

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: P799601

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDSWMW**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799601  
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 EU6359027 6LBMDSWMW  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

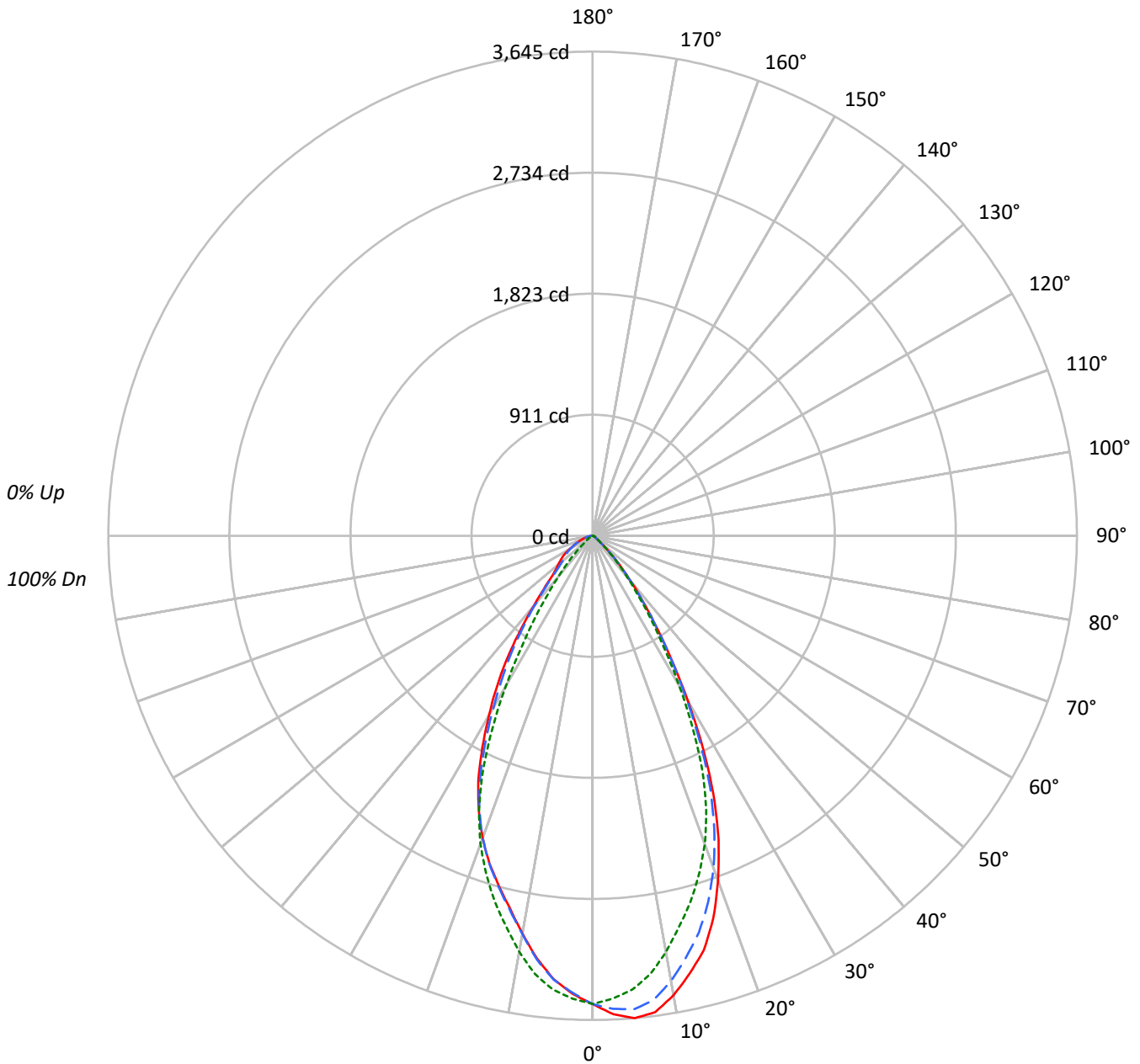
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3035.0 lumens  
Efficiency: N/A  
Efficacy: 75.1 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				
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°	193247	193247	193247
5°	200599	188713	184443
10°	195465	177012	169224
15°	183321	161743	154751
20°	160938	143991	141237
25°	130163	118295	123170
30°	90489	82405	98578
35°	55774	50480	74398
40°	31559	28296	49407
45°	15327	14622	33717
50°	5833	5833	28664
55°	3202	3775	26455
60°	2335	3004	21676
65°	1972	2568	17758
70°	1699	2196	14618
75°	1610	2245	12560
80°	947	1926	9124
85°	943	3837	8617



