

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: P799482

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799482  
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 6LBMDSWWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

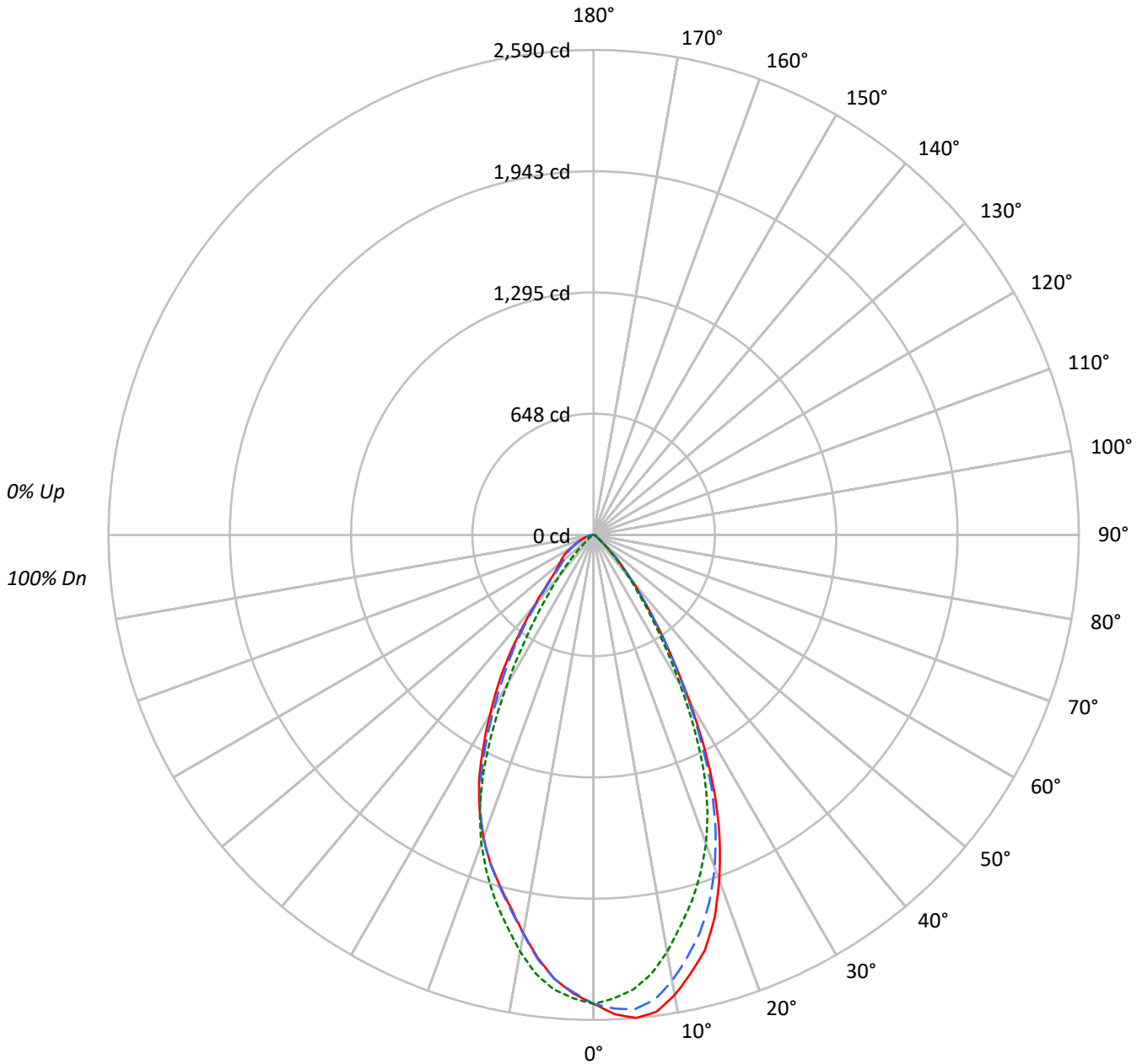
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2156.0 lumens  
Efficiency: N/A  
Efficacy: 68.4 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
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°	137281	137281	137281
5°	142499	134058	131025
10°	138853	125744	120210
15°	130228	114899	109933
20°	114326	102285	100336
25°	92461	84035	87495
30°	64282	58534	70023
35°	39618	35857	52849
40°	22421	20102	35101
45°	10885	10389	23956
50°	4145	4145	20358
55°	2275	2686	18790
60°	1656	2127	15394
65°	1401	1816	12608
70°	1218	1555	10386
75°	1144	1610	8917
80°	695	1357	6472
85°	692	2705	6101



