

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: P799402

Luminaire Tested: **LD6C15D010 EU6159050 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799402
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 EU6159050 6LBMDDWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

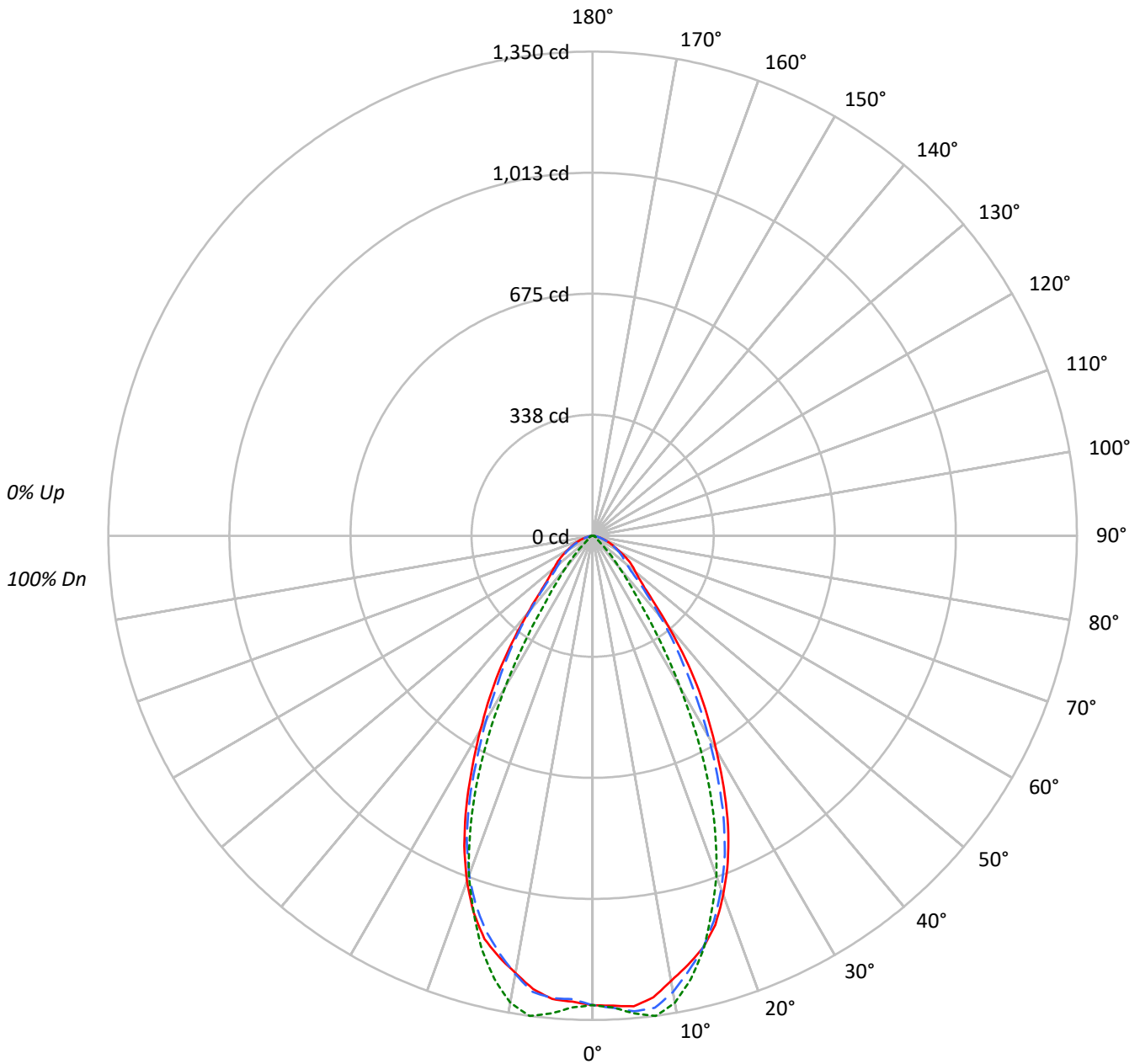
Lumens per Lamp: N/A
Luminaire Lumens: 1332.0 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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°	71727	71727	71727
5°	72474	73575	71340
10°	70128	73574	68903
15°	67498	67759	66062
20°	62119	58858	59791
25°	54064	46412	50356
30°	43602	30834	39557
35°	33803	15901	29707
40°	23193	8237	20002
45°	15893	4124	14032
50°	13228	1757	12034
55°	11890	1529	10752
60°	9407	1458	8980
65°	7770	1297	7679
70°	6299	1170	6299
75°	4660	1271	4935
80°	2747	1042	2936
85°	2076	1258	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	9.3
10°-20°	326.9	24.5
20°-30°	373.1	28.0
30°-40°	247.4	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°	824.6	61.9
0°-40°	1072.0	80.5
0°-60°	1264.8	95.0
0°-90°	1332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1332.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1308	1308	1308	1308	1308	
5°	1317	1331	1337	1294	1296	124
15°	1189	1189	1194	1143	1164	331
25°	894	864	767	812	832	405
35°	505	445	238	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°	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4	1308.4
2.5°	1311.7	1313.7	1317.7	1318.4	1316.4	1303.7	1293.1	1297.1	1300.4
5°	1317.0	1321.0	1331.0	1340.3	1337.0	1315.7	1294.4	1293.7	1296.4
7.5°	1297.7	1307.0	1327.7	1351.0	1350.3	1313.7	1282.4	1274.4	1274.4
