

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: P799390

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799390
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 EU6159040 6LBMDDWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

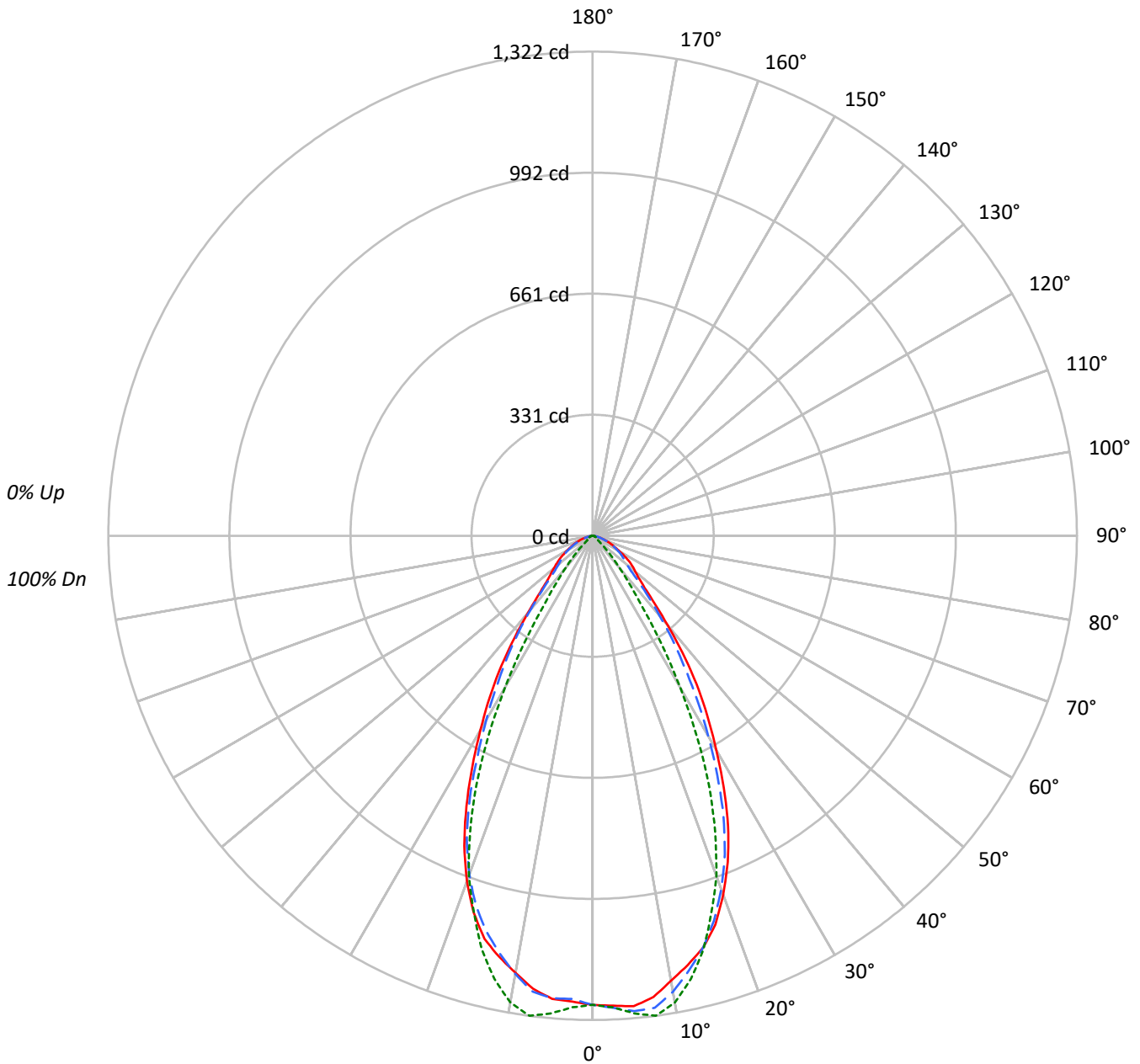
Lumens per Lamp: N/A
Luminaire Lumens: 1304.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	70219	70219	70219
5°	70950	72028	69838
10°	68653	72026	67456
15°	66079	66334	64671
20°	60812	57621	58531
25°	52926	45438	49297
30°	42684	30188	38727
35°	33093	15566	29085
40°	22707	8065	19580
45°	15560	4039	13738
50°	12946	1723	11778
55°	11641	1491	10523
60°	9210	1425	8782
65°	7601	1271	7524
70°	6155	1154	6155
75°	4554	1250	4829
80°	2683	1042	2873
85°	2076	1258	2076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	9.3
10°-20°	320.0	24.5
20°-30°	365.3	28.0
30°-40°	242.2	18.6
40°-50°	116.8	9.0
50°-60°	71.9	5.5
60°-70°	43.5	3.3
70°-80°	18.3	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°	807.2	61.9
0°-40°	1049.5	80.5
0°-60°	1238.2	94.9
0°-90°	1304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1304.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1281	1281	1281	1281	1281	
5°	1289	1303	1309	1267	1269	121
15°	1164	1164	1169	1119	1140	324
25°	875	846	751	795	815	397
35°	494	436	233	406	435	306
45°	201	176	52	164	177	164
55°	122	99	16	99	110	107
65°	59	56	10	53	58	59
75°	22	22	6	20	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°	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9
2.5°	1284.1	1286.1	1290.0	1290.6	1288.7	1276.3	1265.9	1269.8	1273.1
5°	1289.3	1293.3	1303.0	1312.1	1308.9	1288.0	1267.2	1266.5	1269.1
7.5°	1270.4	1279.6	1299.8	1322.6	1321.9	1286.1	1255.5	1247.6	1247.6
10°	1233.3	1241.8	1263.9	1294.6	1293.9	1248.9	1215.1	1211.2	1211.8
