

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: P799612

Luminaire Tested: **LD6C35D010 EU6359030 6LBMDSWLI**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/12/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35D010 EU6359030 6LBMDSWLI  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

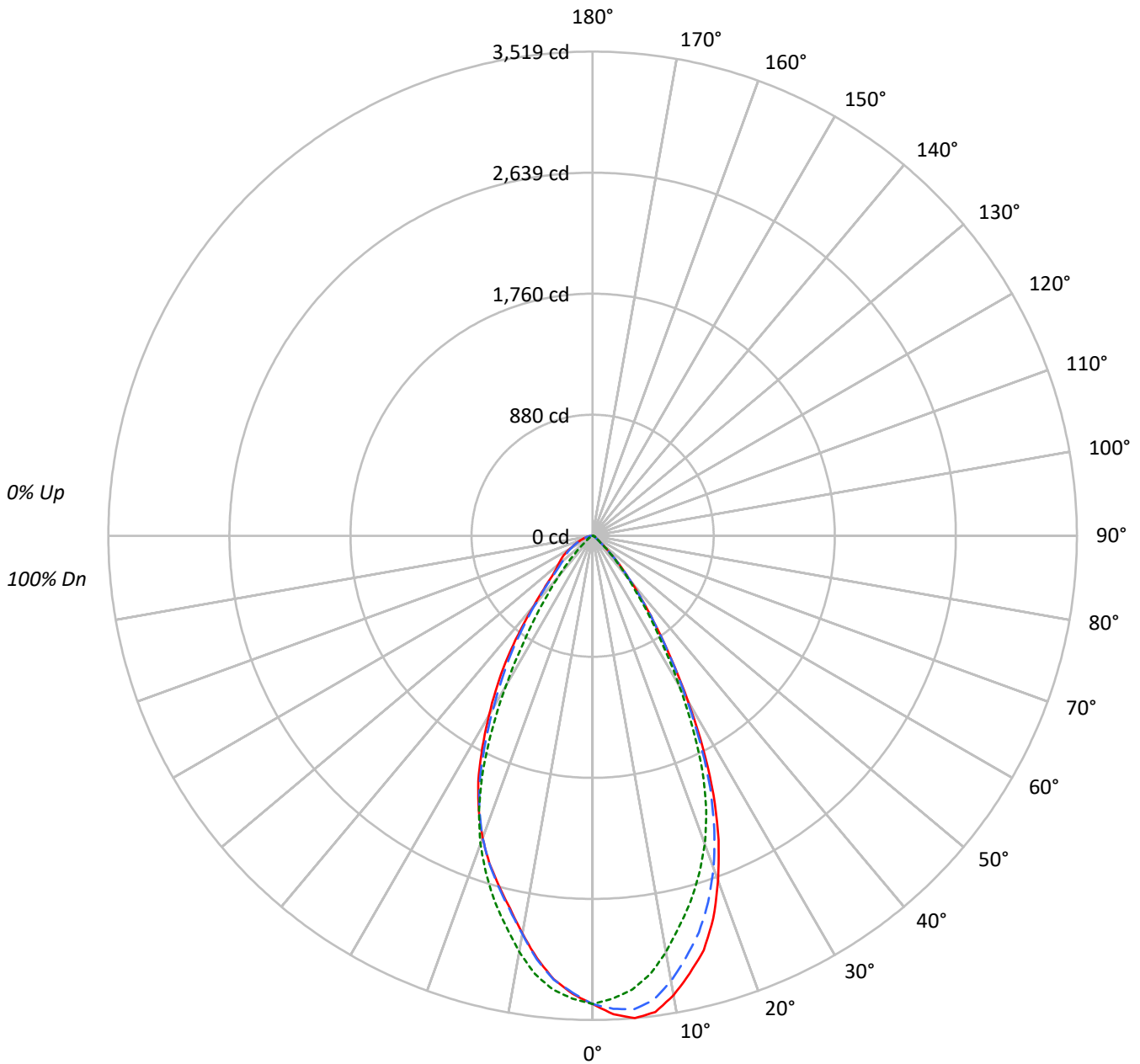
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2930.0 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	186564	186564	186564
5°	193655	182186	178065
10°	188702	170889	163368
15°	176976	156147	149399
20°	155367	139009	136354
25°	125656	114200	118906
30°	87362	79550	95167
35°	53840	48733	71822
40°	30471	27315	47697
45°	14800	14110	32554
50°	5637	5637	27675
55°	3087	3651	25538
60°	2259	2895	20930
65°	1907	2478	17135
70°	1651	2116	14121
75°	1546	2182	12137
80°	916	1863	8808
85°	943	3711	8303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.5	10.6
10°-20°	783.0	26.7
20°-30°	881.5	30.1
30°-40°	545.8	18.6
40°-50°	217.4	7.4
50°-60°	99.0	3.4
60°-70°	56.9	1.9
70°-80°	27.0	0.9
80°-90°	7.9	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°	1976.1	67.4
0°-40°	2521.9	86.1
0°-60°	2838.2	96.9
0°-90°	2930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2930.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3403	3403	3403	3403	3403	
5°	3519	3454	3311	3239	3236	331
15°	3118	2983	2751	2640	2632	863
25°	2077	2022	1888	1935	1966	934
35°	804	800	728	1014	1073	517
45°	191	191	182	396	420	162
55°	32	31	38	235	267	32
65°	15	13	19	131	132	14
75°	7	7	10	56	57	8
85°	2	2	6	13	13	1
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°	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2	3403.2
2.5°	3481.0	3448.7	3441.3	3413.4	3366.5	3340.0	3323.9	3312.1	3332.7
5°	3519.1	3483.9	3454.5	3397.3	3310.7	3262.2	3238.7	3219.6	3235.8
7.5°	3491.2	3441.3	3401.7	3322.4	3212.3	3137.4	3105.1	3083.1	3097.8
