

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: P799640

Luminaire Tested: **LD6C35D010 EU6359050 6LBMDDWGPB**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799640  
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: LD6C35D010 EU6359050 6LBMDDWGPH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

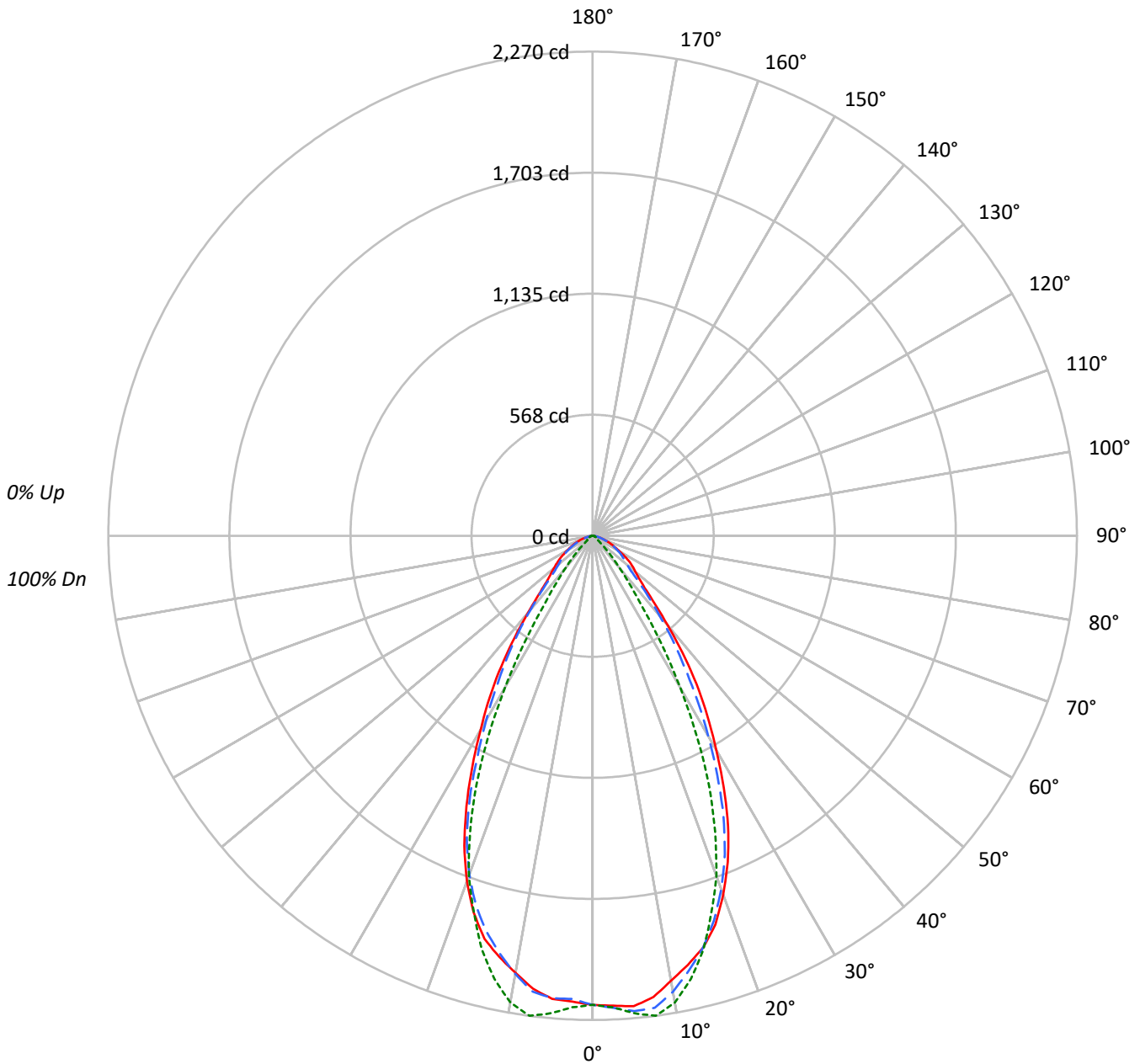
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2239.0 lumens  
Efficiency: N/A  
Efficacy: 55.4 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): 40.4  
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									
RC	80									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°	120566	120566	120566
5°	121824	123673	119920
10°	117878	123673	115824
15°	113451	113900	111039
20°	104420	98936	100500
25°	90876	78017	84646
30°	73290	51837	66491
35°	56824	26729	49931
40°	38987	13847	33620
45°	26708	6939	23592
50°	22225	2959	20230
55°	19995	2561	18073
60°	15821	2456	15087
65°	13062	2179	12920
70°	10579	1971	10579
75°	7816	2139	8303
80°	4578	1768	4956
85°	3522	2139	3522



