

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: P799636

Luminaire Tested: **LD6C35D010 EU6359040 6LBMDSWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799636  
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 EU6359040 6LBMDSWLI  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

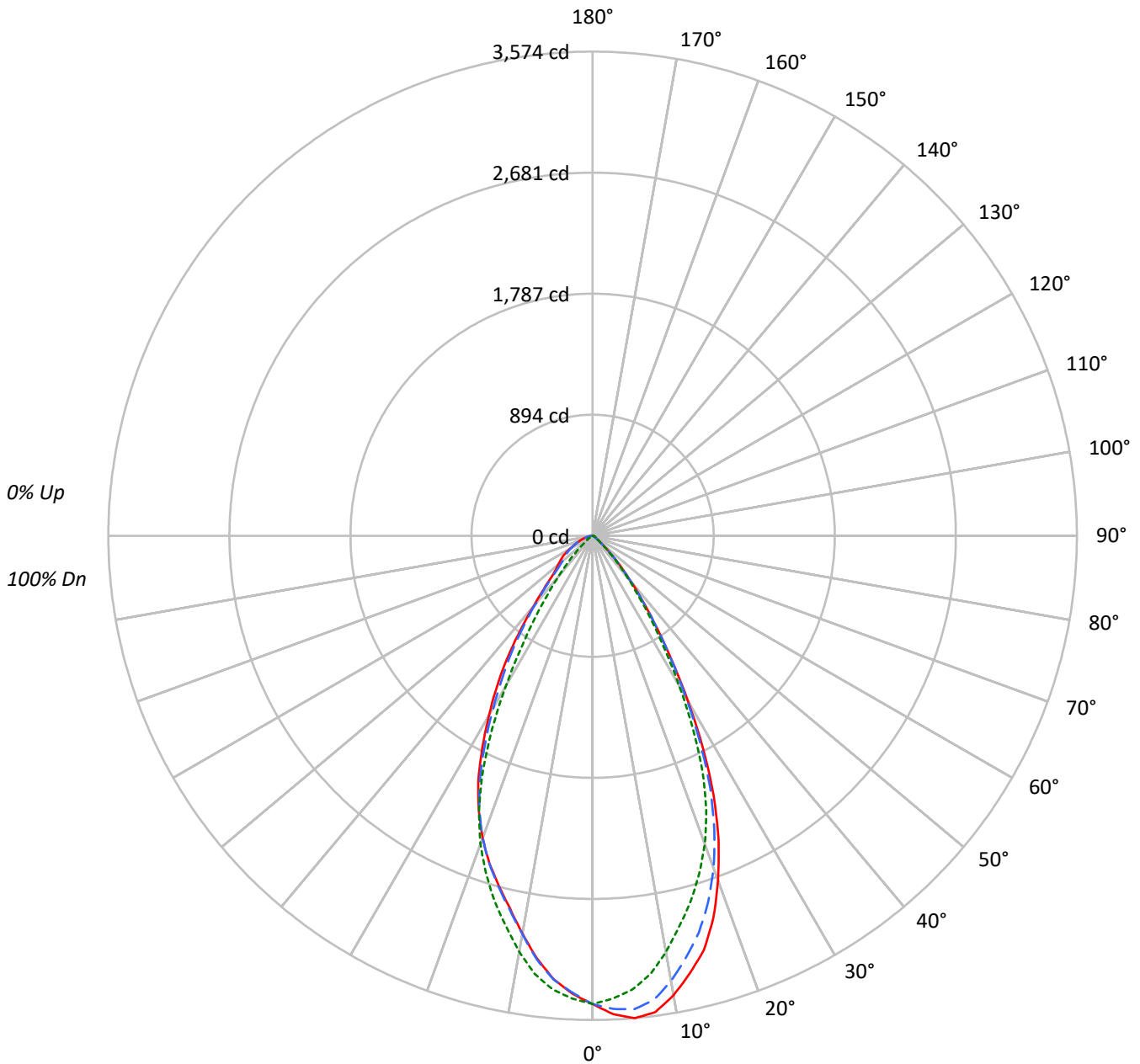
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2976.0 lumens  
Efficiency: N/A  
Efficacy: 73.7 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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

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

	0°	90°	180°
0°	189491	189491	189491
5°	196698	185042	180860
10°	191669	173572	165934
15°	179757	158599	151743
20°	157805	141191	138495
25°	127628	115997	120775
30°	88729	80804	96660
35°	54690	49496	72953
40°	30944	27745	48448
45°	15033	14335	33065
50°	5723	5723	28110
55°	3135	3708	25939
60°	2291	2938	21259
65°	1933	2516	17408
70°	1667	2148	14345
75°	1589	2203	12327
80°	947	1894	8934
85°	943	3774	8428



