

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: P799605

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799605  
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: LD6C35D010 EU6359030 6LBMDDWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

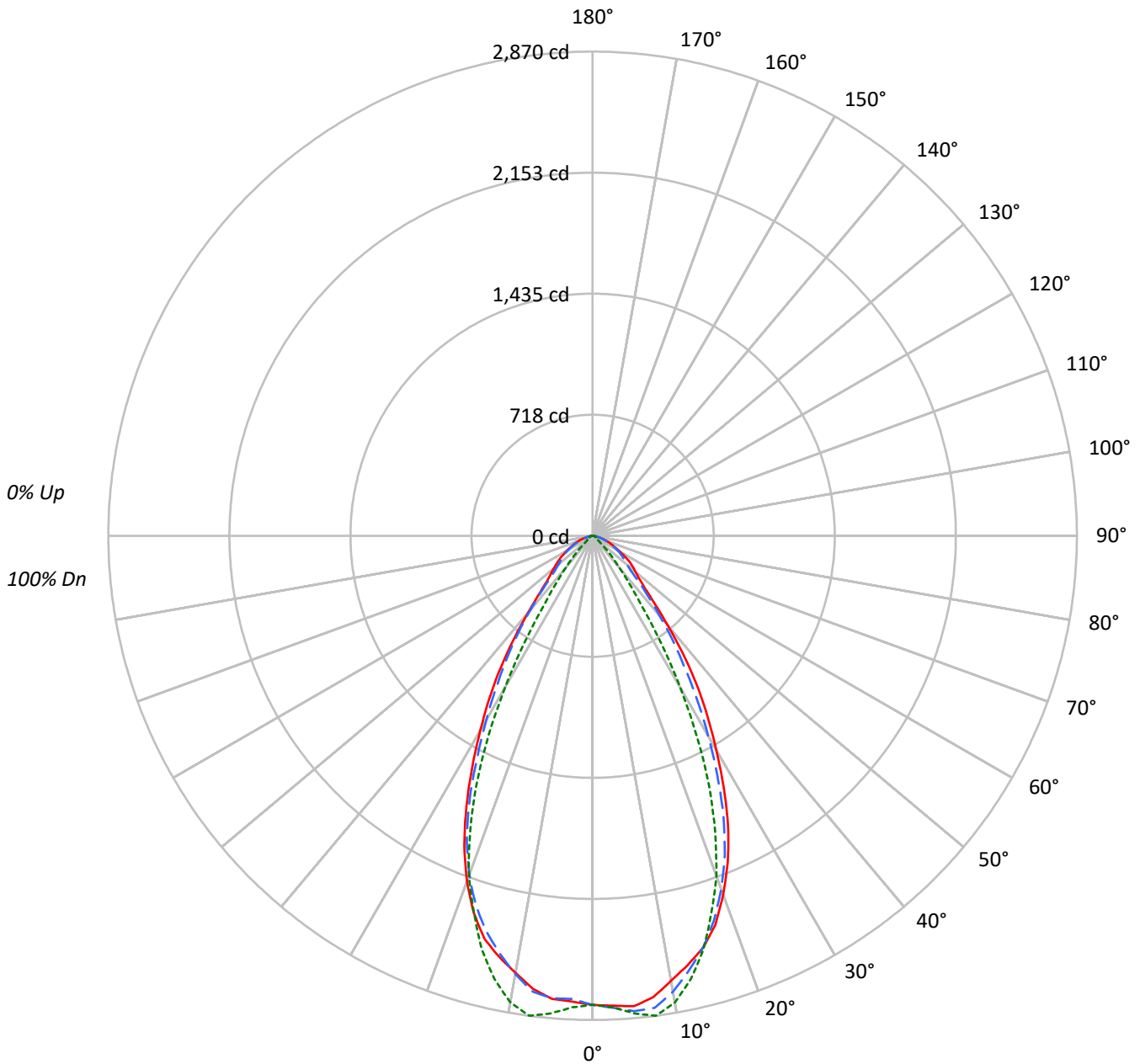
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2831.0 lumens  
Efficiency: N/A  
Efficacy: 70.1 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): 40.4  
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: P799605

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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°	152444	152444	152444
5°	154039	156372	151623
10°	149045	156371	146451
15°	143451	144013	140404
20°	132026	125095	127073
25°	114902	98643	107032
30°	92666	65542	84076
35°	71849	33796	63135
40°	49292	17511	42515
45°	33771	8776	29825
50°	28110	3735	25577
55°	25280	3240	22843
60°	20009	3103	19077
65°	16513	2750	16331
70°	13384	2500	13384
75°	9891	2690	10485
80°	5809	2241	6251
85°	4466	2642	4466