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.3	10.6
10°-20°	576.2	26.7
20°-30°	648.6	30.1
30°-40°	401.6	18.6
40°-50°	159.9	7.4
50°-60°	72.8	3.4
60°-70°	41.9	1.9
70°-80°	19.9	0.9
80°-90°	5.8	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°	1454.1	67.4
0°-40°	1855.7	86.1
0°-60°	2088.5	96.9
0°-90°	2156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2504	2504	2504	2504	2504	
5°	2590	2542	2436	2383	2381	244
15°	2295	2195	2024	1942	1937	635
25°	1529	1488	1389	1424	1446	687
35°	592	589	536	746	790	380
45°	140	140	134	292	309	119
55°	24	23	28	173	197	24
65°	11	10	14	96	97	11
75°	5	5	8	41	42	6
85°	1	1	4	10	10	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°	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2	2504.2
2.5°	2561.4	2537.7	2532.3	2511.7	2477.2	2457.7	2445.8	2437.2	2452.3
5°	2589.5	2563.6	2542.0	2499.8	2436.1	2400.5	2383.2	2369.1	2381.0
7.5°	2569.0	2532.3	2503.1	2444.7	2363.7	2308.6	2284.9	2268.7	2279.5
10°	2494.4	2450.2	2416.7	2347.5	2258.9	2193.0	2163.9	2148.7	2159.5
12.5°	2397.2	2360.5	2309.7	2234.1	2139.0	2069.9	2048.3	2036.4	2040.7
15°	2294.6	2251.4	2195.2	2119.6	2024.5	1955.4	1942.4	1934.8	1937.0
17.5°	2145.5	2103.4	2054.8	1981.3	1893.8	1837.6	1837.6	1832.2	1835.5
20°	1959.7	1937.0	1889.5	1827.9	1753.3	1702.6	1718.8	1713.4	1719.9
22.5°	1758.8	1741.5	1700.4	1649.6	1587.0	1547.0	1582.7	1581.6	1590.2
25°	1528.6	1515.7	1487.6	1444.4	1389.3	1364.4	1423.9	1423.9	1446.5
27.5°	1274.8	1261.8	1242.4	1205.6	1160.3	1152.7	1240.2	1251.0	1275.9
30°	1015.5	1006.9	996.0	962.6	924.7	938.8	1059.8	1078.2	1106.2
32.5°	784.3	778.9	775.7	745.4	711.9	758.4	896.7	920.4	948.5
35°	592.0	580.1	588.8	566.1	535.8	594.2	746.5	767.0	789.7
37.5°	436.4	427.8	435.4	419.2	392.2	455.9	599.6	612.5	627.7
40°	313.3	305.7	312.2	302.5	280.9	340.3	469.9	484.0	490.5
42.5°	222.5	209.6	216.1	208.5	197.7	256.0	369.5	382.4	384.6
45°	140.4	136.1	140.4	136.1	134.0	190.1	291.7	303.6	309.0
47.5°	85.3	79.9	79.9	77.8	79.9	140.4	240.9	258.2	266.8
50°	48.6	46.5	45.4	44.3	48.6	110.2	208.5	227.9	238.7
52.5°	32.4	31.3	31.3	30.2	35.7	92.9	188.0	205.3	216.1
55°	23.8	22.7	22.7	22.7	28.1	79.9	172.9	186.9	196.6
57.5°	18.4	18.4	18.4	17.3	23.8	68.1	154.5	162.0	169.6
60°	15.1	14.0	14.0	14.0	19.4	58.3	132.9	136.1	140.4
62.5°	11.9	11.9	11.9	11.9	16.2	51.9	114.5	114.5	116.7
65°	10.8	9.7	9.7	9.7	14.0	45.4	96.1	95.1	97.2
67.5°	8.6	8.6	8.6	8.6	11.9	38.9	78.9	77.8	79.9
70°	7.6	7.6	7.6	7.6	9.7	32.4	63.7	62.7	64.8
72.5°	6.5	6.5	6.5	6.5	8.6	27.0	50.8	50.8	51.9
75°	5.4	5.4	5.4	5.4	7.6	20.5	41.1	41.1	42.1
77.5°	4.3	4.3	4.3	4.3	5.4	16.2	31.3	30.2	30.2
80°	2.2	3.2	3.2	3.2	4.3	11.9	22.7	20.5	20.5
82.5°	1.1	2.2	2.2	2.2	4.3	8.6	15.1	14.0	14.0
85°	1.1	1.1	1.1	3.2	4.3	6.5	9.7	9.7	9.7
87.5°	0.0	1.1	2.2	4.3	5.4	5.4	6.5	5.4	5.4
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)