

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: P799360

Luminaire Tested: **LD6C15D010 EU6159027 6LBMDSWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799360  
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 EU6159027 6LBMDSWLI  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

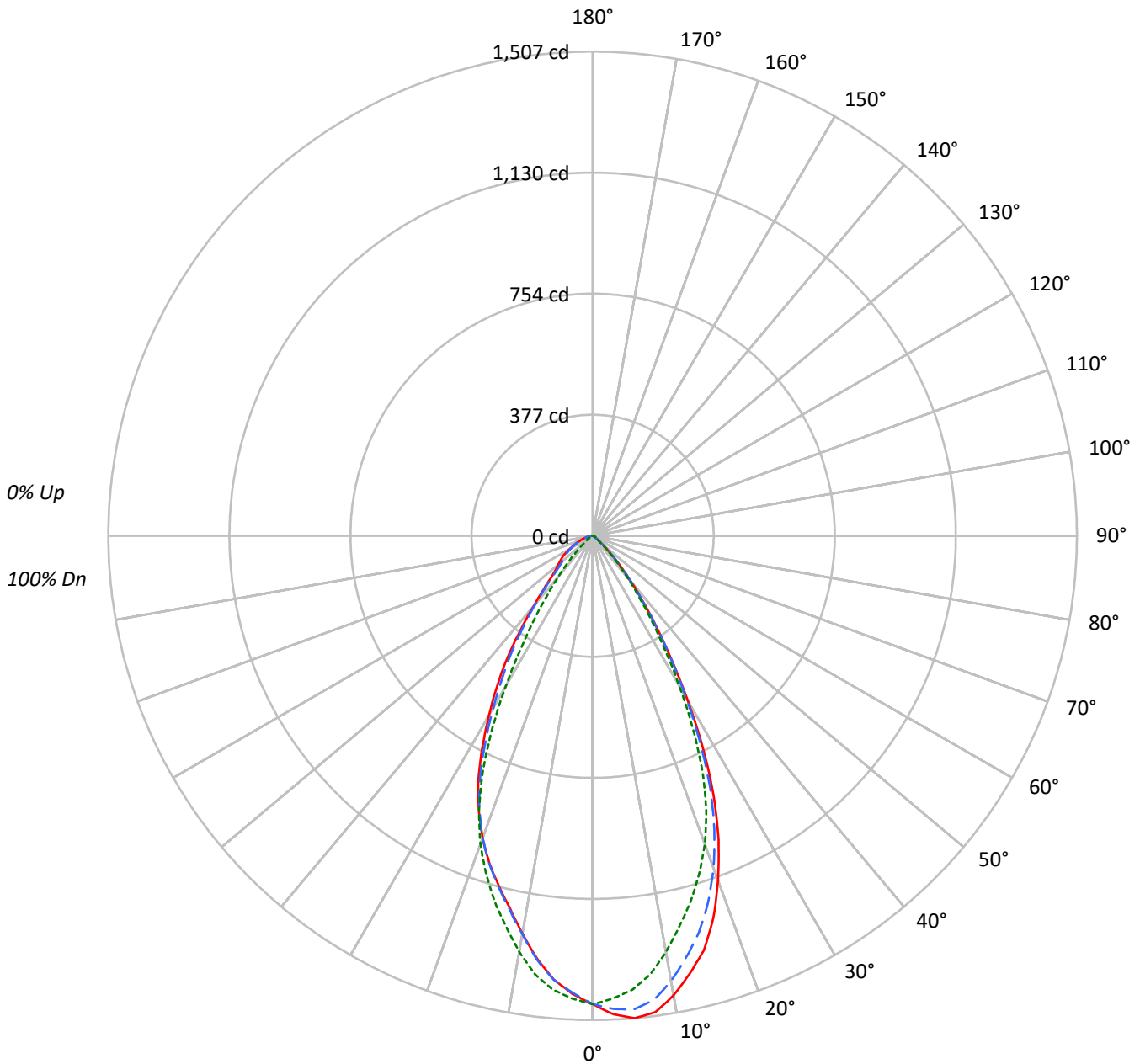
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1255.0 lumens  
Efficiency: N/A  
Efficacy: 79.4 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									
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	58	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°	79911	79911	79911
5°	82946	78032	76271
10°	80827	73195	69978
15°	75806	66885	63990
20°	66547	59540	58403
25°	53822	48916	50930
30°	37417	34075	40759
35°	23062	20873	30765
40°	13053	11700	20431
45°	6342	6047	13947
50°	2414	2414	11855
55°	1319	1567	10943
60°	965	1239	8969
65°	817	1064	7342
70°	705	914	6043
75°	657	932	5189
80°	410	789	3757
85°	377	1572	3585



