

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: P799501

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799501
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 EU6259035 6LBMDDWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

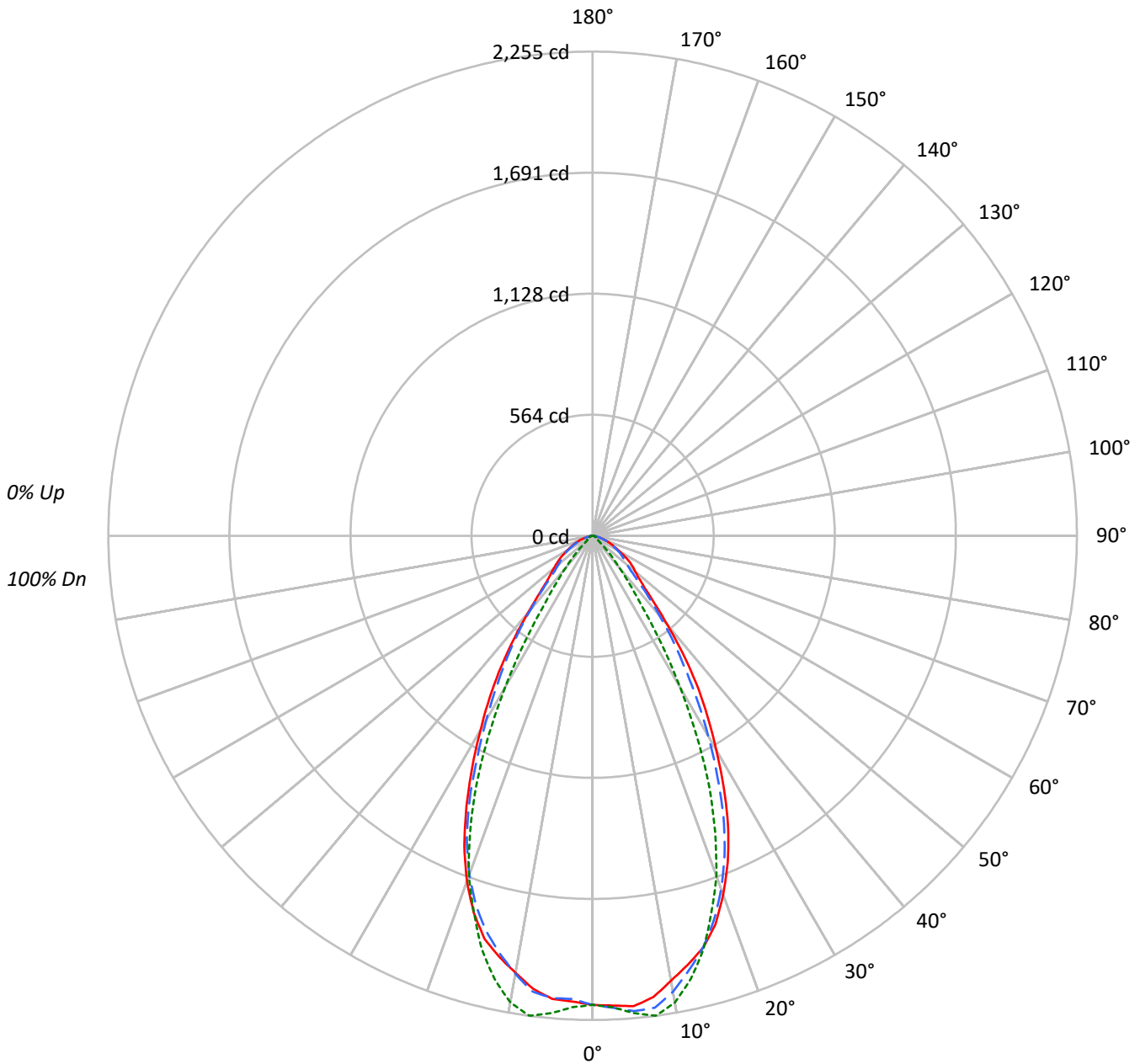
Lumens per Lamp: N/A
Luminaire Lumens: 2224.0 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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			
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°	119760	119760	119760
5°	121010	122843	119117
10°	117088	122843	115050
15°	112696	113133	110296
20°	103720	98271	99829
25°	90265	77496	84083
30°	72802	51489	66048
35°	56443	26548	49597
40°	38723	13754	33398
45°	26530	6892	23429
50°	22080	2934	20093
55°	19861	2552	17949
60°	15711	2434	14988
65°	12972	2166	12829
70°	10515	1955	10515
75°	7773	2118	8239
80°	4546	1768	4925
85°	3522	2076	3522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	9.4
10°-20°	545.8	24.5
20°-30°	623.0	28.0
30°-40°	413.1	18.6
40°-50°	199.3	9.0
50°-60°	122.6	5.5
60°-70°	74.2	3.3
70°-80°	31.2	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°	1376.7	61.9
0°-40°	1789.9	80.5
0°-60°	2111.7	95.0
0°-90°	2224.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2224.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2185	2185	2185	2185	2185	
5°	2199	2222	2232	2161	2165	207
15°	1986	1986	1993	1909	1943	553
25°	1492	1442	1281	1356	1390	677
35°	843	743	397	693	741	522
45°	342	300	89	280	302	279
55°	208	169	27	169	188	183
65°	100	96	17	90	99	100
75°	37	37	10	34	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°	2184.6	2184.6	2184.6	2184.6	2184.6	2184.6	2184.6	2184.6	2184.6
2.5°	2190.1	2193.4	2200.1	2201.2	2197.9	2176.8	2159.0	2165.7	2171.2
5°	2199.0	2205.7	2222.3	2237.9	2232.3	2196.8	2161.2	2160.1	2164.6
7.5°	2166.8	2182.3	2216.8	2255.7	2254.6	2193.4	2141.2	2127.9	2127.9
