

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: P799618

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799618  
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 6LBMDDWLI  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

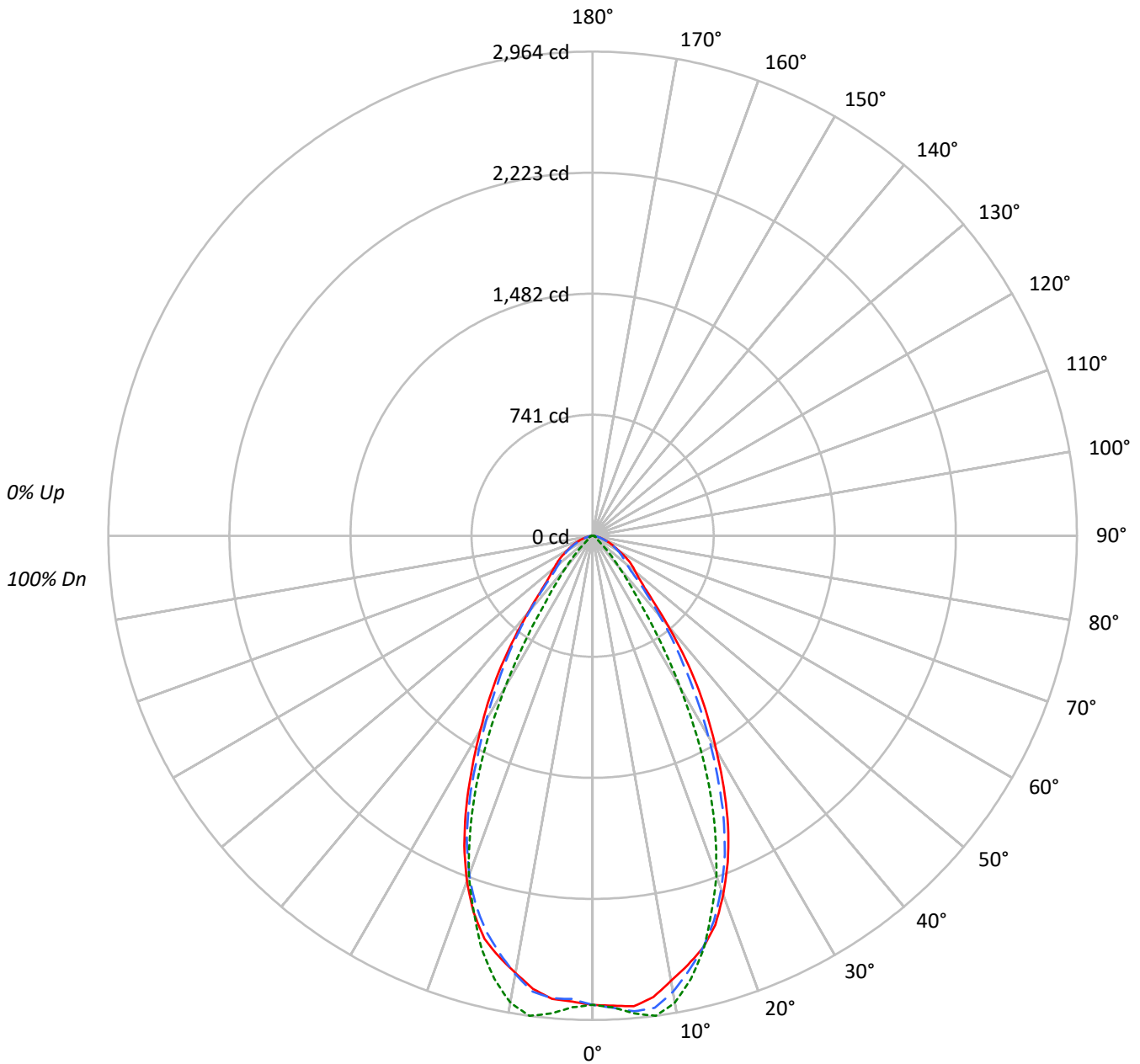
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2924.0 lumens  
Efficiency: N/A  
Efficacy: 72.4 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: P799618

CATALOG NUMBER: LD6C35D010 EU6359035 6LBMDDWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P799618

CATALOG NUMBER: LD6C35D010 EU6359035 6LBMDDWLI

**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								
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°	157449	157449	157449
5°	159096	161512	156603
10°	153944	161509	151261
15°	148162	148747	145012
20°	136360	129202	131250
25°	118676	101885	110547
30°	95711	67694	86836
35°	74204	34900	65210
40°	50917	18084	43911
45°	34887	9063	30809
50°	29031	3863	26413
55°	26111	3355	23598
60°	20667	3201	19702
65°	17058	2841	16863
70°	13816	2581	13816
75°	10209	2775	10823
80°	5998	2305	6472
85°	4592	2768	4592