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.4	10.6
10°-20°	795.3	26.7
20°-30°	895.3	30.1
30°-40°	554.4	18.6
40°-50°	220.8	7.4
50°-60°	100.5	3.4
60°-70°	57.8	1.9
70°-80°	27.4	0.9
80°-90°	8.0	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°	2007.1	67.4
0°-40°	2561.5	86.1
0°-60°	2882.8	96.9
0°-90°	2976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2976.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3457	3457	3457	3457	3457	
5°	3574	3509	3363	3290	3287	337
15°	3167	3030	2794	2681	2674	876
25°	2110	2053	1918	1965	1997	948
35°	817	813	740	1030	1090	525
45°	194	194	185	403	426	164
55°	33	31	39	239	271	33
65°	15	13	19	133	134	15
75°	8	8	10	57	58	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°	3456.6	3456.6	3456.6	3456.6	3456.6	3456.6	3456.6	3456.6	3456.6
2.5°	3535.6	3502.8	3495.4	3467.0	3419.3	3392.5	3376.1	3364.1	3385.0
5°	3574.4	3538.6	3508.8	3450.6	3362.6	3313.4	3289.6	3270.2	3286.6
7.5°	3546.1	3495.4	3455.1	3374.6	3262.7	3186.7	3153.9	3131.5	3146.4
10°	3443.2	3382.0	3335.8	3240.4	3118.1	3027.1	2986.9	2966.0	2980.9
12.5°	3309.0	3258.3	3188.2	3083.8	2952.6	2857.1	2827.3	2810.9	2816.9
15°	3167.3	3107.6	3030.1	2925.7	2794.5	2699.1	2681.2	2670.7	2673.7
17.5°	2961.5	2903.4	2836.2	2734.8	2614.1	2536.5	2536.5	2529.1	2533.5
20°	2705.0	2673.7	2608.1	2523.1	2420.2	2350.1	2372.5	2365.0	2374.0
22.5°	2427.7	2403.8	2347.1	2277.1	2190.6	2135.4	2184.6	2183.1	2195.0
25°	2110.0	2092.1	2053.4	1993.7	1917.7	1883.4	1965.4	1965.4	1996.7
27.5°	1759.6	1741.7	1714.9	1664.2	1601.5	1591.1	1711.9	1726.8	1761.1
30°	1401.7	1389.8	1374.9	1328.7	1276.5	1295.8	1462.9	1488.2	1527.0
32.5°	1082.6	1075.2	1070.7	1028.9	982.7	1046.8	1237.7	1270.5	1309.3
35°	817.2	800.8	812.7	781.4	739.6	820.2	1030.4	1058.7	1090.1
37.5°	602.4	590.5	601.0	578.6	541.3	629.3	827.6	845.5	866.4
40°	432.4	422.0	431.0	417.5	387.7	469.7	648.7	668.1	677.0
42.5°	307.2	289.3	298.2	287.8	272.9	353.4	510.0	527.9	530.9
45°	193.9	187.9	193.9	187.9	184.9	262.5	402.6	419.0	426.5
47.5°	117.8	110.3	110.3	107.4	110.3	193.9	332.5	356.4	368.3
50°	67.1	64.1	62.6	61.1	67.1	152.1	287.8	314.6	329.6
52.5°	44.7	43.2	43.2	41.8	49.2	128.2	259.5	283.3	298.2
55°	32.8	31.3	31.3	31.3	38.8	110.3	238.6	258.0	271.4
57.5°	25.4	25.4	25.4	23.9	32.8	93.9	213.2	223.7	234.1
60°	20.9	19.4	19.4	19.4	26.8	80.5	183.4	187.9	193.9
62.5°	16.4	16.4	16.4	16.4	22.4	71.6	158.1	158.1	161.0
65°	14.9	13.4	13.4	13.4	19.4	62.6	132.7	131.2	134.2
67.5°	11.9	11.9	11.9	11.9	16.4	53.7	108.9	107.4	110.3
70°	10.4	10.4	10.4	10.4	13.4	44.7	88.0	86.5	89.5
72.5°	8.9	8.9	8.9	8.9	11.9	37.3	70.1	70.1	71.6
75°	7.5	7.5	7.5	7.5	10.4	28.3	56.7	56.7	58.2
77.5°	6.0	6.0	6.0	6.0	7.5	22.4	43.2	41.8	41.8
80°	3.0	4.5	4.5	4.5	6.0	16.4	31.3	28.3	28.3
82.5°	1.5	3.0	3.0	3.0	6.0	11.9	20.9	19.4	19.4
85°	1.5	1.5	1.5	4.5	6.0	8.9	13.4	13.4	13.4
87.5°	0.0	1.5	3.0	6.0	7.5	7.5	8.9	7.5	7.5
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)