

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: P799627

Luminaire Tested: **LD6C35D010 EU6359035 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799627  
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 EU6359035 6LBMDSWWMH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

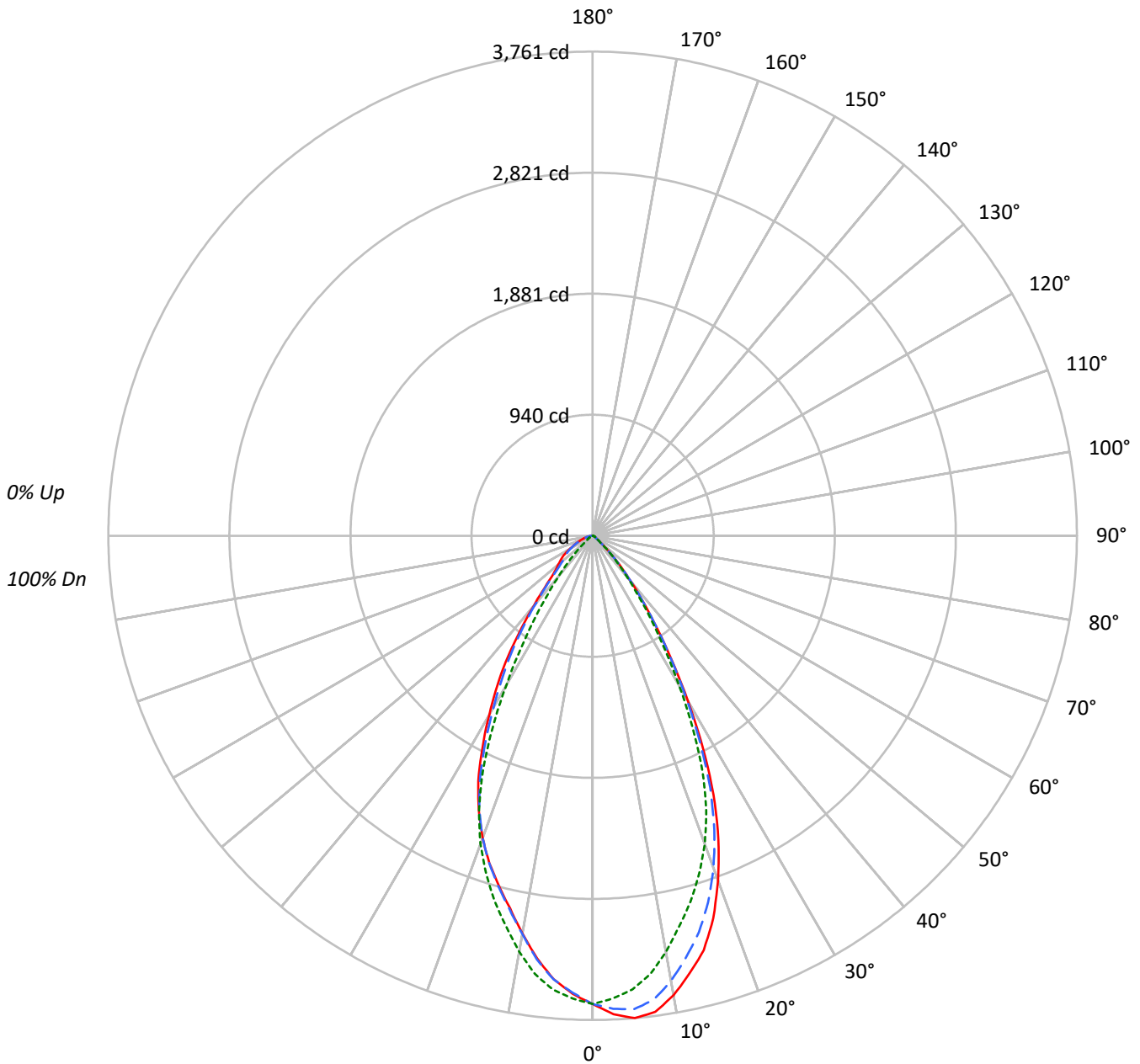
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3131.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 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									
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

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

	0°	90°	180°
0°	199359	199359	199359
5°	206944	194684	190281
10°	201650	182612	174579
15°	189121	166857	159649
20°	166025	148547	145706
25°	134276	122039	127066
30°	93350	85007	101693
35°	57534	52080	76747
40°	32561	29190	50974
45°	15816	15079	34787
50°	6021	6021	29568
55°	3297	3900	27287
60°	2412	3092	22367
65°	2037	2646	18316
70°	1763	2260	15083
75°	1652	2330	12963
80°	979	1989	9408
85°	1006	3963	8869



