

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: P799504

Luminaire Tested: **LD6C25D010 EU6259035 6LBMDSWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799504
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 EU6259035 6LBMDSWLI
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

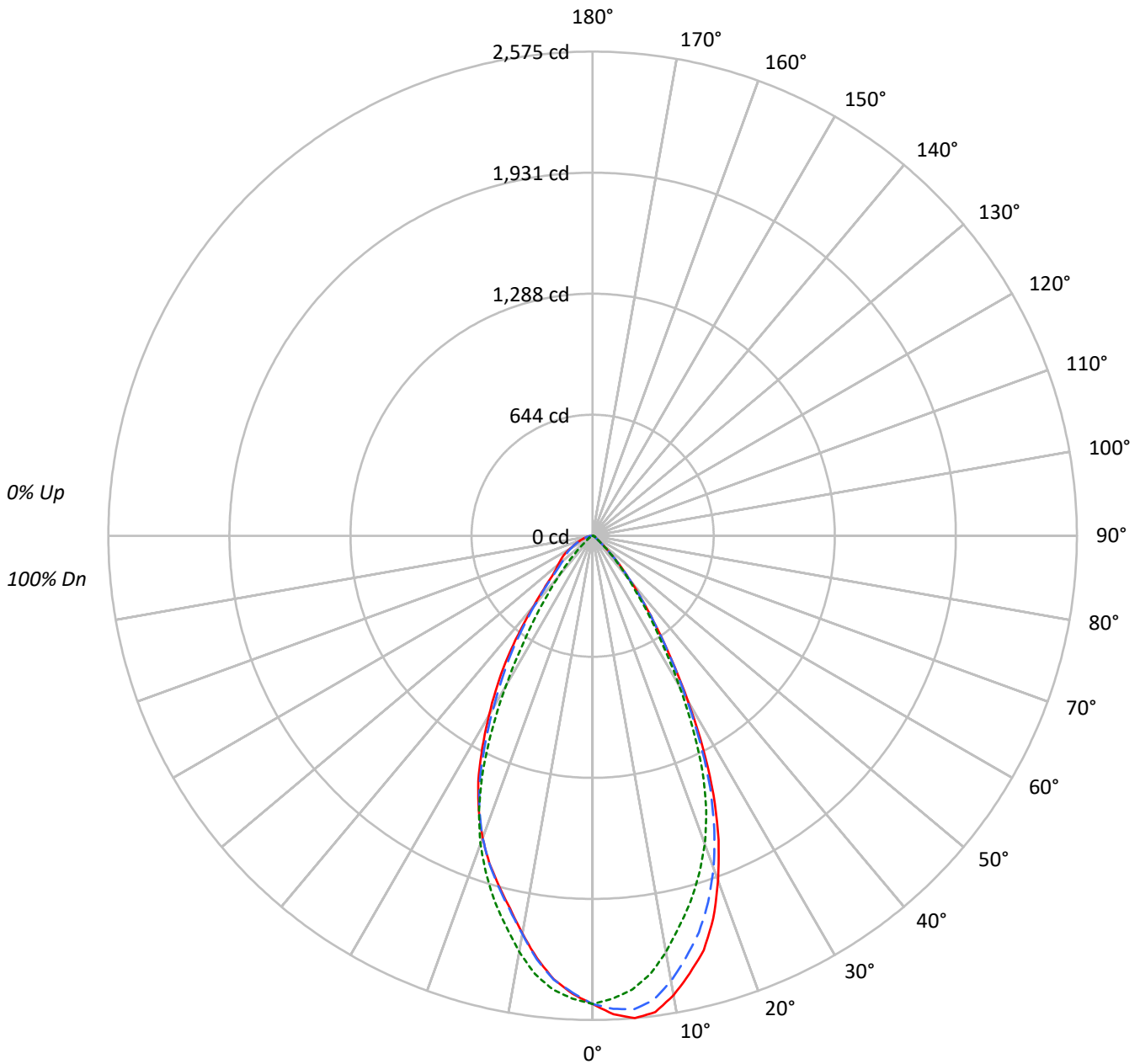
Lumens per Lamp: N/A
Luminaire Lumens: 2144.0 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	58	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°	136513	136513	136513
5°	141707	133309	130299
10°	138085	125048	119542
15°	129501	114257	109320
20°	113690	101719	99776
25°	91947	83569	87011
30°	63921	58211	69637
35°	39398	35663	52555
40°	22292	19987	34901
45°	10831	10327	23816
50°	4119	4119	20247
55°	2256	2667	18685
60°	1645	2116	15317
65°	1388	1816	12543
70°	1202	1555	10338
75°	1144	1589	8875
80°	663	1357	6440
85°	692	2705	6101



