

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: P799481

Luminaire Tested: **LD6C25D010 EU6259027 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259027 6LBMDSWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

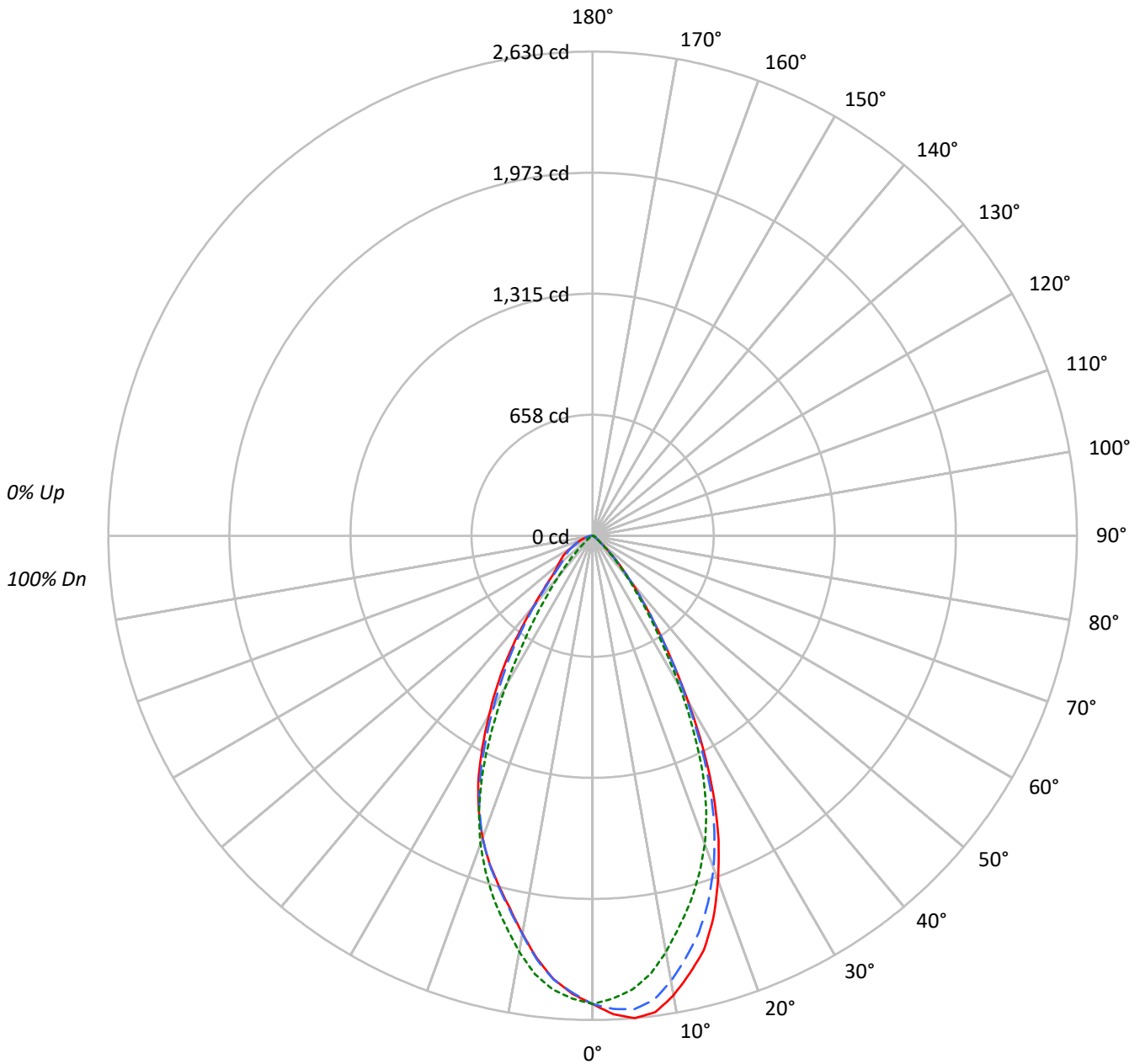
Lumens per Lamp: N/A
Luminaire Lumens: 2190.0 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	139446	139446	139446
5°	144744	136171	133095
10°	141046	127731	122109
15°	132282	116709	111664
20°	116128	103901	101917
25°	93925	85360	88880
30°	65295	59459	71131
35°	40241	36426	53686
40°	22771	20417	35653
45°	11063	10551	24328
50°	4213	4213	20682
55°	2303	2724	19087
60°	1688	2171	15646
65°	1427	1855	12816
70°	1234	1587	10547
75°	1165	1631	9065
80°	695	1389	6566
85°	692	2768	6227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.9	10.6
10°-20°	585.3	26.7
20°-30°	658.9	30.1
30°-40°	408.0	18.6
40°-50°	162.5	7.4
50°-60°	74.0	3.4
60°-70°	42.5	1.9
70°-80°	20.2	0.9
80°-90°	5.9	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°	1477.0	67.4
0°-40°	1885.0	86.1
0°-60°	2121.4	96.9
0°-90°	2190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2190.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2544	2544	2544	2544	2544	
5°	2630	2582	2474	2421	2419	248
15°	2331	2230	2056	1973	1968	645
25°	1553	1511	1411	1446	1469	698
35°	601	598	544	758	802	386
45°	143	143	136	296	314	121
55°	24	23	28	176	200	24
65°	11	10	14	98	99	11
75°	6	6	8	42	43	6
85°	1	1	4	10	10	1
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°	2543.7	2543.7	2543.7	2543.7	2543.7	2543.7	2543.7	2543.7	2543.7
2.5°	2601.8	2577.7	2572.2	2551.3	2516.2	2496.5	2484.4	2475.6	2491.0
5°	2630.3	2604.0	2582.1	2539.3	2474.5	2438.3	2420.8	2406.5	2418.6
7.5°	2609.5	2572.2	2542.6	2483.3	2401.0	2345.0	2320.9	2304.4	2315.4
10°	2533.8	2488.8	2454.8	2384.5	2294.6	2227.6	2198.0	2182.6	2193.6
