

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: P799617

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDDWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799617  
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 EU6359035 6LBMDDWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

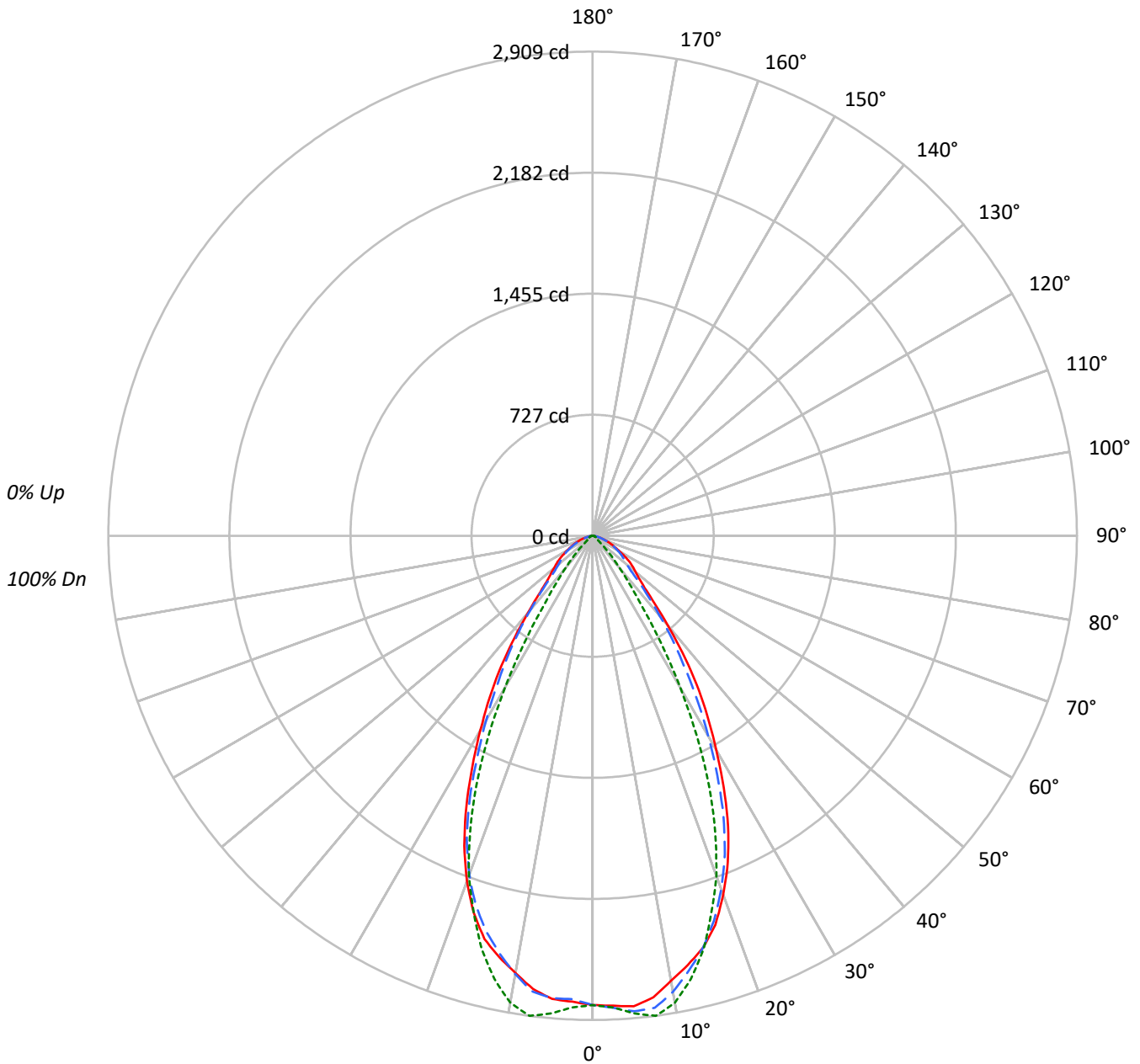
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2870.0 lumens  
Efficiency: N/A  
Efficacy: 71.0 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									
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°	154544	154544	154544
5°	156157	158529	153714
10°	151099	158525	148466
15°	145426	146000	142333
20°	133846	126816	128823
25°	116487	100004	108502
30°	93945	66441	85235
35°	72832	34258	64005
40°	49972	17755	43095
45°	34236	8892	30236
50°	28494	3795	25927
55°	25624	3288	23158
60°	20283	3147	19341
65°	16746	2789	16552
70°	13560	2532	13560
75°	10019	2732	10633
80°	5872	2273	6346
85°	4529	2705	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.3	9.4
10°-20°	704.3	24.5
20°-30°	803.9	28.0
30°-40°	533.2	18.6
40°-50°	257.1	9.0
50°-60°	158.2	5.5
60°-70°	95.7	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°	1776.6	61.9
0°-40°	2309.8	80.5
0°-60°	2725.1	95.0
0°-90°	2870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2870.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2819	2819	2819	2819	2819	
5°	2838	2868	2881	2789	2793	267
15°	2562	2562	2572	2464	2508	714
25°	1926	1861	1653	1749	1794	873
35°	1088	959	512	895	956	673
45°	442	387	115	361	390	360
55°	268	218	34	218	242	236
65°	129	123	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°	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1	2819.1
2.5°	2826.3	2830.6	2839.2	2840.6	2836.3	2809.1	2786.1	2794.7	2801.9
5°	2837.7	2846.3	2867.9	2887.9	2880.8	2834.9	2789.0	2787.6	2793.3
7.5°	2796.2	2816.2	2860.7	2910.9	2909.4	2830.6	2763.2	2746.0	2746.0