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.0	10.6
10°-20°	573.0	26.7
20°-30°	645.0	30.1
30°-40°	399.4	18.6
40°-50°	159.1	7.4
50°-60°	72.4	3.4
60°-70°	41.6	1.9
70°-80°	19.8	0.9
80°-90°	5.8	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°	1446.0	67.4
0°-40°	1845.4	86.1
0°-60°	2076.9	96.9
0°-90°	2144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2144.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2490	2490	2490	2490	2490	
5°	2575	2528	2422	2370	2368	243
15°	2282	2183	2013	1932	1926	631
25°	1520	1479	1382	1416	1438	683
35°	589	586	533	742	785	378
45°	140	140	133	290	307	118
55°	24	23	28	172	196	23
65°	11	10	14	96	97	10
75°	5	5	8	41	42	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°	2490.2	2490.2	2490.2	2490.2	2490.2	2490.2	2490.2	2490.2	2490.2
2.5°	2547.2	2523.5	2518.2	2497.7	2463.4	2444.0	2432.2	2423.6	2438.7
5°	2575.1	2549.3	2527.8	2485.9	2422.5	2387.1	2369.9	2355.9	2367.8
7.5°	2554.7	2518.2	2489.2	2431.1	2350.6	2295.8	2272.1	2256.0	2266.8
10°	2480.6	2436.5	2403.2	2334.5	2246.4	2180.8	2151.8	2136.8	2147.5
12.5°	2383.9	2347.3	2296.9	2221.7	2127.1	2058.4	2036.9	2025.1	2029.4
15°	2281.8	2238.8	2183.0	2107.8	2013.2	1944.5	1931.6	1924.1	1926.2
17.5°	2133.6	2091.7	2043.3	1970.3	1883.2	1827.4	1827.4	1822.0	1825.2
20°	1948.8	1926.2	1879.0	1817.7	1743.6	1693.1	1709.2	1703.8	1710.3
22.5°	1749.0	1731.8	1690.9	1640.5	1578.1	1538.4	1573.9	1572.8	1581.4
25°	1520.1	1507.2	1479.3	1436.3	1381.6	1356.8	1415.9	1415.9	1438.5
27.5°	1267.7	1254.8	1235.4	1198.9	1153.8	1146.3	1233.3	1244.0	1268.7
30°	1009.8	1001.2	990.5	957.2	919.6	933.6	1053.9	1072.2	1100.1
32.5°	779.9	774.6	771.3	741.3	708.0	754.2	891.7	915.3	943.2
35°	588.7	576.9	585.5	562.9	532.9	590.9	742.3	762.8	785.3
37.5°	434.0	425.4	432.9	416.8	390.0	453.4	596.2	609.1	624.2
40°	311.5	304.0	310.5	300.8	279.3	338.4	467.3	481.3	487.7
42.5°	221.3	208.4	214.9	207.3	196.6	254.6	367.4	380.3	382.5
45°	139.7	135.4	139.7	135.4	133.2	189.1	290.1	301.9	307.2
47.5°	84.9	79.5	79.5	77.3	79.5	139.7	239.6	256.8	265.4
50°	48.3	46.2	45.1	44.0	48.3	109.6	207.3	226.7	237.4
52.5°	32.2	31.2	31.2	30.1	35.5	92.4	186.9	204.1	214.9
55°	23.6	22.6	22.6	22.6	27.9	79.5	171.9	185.9	195.5
57.5°	18.3	18.3	18.3	17.2	23.6	67.7	153.6	161.1	168.7
60°	15.0	14.0	14.0	14.0	19.3	58.0	132.1	135.4	139.7
62.5°	11.8	11.8	11.8	11.8	16.1	51.6	113.9	113.9	116.0
65°	10.7	9.7	9.7	9.7	14.0	45.1	95.6	94.5	96.7
67.5°	8.6	8.6	8.6	8.6	11.8	38.7	78.4	77.3	79.5
70°	7.5	7.5	7.5	7.5	9.7	32.2	63.4	62.3	64.5
72.5°	6.4	6.4	6.4	6.4	8.6	26.9	50.5	50.5	51.6
75°	5.4	5.4	5.4	5.4	7.5	20.4	40.8	40.8	41.9
77.5°	4.3	4.3	4.3	4.3	5.4	16.1	31.2	30.1	30.1
80°	2.1	3.2	3.2	3.2	4.3	11.8	22.6	20.4	20.4
82.5°	1.1	2.1	2.1	2.1	4.3	8.6	15.0	14.0	14.0
85°	1.1	1.1	1.1	3.2	4.3	6.4	9.7	9.7	9.7
87.5°	0.0	1.1	2.1	4.3	5.4	5.4	6.4	5.4	5.4
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)