12.5°	2435.0	2397.7	2346.1	2269.3	2172.8	2102.5	2080.6	2068.5	2072.9
15°	2330.8	2286.9	2229.8	2153.0	2056.4	1986.2	1973.0	1965.4	1967.5
17.5°	2179.3	2136.5	2087.2	2012.5	1923.7	1866.6	1866.6	1861.1	1864.4
20°	1990.6	1967.5	1919.3	1856.7	1781.0	1729.4	1745.9	1740.4	1747.0
22.5°	1786.5	1768.9	1727.2	1675.7	1612.0	1571.4	1607.6	1606.5	1615.3
25°	1552.8	1539.6	1511.1	1467.2	1411.2	1386.0	1446.3	1446.3	1469.4
27.5°	1294.9	1281.7	1262.0	1224.6	1178.6	1170.9	1259.8	1270.7	1296.0
30°	1031.5	1022.7	1011.8	977.7	939.3	953.6	1076.5	1095.2	1123.7
32.5°	796.7	791.2	787.9	757.2	723.2	770.3	910.8	934.9	963.5
35°	601.3	589.3	598.1	575.0	544.3	603.5	758.3	779.1	802.2
37.5°	443.3	434.6	442.2	425.8	398.3	463.1	609.0	622.2	637.6
40°	318.2	310.6	317.1	307.3	285.3	345.7	477.3	491.6	498.2
42.5°	226.1	212.9	219.5	211.8	200.8	260.1	375.3	388.5	390.7
45°	142.7	138.3	142.7	138.3	136.1	193.1	296.3	308.4	313.8
47.5°	86.7	81.2	81.2	79.0	81.2	142.7	244.7	262.3	271.0
50°	49.4	47.2	46.1	45.0	49.4	111.9	211.8	231.5	242.5
52.5°	32.9	31.8	31.8	30.7	36.2	94.4	190.9	208.5	219.5
55°	24.1	23.0	23.0	23.0	28.5	81.2	175.6	189.8	199.7
57.5°	18.7	18.7	18.7	17.6	24.1	69.1	156.9	164.6	172.3
60°	15.4	14.3	14.3	14.3	19.8	59.3	135.0	138.3	142.7
62.5°	12.1	12.1	12.1	12.1	16.5	52.7	116.3	116.3	118.5
65°	11.0	9.9	9.9	9.9	14.3	46.1	97.7	96.6	98.8
67.5°	8.8	8.8	8.8	8.8	12.1	39.5	80.1	79.0	81.2
70°	7.7	7.7	7.7	7.7	9.9	32.9	64.7	63.6	65.8
72.5°	6.6	6.6	6.6	6.6	8.8	27.4	51.6	51.6	52.7
75°	5.5	5.5	5.5	5.5	7.7	20.8	41.7	41.7	42.8
77.5°	4.4	4.4	4.4	4.4	5.5	16.5	31.8	30.7	30.7
80°	2.2	3.3	3.3	3.3	4.4	12.1	23.0	20.8	20.8
82.5°	1.1	2.2	2.2	2.2	4.4	8.8	15.4	14.3	14.3
85°	1.1	1.1	1.1	3.3	4.4	6.6	9.9	9.9	9.9
87.5°	0.0	1.1	2.2	4.4	5.5	5.5	6.6	5.5	5.5
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)