

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: P799606

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDDWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799606  
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 6LBMDDWLI  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

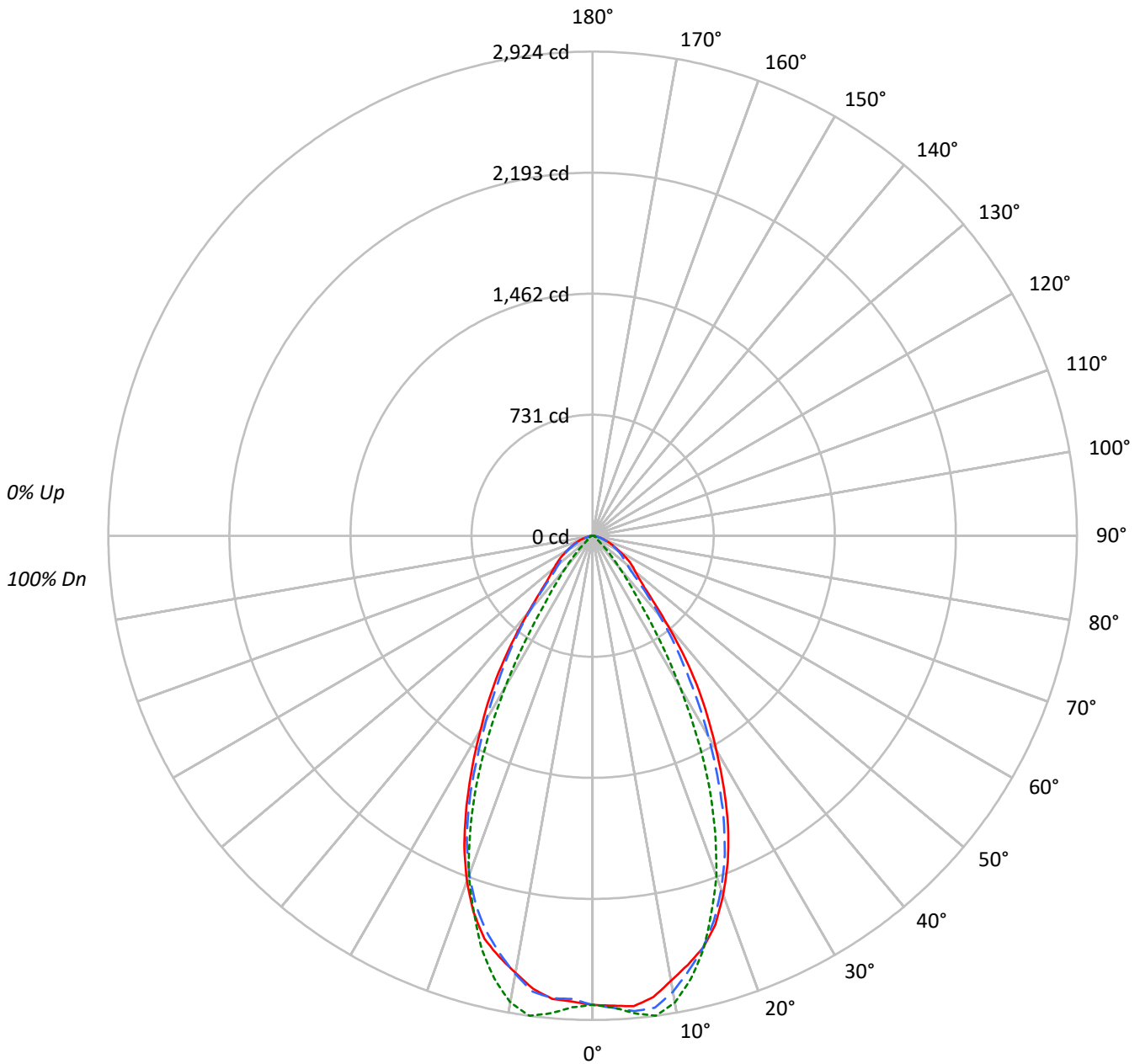
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2884.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 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

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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°	155295	155295	155295
5°	156922	159300	154463
10°	151840	159299	149190
15°	146136	146709	143031
20°	134499	127434	129453
25°	117055	100494	109035
30°	94407	66770	85646
35°	73194	34425	64320
40°	50216	17841	43310
45°	34407	8939	30383
50°	28630	3812	26055
55°	25758	3307	23273
60°	20382	3158	19428
65°	16824	2802	16630
70°	13624	2549	13624
75°	10082	2754	10675
80°	5904	2273	6377
85°	4529	2705	4529