12.5°	1200.1	1204.0	1215.1	1239.2	1239.2	1194.9	1168.8	1172.7	1177.9
15°	1164.3	1166.9	1164.3	1172.1	1168.8	1132.3	1119.3	1131.7	1139.5
17.5°	1113.4	1114.7	1101.1	1090.6	1078.3	1055.4	1058.7	1076.9	1078.9
20°	1042.4	1050.9	1026.1	999.4	987.7	966.2	984.4	1004.6	1003.3
22.5°	964.2	974.0	942.1	897.8	873.7	865.2	897.8	916.0	915.4
25°	875.0	882.1	845.7	783.8	751.2	749.9	794.8	813.7	815.0
27.5°	774.6	777.3	736.2	655.4	615.0	624.8	681.5	707.5	710.8
30°	674.3	673.0	630.7	530.3	476.9	503.6	579.8	608.5	611.8
32.5°	582.5	578.5	530.3	410.5	346.6	386.3	486.7	516.6	521.9
35°	494.5	488.0	435.9	303.6	232.6	291.9	406.5	432.6	434.6
37.5°	402.6	399.4	358.3	227.4	162.2	221.5	331.6	350.5	348.6
40°	317.3	317.3	283.4	168.7	112.7	164.8	262.6	279.5	273.6
42.5°	248.9	252.1	223.5	124.4	80.1	122.5	207.8	223.5	217.0
45°	200.7	200.7	175.9	92.5	52.1	91.2	164.2	178.5	177.2
47.5°	170.0	167.4	142.7	67.8	28.7	68.4	138.1	155.7	155.1
50°	151.8	147.9	122.5	53.4	20.2	56.7	121.2	137.5	138.1
52.5°	137.5	131.6	110.1	47.6	17.6	49.5	110.1	123.1	123.1
55°	121.8	118.6	99.0	42.3	15.6	44.3	99.0	110.8	110.1
57.5°	102.9	102.3	88.6	38.4	14.3	39.1	88.6	95.8	93.2
60°	84.0	86.7	76.9	34.5	13.0	35.2	75.6	81.4	80.1
62.5°	70.4	73.6	67.1	30.6	11.1	31.3	63.8	69.7	68.4
65°	58.6	61.2	56.0	26.1	9.8	26.1	52.8	58.0	58.0
67.5°	48.2	50.2	46.3	21.5	8.5	21.5	43.0	47.6	48.2
70°	38.4	39.7	36.5	16.9	7.2	17.6	33.9	38.4	38.4
72.5°	30.0	30.6	28.7	13.7	6.5	13.7	26.1	30.0	30.0
75°	21.5	22.8	21.5	10.4	5.9	10.4	20.2	22.2	22.8
77.5°	12.4	15.6	15.6	8.5	4.6	7.8	14.3	15.0	15.0
80°	8.5	9.8	11.1	5.9	3.3	5.9	9.1	9.8	9.1
82.5°	5.9	6.5	6.5	3.9	2.6	3.9	5.9	6.5	5.9
85°	3.3	4.6	4.6	3.3	2.0	2.6	3.3	3.9	3.3
87.5°	2.0	2.6	3.3	2.6	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)