10°	1259.8	1268.4	1291.1	1322.4	1321.7	1275.8	1241.2	1237.2	1237.8
12.5°	1225.9	1229.8	1241.2	1265.8	1265.8	1220.5	1193.9	1197.9	1203.2
15°	1189.3	1191.9	1189.3	1197.2	1193.9	1156.6	1143.3	1156.0	1164.0
17.5°	1137.3	1138.7	1124.7	1114.0	1101.4	1078.1	1081.4	1100.1	1102.1
20°	1064.8	1073.5	1048.2	1020.9	1008.9	986.9	1005.6	1026.2	1024.9
22.5°	984.9	994.9	962.3	917.1	892.4	883.8	917.1	935.7	935.0
25°	893.8	901.1	863.8	800.6	767.3	766.0	811.9	831.2	832.5
27.5°	791.3	793.9	752.0	669.5	628.2	638.2	696.1	722.7	726.1
30°	688.8	687.5	644.2	541.7	487.1	514.4	592.3	621.6	624.9
32.5°	595.0	591.0	541.7	419.3	354.0	394.6	497.1	527.7	533.1
35°	505.1	498.5	445.2	310.1	237.6	298.1	415.3	441.9	443.9
37.5°	411.3	408.0	366.0	232.3	165.7	226.3	338.7	358.0	356.0
40°	324.1	324.1	289.5	172.4	115.1	168.4	268.2	285.5	279.5
42.5°	254.2	257.5	228.3	127.1	81.9	125.1	212.3	228.3	221.6
45°	205.0	205.0	179.7	94.5	53.2	93.2	167.7	182.3	181.0
47.5°	173.7	171.0	145.7	69.2	29.3	69.9	141.1	159.1	158.4
50°	155.1	151.1	125.1	54.6	20.6	57.9	123.8	140.4	141.1
52.5°	140.4	134.4	112.5	48.6	18.0	50.6	112.5	125.8	125.8
55°	124.4	121.1	101.2	43.3	16.0	45.3	101.2	113.1	112.5
57.5°	105.1	104.5	90.5	39.3	14.6	39.9	90.5	97.8	95.2
60°	85.8	88.5	78.5	35.3	13.3	35.9	77.2	83.2	81.9
62.5°	71.9	75.2	68.5	31.3	11.3	31.9	65.2	71.2	69.9
65°	59.9	62.6	57.2	26.6	10.0	26.6	53.9	59.2	59.2
67.5°	49.2	51.2	47.3	22.0	8.7	22.0	43.9	48.6	49.2
70°	39.3	40.6	37.3	17.3	7.3	18.0	34.6	39.3	39.3
72.5°	30.6	31.3	29.3	14.0	6.7	14.0	26.6	30.6	30.6
75°	22.0	23.3	22.0	10.6	6.0	10.6	20.6	22.6	23.3
77.5°	12.6	16.0	16.0	8.7	4.7	8.0	14.6	15.3	15.3
80°	8.7	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)