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.3	9.4
10°-20°	549.5	24.5
20°-30°	627.2	28.0
30°-40°	415.9	18.6
40°-50°	200.6	9.0
50°-60°	123.4	5.5
60°-70°	74.7	3.3
70°-80°	31.4	1.4
80°-90°	6.9	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°	1386.0	61.9
0°-40°	1802.0	80.5
0°-60°	2126.0	95.0
0°-90°	2239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2239.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2199	2199	2199	2199	2199	
5°	2214	2237	2247	2176	2179	208
15°	1999	1999	2007	1922	1956	557
25°	1502	1452	1290	1365	1399	681
35°	849	748	399	698	746	525
45°	344	302	90	282	304	281
55°	209	170	27	170	189	184
65°	101	96	17	91	100	101
75°	37	37	10	35	39	39
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°	2199.3	2199.3	2199.3	2199.3	2199.3	2199.3	2199.3	2199.3	2199.3
2.5°	2204.9	2208.2	2215.0	2216.1	2212.7	2191.5	2173.6	2180.3	2185.9
5°	2213.8	2220.5	2237.3	2253.0	2247.4	2211.6	2175.8	2174.7	2179.2
7.5°	2181.4	2197.1	2231.7	2270.9	2269.8	2208.2	2155.7	2142.2	2142.2
10°	2117.6	2132.2	2170.2	2222.8	2221.7	2144.5	2086.3	2079.6	2080.7
12.5°	2060.6	2067.3	2086.3	2127.7	2127.7	2051.6	2006.9	2013.6	2022.5
15°	1999.0	2003.5	1999.0	2012.5	2006.9	1944.2	1921.9	1943.1	1956.5
17.5°	1911.8	1914.0	1890.5	1872.6	1851.4	1812.2	1817.8	1849.1	1852.5
20°	1789.9	1804.4	1761.9	1716.0	1695.9	1659.0	1690.3	1725.0	1722.7
22.5°	1655.6	1672.4	1617.6	1541.5	1500.1	1485.6	1541.5	1572.8	1571.7
25°	1502.4	1514.7	1452.0	1345.8	1289.8	1287.6	1364.8	1397.2	1399.4
27.5°	1330.1	1334.6	1264.1	1125.4	1056.0	1072.8	1170.1	1214.9	1220.5
30°	1157.8	1155.6	1082.9	910.6	818.9	864.7	995.6	1044.8	1050.4
32.5°	1000.1	993.4	910.6	704.8	595.1	663.4	835.6	887.1	896.0
35°	849.1	837.9	748.4	521.3	399.4	501.2	698.0	742.8	746.1
37.5°	691.3	685.7	615.3	390.4	278.5	380.3	569.4	601.8	598.5
40°	544.8	544.8	486.6	289.7	193.5	283.0	450.8	479.9	469.8
42.5°	427.3	432.9	383.7	213.7	137.6	210.3	356.9	383.7	372.5
45°	344.5	344.5	302.0	158.8	89.5	156.6	281.9	306.5	304.3
47.5°	292.0	287.5	245.0	116.3	49.2	117.5	237.2	267.4	266.2
50°	260.6	253.9	210.3	91.7	34.7	97.3	208.1	236.0	237.2
52.5°	236.0	226.0	189.1	81.7	30.2	85.0	189.1	211.4	211.4
55°	209.2	203.6	170.0	72.7	26.8	76.1	170.0	190.2	189.1
57.5°	176.7	175.6	152.1	66.0	24.6	67.1	152.1	164.4	160.0
60°	144.3	148.8	132.0	59.3	22.4	60.4	129.8	139.8	137.6
62.5°	120.8	126.4	115.2	52.6	19.0	53.7	109.6	119.7	117.5
65°	100.7	105.2	96.2	44.7	16.8	44.7	90.6	99.6	99.6
67.5°	82.8	86.1	79.4	36.9	14.5	36.9	73.8	81.7	82.8
70°	66.0	68.2	62.6	29.1	12.3	30.2	58.2	66.0	66.0
72.5°	51.5	52.6	49.2	23.5	11.2	23.5	44.7	51.5	51.5
75°	36.9	39.2	36.9	17.9	10.1	17.9	34.7	38.0	39.2
77.5°	21.3	26.8	26.8	14.5	7.8	13.4	24.6	25.7	25.7
80°	14.5	16.8	19.0	10.1	5.6	10.1	15.7	16.8	15.7
82.5°	10.1	11.2	11.2	6.7	4.5	6.7	10.1	11.2	10.1
85°	5.6	7.8	7.8	5.6	3.4	4.5	5.6	6.7	5.6
87.5°	3.4	4.5	5.6	4.5	3.4	3.4	3.4	3.4	2.2
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)