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	264.7	9.4
10°-20°	694.8	24.5
20°-30°	793.0	28.0
30°-40°	525.9	18.6
40°-50°	253.7	9.0
50°-60°	156.0	5.5
60°-70°	94.4	3.3
70°-80°	39.7	1.4
80°-90°	8.8	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°	1752.5	61.9
0°-40°	2278.4	80.5
0°-60°	2688.1	95.0
0°-90°	2831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2831.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2781	2781	2781	2781	2781	
5°	2799	2829	2842	2751	2755	263
15°	2528	2528	2538	2430	2474	704
25°	1900	1836	1631	1726	1770	861
35°	1074	946	505	883	943	664
45°	436	382	113	356	385	355
55°	264	215	34	215	239	233
65°	127	122	21	115	126	128
75°	47	47	13	44	50	50
85°	7	10	4	7	7	9
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°	2780.8	2780.8	2780.8	2780.8	2780.8	2780.8	2780.8	2780.8	2780.8
2.5°	2787.9	2792.1	2800.6	2802.0	2797.8	2770.9	2748.3	2756.7	2763.8
5°	2799.2	2807.7	2828.9	2848.7	2841.6	2796.3	2751.1	2749.7	2755.3
7.5°	2758.2	2778.0	2821.8	2871.3	2869.9	2792.1	2725.6	2708.7	2708.7
10°	2677.5	2695.9	2744.0	2810.5	2809.1	2711.5	2637.9	2629.4	2630.9
12.5°	2605.4	2613.9	2637.9	2690.3	2690.3	2594.1	2537.5	2546.0	2557.3
15°	2527.6	2533.3	2527.6	2544.6	2537.5	2458.3	2430.0	2456.9	2473.9
17.5°	2417.3	2420.1	2390.4	2367.8	2340.9	2291.4	2298.5	2338.1	2342.3
20°	2263.1	2281.5	2227.7	2169.8	2144.3	2097.6	2137.2	2181.1	2178.2
22.5°	2093.4	2114.6	2045.3	1949.1	1896.8	1878.4	1949.1	1988.7	1987.3
25°	1899.6	1915.2	1835.9	1701.6	1630.8	1628.0	1725.6	1766.6	1769.5
27.5°	1681.8	1687.4	1598.3	1422.9	1335.2	1356.4	1479.5	1536.1	1543.2
30°	1463.9	1461.1	1369.2	1151.4	1035.4	1093.4	1258.9	1321.1	1328.2
32.5°	1264.5	1256.0	1151.4	891.1	752.5	838.8	1056.6	1121.7	1133.0
35°	1073.6	1059.4	946.3	659.1	505.0	633.7	882.6	939.2	943.4
37.5°	874.1	867.1	777.9	493.6	352.2	480.9	720.0	761.0	756.7
40°	688.8	688.8	615.3	366.3	244.7	357.9	570.0	606.8	594.1
42.5°	540.3	547.4	485.2	270.2	174.0	265.9	451.2	485.2	471.0
45°	435.6	435.6	381.9	200.9	113.2	198.0	356.4	387.6	384.7
47.5°	369.2	363.5	309.8	147.1	62.2	148.5	299.9	338.1	336.6
50°	329.6	321.1	265.9	116.0	43.8	123.1	263.1	298.4	299.9
52.5°	298.4	285.7	239.0	103.3	38.2	107.5	239.0	267.3	267.3
55°	264.5	257.4	215.0	91.9	33.9	96.2	215.0	240.5	239.0
57.5°	223.5	222.1	192.4	83.5	31.1	84.9	192.4	207.9	202.3
60°	182.5	188.1	166.9	75.0	28.3	76.4	164.1	176.8	174.0
62.5°	152.8	159.8	145.7	66.5	24.0	67.9	138.6	151.3	148.5
65°	127.3	133.0	121.6	56.6	21.2	56.6	114.6	125.9	125.9
67.5°	104.7	108.9	100.4	46.7	18.4	46.7	93.4	103.3	104.7
70°	83.5	86.3	79.2	36.8	15.6	38.2	73.6	83.5	83.5
72.5°	65.1	66.5	62.2	29.7	14.1	29.7	56.6	65.1	65.1
75°	46.7	49.5	46.7	22.6	12.7	22.6	43.8	48.1	49.5
77.5°	26.9	33.9	33.9	18.4	9.9	17.0	31.1	32.5	32.5
80°	18.4	21.2	24.0	12.7	7.1	12.7	19.8	21.2	19.8
82.5°	12.7	14.1	14.1	8.5	5.7	8.5	12.7	14.1	12.7
85°	7.1	9.9	9.9	7.1	4.2	5.7	7.1	8.5	7.1
87.5°	4.2	5.7	7.1	5.7	4.2	4.2	4.2	4.2	2.8
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)