10°	3389.9	3329.8	3284.2	3190.3	3069.9	2980.3	2940.7	2920.1	2934.8
12.5°	3257.8	3207.9	3138.9	3036.1	2906.9	2813.0	2783.6	2767.5	2773.3
15°	3118.3	3059.6	2983.3	2880.5	2751.3	2657.3	2639.7	2629.4	2632.4
17.5°	2915.7	2858.5	2792.4	2692.6	2573.7	2497.3	2497.3	2490.0	2494.4
20°	2663.2	2632.4	2567.8	2484.1	2382.8	2313.8	2335.8	2328.5	2337.3
22.5°	2390.1	2366.6	2310.9	2241.9	2156.7	2102.4	2150.8	2149.4	2161.1
25°	2077.4	2059.8	2021.6	1962.9	1888.0	1854.3	1935.0	1935.0	1965.8
27.5°	1732.4	1714.8	1688.4	1638.4	1576.8	1566.5	1685.4	1700.1	1733.9
30°	1380.1	1368.3	1353.6	1308.1	1256.7	1275.8	1440.2	1465.2	1503.4
32.5°	1065.9	1058.5	1054.1	1013.0	967.5	1030.6	1218.6	1250.9	1289.0
35°	804.5	788.4	800.1	769.3	728.2	807.5	1014.5	1042.4	1073.2
37.5°	593.1	581.4	591.7	569.6	532.9	619.6	814.8	832.4	853.0
40°	425.8	415.5	424.3	411.1	381.7	462.5	638.6	657.7	666.5
42.5°	302.4	284.8	293.6	283.4	268.7	348.0	502.1	519.7	522.7
45°	190.9	185.0	190.9	185.0	182.0	258.4	396.4	412.5	419.9
47.5°	116.0	108.6	108.6	105.7	108.6	190.9	327.4	350.9	362.6
50°	66.1	63.1	61.7	60.2	66.1	149.8	283.4	309.8	324.5
52.5°	44.0	42.6	42.6	41.1	48.4	126.3	255.5	278.9	293.6
55°	32.3	30.8	30.8	30.8	38.2	108.6	234.9	254.0	267.2
57.5°	25.0	25.0	25.0	23.5	32.3	92.5	209.9	220.2	230.5
60°	20.6	19.1	19.1	19.1	26.4	79.3	180.6	185.0	190.9
62.5°	16.1	16.1	16.1	16.1	22.0	70.5	155.6	155.6	158.6
65°	14.7	13.2	13.2	13.2	19.1	61.7	130.7	129.2	132.1
67.5°	11.7	11.7	11.7	11.7	16.1	52.9	107.2	105.7	108.6
70°	10.3	10.3	10.3	10.3	13.2	44.0	86.6	85.2	88.1
72.5°	8.8	8.8	8.8	8.8	11.7	36.7	69.0	69.0	70.5
75°	7.3	7.3	7.3	7.3	10.3	27.9	55.8	55.8	57.3
77.5°	5.9	5.9	5.9	5.9	7.3	22.0	42.6	41.1	41.1
80°	2.9	4.4	4.4	4.4	5.9	16.1	30.8	27.9	27.9
82.5°	1.5	2.9	2.9	2.9	5.9	11.7	20.6	19.1	19.1
85°	1.5	1.5	1.5	4.4	5.9	8.8	13.2	13.2	13.2
87.5°	0.0	1.5	2.9	5.9	7.3	7.3	8.8	7.3	7.3
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)