

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: P799561

Luminaire Tested: **LD6C30D010 EU6309035 6LBMDDWWMH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799561  
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: LD6C30D010 EU6309035 6LBMDDWWMH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

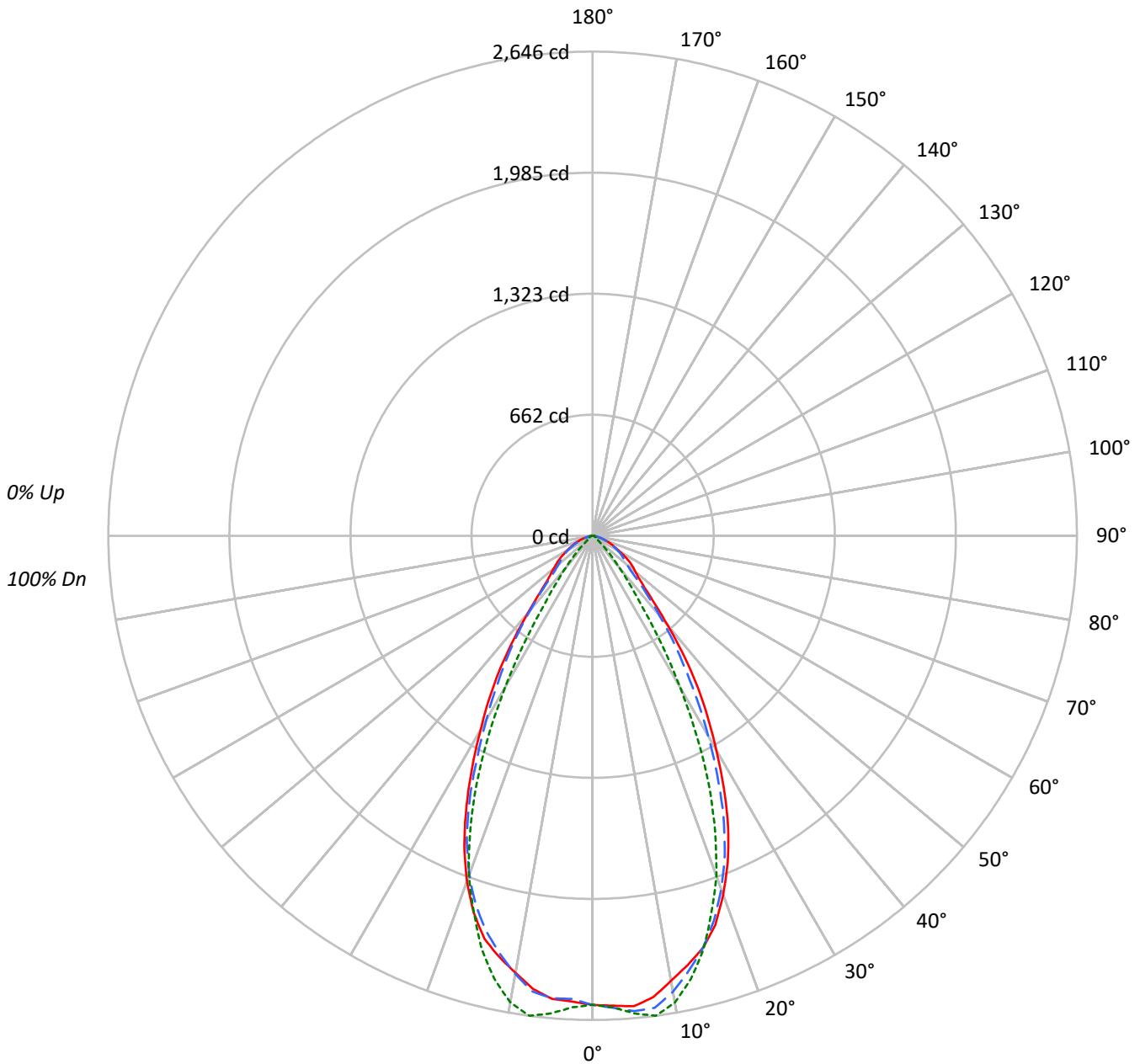
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2610.0 lumens  
Efficiency: N/A  
Efficacy: 82.6 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): 31.6  
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

TEST NUMBER: P799561

CATALOG NUMBER: LD6C30D010 EU6309035 6LBMDDWWMH

### Luminous Intensity Polar Plot





TEST NUMBER: P799561

CATALOG NUMBER: LD6C30D010 EU6309035 6LBMDDWWMH

**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	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°	140542	140542	140542
5°	142015	144166	139786
10°	137411	144163	135018
15°	132254	132770	129439
20°	121717	115329	117155
25°	105932	90943	98673
30°	85437	60421	77512
35°	66240	31153	58210
40°	45449	16145	39195
45°	31135	8086	27499
50°	25910	3446	23581
55°	23311	2992	21065
60°	18442	2862	17586
65°	15229	2542	15060
70°	12326	2292	12326
75°	9108	2478	9658
80°	5367	2052	5777
85°	4088	2453	4088



