

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: P799629

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799629  
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 EU6359040 6LBMDDWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

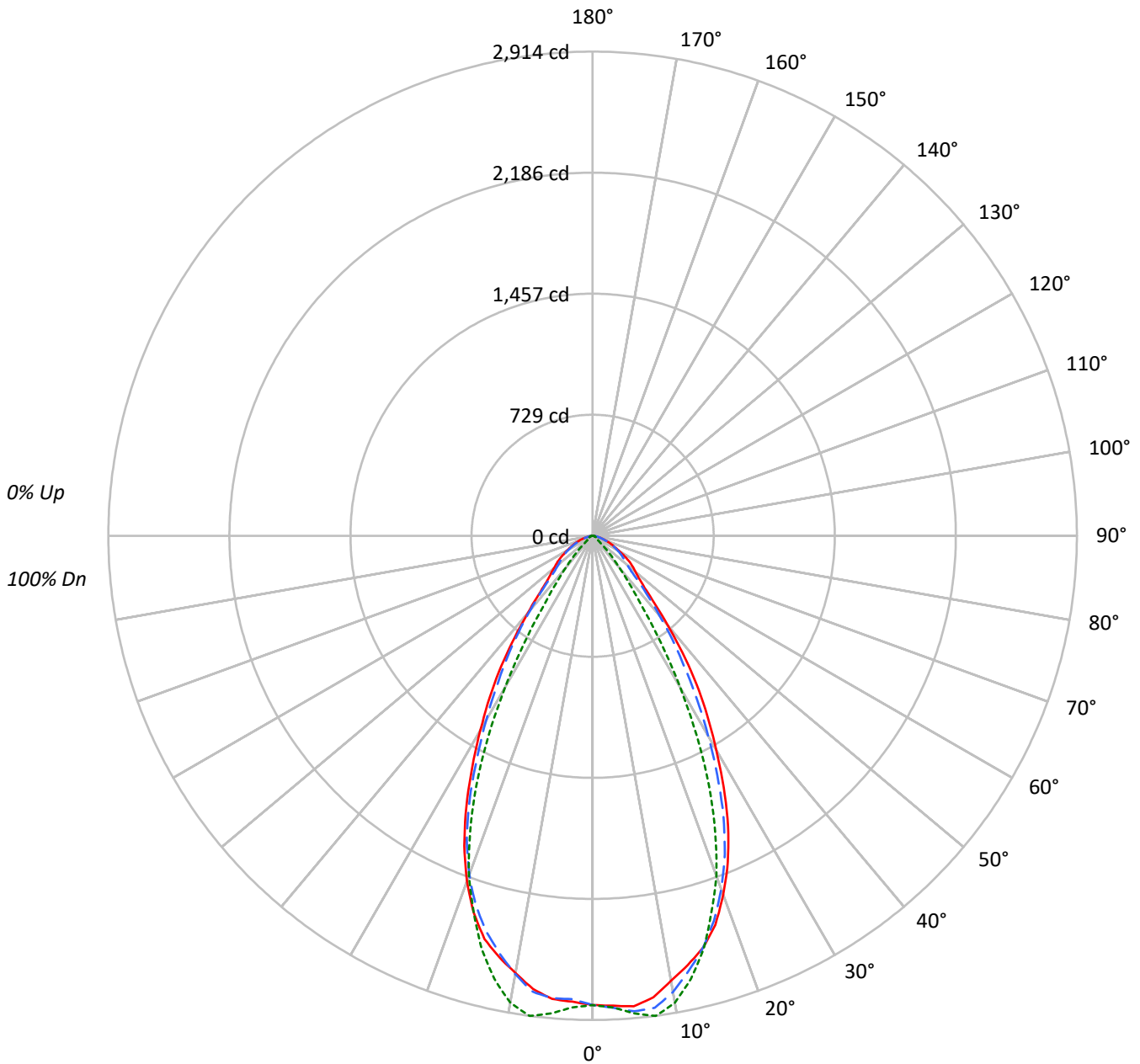
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2875.0 lumens  
Efficiency: N/A  
Efficacy: 71.2 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

