

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: P799491

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799491  
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 EU6259030 6LBMDSWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

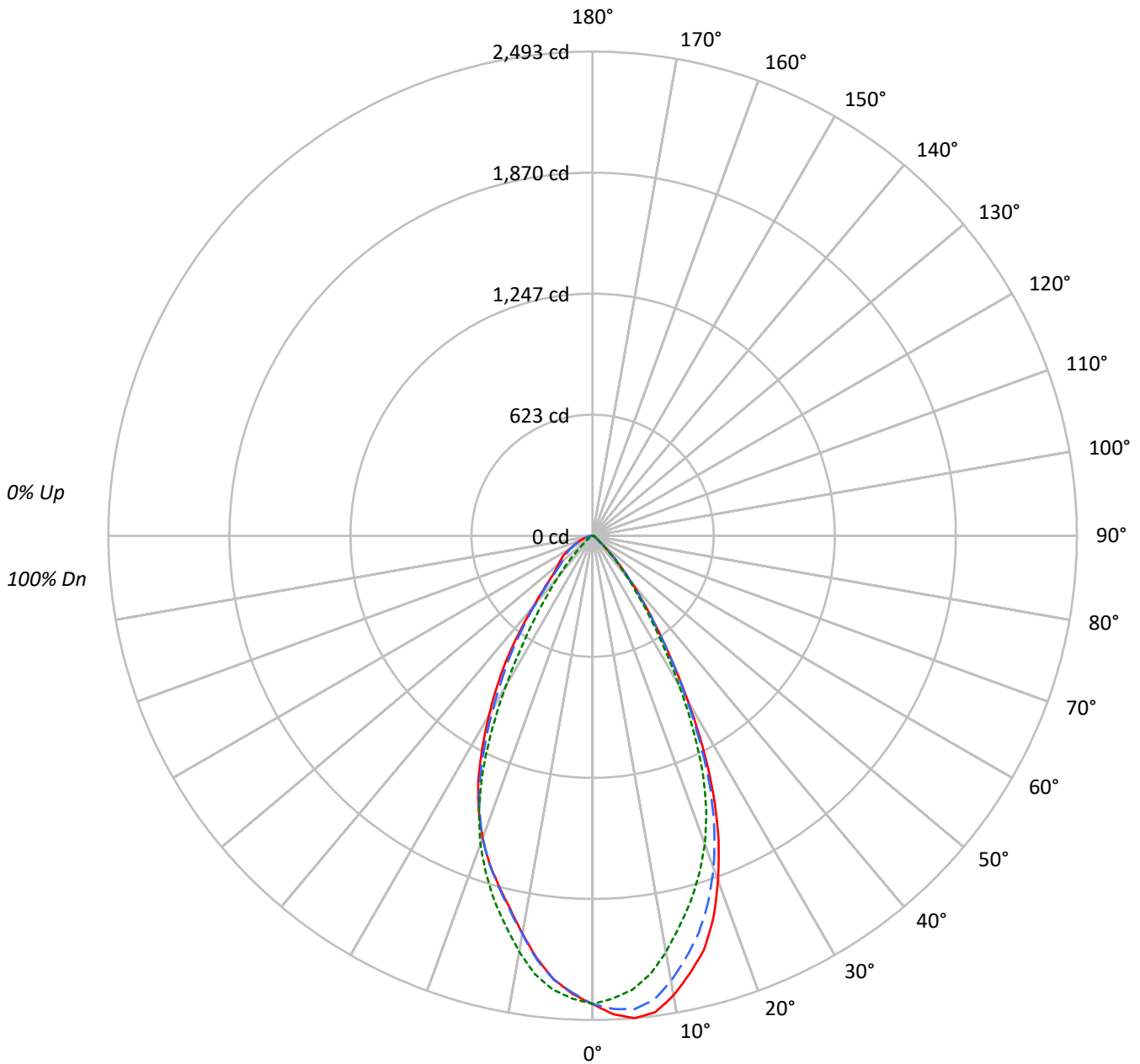
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2076.0 lumens  
Efficiency: N/A  
Efficacy: 65.9 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

TEST NUMBER: P799491

CATALOG NUMBER: LD6C25D010 EU6259030 6LBMSWH

### 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°	132182	132182	132182
5°	137211	129083	126166
10°	133704	121079	115752
15°	125392	110636	105852
20°	110085	98493	96608
25°	89031	80914	84253
30°	61896	56363	67428
35°	38146	34532	50888
40°	21590	19358	33799
45°	10482	10001	23064
50°	3991	3991	19607
55°	2189	2581	18093
60°	1601	2050	14823
65°	1349	1751	12141
70°	1170	1507	10002
75°	1101	1546	8599
80°	663	1326	6251
85°	629	2642	5913



