1005.8	1005.8	1021.8
27.5°	900.5	891.3	877.6	851.7	819.6	814.3	876.1	883.7	901.3
30°	717.3	711.2	703.6	680.0	653.2	663.2	748.6	761.6	781.4
32.5°	554.0	550.2	547.9	526.6	502.9	535.7	633.4	650.2	670.0
35°	418.2	409.8	415.9	399.9	378.5	419.7	527.3	541.8	557.9
37.5°	308.3	302.2	307.5	296.1	277.0	322.0	423.5	432.7	443.4
40°	221.3	216.0	220.5	213.7	198.4	240.4	332.0	341.9	346.5
42.5°	157.2	148.0	152.6	147.3	139.7	180.9	261.0	270.1	271.7
45°	99.2	96.2	99.2	96.2	94.6	134.3	206.0	214.4	218.3
47.5°	60.3	56.5	56.5	54.9	56.5	99.2	170.2	182.4	188.5
50°	34.3	32.8	32.1	31.3	34.3	77.8	147.3	161.0	168.7
52.5°	22.9	22.1	22.1	21.4	25.2	65.6	132.8	145.0	152.6
55°	16.8	16.0	16.0	16.0	19.8	56.5	122.1	132.0	138.9
57.5°	13.0	13.0	13.0	12.2	16.8	48.1	109.1	114.5	119.8
60°	10.7	9.9	9.9	9.9	13.7	41.2	93.9	96.2	99.2
62.5°	8.4	8.4	8.4	8.4	11.4	36.6	80.9	80.9	82.4
65°	7.6	6.9	6.9	6.9	9.9	32.1	67.9	67.2	68.7
67.5°	6.1	6.1	6.1	6.1	8.4	27.5	55.7	54.9	56.5
70°	5.3	5.3	5.3	5.3	6.9	22.9	45.0	44.3	45.8
72.5°	4.6	4.6	4.6	4.6	6.1	19.1	35.9	35.9	36.6
75°	3.8	3.8	3.8	3.8	5.3	14.5	29.0	29.0	29.8
77.5°	3.1	3.1	3.1	3.1	3.8	11.4	22.1	21.4	21.4
80°	1.5	2.3	2.3	2.3	3.1	8.4	16.0	14.5	14.5
82.5°	0.8	1.5	1.5	1.5	3.1	6.1	10.7	9.9	9.9
85°	0.8	0.8	0.8	2.3	3.1	4.6	6.9	6.9	6.9
87.5°	0.0	0.8	1.5	3.1	3.8	3.8	4.6	3.8	3.8
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)