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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	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°	154812	154812	154812
5°	156433	158804	153984
10°	151361	158798	148722
15°	145682	146249	142583
20°	134079	127038	129050
25°	116686	100179	108696
30°	94109	66561	85380
35°	72960	34318	64119
40°	50058	17783	43174
45°	34298	8908	30290
50°	28545	3795	25969
55°	25672	3297	23206
60°	20316	3147	19373
65°	16772	2789	16578
70°	13576	2532	13576
75°	10040	2732	10654
80°	5904	2273	6346
85°	4529	2705	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.8	9.4
10°-20°	705.6	24.5
20°-30°	805.4	28.0
30°-40°	534.1	18.6
40°-50°	257.6	9.0
50°-60°	158.5	5.5
60°-70°	95.9	3.3
70°-80°	40.3	1.4
80°-90°	8.9	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°	1779.7	61.9
0°-40°	2313.8	80.5
0°-60°	2729.9	95.0
0°-90°	2875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2824	2824	2824	2824	2824	
5°	2843	2873	2886	2794	2798	267
15°	2567	2567	2577	2468	2512	715
25°	1929	1864	1656	1752	1797	875
35°	1090	961	513	896	958	674
45°	442	388	115	362	391	361
55°	269	218	34	218	243	236
65°	129	124	22	116	128	130
75°	47	47	13	44	50	51
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°	2824.0	2824.0	2824.0	2824.0	2824.0	2824.0	2824.0	2824.0	2824.0
2.5°	2831.2	2835.5	2844.1	2845.6	2841.2	2814.0	2791.0	2799.6	2806.8
5°	2842.7	2851.3	2872.8	2893.0	2885.8	2839.8	2793.8	2792.4	2798.2
7.5°	2801.0	2821.1	2865.7	2915.9	2914.5	2835.5	2768.0	2750.8	2750.8
10°	2719.1	2737.8	2786.7	2854.2	2852.7	2753.6	2678.9	2670.3	2671.7
12.5°	2645.9	2654.5	2678.9	2732.1	2732.1	2634.4	2576.9	2585.6	2597.1
15°	2566.9	2572.6	2566.9	2584.1	2576.9	2496.5	2467.8	2495.1	2512.3
17.5°	2454.8	2457.7	2427.6	2404.6	2377.3	2327.0	2334.2	2374.4	2378.7
20°	2298.3	2317.0	2262.4	2203.5	2177.6	2130.2	2170.4	2215.0	2212.1
22.5°	2125.9	2147.5	2077.1	1979.4	1926.2	1907.6	1979.4	2019.6	2018.2
25°	1929.1	1944.9	1864.5	1728.0	1656.2	1653.3	1752.4	1794.1	1797.0
27.5°	1707.9	1713.7	1623.2	1445.0	1356.0	1377.5	1502.5	1560.0	1567.1
30°	1486.7	1483.8	1390.5	1169.2	1051.5	1110.4	1278.4	1341.6	1348.8
32.5°	1284.2	1275.5	1169.2	904.9	764.2	851.8	1073.0	1139.1	1150.6
35°	1090.2	1075.9	961.0	669.4	512.8	643.5	896.3	953.8	958.1
37.5°	887.7	880.5	790.0	501.3	357.7	488.4	731.1	772.8	768.5
40°	699.5	699.5	624.8	372.0	248.5	363.4	578.9	616.2	603.3
42.5°	548.7	555.9	492.7	274.4	176.7	270.0	458.2	492.7	478.3
45°	442.4	442.4	387.8	204.0	114.9	201.1	362.0	393.6	390.7
47.5°	374.9	369.2	314.6	149.4	63.2	150.8	304.5	343.3	341.9
50°	334.7	326.1	270.0	117.8	44.5	125.0	267.2	303.1	304.5
52.5°	303.1	290.2	242.8	104.9	38.8	109.2	242.8	271.5	271.5
55°	268.6	261.4	218.3	93.4	34.5	97.7	218.3	244.2	242.8
57.5°	227.0	225.5	195.4	84.7	31.6	86.2	195.4	211.2	205.4
60°	185.3	191.0	169.5	76.1	28.7	77.6	166.6	179.6	176.7
62.5°	155.1	162.3	148.0	67.5	24.4	68.9	140.8	153.7	150.8
65°	129.3	135.0	123.5	57.5	21.5	57.5	116.4	127.8	127.8
67.5°	106.3	110.6	102.0	47.4	18.7	47.4	94.8	104.9	106.3
70°	84.7	87.6	80.4	37.3	15.8	38.8	74.7	84.7	84.7
72.5°	66.1	67.5	63.2	30.2	14.4	30.2	57.5	66.1	66.1
75°	47.4	50.3	47.4	23.0	12.9	23.0	44.5	48.8	50.3
77.5°	27.3	34.5	34.5	18.7	10.1	17.2	31.6	33.0	33.0
80°	18.7	21.5	24.4	12.9	7.2	12.9	20.1	21.5	20.1
82.5°	12.9	14.4	14.4	8.6	5.7	8.6	12.9	14.4	12.9
85°	7.2	10.1	10.1	7.2	4.3	5.7	7.2	8.6	7.2
87.5°	4.3	5.7	7.2	5.7	4.3	4.3	4.3	4.3	2.9
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)