

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: P799383

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDSWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799383  
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 EU6159035 6LBMDSWH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

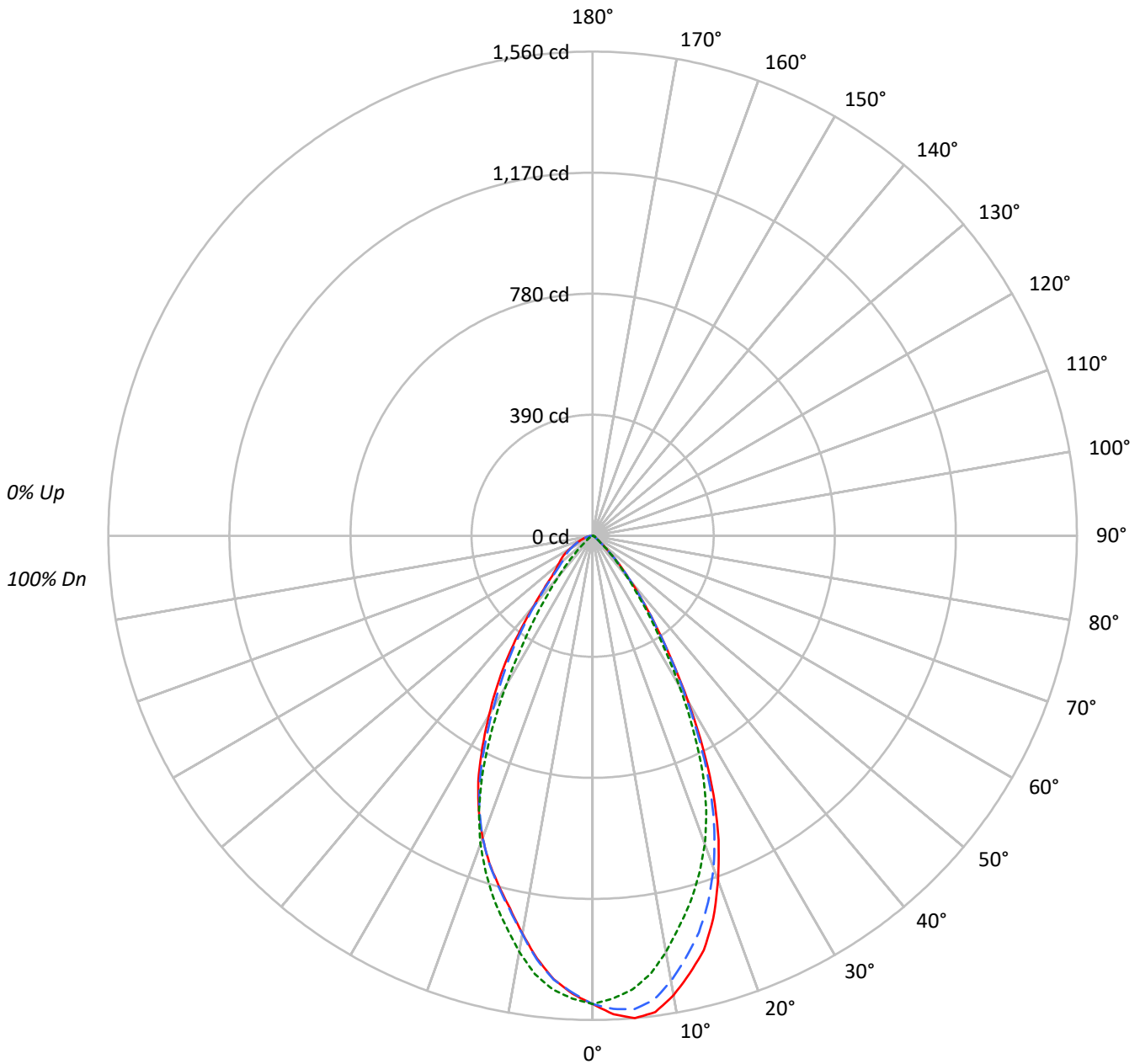
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1299.1 lumens  
Efficiency: N/A  
Efficacy: 82.2 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<sub>in</sub>): 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	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	82713	82713	82713
5°	85857	80772	78945
10°	83660	75761	72427
15°	78462	69229	66238
20°	68880	61629	60450
25°	55709	50628	52715
30°	38727	35271	42190
35°	23871	21603	31842
40°	13511	12108	21147
45°	6559	6256	14436
50°	2499	2499	12264
55°	1367	1615	11326
60°	998	1283	9276
65°	843	1103	7601
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°	138.1	10.6
10°-20°	347.2	26.7
20°-30°	390.8	30.1
30°-40°	242.0	18.6
40°-50°	96.4	7.4
50°-60°	43.9	3.4
60°-70°	25.2	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°	876.1	67.4
0°-40°	1118.1	86.1
0°-60°	1258.3	96.9
0°-90°	1299.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1299.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1509	1509	1509	1509	1509	
5°	1560	1532	1468	1436	1435	147
15°	1382	1323	1220	1170	1167	382
25°	921	896	837	858	872	414
35°	357	355	323	450	476	229
45°	85	85	81	176	186	72
55°	14	14	17	104	118	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°	1508.8	1508.8	1508.8	1508.8	1508.8	1508.8	1508.8	1508.8	1508.8
2.5°	1543.3	1528.9	1525.7	1513.3	1492.5	1480.8	1473.6	1468.4	1477.5