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	332.9	10.6
10°-20°	836.8	26.7
20°-30°	942.0	30.1
30°-40°	583.3	18.6
40°-50°	232.3	7.4
50°-60°	105.7	3.4
60°-70°	60.8	1.9
70°-80°	28.9	0.9
80°-90°	8.4	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°	2111.6	67.4
0°-40°	2694.9	86.1
0°-60°	3032.9	96.9
0°-90°	3131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3131.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3637	3637	3637	3637	3637	
5°	3761	3692	3538	3461	3458	354
15°	3332	3188	2940	2821	2813	922
25°	2220	2160	2018	2068	2101	998
35°	860	855	778	1084	1147	553
45°	204	204	194	424	449	173
55°	34	33	41	251	286	34
65°	16	14	20	140	141	15
75°	8	8	11	60	61	8
85°	2	2	6	14	14	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°	3636.6	3636.6	3636.6	3636.6	3636.6	3636.6	3636.6	3636.6	3636.6
2.5°	3719.8	3685.3	3677.4	3647.6	3597.4	3569.2	3551.9	3539.3	3561.3
5°	3760.6	3722.9	3691.5	3630.3	3537.8	3486.0	3460.9	3440.5	3457.8
7.5°	3730.7	3677.4	3635.0	3550.3	3432.7	3352.7	3318.1	3294.6	3310.3
10°	3622.5	3558.2	3509.5	3409.1	3280.5	3184.8	3142.4	3120.5	3136.2
12.5°	3481.3	3428.0	3354.2	3244.4	3106.3	3005.9	2974.6	2957.3	2963.6
15°	3332.3	3269.5	3187.9	3078.1	2940.0	2839.6	2820.8	2809.8	2813.0
17.5°	3115.8	3054.6	2984.0	2877.3	2750.2	2668.6	2668.6	2660.8	2665.5
20°	2845.9	2813.0	2743.9	2654.5	2546.3	2472.5	2496.1	2488.2	2497.6
22.5°	2554.1	2529.0	2469.4	2395.6	2304.7	2246.6	2298.4	2296.8	2309.4
25°	2219.9	2201.1	2160.3	2097.6	2017.6	1981.5	2067.8	2067.8	2100.7
27.5°	1851.3	1832.4	1804.2	1750.8	1685.0	1674.0	1801.1	1816.7	1852.8
30°	1474.7	1462.2	1446.5	1397.9	1342.9	1363.3	1539.1	1565.7	1606.5
32.5°	1139.0	1131.1	1126.4	1082.5	1033.9	1101.3	1302.2	1336.7	1377.5
35°	859.7	842.5	855.0	822.1	778.2	862.9	1084.1	1113.9	1146.8
37.5°	633.8	621.3	632.3	608.7	569.5	662.1	870.7	889.5	911.5
40°	455.0	444.0	453.4	439.3	407.9	494.2	682.5	702.8	712.3
42.5°	323.2	304.4	313.8	302.8	287.1	371.8	536.5	555.4	558.5
45°	204.0	197.7	204.0	197.7	194.5	276.1	423.6	440.8	448.7
47.5°	123.9	116.1	116.1	113.0	116.1	204.0	349.9	375.0	387.5
50°	70.6	67.5	65.9	64.3	70.6	160.0	302.8	331.0	346.7
52.5°	47.1	45.5	45.5	43.9	51.8	134.9	273.0	298.1	313.8
55°	34.5	32.9	32.9	32.9	40.8	116.1	251.0	271.4	285.5
57.5°	26.7	26.7	26.7	25.1	34.5	98.8	224.3	235.3	246.3
60°	22.0	20.4	20.4	20.4	28.2	84.7	193.0	197.7	204.0
62.5°	17.3	17.3	17.3	17.3	23.5	75.3	166.3	166.3	169.4
65°	15.7	14.1	14.1	14.1	20.4	65.9	139.6	138.1	141.2
67.5°	12.6	12.6	12.6	12.6	17.3	56.5	114.5	113.0	116.1
70°	11.0	11.0	11.0	11.0	14.1	47.1	92.6	91.0	94.1
72.5°	9.4	9.4	9.4	9.4	12.6	39.2	73.7	73.7	75.3
75°	7.8	7.8	7.8	7.8	11.0	29.8	59.6	59.6	61.2
77.5°	6.3	6.3	6.3	6.3	7.8	23.5	45.5	43.9	43.9
80°	3.1	4.7	4.7	4.7	6.3	17.3	32.9	29.8	29.8
82.5°	1.6	3.1	3.1	3.1	6.3	12.6	22.0	20.4	20.4
85°	1.6	1.6	1.6	4.7	6.3	9.4	14.1	14.1	14.1
87.5°	0.0	1.6	3.1	6.3	7.8	7.8	9.4	7.8	7.8
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)