

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: P799511

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWMW**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799511  
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 EU6259040 6LBMDDWMW  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

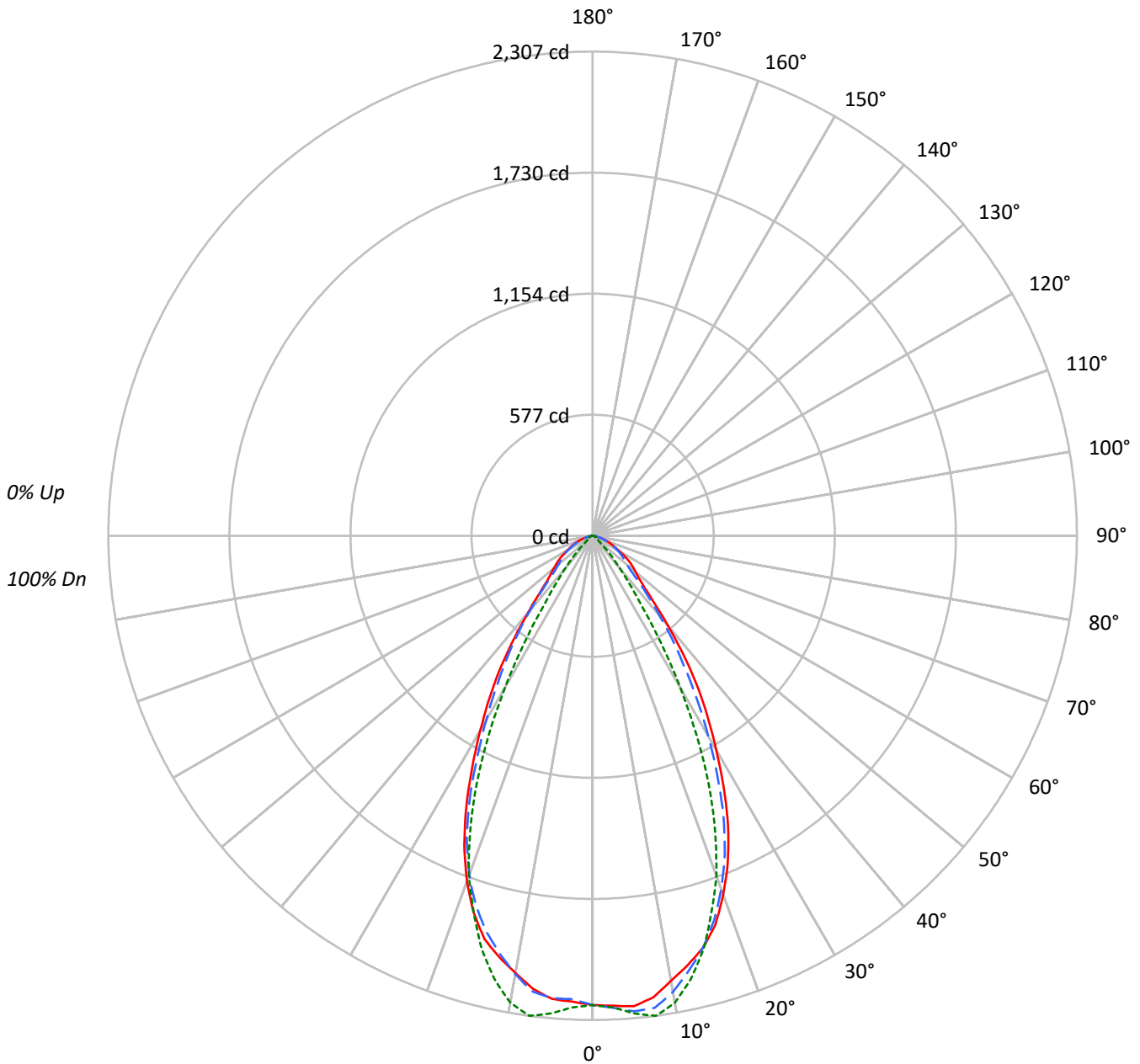
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2276.0 lumens  
Efficiency: N/A  
Efficacy: 72.3 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<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

TEST NUMBER: P799511

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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			
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°	122556	122556	122556
5°	123839	125715	121902
10°	119826	125716	117739
15°	115330	115778	112878
20°	106141	100570	102162
25°	92376	79305	86049
30°	74499	52692	67593
35°	57761	27171	50761
40°	39631	14076	34178
45°	27150	7055	23979
50°	22601	3011	20562
55°	20319	2609	18370
60°	16084	2489	15339
65°	13270	2218	13127
70°	10755	2004	10755
75°	7943	2160	8430
80°	4672	1799	5020
85°	3585	2139	3585