5°	1560.2	1544.6	1531.6	1506.2	1467.8	1446.3	1435.9	1427.4	1434.6
7.5°	1547.8	1525.7	1508.1	1473.0	1424.2	1391.0	1376.6	1366.9	1373.4
10°	1502.9	1476.2	1456.0	1414.4	1361.0	1321.3	1303.7	1294.6	1301.1
12.5°	1444.3	1422.2	1391.6	1346.0	1288.8	1247.1	1234.1	1226.9	1229.5
15°	1382.5	1356.5	1322.6	1277.1	1219.8	1178.1	1170.3	1165.8	1167.1
17.5°	1292.7	1267.3	1238.0	1193.7	1141.0	1107.2	1107.2	1103.9	1105.9
20°	1180.7	1167.1	1138.4	1101.3	1056.4	1025.8	1035.6	1032.3	1036.2
22.5°	1059.7	1049.2	1024.5	993.9	956.2	932.1	953.6	952.9	958.1
25°	921.0	913.2	896.3	870.2	837.0	822.1	857.9	857.9	871.5
27.5°	768.1	760.2	748.5	726.4	699.1	694.5	747.2	753.7	768.7
30°	611.8	606.6	600.1	579.9	557.2	565.6	638.5	649.6	666.5
32.5°	472.5	469.3	467.3	449.1	428.9	456.9	540.2	554.6	571.5
35°	356.7	349.5	354.7	341.1	322.8	358.0	449.8	462.1	475.8
37.5°	263.0	257.8	262.3	252.5	236.3	274.7	361.2	369.1	378.2
40°	188.8	184.2	188.1	182.3	169.2	205.0	283.1	291.6	295.5
42.5°	134.1	126.3	130.2	125.6	119.1	154.3	222.6	230.4	231.7
45°	84.6	82.0	84.6	82.0	80.7	114.6	175.7	182.9	186.2
47.5°	51.4	48.2	48.2	46.9	48.2	84.6	145.1	155.6	160.8
50°	29.3	28.0	27.3	26.7	29.3	66.4	125.6	137.3	143.8
52.5°	19.5	18.9	18.9	18.2	21.5	56.0	113.3	123.7	130.2
55°	14.3	13.7	13.7	13.7	16.9	48.2	104.1	112.6	118.5
57.5°	11.1	11.1	11.1	10.4	14.3	41.0	93.1	97.6	102.2
60°	9.1	8.5	8.5	8.5	11.7	35.1	80.1	82.0	84.6
62.5°	7.2	7.2	7.2	7.2	9.8	31.2	69.0	69.0	70.3
65°	6.5	5.9	5.9	5.9	8.5	27.3	57.9	57.3	58.6
67.5°	5.2	5.2	5.2	5.2	7.2	23.4	47.5	46.9	48.2
70°	4.6	4.6	4.6	4.6	5.9	19.5	38.4	37.8	39.1
72.5°	3.9	3.9	3.9	3.9	5.2	16.3	30.6	30.6	31.2
75°	3.3	3.3	3.3	3.3	4.6	12.4	24.7	24.7	25.4
77.5°	2.6	2.6	2.6	2.6	3.3	9.8	18.9	18.2	18.2
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)