10°	2103.4	2117.9	2155.7	2207.9	2206.8	2130.1	2072.3	2065.7	2066.8
12.5°	2046.8	2053.4	2072.3	2113.4	2113.4	2037.9	1993.4	2000.1	2009.0
15°	1985.7	1990.1	1985.7	1999.0	1993.4	1931.2	1909.0	1930.1	1943.4
17.5°	1899.0	1901.2	1877.9	1860.1	1839.0	1800.1	1805.6	1836.8	1840.1
20°	1777.9	1792.3	1750.1	1704.5	1684.5	1647.9	1679.0	1713.4	1711.2
22.5°	1644.5	1661.2	1606.7	1531.2	1490.1	1475.6	1531.2	1562.3	1561.2
25°	1492.3	1504.5	1442.3	1336.7	1281.2	1279.0	1355.6	1387.8	1390.1
27.5°	1321.2	1325.6	1255.6	1117.8	1048.9	1065.6	1162.3	1206.7	1212.3
30°	1150.1	1147.8	1075.6	904.5	813.4	858.9	988.9	1037.8	1043.4
32.5°	993.4	986.7	904.5	700.0	591.1	658.9	830.0	881.2	890.0
35°	843.4	832.3	743.4	517.8	396.7	497.8	693.4	737.8	741.1
37.5°	686.7	681.1	611.1	387.8	276.7	377.8	565.6	597.8	594.5
40°	541.1	541.1	483.4	287.8	192.2	281.1	447.8	476.7	466.7
42.5°	424.5	430.0	381.1	212.2	136.7	208.9	354.5	381.1	370.0
45°	342.2	342.2	300.0	157.8	88.9	155.6	280.0	304.5	302.2
47.5°	290.0	285.6	243.3	115.6	48.9	116.7	235.6	265.6	264.5
50°	258.9	252.2	208.9	91.1	34.4	96.7	206.7	234.5	235.6
52.5°	234.5	224.5	187.8	81.1	30.0	84.4	187.8	210.0	210.0
55°	207.8	202.2	168.9	72.2	26.7	75.6	168.9	188.9	187.8
57.5°	175.6	174.5	151.1	65.6	24.4	66.7	151.1	163.3	158.9
60°	143.3	147.8	131.1	58.9	22.2	60.0	128.9	138.9	136.7
62.5°	120.0	125.6	114.5	52.2	18.9	53.3	108.9	118.9	116.7
65°	100.0	104.4	95.6	44.4	16.7	44.4	90.0	98.9	98.9
67.5°	82.2	85.6	78.9	36.7	14.4	36.7	73.3	81.1	82.2
70°	65.6	67.8	62.2	28.9	12.2	30.0	57.8	65.6	65.6
72.5°	51.1	52.2	48.9	23.3	11.1	23.3	44.4	51.1	51.1
75°	36.7	38.9	36.7	17.8	10.0	17.8	34.4	37.8	38.9
77.5°	21.1	26.7	26.7	14.4	7.8	13.3	24.4	25.6	25.6
80°	14.4	16.7	18.9	10.0	5.6	10.0	15.6	16.7	15.6
82.5°	10.0	11.1	11.1	6.7	4.4	6.7	10.0	11.1	10.0
85°	5.6	7.8	7.8	5.6	3.3	4.4	5.6	6.7	5.6
87.5°	3.3	4.4	5.6	4.4	3.3	3.3	3.3	3.3	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)