

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: P799593

Luminaire Tested: **LD6C35D010 EU6359027 6LBMDDWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799593  
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 EU6359027 6LBMDDWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

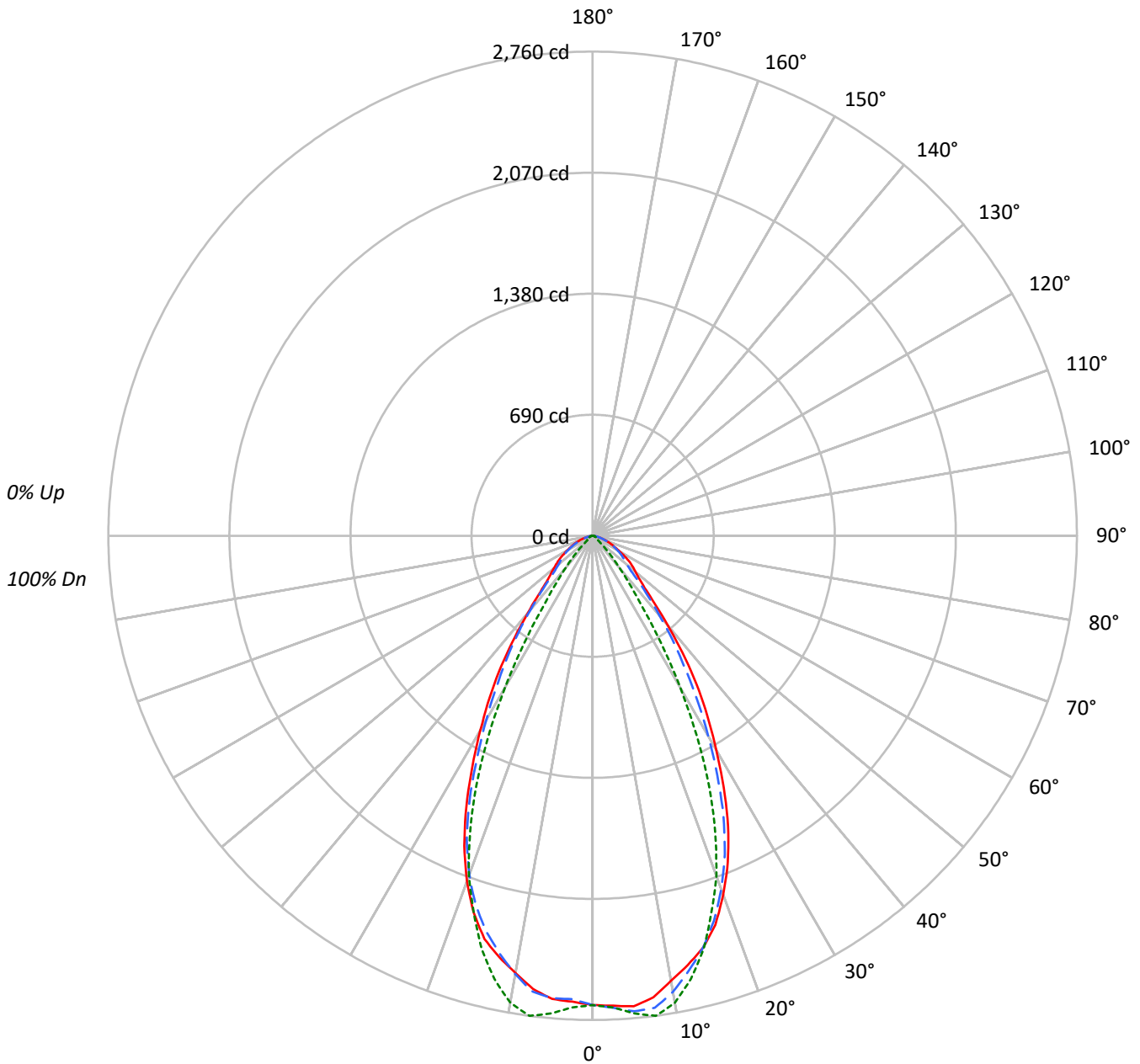
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2723.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 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				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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91			91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59			59
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55			55
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			51
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45			45

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

	0°	90°	180°
0°	146628	146628	146628
5°	148162	150407	145839
10°	143362	150404	140862
15°	137980	138520	135046
20°	126991	120323	122225
25°	110516	94880	102949
30°	89134	63041	80867
35°	69105	32505	60726
40°	47417	16846	40891
45°	32484	8435	28693
50°	27035	3599	24596
55°	24315	3125	21973
60°	19242	2982	18343
65°	15877	2646	15709
70°	12871	2404	12871
75°	9510	2584	10082
80°	5588	2147	5998
85°	4277	2579	4277



