

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: P799379

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWMW**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799379
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: LD6C15D010 EU6159035 6LBMDDWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

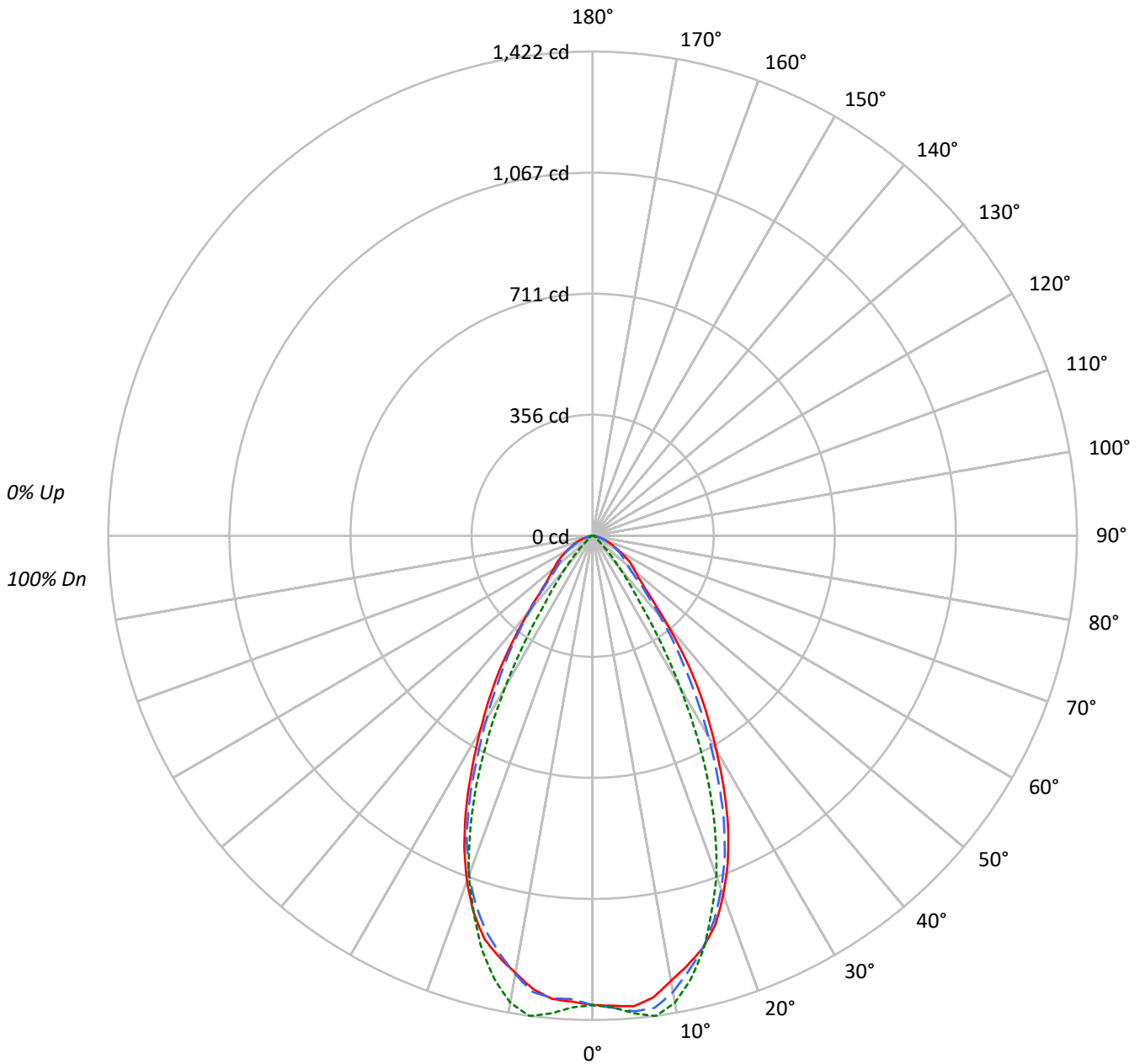
Lumens per Lamp: N/A
Luminaire Lumens: 1403.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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°	75548	75548	75548
5°	76337	77498	75143
10°	73863	77492	72577
15°	71090	71368	69580
20°	65432	61996	62976
25°	56943	48886	53041
30°	45925	32480	41665
35°	35603	16744	31293
40°	24431	8681	21068
45°	16738	4349	14784
50°	13927	1851	12673
55°	12530	1606	11326
60°	9911	1535	9451
65°	8185	1362	8094
70°	6636	1234	6636
75°	4893	1334	5189
80°	2873	1105	3094
85°	2201	1321	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.2	9.4
10°-20°	344.3	24.5
20°-30°	393.0	28.0
30°-40°	260.6	18.6
40°-50°	125.7	9.0
50°-60°	77.3	5.5
60°-70°	46.8	3.3
70°-80°	19.7	1.4
80°-90°	4.3	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°	868.5	61.9
0°-40°	1129.1	80.5
0°-60°	1332.2	95.0
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1378	1378	1378	1378	1378	
5°	1387	1402	1408	1363	1366	130
15°	1253	1253	1258	1204	1226	349
25°	941	910	808	855	877	427
35°	532	469	250	437	468	329
45°	216	189	56	177	191	176
55°	131	106	17	106	118	115
65°	63	60	10	57	62	63
75°	23	23	6	22	24	25
85°	4	5	2	4	4	4
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°	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1	1378.1
2.5°	1381.6	1383.7	1387.9	1388.6	1386.5	1373.2	1362.0	1366.2	1369.7
5°	1387.2	1391.4	1401.9	1411.8	1408.3	1385.8	1363.4	1362.7	1365.5
7.5°	1366.9	1376.7	1398.4	1423.0	1422.3	1383.7	1350.8	1342.4	1342.4
