

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: P799474

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799474
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 EU6259027 6LBMDDWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

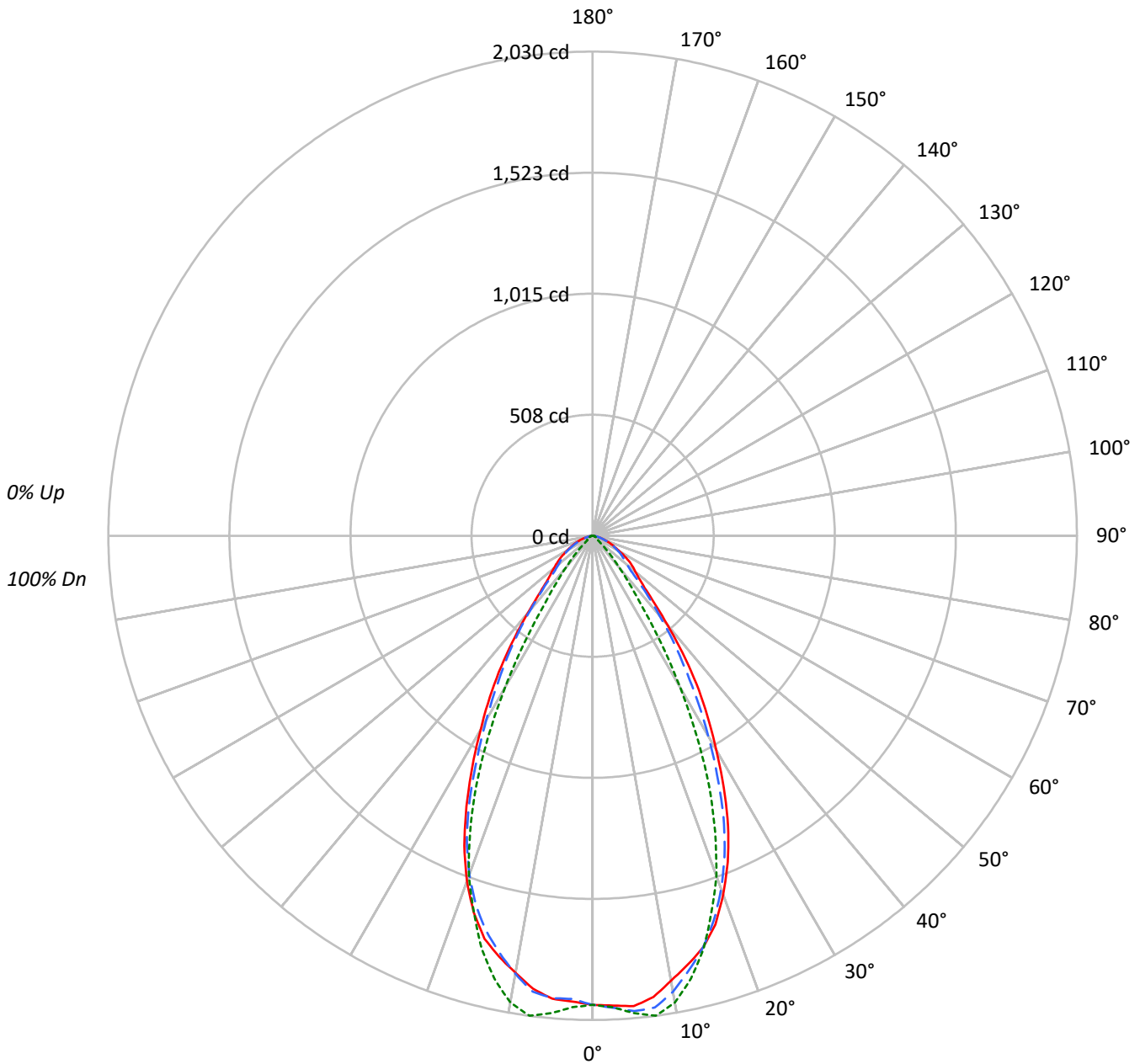
Lumens per Lamp: N/A
Luminaire Lumens: 2002.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{in}): 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: P799474

CATALOG NUMBER: LD6C25D010 EU6259027 6LBMDDWLI

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°	107804	107804	107804
5°	108931	110582	107225
10°	105403	110580	103566
15°	101442	101839	99285
20°	93365	88464	89864
25°	81253	69760	75688
30°	65535	46349	59452
35°	50808	23898	44651
40°	34858	12380	30063
45°	23886	6202	21095
50°	19880	2644	18089
55°	17873	2294	16152
60°	14144	2193	13486
65°	11674	1946	11545
70°	9457	1763	9457
75°	6990	1906	7413
80°	4104	1578	4420
85°	3145	1887	3145



