

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: P799485

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDDWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799485  
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 EU6259030 6LBMDDWH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

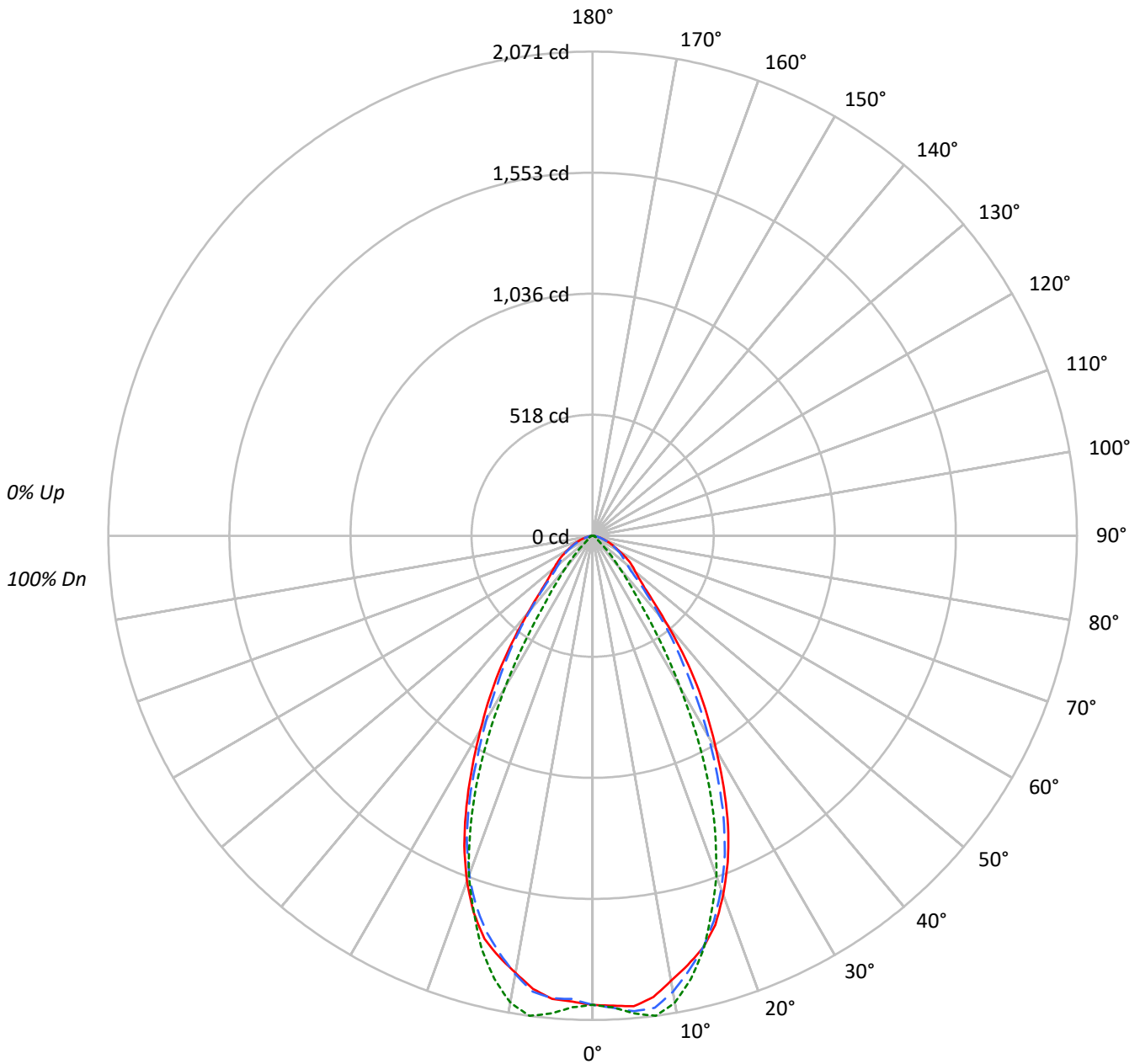
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2043.0 lumens  
Efficiency: N/A  
Efficacy: 64.9 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	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°	110013	110013	110013
5°	111160	112849	109421
10°	107563	112846	105687
15°	103525	103928	101323
20°	95278	90273	91702
25°	82916	71188	77236
30°	66877	47298	60674
35°	51845	24387	45561
40°	35574	12638	30679
45°	24375	6334	21522
50°	20281	2695	18456
55°	18245	2342	16487
60°	14440	2237	13771
65°	11921	1985	11778
70°	9649	1795	9649
75°	7138	1949	7562
80°	4199	1610	4514
85°	3208	1950	3208



