

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: P799389

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDDWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799389
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 6LBMDDWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

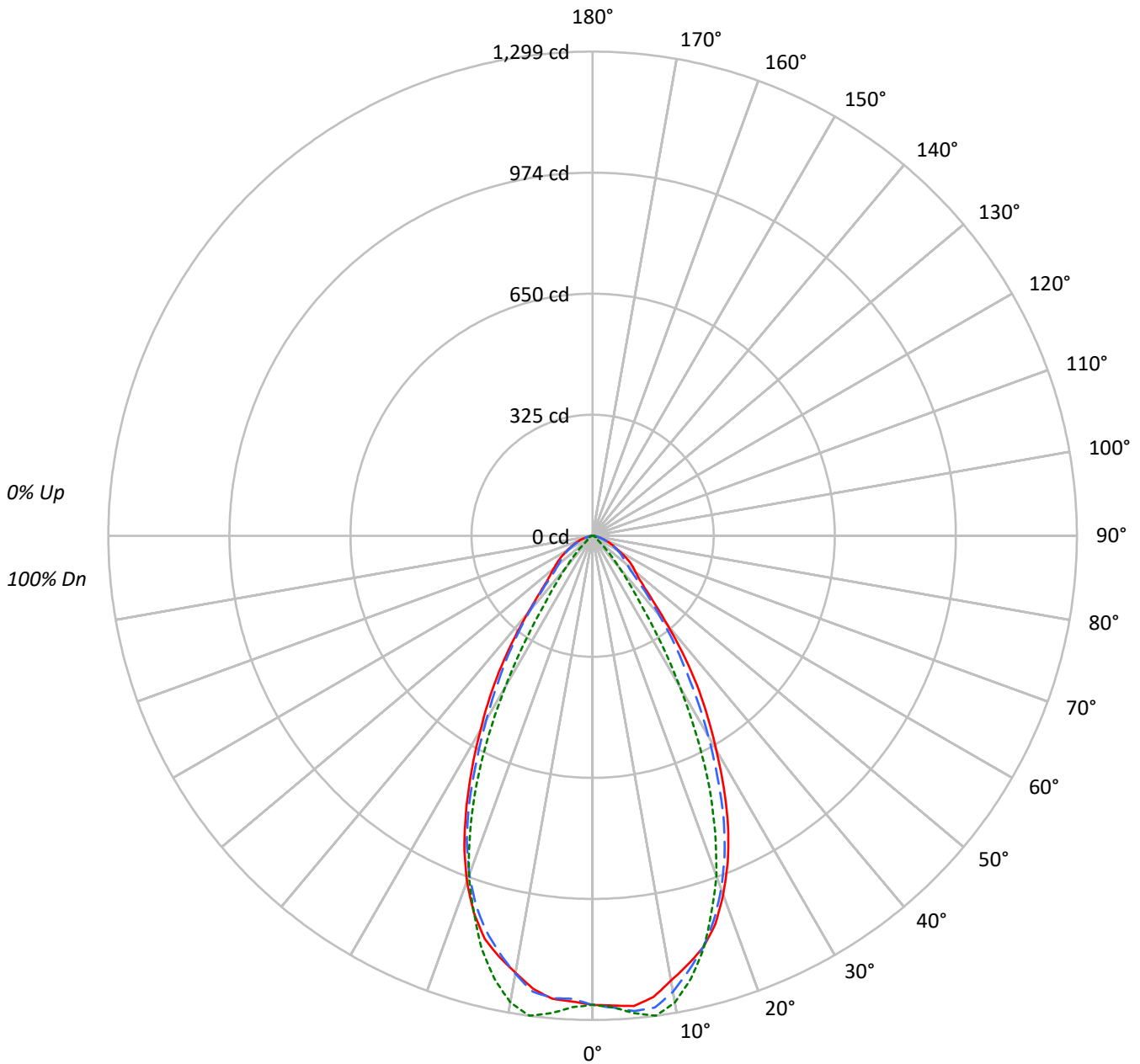
Lumens per Lamp: N/A
Luminaire Lumens: 1281.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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			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°	68980	68980	68980
5°	69700	70757	68611
10°	67445	70757	66265
15°	64910	65165	63530
20°	59739	56606	57498
25°	51989	44634	48432
30°	41931	29656	38044
35°	32511	15292	28569
40°	22306	7922	19236
45°	15281	3969	13498
50°	12716	1689	11573
55°	11440	1472	10341
60°	9056	1403	8629
65°	7472	1245	7394
70°	6059	1122	6059
75°	4469	1228	4745
80°	2620	1010	2841
85°	2013	1195	2013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	9.4
10°-20°	314.4	24.5
20°-30°	358.8	28.0
30°-40°	238.0	18.6
40°-50°	114.8	9.0
50°-60°	70.6	5.5
60°-70°	42.7	3.3
70°-80°	18.0	1.4
80°-90°	4.0	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°	793.0	61.9
0°-40°	1031.0	80.5
0°-60°	1216.3	95.0
0°-90°	1281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1258	1258	1258	1258	1258	
5°	1267	1280	1286	1245	1247	119
15°	1144	1144	1148	1100	1119	319
25°	860	831	738	781	801	390
35°	486	428	228	399	427	300
45°	197	173	51	161	174	161
55°	120	97	15	97	108	105
65°	58	55	10	52	57	58
75°	21	21	6	20	22	23
85°	3	4	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°	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3	1258.3
2.5°	1261.5	1263.4	1267.2	1267.9	1266.0	1253.8	1243.6	1247.4	1250.6
5°	1266.6	1270.4	1280.0	1289.0	1285.8	1265.3	1244.8	1244.2	1246.8
7.5°	1248.0	1257.0	1276.8	1299.2	1298.6	1263.4	1233.3	1225.6	1225.6