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	9.4
10°-20°	491.3	24.5
20°-30°	560.8	28.0
30°-40°	371.9	18.6
40°-50°	179.4	9.0
50°-60°	110.3	5.5
60°-70°	66.8	3.3
70°-80°	28.1	1.4
80°-90°	6.2	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°	1239.3	61.9
0°-40°	1611.2	80.5
0°-60°	1900.9	95.0
0°-90°	2002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2002.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1966	1966	1966	1966	1966	
5°	1980	2000	2010	1946	1948	186
15°	1787	1787	1794	1718	1749	498
25°	1343	1298	1153	1220	1251	609
35°	759	669	357	624	667	470
45°	308	270	80	252	272	251
55°	187	152	24	152	169	164
65°	90	86	15	81	89	90
75°	33	33	9	31	35	35
85°	5	7	3	5	5	6
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°	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5	1966.5
2.5°	1971.5	1974.5	1980.5	1981.5	1978.5	1959.5	1943.5	1949.5	1954.5
5°	1979.5	1985.5	2000.5	2014.5	2009.5	1977.5	1945.5	1944.5	1948.5
7.5°	1950.5	1964.5	1995.5	2030.5	2029.5	1974.5	1927.5	1915.5	1915.5
10°	1893.5	1906.5	1940.5	1987.5	1986.5	1917.5	1865.5	1859.5	1860.5
12.5°	1842.5	1848.5	1865.5	1902.5	1902.5	1834.5	1794.4	1800.5	1808.5
15°	1787.4	1791.4	1787.4	1799.5	1794.4	1738.4	1718.4	1737.4	1749.4
17.5°	1709.4	1711.4	1690.4	1674.4	1655.4	1620.4	1625.4	1653.4	1656.4
20°	1600.4	1613.4	1575.4	1534.4	1516.4	1483.4	1511.4	1542.4	1540.4
22.5°	1480.4	1495.4	1446.4	1378.3	1341.3	1328.3	1378.3	1406.4	1405.4
25°	1343.3	1354.3	1298.3	1203.3	1153.3	1151.3	1220.3	1249.3	1251.3
27.5°	1189.3	1193.3	1130.3	1006.3	944.2	959.2	1046.3	1086.3	1091.3
30°	1035.3	1033.3	968.2	814.2	732.2	773.2	890.2	934.2	939.2
32.5°	894.2	888.2	814.2	630.2	532.1	593.1	747.2	793.2	801.2
35°	759.2	749.2	669.2	466.1	357.1	448.1	624.2	664.2	667.2
37.5°	618.2	613.2	550.1	349.1	249.1	340.1	509.1	538.1	535.1
40°	487.1	487.1	435.1	259.1	173.0	253.1	403.1	429.1	420.1
42.5°	382.1	387.1	343.1	191.0	123.0	188.0	319.1	343.1	333.1
45°	308.1	308.1	270.1	142.0	80.0	140.0	252.1	274.1	272.1
47.5°	261.1	257.1	219.1	104.0	44.0	105.0	212.1	239.1	238.1
50°	233.1	227.1	188.0	82.0	31.0	87.0	186.0	211.1	212.1
52.5°	211.1	202.1	169.0	73.0	27.0	76.0	169.0	189.0	189.0
55°	187.0	182.0	152.0	65.0	24.0	68.0	152.0	170.0	169.0
57.5°	158.0	157.0	136.0	59.0	22.0	60.0	136.0	147.0	143.0
60°	129.0	133.0	118.0	53.0	20.0	54.0	116.0	125.0	123.0
62.5°	108.0	113.0	103.0	47.0	17.0	48.0	98.0	107.0	105.0
65°	90.0	94.0	86.0	40.0	15.0	40.0	81.0	89.0	89.0
67.5°	74.0	77.0	71.0	33.0	13.0	33.0	66.0	73.0	74.0
70°	59.0	61.0	56.0	26.0	11.0	27.0	52.0	59.0	59.0
72.5°	46.0	47.0	44.0	21.0	10.0	21.0	40.0	46.0	46.0
75°	33.0	35.0	33.0	16.0	9.0	16.0	31.0	34.0	35.0
77.5°	19.0	24.0	24.0	13.0	7.0	12.0	22.0	23.0	23.0
80°	13.0	15.0	17.0	9.0	5.0	9.0	14.0	15.0	14.0
82.5°	9.0	10.0	10.0	6.0	4.0	6.0	9.0	10.0	9.0
85°	5.0	7.0	7.0	5.0	3.0	4.0	5.0	6.0	5.0
87.5°	3.0	4.0	5.0	4.0	3.0	3.0	3.0	3.0	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)