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.0	9.4
10°-20°	501.4	24.5
20°-30°	572.3	28.0
30°-40°	379.5	18.6
40°-50°	183.1	9.0
50°-60°	112.6	5.5
60°-70°	68.1	3.3
70°-80°	28.7	1.4
80°-90°	6.3	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°	1264.7	61.9
0°-40°	1644.2	80.5
0°-60°	1939.9	95.0
0°-90°	2043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2043.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2007	2007	2007	2007	2007	
5°	2020	2042	2051	1985	1988	190
15°	1824	1824	1831	1754	1785	508
25°	1371	1325	1177	1245	1277	622
35°	775	683	364	637	681	479
45°	314	276	82	257	278	256
55°	191	155	24	155	172	168
65°	92	88	15	83	91	92
75°	34	34	9	32	36	36
85°	5	7	3	5	5	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°	2006.8	2006.8	2006.8	2006.8	2006.8	2006.8	2006.8	2006.8	2006.8
2.5°	2011.9	2014.9	2021.1	2022.1	2019.0	1999.6	1983.3	1989.4	1994.5
5°	2020.0	2026.2	2041.5	2055.8	2050.7	2018.0	1985.3	1984.3	1988.4
7.5°	1990.4	2004.7	2036.4	2072.1	2071.1	2014.9	1967.0	1954.7	1954.7
10°	1932.3	1945.5	1980.2	2028.2	2027.2	1956.7	1903.7	1897.5	1898.6
12.5°	1880.2	1886.3	1903.7	1941.4	1941.4	1872.0	1831.2	1837.3	1845.5
15°	1824.1	1828.1	1824.1	1836.3	1831.2	1774.0	1753.6	1773.0	1785.3
17.5°	1744.4	1746.5	1725.0	1708.7	1689.3	1653.6	1658.7	1687.3	1690.3
20°	1633.2	1646.4	1607.7	1565.8	1547.4	1513.8	1542.3	1574.0	1571.9
22.5°	1510.7	1526.0	1476.0	1406.6	1368.8	1355.5	1406.6	1435.2	1434.1
25°	1370.8	1382.1	1324.9	1227.9	1176.9	1174.9	1245.3	1274.9	1276.9
27.5°	1213.7	1217.7	1153.4	1026.9	963.6	978.9	1067.7	1108.5	1113.6
30°	1056.5	1054.4	988.1	830.9	747.2	789.0	908.5	953.4	958.5
32.5°	912.5	906.4	830.9	643.1	543.0	605.3	762.5	809.4	817.6
35°	774.7	764.5	682.9	475.7	364.4	457.3	636.9	677.8	680.8
37.5°	630.8	625.7	561.4	356.2	254.2	347.0	519.6	549.2	546.1
40°	497.1	497.1	444.0	264.4	176.6	258.2	411.4	437.9	428.7
42.5°	389.9	395.0	350.1	195.0	125.6	191.9	325.6	350.1	339.9
45°	314.4	314.4	275.6	144.9	81.7	142.9	257.2	279.7	277.6
47.5°	266.4	262.3	223.5	106.2	44.9	107.2	216.4	244.0	242.9
50°	237.8	231.7	191.9	83.7	31.6	88.8	189.9	215.4	216.4
52.5°	215.4	206.2	172.5	74.5	27.6	77.6	172.5	192.9	192.9
55°	190.9	185.8	155.2	66.3	24.5	69.4	155.2	173.5	172.5
57.5°	161.3	160.3	138.8	60.2	22.5	61.2	138.8	150.0	146.0
60°	131.7	135.8	120.4	54.1	20.4	55.1	118.4	127.6	125.6
62.5°	110.2	115.3	105.1	48.0	17.4	49.0	100.0	109.2	107.2
65°	91.9	95.9	87.8	40.8	15.3	40.8	82.7	90.8	90.8
67.5°	75.5	78.6	72.5	33.7	13.3	33.7	67.4	74.5	75.5
70°	60.2	62.3	57.2	26.5	11.2	27.6	53.1	60.2	60.2
72.5°	47.0	48.0	44.9	21.4	10.2	21.4	40.8	47.0	47.0
75°	33.7	35.7	33.7	16.3	9.2	16.3	31.6	34.7	35.7
77.5°	19.4	24.5	24.5	13.3	7.1	12.2	22.5	23.5	23.5
80°	13.3	15.3	17.4	9.2	5.1	9.2	14.3	15.3	14.3
82.5°	9.2	10.2	10.2	6.1	4.1	6.1	9.2	10.2	9.2
85°	5.1	7.1	7.1	5.1	3.1	4.1	5.1	6.1	5.1
87.5°	3.1	4.1	5.1	4.1	3.1	3.1	3.1	3.1	2.0
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)