10°	1211.6	1219.9	1241.6	1271.7	1271.1	1226.9	1193.6	1189.8	1190.4
12.5°	1178.9	1182.8	1193.6	1217.3	1217.3	1173.8	1148.2	1152.0	1157.2
15°	1143.7	1146.3	1143.7	1151.4	1148.2	1112.4	1099.6	1111.7	1119.4
17.5°	1093.8	1095.1	1081.6	1071.4	1059.2	1036.8	1040.0	1058.0	1059.9
20°	1024.0	1032.4	1008.0	981.8	970.3	949.2	967.1	986.9	985.6
22.5°	947.2	956.8	925.5	881.9	858.3	849.9	881.9	899.9	899.2
25°	859.5	866.6	830.7	769.9	737.9	736.7	780.8	799.4	800.7
27.5°	761.0	763.5	723.2	643.9	604.2	613.8	669.5	695.1	698.3
30°	662.4	661.1	619.5	521.0	468.5	494.7	569.6	597.8	601.0
32.5°	572.2	568.3	521.0	403.2	340.5	379.5	478.1	507.5	512.7
35°	485.8	479.4	428.2	298.2	228.5	286.7	399.4	425.0	426.9
37.5°	395.5	392.3	352.0	223.4	159.4	217.6	325.8	344.3	342.4
40°	311.7	311.7	278.4	165.8	110.7	161.9	257.9	274.6	268.8
42.5°	244.5	247.7	219.5	122.2	78.7	120.3	204.2	219.5	213.1
45°	197.1	197.1	172.8	90.9	51.2	89.6	161.3	175.4	174.1
47.5°	167.0	164.5	140.2	66.6	28.2	67.2	135.7	153.0	152.3
50°	149.1	145.3	120.3	52.5	19.8	55.7	119.0	135.0	135.7
52.5°	135.0	129.3	108.2	46.7	17.3	48.6	108.2	121.0	121.0
55°	119.7	116.5	97.3	41.6	15.4	43.5	97.3	108.8	108.2
57.5°	101.1	100.5	87.0	37.8	14.1	38.4	87.0	94.1	91.5
60°	82.6	85.1	75.5	33.9	12.8	34.6	74.2	80.0	78.7
62.5°	69.1	72.3	65.9	30.1	10.9	30.7	62.7	68.5	67.2
65°	57.6	60.2	55.0	25.6	9.6	25.6	51.8	57.0	57.0
67.5°	47.4	49.3	45.4	21.1	8.3	21.1	42.2	46.7	47.4
70°	37.8	39.0	35.8	16.6	7.0	17.3	33.3	37.8	37.8
72.5°	29.4	30.1	28.2	13.4	6.4	13.4	25.6	29.4	29.4
75°	21.1	22.4	21.1	10.2	5.8	10.2	19.8	21.8	22.4
77.5°	12.2	15.4	15.4	8.3	4.5	7.7	14.1	14.7	14.7
80°	8.3	9.6	10.9	5.8	3.2	5.8	9.0	9.6	9.0
82.5°	5.8	6.4	6.4	3.8	2.6	3.8	5.8	6.4	5.8
85°	3.2	4.5	4.5	3.2	1.9	2.6	3.2	3.8	3.2
87.5°	1.9	2.6	3.2	2.6	1.9	1.9	1.9	1.9	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)