10°	1326.9	1336.1	1359.9	1392.8	1392.1	1343.8	1307.3	1303.1	1303.8
12.5°	1291.2	1295.4	1307.3	1333.3	1333.3	1285.6	1257.5	1261.8	1267.4
15°	1252.6	1255.4	1252.6	1261.1	1257.5	1218.3	1204.3	1217.6	1226.0
17.5°	1198.0	1199.4	1184.6	1173.4	1160.1	1135.6	1139.1	1158.7	1160.8
20°	1121.6	1130.7	1104.0	1075.3	1062.7	1039.5	1059.2	1080.9	1079.5
22.5°	1037.4	1048.0	1013.6	965.9	940.0	930.9	965.9	985.6	984.9
25°	941.4	949.1	909.9	843.3	808.2	806.8	855.2	875.5	876.9
27.5°	833.5	836.3	792.1	705.2	661.7	672.2	733.2	761.3	764.8
30°	725.5	724.1	678.5	570.6	513.1	541.9	623.9	654.7	658.2
32.5°	626.7	622.5	570.6	441.6	372.9	415.7	523.6	555.9	561.5
35°	532.0	525.0	469.0	326.7	250.2	314.0	437.4	465.4	467.6
37.5°	433.2	429.7	385.5	244.6	174.5	238.3	356.8	377.1	375.0
40°	341.4	341.4	304.9	181.6	121.3	177.3	282.5	300.7	294.4
42.5°	267.8	271.3	240.4	133.9	86.2	131.8	223.6	240.4	233.4
45°	215.9	215.9	189.3	99.5	56.1	98.1	176.6	192.1	190.7
47.5°	183.0	180.2	153.5	72.9	30.8	73.6	148.6	167.5	166.8
50°	163.3	159.1	131.8	57.5	21.7	61.0	130.4	147.9	148.6
52.5°	147.9	141.6	118.5	51.2	18.9	53.3	118.5	132.5	132.5
55°	131.1	127.6	106.5	45.6	16.8	47.7	106.5	119.2	118.5
57.5°	110.8	110.1	95.3	41.4	15.4	42.1	95.3	103.0	100.2
60°	90.4	93.2	82.7	37.2	14.0	37.9	81.3	87.6	86.2
62.5°	75.7	79.2	72.2	32.9	11.9	33.6	68.7	75.0	73.6
65°	63.1	65.9	60.3	28.0	10.5	28.0	56.8	62.4	62.4
67.5°	51.9	54.0	49.8	23.1	9.1	23.1	46.3	51.2	51.9
70°	41.4	42.8	39.3	18.2	7.7	18.9	36.5	41.4	41.4
72.5°	32.2	32.9	30.8	14.7	7.0	14.7	28.0	32.2	32.2
75°	23.1	24.5	23.1	11.2	6.3	11.2	21.7	23.8	24.5
77.5°	13.3	16.8	16.8	9.1	4.9	8.4	15.4	16.1	16.1
80°	9.1	10.5	11.9	6.3	3.5	6.3	9.8	10.5	9.8
82.5°	6.3	7.0	7.0	4.2	2.8	4.2	6.3	7.0	6.3
85°	3.5	4.9	4.9	3.5	2.1	2.8	3.5	4.2	3.5
87.5°	2.1	2.8	3.5	2.8	2.1	2.1	2.1	2.1	1.4
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)