

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: P799513

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDDWWMH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799513
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 EU6259040 6LBMDDWWMH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WMH FINISH
Light Source: -
Ballast/Driver: -

Summary

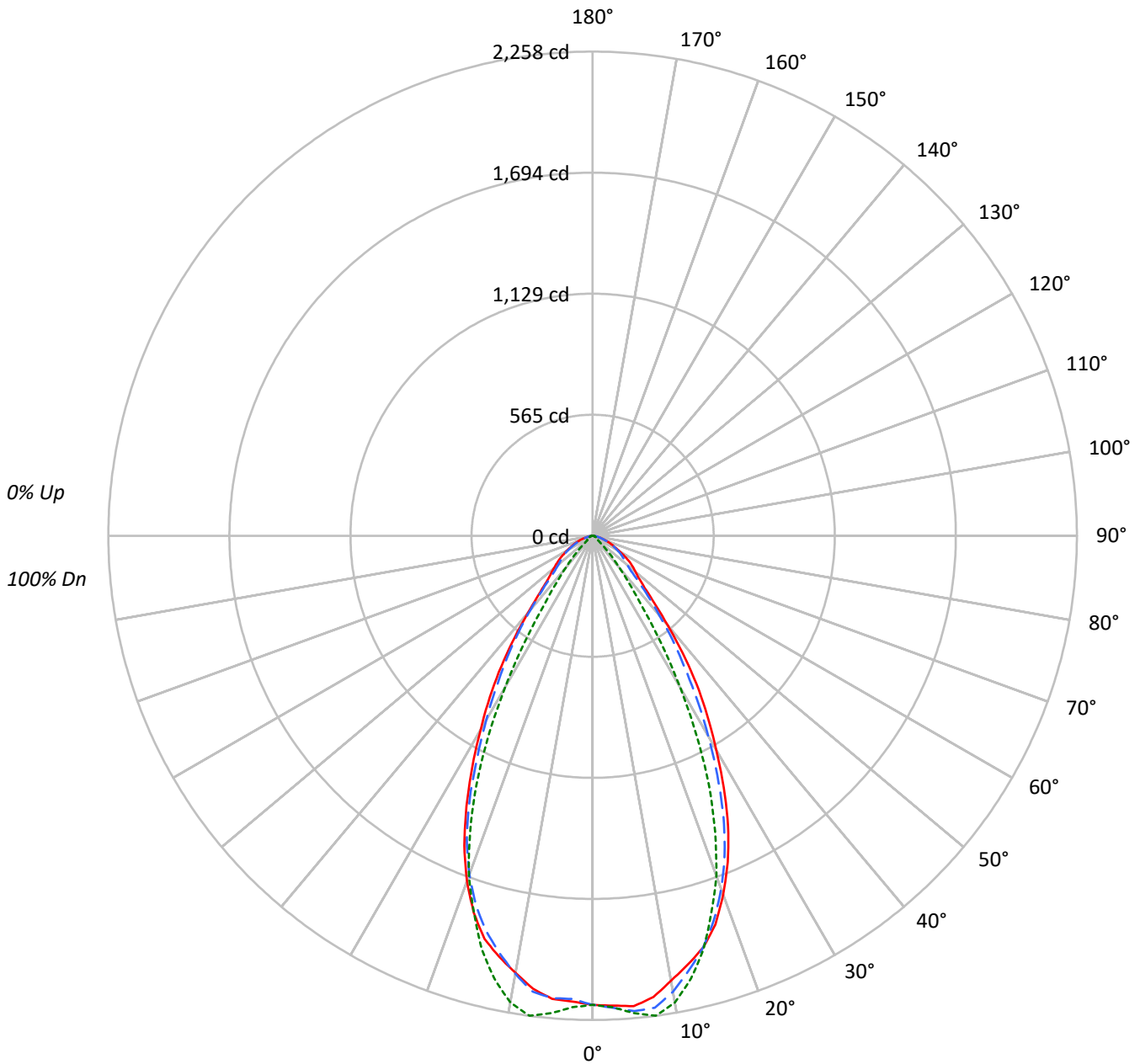
Lumens per Lamp: N/A
Luminaire Lumens: 2227.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	119919	119919	119919
5°	121175	123008	119277
10°	117249	123010	115206
15°	112844	113287	110449
20°	103860	98405	99963
25°	90386	77599	84192
30°	72897	51559	66137
35°	56517	26582	49664
40°	38780	13776	33441
45°	26569	6900	23460
50°	22114	2942	20119
55°	19889	2552	17968
60°	15733	2445	15010
65°	12985	2166	12842
70°	10515	1955	10515
75°	7773	2118	8239
80°	4578	1768	4925
85°	3522	2076	3522



