

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: P799521

Luminaire Tested: **LD6C25D010 EU6259050 6LBMDDWH**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799521
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 EU6259050 6LBMDDWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

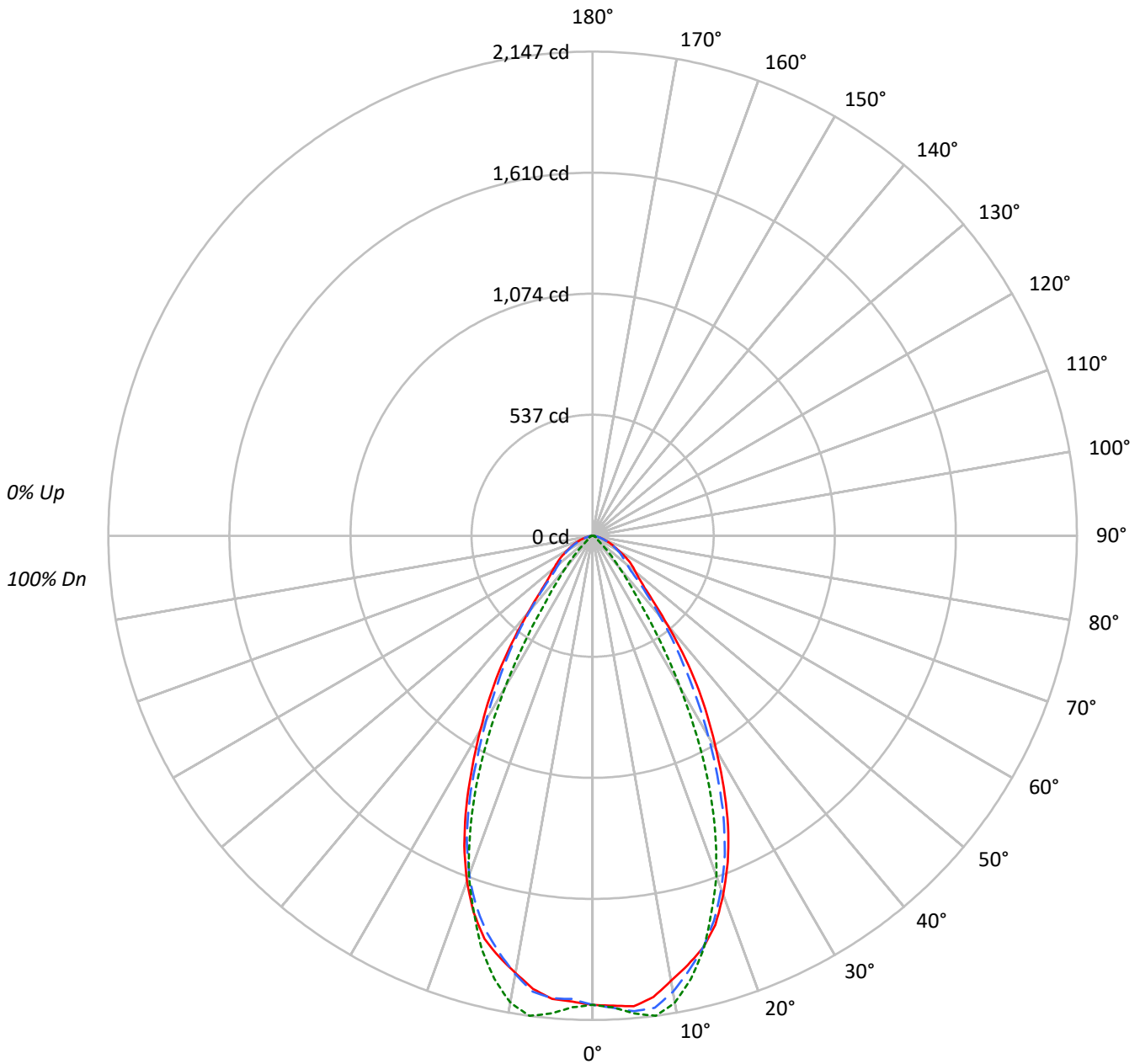
Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 67.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	114048	114048	114048
5°	115243	116987	113438
10°	111510	116987	109567
15°	107322	107742	105040
20°	98773	93586	95068
25°	85965	73801	80073
30°	69327	49033	62902
35°	53753	25284	47234
40°	36876	13103	31802
45°	25266	6567	22312
50°	21031	2797	19129
55°	18914	2428	17089
60°	14966	2324	14275
65°	12349	2062	12219
70°	10002	1859	10002
75°	7392	2012	7837
80°	4357	1673	4672
85°	3334	2013	3334



