

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: P799355

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDDWMW**

Issue Date: 4/12/2024

Test Information

Test Method: LM-79-08
Report Number: P799355
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 EU6159027 6LBMDDWMW
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Summary

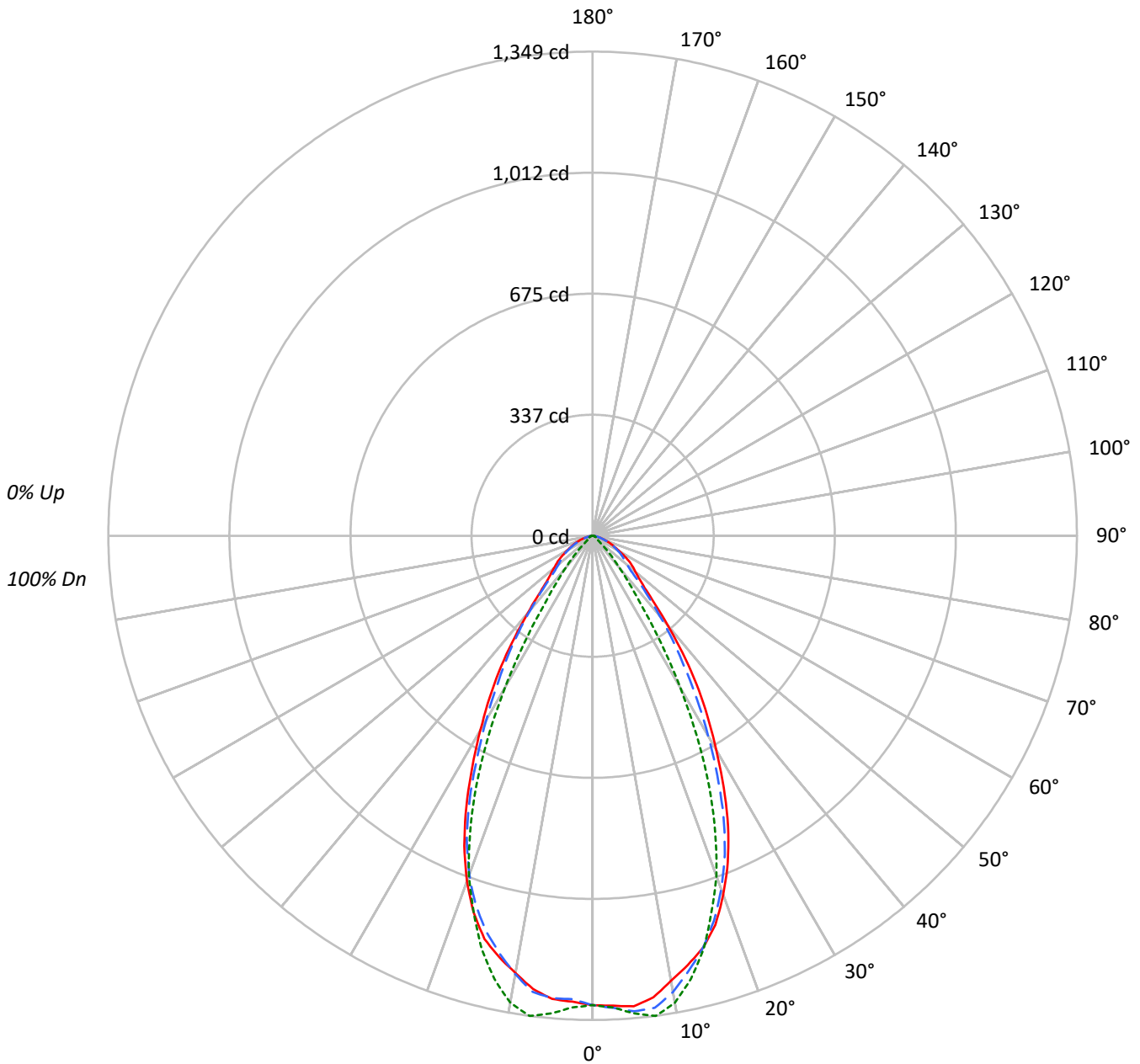
Lumens per Lamp: N/A
Luminaire Lumens: 1331.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P799355

