

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: P799395

Luminaire Tested: **LD6C15D010 EU6159040 6LBMDSWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15D010 EU6159040 6LBMDSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

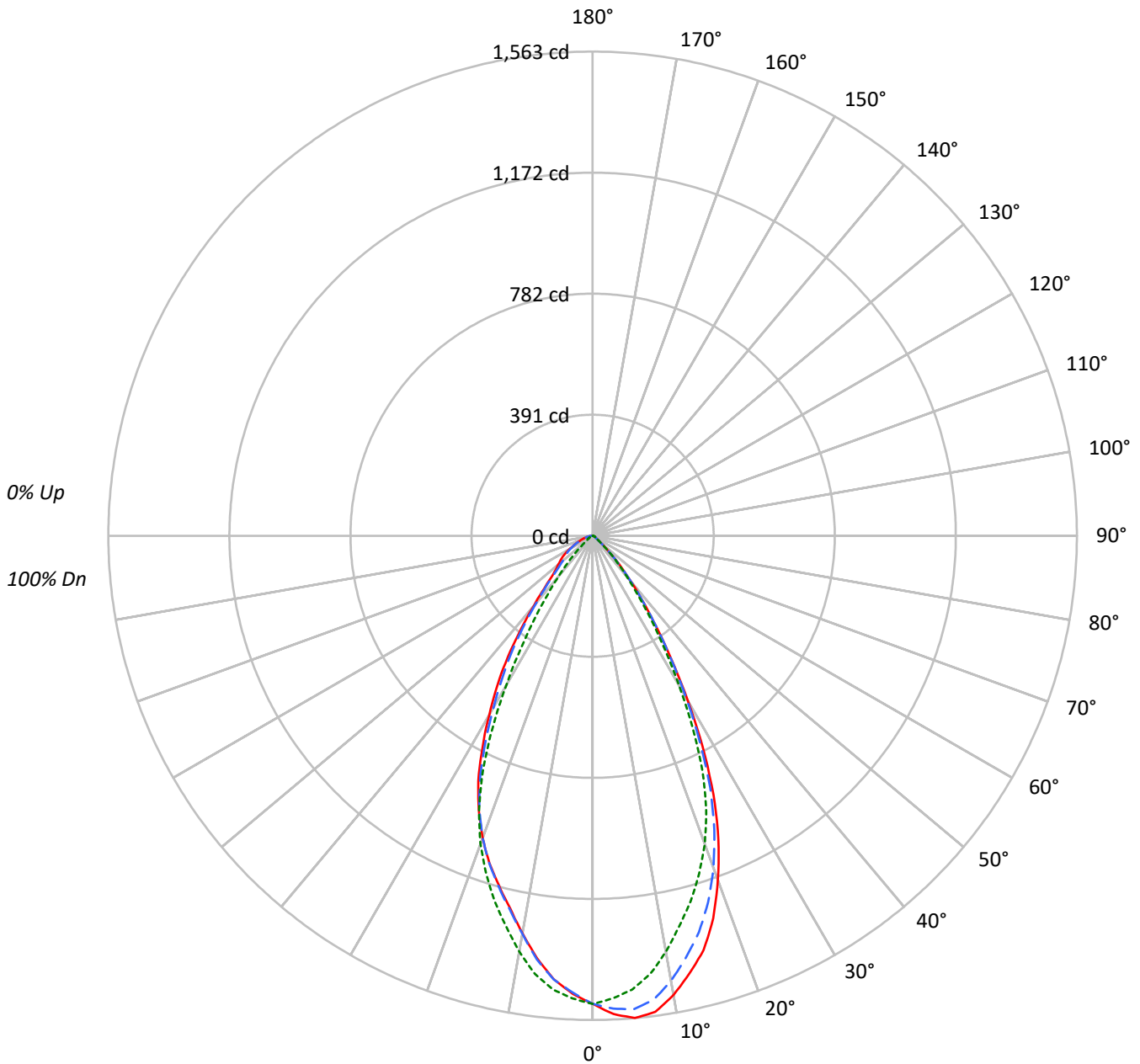
Lumens per Lamp: N/A
Luminaire Lumens: 1301.0 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	82839	82839	82839
5°	85989	80893	79066
10°	83788	75878	72538
15°	78582	69336	66334
20°	68985	61722	60544
25°	55794	50707	52799
30°	38791	35322	42253
35°	23905	21636	31889
40°	13525	12130	21183
45°	6567	6264	14451
50°	2499	2499	12290
55°	1367	1615	11335
60°	998	1283	9287
65°	843	1103	7614
70°	737	946	6267
75°	699	974	5380
80°	410	821	3915
85°	440	1635	3711