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	269.7	9.4
10°-20°	707.8	24.5
20°-30°	807.9	28.0
30°-40°	535.8	18.6
40°-50°	258.4	9.0
50°-60°	159.0	5.5
60°-70°	96.2	3.3
70°-80°	40.5	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°	1785.3	61.9
0°-40°	2321.1	80.5
0°-60°	2738.4	95.0
0°-90°	2884.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2833	2833	2833	2833	2833	
5°	2852	2882	2895	2803	2807	268
15°	2575	2575	2585	2476	2520	718
25°	1935	1870	1661	1758	1803	877
35°	1094	964	514	899	961	676
45°	444	389	115	363	392	362
55°	270	219	35	219	244	237
65°	130	124	22	117	128	130
75°	48	48	13	45	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°	2832.8	2832.8	2832.8	2832.8	2832.8	2832.8	2832.8	2832.8	2832.8
2.5°	2840.1	2844.4	2853.0	2854.5	2850.1	2822.8	2799.7	2808.4	2815.6
5°	2851.6	2860.2	2881.8	2902.0	2894.8	2848.7	2802.6	2801.1	2806.9
7.5°	2809.8	2830.0	2874.6	2925.1	2923.6	2844.4	2776.7	2759.4	2759.4
10°	2727.7	2746.4	2795.4	2863.1	2861.7	2762.2	2687.3	2678.7	2680.1
12.5°	2654.2	2662.8	2687.3	2740.6	2740.6	2642.6	2585.0	2593.7	2605.2
15°	2574.9	2580.7	2574.9	2592.2	2585.0	2504.3	2475.5	2502.9	2520.2
17.5°	2462.5	2465.4	2435.2	2412.1	2384.7	2334.3	2341.5	2381.8	2386.2
20°	2305.5	2324.2	2269.4	2210.4	2184.4	2136.9	2177.2	2221.9	2219.0
22.5°	2132.6	2154.2	2083.6	1985.6	1932.3	1913.5	1985.6	2025.9	2024.5
25°	1935.2	1951.0	1870.3	1733.4	1661.4	1658.5	1757.9	1799.7	1802.6
27.5°	1713.3	1719.0	1628.2	1449.6	1360.2	1381.8	1507.2	1564.8	1572.0
30°	1491.4	1488.5	1394.8	1172.9	1054.8	1113.8	1282.4	1345.8	1353.0
32.5°	1288.2	1279.5	1172.9	907.8	766.6	854.5	1076.4	1142.6	1154.2
35°	1093.7	1079.2	964.0	671.5	514.4	645.5	899.1	956.8	961.1
37.5°	890.5	883.3	792.5	502.9	358.8	489.9	733.4	775.2	770.9
40°	701.7	701.7	626.8	373.2	249.3	364.6	580.7	618.2	605.2
42.5°	550.4	557.6	494.2	275.2	177.2	270.9	459.7	494.2	479.8
45°	443.8	443.8	389.0	204.6	115.3	201.7	363.1	394.8	391.9
47.5°	376.1	370.3	315.6	149.9	63.4	151.3	305.5	344.4	342.9
50°	335.7	327.1	270.9	118.2	44.7	125.4	268.0	304.0	305.5
52.5°	304.0	291.1	243.5	105.2	38.9	109.5	243.5	272.3	272.3
55°	269.5	262.2	219.0	93.7	34.6	98.0	219.0	245.0	243.5
57.5°	227.7	226.2	196.0	85.0	31.7	86.5	196.0	211.8	206.1
60°	185.9	191.6	170.0	76.4	28.8	77.8	167.1	180.1	177.2
62.5°	155.6	162.8	148.4	67.7	24.5	69.2	141.2	154.2	151.3
65°	129.7	135.4	123.9	57.6	21.6	57.6	116.7	128.2	128.2
67.5°	106.6	111.0	102.3	47.6	18.7	47.6	95.1	105.2	106.6
70°	85.0	87.9	80.7	37.5	15.9	38.9	74.9	85.0	85.0
72.5°	66.3	67.7	63.4	30.3	14.4	30.3	57.6	66.3	66.3
75°	47.6	50.4	47.6	23.1	13.0	23.1	44.7	49.0	50.4
77.5°	27.4	34.6	34.6	18.7	10.1	17.3	31.7	33.1	33.1
80°	18.7	21.6	24.5	13.0	7.2	13.0	20.2	21.6	20.2
82.5°	13.0	14.4	14.4	8.6	5.8	8.6	13.0	14.4	13.0
85°	7.2	10.1	10.1	7.2	4.3	5.8	7.2	8.6	7.2
87.5°	4.3	5.8	7.2	5.8	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)