CATALOG NUMBER: LD6C15D010 EU6159027 6LBMDDWMW

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				100				
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91				91				
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83				83				
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76				76				
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70				70				
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64				64				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59				
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55				
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51				51				
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48				48				
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45				45				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	71672	71672	71672
5°	72419	73520	71285
10°	70072	73518	68853
15°	67446	67708	66011
20°	62072	58811	59744
25°	54021	46376	50319
30°	43570	30815	39525
35°	33776	15888	29687
40°	23179	8230	19987
45°	15878	4124	14025
50°	13211	1757	12025
55°	11890	1529	10743
60°	9407	1458	8969
65°	7770	1297	7679
70°	6283	1170	6283
75°	4639	1271	4935
80°	2715	1042	2936
85°	2076	1258	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	9.4
10°-20°	326.6	24.5
20°-30°	372.8	28.0
30°-40°	247.3	18.6
40°-50°	119.3	9.0
50°-60°	73.4	5.5
60°-70°	44.4	3.3
70°-80°	18.7	1.4
80°-90°	4.1	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°	823.9	61.9
0°-40°	1071.2	80.5
0°-60°	1263.8	95.0
0°-90°	1331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1331.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1307	1307	1307	1307	1307	
5°	1316	1330	1336	1293	1295	124
15°	1188	1188	1193	1142	1163	331
25°	893	863	767	811	832	405
35°	505	445	237	415	444	312
45°	205	180	53	168	181	167
55°	124	101	16	101	112	109
65°	60	57	10	54	59	60
75°	22	22	6	21	23	23
85°	3	5	2	3	3	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°	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4	1307.4
2.5°	1310.7	1312.7	1316.7	1317.4	1315.4	1302.7	1292.1	1296.1	1299.4
5°	1316.0	1320.0	1330.0	1339.3	1336.0	1314.7	1293.4	1292.8	1295.4
7.5°	1296.8	1306.1	1326.7	1350.0	1349.3	1312.7	1281.5	1273.5	1273.5
10°	1258.8	1267.5	1290.1	1321.4	1320.7	1274.8	1240.2	1236.2	1236.9
12.5°	1224.9	1228.9	1240.2	1264.8	1264.8	1219.6	1193.0	1197.0	1202.3
15°	1188.4	1191.0	1188.4	1196.3	1193.0	1155.8	1142.5	1155.1	1163.1
17.5°	1136.5	1137.8	1123.9	1113.2	1100.6	1077.3	1080.6	1099.2	1101.2
20°	1064.0	1072.6	1047.4	1020.1	1008.1	986.2	1004.8	1025.4	1024.1
22.5°	984.2	994.2	961.6	916.4	891.8	883.1	916.4	935.0	934.3
25°	893.1	900.4	863.2	800.0	766.7	765.4	811.3	830.6	831.9
27.5°	790.7	793.3	751.5	669.0	627.8	637.7	695.6	722.2	725.5
30°	688.3	686.9	643.7	541.3	486.8	514.0	591.9	621.1	624.4
32.5°	594.5	590.5	541.3	419.0	353.8	394.3	496.8	527.3	532.7
35°	504.7	498.1	444.9	309.9	237.4	297.9	415.0	441.6	443.6
37.5°	411.0	407.6	365.8	232.1	165.6	226.1	338.5	357.8	355.8
40°	323.9	323.9	289.3	172.2	115.0	168.2	268.0	285.3	279.3
42.5°	254.0	257.4	228.1	127.0	81.8	125.0	212.1	228.1	221.4
45°	204.8	204.8	179.6	94.4	53.2	93.1	167.6	182.2	180.9
47.5°	173.6	170.9	145.6	69.2	29.3	69.8	141.0	158.9	158.3
50°	154.9	151.0	125.0	54.5	20.6	57.9	123.7	140.3	141.0
52.5°	140.3	134.3	112.4	48.5	18.0	50.5	112.4	125.7	125.7
55°	124.4	121.0	101.1	43.2	16.0	45.2	101.1	113.1	112.4
57.5°	105.1	104.4	90.4	39.2	14.6	39.9	90.4	97.8	95.1
60°	85.8	88.4	78.5	35.2	13.3	35.9	77.1	83.1	81.8
62.5°	71.8	75.1	68.5	31.3	11.3	31.9	65.2	71.2	69.8
65°	59.9	62.5	57.2	26.6	10.0	26.6	53.9	59.2	59.2
67.5°	49.2	51.2	47.2	21.9	8.6	21.9	43.9	48.5	49.2
70°	39.2	40.6	37.2	17.3	7.3	18.0	34.6	39.2	39.2
72.5°	30.6	31.3	29.3	14.0	6.7	14.0	26.6	30.6	30.6
75°	21.9	23.3	21.9	10.6	6.0	10.6	20.6	22.6	23.3
77.5°	12.6	16.0	16.0	8.6	4.7	8.0	14.6	15.3	15.3
80°	8.6	10.0	11.3	6.0	3.3	6.0	9.3	10.0	9.3
82.5°	6.0	6.7	6.7	4.0	2.7	4.0	6.0	6.7	6.0
85°	3.3	4.7	4.7	3.3	2.0	2.7	3.3	4.0	3.3
87.5°	2.0	2.7	3.3	2.7	2.0	2.0	2.0	2.0	1.3
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)