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.0	9.4
10°-20°	519.8	24.5
20°-30°	593.3	28.0
30°-40°	393.5	18.6
40°-50°	189.8	9.0
50°-60°	116.7	5.5
60°-70°	70.6	3.3
70°-80°	29.7	1.4
80°-90°	6.6	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°	1311.1	61.9
0°-40°	1704.6	80.5
0°-60°	2011.1	95.0
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2080	2080	2080	2080	2080	
5°	2094	2116	2126	2058	2061	197
15°	1891	1891	1898	1818	1851	527
25°	1421	1374	1220	1291	1324	644
35°	803	708	378	660	706	497
45°	326	286	85	267	288	266
55°	198	161	25	161	179	174
65°	95	91	16	86	94	96
75°	35	35	10	33	37	37
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°	2080.4	2080.4	2080.4	2080.4	2080.4	2080.4	2080.4	2080.4	2080.4
2.5°	2085.7	2088.9	2095.2	2096.3	2093.1	2073.0	2056.1	2062.4	2067.7
5°	2094.2	2100.5	2116.4	2131.2	2125.9	2092.1	2058.2	2057.2	2061.4
7.5°	2063.5	2078.3	2111.1	2148.2	2147.1	2088.9	2039.2	2026.5	2026.5
10°	2003.2	2016.9	2052.9	2102.7	2101.6	2028.6	1973.6	1967.2	1968.3
12.5°	1949.2	1955.6	1973.6	2012.7	2012.7	1940.8	1898.4	1904.8	1913.2
15°	1891.0	1895.2	1891.0	1903.7	1898.4	1839.2	1818.0	1838.1	1850.8
17.5°	1808.5	1810.6	1788.4	1771.4	1751.3	1714.3	1719.6	1749.2	1752.4
20°	1693.1	1706.9	1666.7	1623.3	1604.2	1569.3	1599.0	1631.8	1629.6
22.5°	1566.1	1582.0	1530.2	1458.2	1419.1	1405.3	1458.2	1487.8	1486.8
25°	1421.2	1432.8	1373.6	1273.0	1220.1	1218.0	1291.0	1321.7	1323.8
27.5°	1258.2	1262.4	1195.8	1064.6	998.9	1014.8	1106.9	1149.2	1154.5
30°	1095.2	1093.1	1024.3	861.4	774.6	818.0	941.8	988.4	993.7
32.5°	946.0	939.7	861.4	666.7	563.0	627.5	790.5	839.2	847.6
35°	803.2	792.6	707.9	493.1	377.8	474.1	660.3	702.6	705.8
37.5°	654.0	648.7	582.0	369.3	263.5	359.8	538.6	569.3	566.1
40°	515.3	515.3	460.3	274.1	183.1	267.7	426.5	454.0	444.4
42.5°	404.2	409.5	363.0	202.1	130.2	198.9	337.6	363.0	352.4
45°	325.9	325.9	285.7	150.3	84.7	148.1	266.7	289.9	287.8
47.5°	276.2	272.0	231.7	110.1	46.6	111.1	224.3	252.9	251.9
50°	246.6	240.2	198.9	86.8	32.8	92.1	196.8	223.3	224.3
52.5°	223.3	213.8	178.8	77.2	28.6	80.4	178.8	200.0	200.0
55°	197.9	192.6	160.8	68.8	25.4	72.0	160.8	179.9	178.8
57.5°	167.2	166.1	143.9	62.4	23.3	63.5	143.9	155.6	151.3
60°	136.5	140.7	124.9	56.1	21.2	57.1	122.8	132.3	130.2
62.5°	114.3	119.6	109.0	49.7	18.0	50.8	103.7	113.2	111.1
65°	95.2	99.5	91.0	42.3	15.9	42.3	85.7	94.2	94.2
67.5°	78.3	81.5	75.1	34.9	13.8	34.9	69.8	77.2	78.3
70°	62.4	64.6	59.3	27.5	11.6	28.6	55.0	62.4	62.4
72.5°	48.7	49.7	46.6	22.2	10.6	22.2	42.3	48.7	48.7
75°	34.9	37.0	34.9	16.9	9.5	16.9	32.8	36.0	37.0
77.5°	20.1	25.4	25.4	13.8	7.4	12.7	23.3	24.3	24.3
80°	13.8	15.9	18.0	9.5	5.3	9.5	14.8	15.9	14.8
82.5°	9.5	10.6	10.6	6.3	4.2	6.3	9.5	10.6	9.5
85°	5.3	7.4	7.4	5.3	3.2	4.2	5.3	6.3	5.3
87.5°	3.2	4.2	5.3	4.2	3.2	3.2	3.2	3.2	2.1
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)