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.7	10.6
10°-20°	554.8	26.7
20°-30°	624.6	30.1
30°-40°	386.7	18.6
40°-50°	154.0	7.4
50°-60°	70.1	3.4
60°-70°	40.3	1.9
70°-80°	19.1	0.9
80°-90°	5.6	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°	1400.1	67.4
0°-40°	1786.8	86.1
0°-60°	2011.0	96.9
0°-90°	2076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2411	2411	2411	2411	2411	
5°	2493	2448	2346	2295	2293	235
15°	2209	2114	1949	1870	1865	611
25°	1472	1432	1338	1371	1393	662
35°	570	567	516	719	760	366
45°	135	135	129	281	298	115
55°	23	22	27	166	189	23
65°	10	9	14	93	94	10
75°	5	5	7	40	41	5
85°	1	1	4	9	9	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°	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2	2411.2
2.5°	2466.4	2443.5	2438.3	2418.5	2385.2	2366.5	2355.1	2346.8	2361.3
5°	2493.4	2468.5	2447.7	2407.1	2345.7	2311.4	2294.7	2281.2	2292.7
7.5°	2473.7	2438.3	2410.2	2354.0	2276.0	2223.0	2200.1	2184.5	2194.9
10°	2401.9	2359.2	2327.0	2260.4	2175.1	2111.7	2083.6	2069.0	2079.4
12.5°	2308.3	2272.9	2224.0	2151.2	2059.7	1993.1	1972.3	1960.8	1965.0
15°	2209.4	2167.8	2113.7	2040.9	1949.4	1882.8	1870.3	1863.0	1865.1
17.5°	2065.9	2025.3	1978.5	1907.8	1823.5	1769.4	1769.4	1764.2	1767.3
20°	1887.0	1865.1	1819.4	1760.1	1688.3	1639.4	1655.0	1649.8	1656.0
22.5°	1693.5	1676.8	1637.3	1588.4	1528.1	1489.6	1523.9	1522.9	1531.2
25°	1471.9	1459.4	1432.4	1390.8	1337.7	1313.8	1371.0	1371.0	1392.9
27.5°	1227.5	1215.0	1196.3	1160.9	1117.2	1109.9	1194.2	1204.6	1228.5
30°	977.8	969.5	959.1	926.8	890.4	904.0	1020.5	1038.1	1065.2
32.5°	755.2	750.0	746.9	717.8	685.5	730.2	863.4	886.3	913.3
35°	570.0	558.6	566.9	545.1	516.0	572.1	718.8	738.6	760.4
37.5°	420.3	411.9	419.2	403.6	377.6	439.0	577.3	589.8	604.4
40°	301.7	294.4	300.6	291.3	270.5	327.7	452.5	466.0	472.3
42.5°	214.3	201.8	208.0	200.8	190.4	246.5	355.8	368.2	370.3
45°	135.2	131.1	135.2	131.1	129.0	183.1	280.9	292.3	297.5
47.5°	82.2	77.0	77.0	74.9	77.0	135.2	232.0	248.6	256.9
50°	46.8	44.7	43.7	42.6	46.8	106.1	200.8	219.5	229.9
52.5°	31.2	30.2	30.2	29.1	34.3	89.5	181.0	197.6	208.0
55°	22.9	21.8	21.8	21.8	27.0	77.0	166.4	180.0	189.3
57.5°	17.7	17.7	17.7	16.6	22.9	65.5	148.8	156.0	163.3
60°	14.6	13.5	13.5	13.5	18.7	56.2	127.9	131.1	135.2
62.5°	11.4	11.4	11.4	11.4	15.6	49.9	110.3	110.3	112.3
65°	10.4	9.4	9.4	9.4	13.5	43.7	92.6	91.5	93.6
67.5°	8.3	8.3	8.3	8.3	11.4	37.4	75.9	74.9	77.0
70°	7.3	7.3	7.3	7.3	9.4	31.2	61.4	60.3	62.4
72.5°	6.2	6.2	6.2	6.2	8.3	26.0	48.9	48.9	49.9
75°	5.2	5.2	5.2	5.2	7.3	19.8	39.5	39.5	40.6
77.5°	4.2	4.2	4.2	4.2	5.2	15.6	30.2	29.1	29.1
80°	2.1	3.1	3.1	3.1	4.2	11.4	21.8	19.8	19.8
82.5°	1.0	2.1	2.1	2.1	4.2	8.3	14.6	13.5	13.5
85°	1.0	1.0	1.0	3.1	4.2	6.2	9.4	9.4	9.4
87.5°	0.0	1.0	2.1	4.2	5.2	5.2	6.2	5.2	5.2
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)