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.8	9.4
10°-20°	558.6	24.5
20°-30°	637.6	28.0
30°-40°	422.8	18.6
40°-50°	203.9	9.0
50°-60°	125.4	5.5
60°-70°	75.9	3.3
70°-80°	31.9	1.4
80°-90°	7.0	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°	1408.9	61.9
0°-40°	1831.7	80.5
0°-60°	2161.1	95.0
0°-90°	2276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2236	2236	2236	2236	2236	
5°	2250	2274	2284	2212	2215	211
15°	2032	2032	2040	1954	1989	566
25°	1527	1476	1311	1387	1423	692
35°	863	761	406	710	758	534
45°	350	307	91	287	309	286
55°	213	173	27	173	192	187
65°	102	98	17	92	101	103
75°	38	38	10	35	40	40
85°	6	8	3	6	6	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°	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6	2235.6
2.5°	2241.3	2244.7	2251.6	2252.7	2249.3	2227.7	2209.5	2216.3	2222.0
5°	2250.4	2257.2	2274.3	2290.2	2284.5	2248.1	2211.8	2210.6	2215.2
7.5°	2217.4	2233.4	2268.6	2308.4	2307.3	2244.7	2191.3	2177.6	2177.6
10°	2152.6	2167.4	2206.1	2259.5	2258.4	2179.9	2120.8	2114.0	2115.1
12.5°	2094.6	2101.4	2120.8	2162.9	2162.9	2085.5	2040.0	2046.9	2056.0
15°	2032.1	2036.6	2032.1	2045.7	2040.0	1976.4	1953.6	1975.2	1988.9
17.5°	1943.4	1945.7	1921.8	1903.6	1882.0	1842.2	1847.9	1879.7	1883.1
20°	1819.4	1834.2	1791.0	1744.4	1723.9	1686.4	1718.2	1753.5	1751.2
22.5°	1683.0	1700.0	1644.3	1567.0	1524.9	1510.1	1567.0	1598.8	1597.7
25°	1527.2	1539.7	1476.0	1368.0	1311.1	1308.9	1387.3	1420.3	1422.6
27.5°	1352.1	1356.6	1285.0	1144.0	1073.5	1090.5	1189.5	1234.9	1240.6
30°	1176.9	1174.7	1100.8	925.6	832.4	879.0	1012.1	1062.1	1067.8
32.5°	1016.6	1009.8	925.6	716.4	605.0	674.3	849.4	901.8	910.9
35°	863.1	851.7	760.8	529.9	406.0	509.4	709.6	755.1	758.5
37.5°	702.8	697.1	625.4	396.9	283.1	386.6	578.8	611.8	608.4
40°	553.8	553.8	494.7	294.5	196.7	287.7	458.3	487.8	477.6
42.5°	434.4	440.1	390.0	217.2	139.9	213.8	362.8	390.0	378.7
45°	350.2	350.2	307.0	161.5	91.0	159.2	286.6	311.6	309.3
47.5°	296.8	292.2	249.0	118.3	50.0	119.4	241.1	271.8	270.6
50°	265.0	258.1	213.8	93.2	35.3	98.9	211.5	239.9	241.1
52.5°	239.9	229.7	192.2	83.0	30.7	86.4	192.2	214.9	214.9
55°	212.6	207.0	172.8	73.9	27.3	77.3	172.8	193.3	192.2
57.5°	179.7	178.5	154.7	67.1	25.0	68.2	154.7	167.2	162.6
60°	146.7	151.2	134.2	60.3	22.7	61.4	131.9	142.1	139.9
62.5°	122.8	128.5	117.1	53.4	19.3	54.6	111.4	121.7	119.4
65°	102.3	106.9	97.8	45.5	17.1	45.5	92.1	101.2	101.2
67.5°	84.1	87.6	80.7	37.5	14.8	37.5	75.1	83.0	84.1
70°	67.1	69.4	63.7	29.6	12.5	30.7	59.1	67.1	67.1
72.5°	52.3	53.4	50.0	23.9	11.4	23.9	45.5	52.3	52.3
75°	37.5	39.8	37.5	18.2	10.2	18.2	35.3	38.7	39.8
77.5°	21.6	27.3	27.3	14.8	8.0	13.6	25.0	26.2	26.2
80°	14.8	17.1	19.3	10.2	5.7	10.2	15.9	17.1	15.9
82.5°	10.2	11.4	11.4	6.8	4.5	6.8	10.2	11.4	10.2
85°	5.7	8.0	8.0	5.7	3.4	4.5	5.7	6.8	5.7
87.5°	3.4	4.5	5.7	4.5	3.4	3.4	3.4	3.4	2.3
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)