10°	2714.4	2733.1	2781.8	2849.2	2847.8	2748.8	2674.3	2665.7	2667.1
12.5°	2641.3	2649.9	2674.3	2727.3	2727.3	2629.8	2572.5	2581.1	2592.5
15°	2562.4	2568.2	2562.4	2579.6	2572.5	2492.2	2463.5	2490.7	2507.9
17.5°	2450.6	2453.4	2423.3	2400.4	2373.1	2323.0	2330.1	2370.3	2374.6
20°	2294.3	2312.9	2258.4	2199.6	2173.8	2126.5	2166.7	2211.1	2208.2
22.5°	2122.2	2143.7	2073.5	1975.9	1922.9	1904.3	1975.9	2016.1	2014.7
25°	1925.8	1941.5	1861.2	1725.0	1653.3	1650.4	1749.4	1791.0	1793.8
27.5°	1704.9	1710.7	1620.3	1442.5	1353.6	1375.1	1499.9	1557.2	1564.4
30°	1484.1	1481.2	1388.0	1167.2	1049.6	1108.4	1276.2	1339.3	1346.5
32.5°	1281.9	1273.3	1167.2	903.4	762.8	850.3	1071.1	1137.1	1148.6
35°	1088.3	1074.0	959.3	668.2	511.9	642.4	894.8	952.1	956.4
37.5°	886.2	879.0	788.7	500.4	357.0	487.5	729.9	771.5	767.2
40°	698.3	698.3	623.8	371.4	248.1	362.8	577.9	615.2	602.2
42.5°	547.8	554.9	491.8	273.9	176.4	269.6	457.4	491.8	477.5
45°	441.6	441.6	387.2	203.6	114.7	200.7	361.3	392.9	390.0
47.5°	374.3	368.5	314.0	149.1	63.1	150.6	304.0	342.7	341.3
50°	334.1	325.5	269.6	117.6	44.5	124.8	266.7	302.6	304.0
52.5°	302.6	289.7	242.3	104.7	38.7	109.0	242.3	271.0	271.0
55°	268.1	261.0	218.0	93.2	34.4	97.5	218.0	243.8	242.3
57.5°	226.6	225.1	195.0	84.6	31.5	86.0	195.0	210.8	205.1
60°	185.0	190.7	169.2	76.0	28.7	77.4	166.3	179.2	176.4
62.5°	154.9	162.0	147.7	67.4	24.4	68.8	140.5	153.4	150.6
65°	129.1	134.8	123.3	57.4	21.5	57.4	116.1	127.6	127.6
67.5°	106.1	110.4	101.8	47.3	18.6	47.3	94.6	104.7	106.1
70°	84.6	87.5	80.3	37.3	15.8	38.7	74.6	84.6	84.6
72.5°	66.0	67.4	63.1	30.1	14.3	30.1	57.4	66.0	66.0
75°	47.3	50.2	47.3	22.9	12.9	22.9	44.5	48.8	50.2
77.5°	27.2	34.4	34.4	18.6	10.0	17.2	31.5	33.0	33.0
80°	18.6	21.5	24.4	12.9	7.2	12.9	20.1	21.5	20.1
82.5°	12.9	14.3	14.3	8.6	5.7	8.6	12.9	14.3	12.9
85°	7.2	10.0	10.0	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)