

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: P799517

Luminaire Tested: **LD6C25D010 EU6259040 6LBMDSWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799517
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 EU6259040 6LBMDSWMW
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

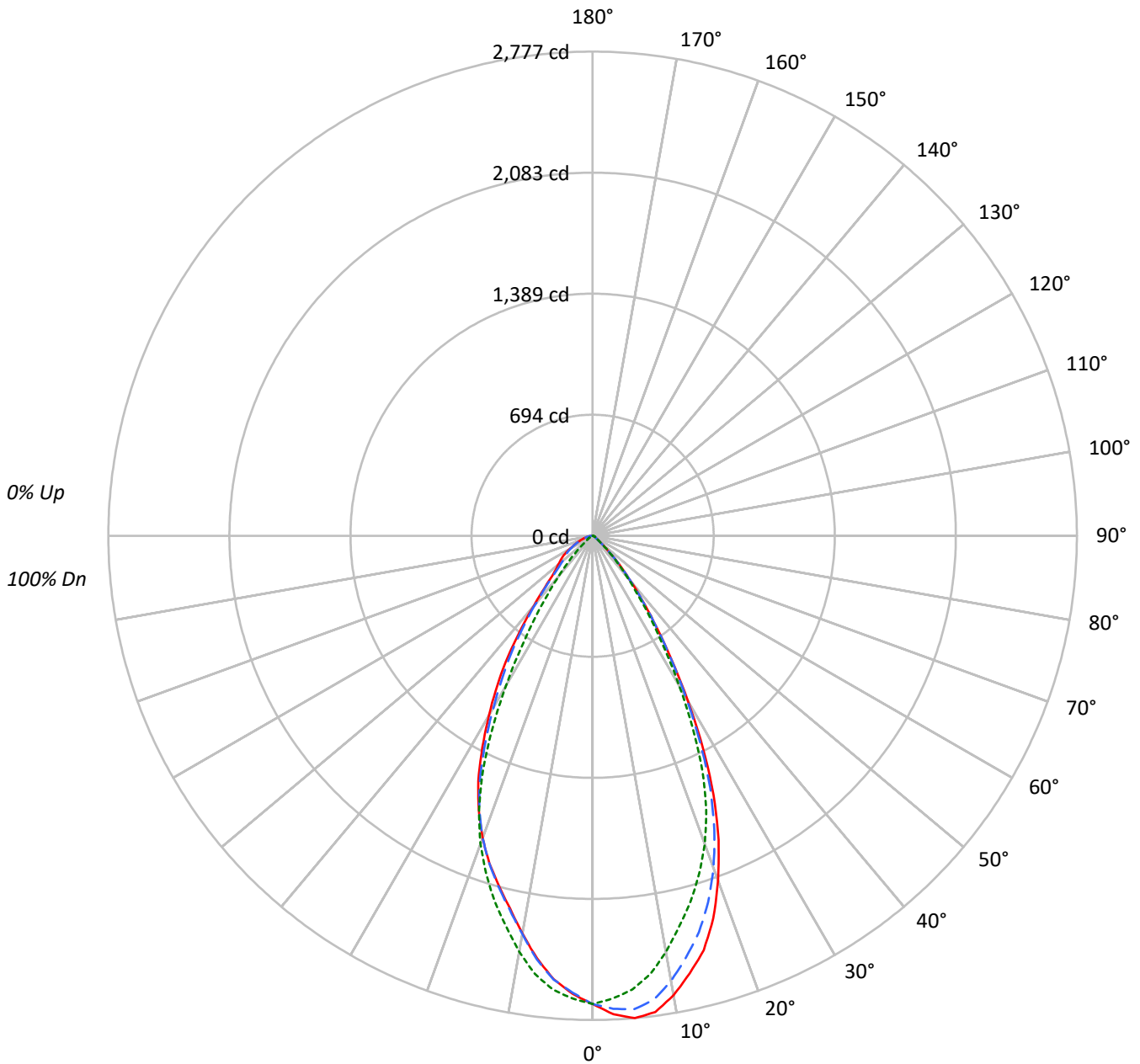
Lumens per Lamp: N/A
Luminaire Lumens: 2312.0 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	147214	147214	147214
5°	152812	143759	140507
10°	148901	134845	128911
15°	139649	123213	117889
20°	122598	109688	107594
25°	99157	90114	93828
30°	68935	62775	75094
35°	42483	38454	56670
40°	24045	21555	37642
45°	11676	11141	25685
50°	4443	4443	21833
55°	2437	2877	20147
60°	1776	2291	16512
65°	1505	1959	13529
70°	1298	1667	11140
75°	1228	1716	9574
80°	726	1452	6945
85°	755	2893	6542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.8	10.6
10°-20°	617.9	26.7
20°-30°	695.6	30.1
30°-40°	430.7	18.6
40°-50°	171.5	7.4
50°-60°	78.1	3.4
60°-70°	44.9	1.9
70°-80°	21.3	0.9
80°-90°	6.2	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°	1559.3	67.4
0°-40°	1990.0	86.1
0°-60°	2239.6	96.9
0°-90°	2312.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2312.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2685	2685	2685	2685	2685	
5°	2777	2726	2612	2556	2553	262
15°	2461	2354	2171	2083	2077	681
25°	1639	1595	1490	1527	1551	737
35°	635	631	575	800	847	408
45°	151	151	144	313	331	128
55°	26	24	30	185	211	25
65°	12	10	15	103	104	11
75°	6	6	8	44	45	6
85°	1	1	5	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°	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4	2685.4
2.5°	2746.8	2721.3	2715.5	2693.5	2656.4	2635.5	2622.8	2613.5	2629.8
5°	2776.9	2749.1	2725.9	2680.7	2612.4	2574.1	2555.6	2540.5	2553.3
7.5°	2754.9	2715.5	2684.2	2621.6	2534.8	2475.7	2450.2	2432.8	2444.4