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	10.6
10°-20°	347.7	26.7
20°-30°	391.4	30.1
30°-40°	242.4	18.6
40°-50°	96.5	7.4
50°-60°	43.9	3.4
60°-70°	25.3	1.9
70°-80°	12.0	0.9
80°-90°	3.5	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°	877.4	67.4
0°-40°	1119.8	86.1
0°-60°	1260.2	96.9
0°-90°	1301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1301.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1511	1511	1511	1511	1511	
5°	1563	1534	1470	1438	1437	147
15°	1385	1325	1222	1172	1169	383
25°	922	898	838	859	873	415
35°	357	355	323	450	476	230
45°	85	85	81	176	186	72
55°	14	14	17	104	119	14
65°	6	6	8	58	59	6
75°	3	3	5	25	25	3
85°	1	1	3	6	6	1
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°	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1	1511.1
2.5°	1545.6	1531.3	1528.0	1515.7	1494.8	1483.1	1475.9	1470.7	1479.8
5°	1562.6	1546.9	1533.9	1508.5	1470.0	1448.5	1438.1	1429.6	1436.8
7.5°	1550.2	1528.0	1510.4	1475.2	1426.3	1393.1	1378.8	1369.0	1375.5
10°	1505.2	1478.5	1458.3	1416.6	1363.1	1323.3	1305.7	1296.6	1303.1
12.5°	1446.6	1424.4	1393.8	1348.1	1290.8	1249.0	1236.0	1228.8	1231.4
15°	1384.6	1358.6	1324.7	1279.0	1221.7	1179.9	1172.1	1167.5	1168.8
17.5°	1294.7	1269.2	1239.9	1195.6	1142.8	1108.9	1108.9	1105.6	1107.6
20°	1182.5	1168.8	1140.2	1103.0	1058.0	1027.4	1037.2	1033.9	1037.8
22.5°	1061.3	1050.9	1026.1	995.4	957.6	933.5	955.0	954.4	959.6
25°	922.4	914.6	897.7	871.6	838.3	823.3	859.2	859.2	872.9
27.5°	769.2	761.4	749.7	727.5	700.1	695.6	748.4	754.9	769.9
30°	612.8	607.6	601.0	580.8	558.0	566.5	639.5	650.6	667.5
32.5°	473.3	470.0	468.1	449.8	429.6	457.6	541.1	555.4	572.4
35°	357.2	350.1	355.3	341.6	323.3	358.5	450.5	462.8	476.5
37.5°	263.4	258.2	262.7	252.9	236.6	275.1	361.8	369.6	378.8
40°	189.0	184.5	188.4	182.5	169.5	205.3	283.6	292.0	296.0
42.5°	134.3	126.5	130.4	125.8	119.3	154.5	222.9	230.8	232.1
45°	84.7	82.1	84.7	82.1	80.8	114.7	176.0	183.2	186.4
47.5°	51.5	48.2	48.2	46.9	48.2	84.7	145.4	155.8	161.0
50°	29.3	28.0	27.4	26.7	29.3	66.5	125.8	137.6	144.1
52.5°	19.6	18.9	18.9	18.3	21.5	56.1	113.4	123.9	130.4
55°	14.3	13.7	13.7	13.7	16.9	48.2	104.3	112.8	118.6
57.5°	11.1	11.1	11.1	10.4	14.3	41.1	93.2	97.8	102.3
60°	9.1	8.5	8.5	8.5	11.7	35.2	80.2	82.1	84.7
62.5°	7.2	7.2	7.2	7.2	9.8	31.3	69.1	69.1	70.4
65°	6.5	5.9	5.9	5.9	8.5	27.4	58.0	57.4	58.7
67.5°	5.2	5.2	5.2	5.2	7.2	23.5	47.6	46.9	48.2
70°	4.6	4.6	4.6	4.6	5.9	19.6	38.5	37.8	39.1
72.5°	3.9	3.9	3.9	3.9	5.2	16.3	30.6	30.6	31.3
75°	3.3	3.3	3.3	3.3	4.6	12.4	24.8	24.8	25.4
77.5°	2.6	2.6	2.6	2.6	3.3	9.8	18.9	18.3	18.3
80°	1.3	2.0	2.0	2.0	2.6	7.2	13.7	12.4	12.4
82.5°	0.7	1.3	1.3	1.3	2.6	5.2	9.1	8.5	8.5
85°	0.7	0.7	0.7	2.0	2.6	3.9	5.9	5.9	5.9
87.5°	0.0	0.7	1.3	2.6	3.3	3.3	3.9	3.3	3.3
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)