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.7	10.6
10°-20°	811.1	26.7
20°-30°	913.1	30.1
30°-40°	565.4	18.6
40°-50°	225.2	7.4
50°-60°	102.5	3.4
60°-70°	58.9	1.9
70°-80°	28.0	0.9
80°-90°	8.2	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°	2046.9	67.4
0°-40°	2612.3	86.1
0°-60°	2939.9	96.9
0°-90°	3035.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3035.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3525	3525	3525	3525	3525	
5°	3645	3578	3429	3355	3352	343
15°	3230	3090	2850	2734	2727	894
25°	2152	2094	1956	2004	2036	967
35°	833	829	754	1051	1112	536
45°	198	198	189	411	435	167
55°	34	32	40	243	277	33
65°	15	14	20	135	137	15
75°	8	8	11	58	59	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°	3525.1	3525.1	3525.1	3525.1	3525.1	3525.1	3525.1	3525.1	3525.1
2.5°	3605.7	3572.3	3564.7	3535.8	3487.1	3459.7	3443.0	3430.8	3452.1
5°	3645.3	3608.8	3578.3	3519.0	3429.3	3379.1	3354.8	3335.0	3351.7
7.5°	3616.4	3564.7	3523.6	3441.5	3327.4	3249.9	3216.4	3193.6	3208.8
10°	3511.4	3449.1	3401.9	3304.6	3179.9	3087.1	3046.1	3024.8	3040.0
12.5°	3374.6	3322.9	3251.4	3144.9	3011.1	2913.8	2883.4	2866.6	2872.7
15°	3230.1	3169.3	3090.2	2983.7	2849.9	2752.6	2734.3	2723.7	2726.7
17.5°	3020.2	2960.9	2892.5	2789.1	2665.9	2586.8	2586.8	2579.2	2583.8
20°	2758.7	2726.7	2659.8	2573.1	2468.2	2396.7	2419.5	2411.9	2421.0
22.5°	2475.8	2451.5	2393.7	2322.2	2234.0	2177.7	2227.9	2226.4	2238.6
25°	2151.9	2133.6	2094.1	2033.3	1955.7	1920.7	2004.4	2004.4	2036.3
27.5°	1794.5	1776.2	1748.9	1697.2	1633.3	1622.6	1745.8	1761.0	1796.0
30°	1429.5	1417.3	1402.1	1355.0	1301.8	1321.5	1491.9	1517.7	1557.3
32.5°	1104.1	1096.5	1091.9	1049.3	1002.2	1067.6	1262.2	1295.7	1335.2
35°	833.4	816.6	828.8	796.9	754.3	836.4	1050.8	1079.7	1111.7
37.5°	614.4	602.2	612.9	590.1	552.0	641.8	844.0	862.3	883.6
40°	441.0	430.4	439.5	425.8	395.4	479.0	661.5	681.3	690.4
42.5°	313.3	295.0	304.2	293.5	278.3	360.4	520.1	538.3	541.4
45°	197.7	191.6	197.7	191.6	188.6	267.7	410.6	427.3	434.9
47.5°	120.1	112.5	112.5	109.5	112.5	197.7	339.1	363.5	375.6
50°	68.4	65.4	63.9	62.4	68.4	155.1	293.5	320.9	336.1
52.5°	45.6	44.1	44.1	42.6	50.2	130.8	264.6	288.9	304.2
55°	33.5	31.9	31.9	31.9	39.5	112.5	243.3	263.1	276.8
57.5°	25.9	25.9	25.9	24.3	33.5	95.8	217.5	228.1	238.8
60°	21.3	19.8	19.8	19.8	27.4	82.1	187.1	191.6	197.7
62.5°	16.7	16.7	16.7	16.7	22.8	73.0	161.2	161.2	164.2
65°	15.2	13.7	13.7	13.7	19.8	63.9	135.3	133.8	136.9
67.5°	12.2	12.2	12.2	12.2	16.7	54.7	111.0	109.5	112.5
70°	10.6	10.6	10.6	10.6	13.7	45.6	89.7	88.2	91.2
72.5°	9.1	9.1	9.1	9.1	12.2	38.0	71.5	71.5	73.0
75°	7.6	7.6	7.6	7.6	10.6	28.9	57.8	57.8	59.3
77.5°	6.1	6.1	6.1	6.1	7.6	22.8	44.1	42.6	42.6
80°	3.0	4.6	4.6	4.6	6.1	16.7	31.9	28.9	28.9
82.5°	1.5	3.0	3.0	3.0	6.1	12.2	21.3	19.8	19.8
85°	1.5	1.5	1.5	4.6	6.1	9.1	13.7	13.7	13.7
87.5°	0.0	1.5	3.0	6.1	7.6	7.6	9.1	7.6	7.6
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)