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.2	9.4
10°-20°	546.5	24.5
20°-30°	623.8	28.0
30°-40°	413.7	18.6
40°-50°	199.5	9.0
50°-60°	122.7	5.5
60°-70°	74.3	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°	1378.6	61.9
0°-40°	1792.3	80.5
0°-60°	2114.6	95.0
0°-90°	2227.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2227.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2188	2188	2188	2188	2188	
5°	2202	2225	2235	2164	2168	207
15°	1988	1988	1996	1912	1946	554
25°	1494	1444	1283	1358	1392	678
35°	844	744	397	694	742	522
45°	343	300	89	280	303	279
55°	208	169	27	169	188	183
65°	100	96	17	90	99	101
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°	2187.5	2187.5	2187.5	2187.5	2187.5	2187.5	2187.5	2187.5	2187.5
2.5°	2193.1	2196.4	2203.1	2204.2	2200.9	2179.7	2161.9	2168.6	2174.1
5°	2202.0	2208.6	2225.3	2240.9	2235.3	2199.7	2164.1	2163.0	2167.5
7.5°	2169.7	2185.3	2219.8	2258.7	2257.6	2196.4	2144.1	2130.8	2130.8
10°	2106.3	2120.7	2158.6	2210.9	2209.8	2133.0	2075.1	2068.4	2069.6
12.5°	2049.5	2056.2	2075.1	2116.3	2116.3	2040.6	1996.1	2002.8	2011.7
15°	1988.3	1992.8	1988.3	2001.7	1996.1	1933.8	1911.6	1932.7	1946.1
17.5°	1901.5	1903.8	1880.4	1862.6	1841.5	1802.5	1808.1	1839.2	1842.6
20°	1780.3	1794.7	1752.4	1706.8	1686.8	1650.1	1681.2	1715.7	1713.5
22.5°	1646.7	1663.4	1608.9	1533.3	1492.1	1477.6	1533.3	1564.4	1563.3
25°	1494.3	1506.6	1444.2	1338.5	1282.9	1280.7	1357.5	1389.7	1391.9
27.5°	1323.0	1327.4	1257.3	1119.3	1050.4	1067.0	1163.8	1208.4	1213.9
30°	1151.6	1149.4	1077.1	905.7	814.5	860.1	990.3	1039.2	1044.8
32.5°	994.7	988.0	905.7	701.0	591.9	659.8	831.2	882.3	891.2
35°	844.5	833.4	744.4	518.5	397.2	498.5	694.3	738.8	742.1
37.5°	687.6	682.1	612.0	388.3	277.1	378.3	566.3	598.6	595.3
40°	541.9	541.9	484.0	288.2	192.5	281.5	448.4	477.3	467.3
42.5°	425.0	430.6	381.6	212.5	136.9	209.2	354.9	381.6	370.5
45°	342.7	342.7	300.4	158.0	89.0	155.8	280.4	304.9	302.6
47.5°	290.4	286.0	243.7	115.7	49.0	116.8	235.9	265.9	264.8
50°	259.3	252.6	209.2	91.2	34.5	96.8	207.0	234.8	235.9
52.5°	234.8	224.8	188.0	81.2	30.0	84.6	188.0	210.3	210.3
55°	208.1	202.5	169.1	72.3	26.7	75.7	169.1	189.2	188.0
57.5°	175.8	174.7	151.3	65.6	24.5	66.8	151.3	163.6	159.1
60°	143.5	148.0	131.3	59.0	22.3	60.1	129.1	139.1	136.9
62.5°	120.2	125.7	114.6	52.3	18.9	53.4	109.0	119.1	116.8
65°	100.1	104.6	95.7	44.5	16.7	44.5	90.1	99.0	99.0
67.5°	82.3	85.7	79.0	36.7	14.5	36.7	73.4	81.2	82.3
70°	65.6	67.9	62.3	28.9	12.2	30.0	57.9	65.6	65.6
72.5°	51.2	52.3	49.0	23.4	11.1	23.4	44.5	51.2	51.2
75°	36.7	38.9	36.7	17.8	10.0	17.8	34.5	37.8	38.9
77.5°	21.1	26.7	26.7	14.5	7.8	13.4	24.5	25.6	25.6
80°	14.5	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	4.5	6.7	10.0	11.1	10.0
85°	5.6	7.8	7.8	5.6	3.3	4.5	5.6	6.7	5.6
87.5°	3.3	4.5	5.6	4.5	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)