TEST NUMBER: P799561

CATALOG NUMBER: LD6C30D010 EU6309035 6LBMDDWWMH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.0	9.4
10°-20°	640.5	24.5
20°-30°	731.1	28.0
30°-40°	484.9	18.6
40°-50°	233.9	9.0
50°-60°	143.9	5.5
60°-70°	87.0	3.3
70°-80°	36.6	1.4
80°-90°	8.1	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°	1615.7	61.9
0°-40°	2100.5	80.5
0°-60°	2478.2	95.0
0°-90°	2610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2564	2564	2564	2564	2564	
5°	2581	2608	2620	2536	2540	242
15°	2330	2330	2339	2240	2281	649
25°	1751	1693	1504	1591	1631	794
35°	990	872	466	814	870	612
45°	402	352	104	329	355	328
55°	244	198	31	198	220	214
65°	117	112	20	106	116	118
75°	43	43	12	40	46	46
85°	6	9	4	6	6	8
90°	0	0	0	0	0	



TEST NUMBER: P799561

CATALOG NUMBER: LD6C30D010 EU6309035 6LBMDDWWMH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7	2563.7
2.5°	2570.2	2574.1	2582.0	2583.3	2579.4	2554.6	2533.7	2541.5	2548.1
5°	2580.7	2588.5	2608.0	2626.3	2619.8	2578.1	2536.3	2535.0	2540.2
7.5°	2542.8	2561.1	2601.5	2647.2	2645.9	2574.1	2512.9	2497.2	2497.2
10°	2468.5	2485.5	2529.8	2591.1	2589.8	2499.8	2432.0	2424.2	2425.5
12.5°	2402.0	2409.8	2432.0	2480.3	2480.3	2391.6	2339.4	2347.2	2357.7
15°	2330.3	2335.5	2330.3	2345.9	2339.4	2266.4	2240.3	2265.1	2280.7
17.5°	2228.6	2231.2	2203.8	2182.9	2158.2	2112.5	2119.0	2155.5	2159.5
20°	2086.4	2103.4	2053.8	2000.4	1976.9	1933.9	1970.4	2010.8	2008.2
22.5°	1930.0	1949.5	1885.6	1796.9	1748.7	1731.7	1796.9	1833.5	1832.2
25°	1751.3	1765.6	1692.6	1568.7	1503.5	1500.9	1590.9	1628.7	1631.3
27.5°	1550.5	1555.7	1473.5	1311.8	1231.0	1250.6	1364.0	1416.2	1422.7
30°	1349.7	1347.1	1262.3	1061.5	954.5	1008.0	1160.6	1218.0	1224.5
32.5°	1165.8	1158.0	1061.5	821.5	693.7	773.3	974.1	1034.1	1044.5
35°	989.8	976.7	872.4	607.7	465.5	584.2	813.7	865.9	869.8
37.5°	805.9	799.4	717.2	455.1	324.7	443.4	663.7	701.6	697.7
40°	635.1	635.1	567.2	337.7	225.6	329.9	525.5	559.4	547.7
42.5°	498.1	504.7	447.3	249.1	160.4	245.2	416.0	447.3	434.2
45°	401.6	401.6	352.1	185.2	104.3	182.6	328.6	357.3	354.7
47.5°	340.3	335.1	285.6	135.6	57.4	136.9	276.5	311.7	310.4
50°	303.8	296.0	245.2	106.9	40.4	113.4	242.5	275.1	276.5
52.5°	275.1	263.4	220.4	95.2	35.2	99.1	220.4	246.5	246.5
55°	243.9	237.3	198.2	84.8	31.3	88.7	198.2	221.7	220.4
57.5°	206.0	204.7	177.3	76.9	28.7	78.2	177.3	191.7	186.5
60°	168.2	173.4	153.9	69.1	26.1	70.4	151.3	163.0	160.4
62.5°	140.8	147.4	134.3	61.3	22.2	62.6	127.8	139.5	136.9
65°	117.4	122.6	112.1	52.2	19.6	52.2	105.6	116.1	116.1
67.5°	96.5	100.4	92.6	43.0	17.0	43.0	86.1	95.2	96.5
70°	76.9	79.5	73.0	33.9	14.3	35.2	67.8	76.9	76.9
72.5°	60.0	61.3	57.4	27.4	13.0	27.4	52.2	60.0	60.0
75°	43.0	45.6	43.0	20.9	11.7	20.9	40.4	44.3	45.6
77.5°	24.8	31.3	31.3	17.0	9.1	15.6	28.7	30.0	30.0
80°	17.0	19.6	22.2	11.7	6.5	11.7	18.3	19.6	18.3
82.5°	11.7	13.0	13.0	7.8	5.2	7.8	11.7	13.0	11.7
85°	6.5	9.1	9.1	6.5	3.9	5.2	6.5	7.8	6.5
87.5°	3.9	5.2	6.5	5.2	3.9	3.9	3.9	3.9	2.6
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)