

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: P799524

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799524  
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 EU6259050 6LBMDDWWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

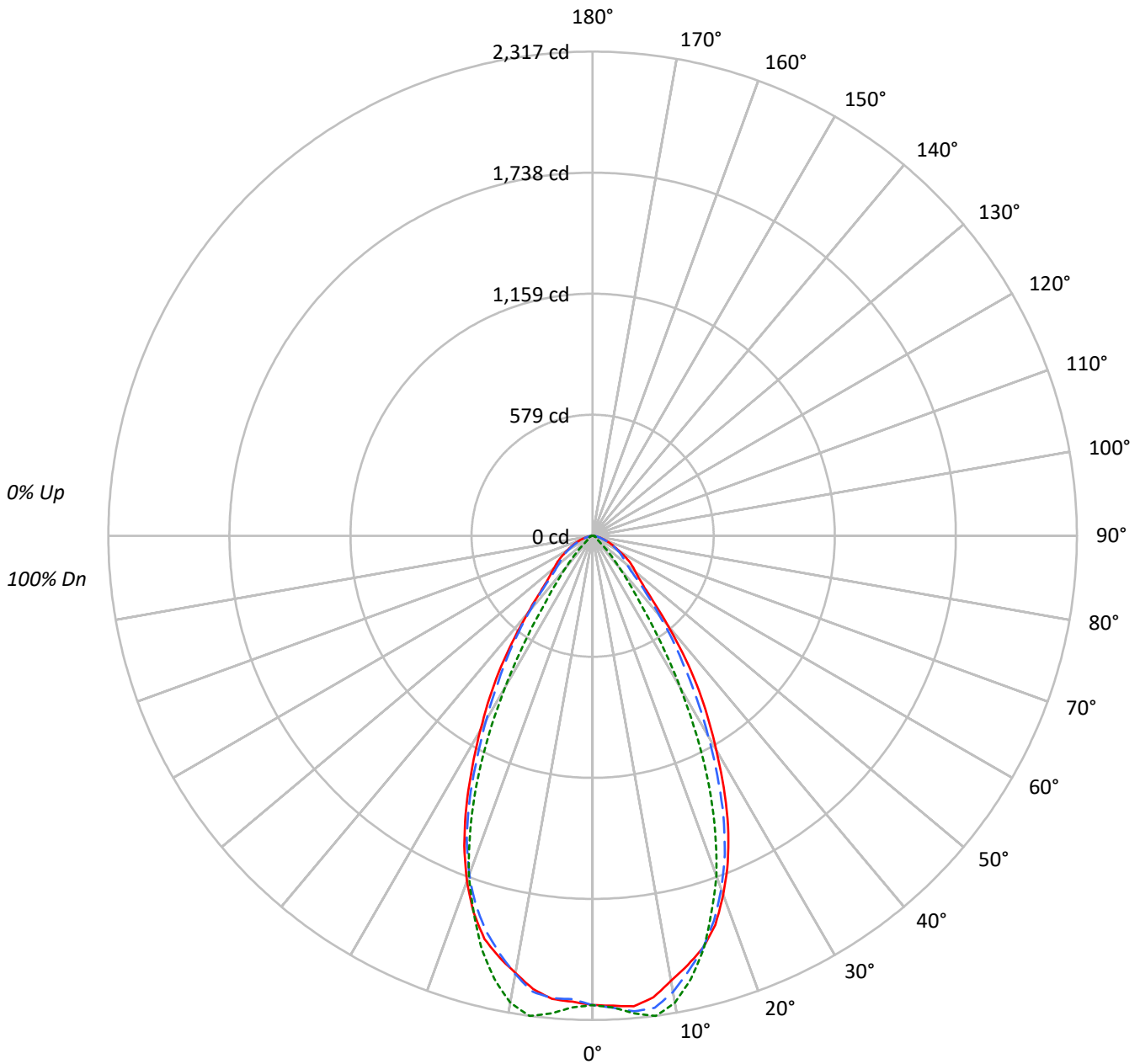
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2286.0 lumens  
Efficiency: N/A  
Efficacy: 72.6 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

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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	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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91					91			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64					64			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59					59			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45					45			

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

	0°	90°	180°
0°	123099	123099	123099
5°	124383	126271	122435
10°	120355	126267	118257
15°	115835	116289	113372
20°	106608	101013	102611
25°	92782	79656	86424
30°	74828	52920	67890
35°	58016	27285	50982
40°	39803	14141	34329
45°	27274	7086	24088
50°	22694	3019	20648
55°	20415	2619	18446
60°	16150	2500	15404
65°	13335	2218	13192
70°	10803	2020	10803
75°	7985	2182	8472
80°	4672	1799	5051
85°	3585	2139	3585