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.6	9.4
10°-20°	668.3	24.5
20°-30°	762.8	28.0
30°-40°	505.9	18.6
40°-50°	244.0	9.0
50°-60°	150.1	5.5
60°-70°	90.8	3.3
70°-80°	38.2	1.4
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°	1685.6	61.9
0°-40°	2191.5	80.5
0°-60°	2585.5	95.0
0°-90°	2723.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2723.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2675	2675	2675	2675	2675	
5°	2692	2721	2733	2646	2650	253
15°	2431	2431	2441	2337	2380	678
25°	1827	1766	1569	1660	1702	828
35°	1033	910	486	849	907	639
45°	419	367	109	343	370	342
55°	254	207	33	207	230	224
65°	122	117	20	110	121	123
75°	45	45	12	42	48	48
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°	2674.7	2674.7	2674.7	2674.7	2674.7	2674.7	2674.7	2674.7	2674.7
2.5°	2681.5	2685.6	2693.8	2695.1	2691.0	2665.2	2643.4	2651.6	2658.4
5°	2692.4	2700.6	2721.0	2740.0	2733.2	2689.7	2646.1	2644.8	2650.2
7.5°	2652.9	2672.0	2714.2	2761.8	2760.4	2685.6	2621.6	2605.3	2605.3
10°	2575.4	2593.1	2639.3	2703.3	2701.9	2608.0	2537.3	2529.1	2530.5
12.5°	2506.0	2514.2	2537.3	2587.6	2587.6	2495.1	2440.7	2448.9	2459.7
15°	2431.2	2436.6	2431.2	2447.5	2440.7	2364.5	2337.3	2363.2	2379.5
17.5°	2325.1	2327.8	2299.2	2277.4	2251.6	2204.0	2210.8	2248.9	2253.0
20°	2176.8	2194.5	2142.8	2087.0	2062.5	2017.6	2055.7	2097.9	2095.1
22.5°	2013.5	2033.9	1967.3	1874.7	1824.4	1806.7	1874.7	1912.8	1911.5
25°	1827.1	1842.1	1765.9	1636.7	1568.6	1565.9	1659.8	1699.2	1702.0
27.5°	1617.6	1623.1	1537.3	1368.6	1284.3	1304.7	1423.1	1477.5	1484.3
30°	1408.1	1405.4	1316.9	1107.4	995.9	1051.7	1210.8	1270.7	1277.5
32.5°	1216.3	1208.1	1107.4	857.1	723.8	806.8	1016.3	1078.9	1089.7
35°	1032.6	1019.0	910.2	634.0	485.7	609.5	848.9	903.4	907.4
37.5°	840.8	834.0	748.3	474.8	338.8	462.6	692.5	731.9	727.9
40°	662.6	662.6	591.8	352.4	235.4	344.2	548.3	583.6	571.4
42.5°	519.7	526.5	466.6	259.9	167.3	255.8	434.0	466.6	453.0
45°	419.0	419.0	367.3	193.2	108.8	190.5	342.8	372.8	370.1
47.5°	355.1	349.6	297.9	141.5	59.9	142.9	288.4	325.2	323.8
50°	317.0	308.8	255.8	111.6	42.2	118.4	253.0	287.1	288.4
52.5°	287.1	274.8	229.9	99.3	36.7	103.4	229.9	257.1	257.1
55°	254.4	247.6	206.8	88.4	32.7	92.5	206.8	231.3	229.9
57.5°	215.0	213.6	185.0	80.3	29.9	81.6	185.0	200.0	194.5
60°	175.5	180.9	160.5	72.1	27.2	73.5	157.8	170.1	167.3
62.5°	146.9	153.7	140.1	63.9	23.1	65.3	133.3	145.6	142.9
65°	122.4	127.9	117.0	54.4	20.4	54.4	110.2	121.1	121.1
67.5°	100.7	104.8	96.6	44.9	17.7	44.9	89.8	99.3	100.7
70°	80.3	83.0	76.2	35.4	15.0	36.7	70.7	80.3	80.3
72.5°	62.6	63.9	59.9	28.6	13.6	28.6	54.4	62.6	62.6
75°	44.9	47.6	44.9	21.8	12.2	21.8	42.2	46.3	47.6
77.5°	25.8	32.7	32.7	17.7	9.5	16.3	29.9	31.3	31.3
80°	17.7	20.4	23.1	12.2	6.8	12.2	19.0	20.4	19.0
82.5°	12.2	13.6	13.6	8.2	5.4	8.2	12.2	13.6	12.2
85°	6.8	9.5	9.5	6.8	4.1	5.4	6.8	8.2	6.8
87.5°	4.1	5.4	6.8	5.4	4.1	4.1	4.1	4.1	2.7
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)