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	10.6
10°-20°	335.4	26.7
20°-30°	377.6	30.1
30°-40°	233.8	18.6
40°-50°	93.1	7.4
50°-60°	42.4	3.4
60°-70°	24.4	1.9
70°-80°	11.6	0.9
80°-90°	3.4	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°	846.4	67.4
0°-40°	1080.2	86.1
0°-60°	1215.7	96.9
0°-90°	1255.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1255.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1458	1458	1458	1458	1458	
5°	1507	1480	1418	1387	1386	142
15°	1336	1278	1178	1131	1128	370
25°	890	866	809	829	842	400
35°	345	343	312	434	460	221
45°	82	82	78	170	180	69
55°	14	13	16	101	114	14
65°	6	6	8	56	57	6
75°	3	3	4	24	24	3
85°	1	1	2	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°	1457.7	1457.7	1457.7	1457.7	1457.7	1457.7	1457.7	1457.7	1457.7
2.5°	1491.0	1477.2	1474.0	1462.1	1441.9	1430.6	1423.7	1418.7	1427.5
5°	1507.3	1492.3	1479.7	1455.2	1418.0	1397.3	1387.2	1379.1	1386.0
7.5°	1495.4	1474.0	1457.0	1423.1	1375.9	1343.8	1330.0	1320.6	1326.9
10°	1452.0	1426.2	1406.7	1366.5	1314.9	1276.6	1259.6	1250.8	1257.1
12.5°	1395.4	1374.0	1344.5	1300.5	1245.1	1204.9	1192.3	1185.4	1187.9
15°	1335.7	1310.5	1277.8	1233.8	1178.5	1138.2	1130.7	1126.3	1127.5
17.5°	1248.9	1224.4	1196.1	1153.3	1102.4	1069.7	1069.7	1066.5	1068.4
20°	1140.7	1127.5	1099.9	1064.0	1020.6	991.1	1000.5	997.4	1001.1
22.5°	1023.8	1013.7	989.8	960.2	923.8	900.5	921.3	920.6	925.7
25°	889.8	882.3	865.9	840.8	808.7	794.2	828.8	828.8	842.0
27.5°	742.0	734.5	723.2	701.8	675.4	671.0	721.9	728.2	742.7
30°	591.1	586.1	579.8	560.3	538.3	546.5	616.9	627.6	643.9
32.5°	456.5	453.4	451.5	433.9	414.4	441.5	521.9	535.8	552.1
35°	344.6	337.7	342.7	329.5	311.9	345.9	434.5	446.5	459.7
37.5°	254.1	249.0	253.4	244.0	228.3	265.4	349.0	356.6	365.4
40°	182.4	178.0	181.7	176.1	163.5	198.1	273.5	281.7	285.5
42.5°	129.5	122.0	125.8	121.4	115.1	149.0	215.1	222.6	223.9
45°	81.8	79.2	81.8	79.2	78.0	110.7	169.8	176.7	179.9
47.5°	49.7	46.5	46.5	45.3	46.5	81.8	140.2	150.3	155.3
50°	28.3	27.0	26.4	25.8	28.3	64.1	121.4	132.7	139.0
52.5°	18.9	18.2	18.2	17.6	20.8	54.1	109.4	119.5	125.8
55°	13.8	13.2	13.2	13.2	16.4	46.5	100.6	108.8	114.5
57.5°	10.7	10.7	10.7	10.1	13.8	39.6	89.9	94.3	98.7
60°	8.8	8.2	8.2	8.2	11.3	34.0	77.3	79.2	81.8
62.5°	6.9	6.9	6.9	6.9	9.4	30.2	66.7	66.7	67.9
65°	6.3	5.7	5.7	5.7	8.2	26.4	56.0	55.3	56.6
67.5°	5.0	5.0	5.0	5.0	6.9	22.6	45.9	45.3	46.5
70°	4.4	4.4	4.4	4.4	5.7	18.9	37.1	36.5	37.7
72.5°	3.8	3.8	3.8	3.8	5.0	15.7	29.6	29.6	30.2
75°	3.1	3.1	3.1	3.1	4.4	11.9	23.9	23.9	24.5
77.5°	2.5	2.5	2.5	2.5	3.1	9.4	18.2	17.6	17.6
80°	1.3	1.9	1.9	1.9	2.5	6.9	13.2	11.9	11.9
82.5°	0.6	1.3	1.3	1.3	2.5	5.0	8.8	8.2	8.2
85°	0.6	0.6	0.6	1.9	2.5	3.8	5.7	5.7	5.7
87.5°	0.0	0.6	1.3	2.5	3.1	3.1	3.8	3.1	3.1
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)