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.7	9.4
10°-20°	561.0	24.5
20°-30°	640.4	28.0
30°-40°	424.7	18.6
40°-50°	204.8	9.0
50°-60°	126.0	5.5
60°-70°	76.2	3.3
70°-80°	32.1	1.4
80°-90°	7.1	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°	1415.1	61.9
0°-40°	1839.8	80.5
0°-60°	2170.6	95.0
0°-90°	2286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2246	2246	2246	2246	2246	
5°	2260	2284	2295	2222	2225	212
15°	2041	2041	2049	1962	1998	569
25°	1534	1482	1317	1393	1429	696
35°	867	764	408	713	762	536
45°	352	308	91	288	311	287
55°	214	174	27	174	193	188
65°	103	98	17	92	102	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°	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5	2245.5
2.5°	2251.2	2254.6	2261.4	2262.6	2259.2	2237.5	2219.2	2226.0	2231.7
5°	2260.3	2267.2	2284.3	2300.3	2294.6	2258.0	2221.5	2220.3	2224.9
7.5°	2227.2	2243.2	2278.6	2318.6	2317.4	2254.6	2200.9	2187.2	2187.2
10°	2162.1	2176.9	2215.8	2269.4	2268.3	2189.5	2130.1	2123.2	2124.4
12.5°	2103.8	2110.7	2130.1	2172.4	2172.4	2094.7	2049.0	2055.9	2065.0
15°	2041.0	2045.6	2041.0	2054.7	2049.0	1985.0	1962.2	1983.9	1997.6
17.5°	1951.9	1954.2	1930.2	1911.9	1890.2	1850.3	1856.0	1888.0	1891.4
20°	1827.4	1842.3	1798.9	1752.0	1731.5	1693.8	1725.8	1761.2	1758.9
22.5°	1690.4	1707.5	1651.5	1573.9	1531.6	1516.8	1573.9	1605.9	1604.7
25°	1533.9	1546.5	1482.5	1374.0	1316.9	1314.6	1393.4	1426.5	1428.8
27.5°	1358.0	1362.6	1290.6	1149.0	1078.2	1095.3	1194.7	1240.4	1246.1
30°	1182.1	1179.8	1105.6	929.7	836.0	882.9	1016.5	1066.8	1072.5
32.5°	1021.1	1014.2	929.7	719.6	607.6	677.3	853.2	905.7	914.9
35°	866.9	855.5	764.1	532.2	407.7	511.7	712.7	758.4	761.8
37.5°	705.8	700.1	628.2	398.6	284.4	388.3	581.4	614.5	611.0
40°	556.2	556.2	496.8	295.8	197.6	289.0	460.3	490.0	479.7
42.5°	436.3	442.0	391.8	218.1	140.5	214.7	364.3	391.8	380.3
45°	351.8	351.8	308.4	162.2	91.4	159.9	287.8	312.9	310.7
47.5°	298.1	293.5	250.1	118.8	50.3	119.9	242.1	273.0	271.8
50°	266.1	259.3	214.7	93.7	35.4	99.4	212.4	241.0	242.1
52.5°	241.0	230.7	193.0	83.4	30.8	86.8	193.0	215.9	215.9
55°	213.6	207.9	173.6	74.2	27.4	77.7	173.6	194.2	193.0
57.5°	180.5	179.3	155.3	67.4	25.1	68.5	155.3	167.9	163.3
60°	147.3	151.9	134.8	60.5	22.8	61.7	132.5	142.8	140.5
62.5°	123.4	129.1	117.6	53.7	19.4	54.8	111.9	122.2	119.9
65°	102.8	107.4	98.2	45.7	17.1	45.7	92.5	101.7	101.7
67.5°	84.5	87.9	81.1	37.7	14.8	37.7	75.4	83.4	84.5
70°	67.4	69.7	64.0	29.7	12.6	30.8	59.4	67.4	67.4
72.5°	52.5	53.7	50.3	24.0	11.4	24.0	45.7	52.5	52.5
75°	37.7	40.0	37.7	18.3	10.3	18.3	35.4	38.8	40.0
77.5°	21.7	27.4	27.4	14.8	8.0	13.7	25.1	26.3	26.3
80°	14.8	17.1	19.4	10.3	5.7	10.3	16.0	17.1	16.0
82.5°	10.3	11.4	11.4	6.9	4.6	6.9	10.3	11.4	10.3
85°	5.7	8.0	8.0	5.7	3.4	4.6	5.7	6.9	5.7
87.5°	3.4	4.6	5.7	4.6	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)