TEST NUMBER: P799618

CATALOG NUMBER: LD6C35D010 EU6359035 6LBMDDWLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.4	9.4
10°-20°	717.6	24.5
20°-30°	819.1	28.0
30°-40°	543.2	18.6
40°-50°	262.0	9.0
50°-60°	161.2	5.5
60°-70°	97.5	3.3
70°-80°	41.0	1.4
80°-90°	9.0	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°	1810.1	61.9
0°-40°	2353.2	80.5
0°-60°	2776.4	95.0
0°-90°	2924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2924.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2872	2872	2872	2872	2872	
5°	2891	2922	2935	2842	2846	272
15°	2611	2611	2621	2510	2555	728
25°	1962	1896	1684	1782	1828	890
35°	1109	977	522	912	974	686
45°	450	394	117	368	397	367
55°	273	222	35	222	247	240
65°	132	126	22	118	130	132
75°	48	48	13	45	51	52
85°	7	10	4	7	7	9
90°	0	0	0	0	0	



TEST NUMBER: P799618

CATALOG NUMBER: LD6C35D010 EU6359035 6LBMDDWLI

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2872.1	2872.1	2872.1	2872.1	2872.1	2872.1	2872.1	2872.1	2872.1
2.5°	2879.4	2883.8	2892.6	2894.1	2889.7	2861.9	2838.5	2847.3	2854.6
5°	2891.1	2899.9	2921.8	2942.3	2935.0	2888.2	2841.5	2840.0	2845.8
7.5°	2848.8	2869.2	2914.5	2965.6	2964.2	2883.8	2815.2	2797.6	2797.6
10°	2765.5	2784.5	2834.2	2902.8	2901.4	2800.6	2724.6	2715.8	2717.3
12.5°	2691.0	2699.8	2724.6	2778.6	2778.6	2679.3	2620.9	2629.6	2641.3
15°	2610.6	2616.5	2610.6	2628.2	2620.9	2539.1	2509.8	2537.6	2555.1
17.5°	2496.7	2499.6	2468.9	2445.6	2417.8	2366.7	2374.0	2414.9	2419.3
20°	2337.4	2356.4	2300.9	2241.0	2214.7	2166.5	2207.4	2252.7	2249.8
22.5°	2162.1	2184.1	2112.5	2013.1	1959.1	1940.1	2013.1	2054.0	2052.6
25°	1962.0	1978.1	1896.3	1757.5	1684.4	1681.5	1782.3	1824.7	1827.6
27.5°	1737.0	1742.9	1650.8	1469.7	1379.1	1401.0	1528.1	1586.5	1593.8
30°	1512.0	1509.1	1414.2	1189.2	1069.4	1129.3	1300.2	1364.5	1371.8
32.5°	1306.0	1297.3	1189.2	920.4	777.2	866.3	1091.3	1158.5	1170.2
35°	1108.8	1094.2	977.3	680.8	521.5	654.5	911.6	970.0	974.4
37.5°	902.8	895.5	803.5	509.9	363.8	496.7	743.6	786.0	781.6
40°	711.5	711.5	635.5	378.4	252.7	369.6	588.7	626.7	613.6
42.5°	558.1	565.4	501.1	279.0	179.7	274.7	466.0	501.1	486.5
45°	450.0	450.0	394.4	207.4	116.9	204.5	368.1	400.3	397.4
47.5°	381.3	375.5	319.9	151.9	64.3	153.4	309.7	349.2	347.7
50°	340.4	331.6	274.7	119.8	45.3	127.1	271.7	308.3	309.7
52.5°	308.3	295.1	246.9	106.6	39.4	111.0	246.9	276.1	276.1
55°	273.2	265.9	222.1	95.0	35.1	99.3	222.1	248.4	246.9
57.5°	230.8	229.4	198.7	86.2	32.1	87.7	198.7	214.8	208.9
60°	188.5	194.3	172.4	77.4	29.2	78.9	169.5	182.6	179.7
62.5°	157.8	165.1	150.5	68.7	24.8	70.1	143.2	156.3	153.4
65°	131.5	137.3	125.6	58.4	21.9	58.4	118.3	130.0	130.0
67.5°	108.1	112.5	103.7	48.2	19.0	48.2	96.4	106.6	108.1
70°	86.2	89.1	81.8	38.0	16.1	39.4	76.0	86.2	86.2
72.5°	67.2	68.7	64.3	30.7	14.6	30.7	58.4	67.2	67.2
75°	48.2	51.1	48.2	23.4	13.1	23.4	45.3	49.7	51.1
77.5°	27.8	35.1	35.1	19.0	10.2	17.5	32.1	33.6	33.6
80°	19.0	21.9	24.8	13.1	7.3	13.1	20.5	21.9	20.5
82.5°	13.1	14.6	14.6	8.8	5.8	8.8	13.1	14.6	13.1
85°	7.3	10.2	10.2	7.3	4.4	5.8	7.3	8.8	7.3
87.5°	4.4	5.8	7.3	5.8	4.4	4.4	4.4	4.4	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)