10°	2674.9	2627.4	2591.5	2517.4	2422.4	2351.7	2320.4	2304.2	2315.8
12.5°	2570.7	2531.3	2476.8	2395.7	2293.8	2219.6	2196.5	2183.7	2188.4
15°	2460.6	2414.3	2354.0	2272.9	2171.0	2096.9	2082.9	2074.8	2077.2
17.5°	2300.7	2255.6	2203.4	2124.7	2030.8	1970.6	1970.6	1964.8	1968.3
20°	2101.5	2077.2	2026.2	1960.1	1880.2	1825.8	1843.1	1837.4	1844.3
22.5°	1886.0	1867.5	1823.4	1769.0	1701.8	1658.9	1697.2	1696.0	1705.3
25°	1639.3	1625.3	1595.2	1548.9	1489.8	1463.2	1526.9	1526.9	1551.2
27.5°	1367.0	1353.1	1332.3	1292.9	1244.2	1236.1	1329.9	1341.5	1368.2
30°	1089.0	1079.7	1068.1	1032.2	991.7	1006.7	1136.5	1156.2	1186.3
32.5°	841.1	835.3	831.8	799.4	763.4	813.3	961.5	987.0	1017.1
35°	634.8	622.1	631.4	607.0	574.6	637.2	800.5	822.5	846.8
37.5°	468.0	458.8	466.9	449.5	420.5	488.9	643.0	656.9	673.1
40°	336.0	327.9	334.8	324.4	301.2	364.9	503.9	519.0	526.0
42.5°	238.6	224.7	231.7	223.6	212.0	274.6	396.2	410.1	412.4
45°	150.6	146.0	150.6	146.0	143.7	203.9	312.8	325.5	331.3
47.5°	91.5	85.7	85.7	83.4	85.7	150.6	258.3	276.9	286.1
50°	52.1	49.8	48.7	47.5	52.1	118.2	223.6	244.4	256.0
52.5°	34.8	33.6	33.6	32.4	38.2	99.6	201.6	220.1	231.7
55°	25.5	24.3	24.3	24.3	30.1	85.7	185.4	200.4	210.8
57.5°	19.7	19.7	19.7	18.5	25.5	73.0	165.7	173.8	181.9
60°	16.2	15.1	15.1	15.1	20.9	62.6	142.5	146.0	150.6
62.5°	12.7	12.7	12.7	12.7	17.4	55.6	122.8	122.8	125.1
65°	11.6	10.4	10.4	10.4	15.1	48.7	103.1	101.9	104.3
67.5°	9.3	9.3	9.3	9.3	12.7	41.7	84.6	83.4	85.7
70°	8.1	8.1	8.1	8.1	10.4	34.8	68.4	67.2	69.5
72.5°	7.0	7.0	7.0	7.0	9.3	29.0	54.4	54.4	55.6
75°	5.8	5.8	5.8	5.8	8.1	22.0	44.0	44.0	45.2
77.5°	4.6	4.6	4.6	4.6	5.8	17.4	33.6	32.4	32.4
80°	2.3	3.5	3.5	3.5	4.6	12.7	24.3	22.0	22.0
82.5°	1.2	2.3	2.3	2.3	4.6	9.3	16.2	15.1	15.1
85°	1.2	1.2	1.2	3.5	4.6	7.0	10.4	10.4	10.4
87.5°	0.0	1.2	2.3	4.6	5.8	5.8	7.0	5.8	5.8
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)