

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: P799579

Luminaire Tested: **LD6C30D010 EU6309040 6LBMDSWWMH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799579  
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: LD6C30D010 EU6309040 6LBMDSWWMH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH WMH FINISH  
Light Source: -  
Ballast/Driver: -

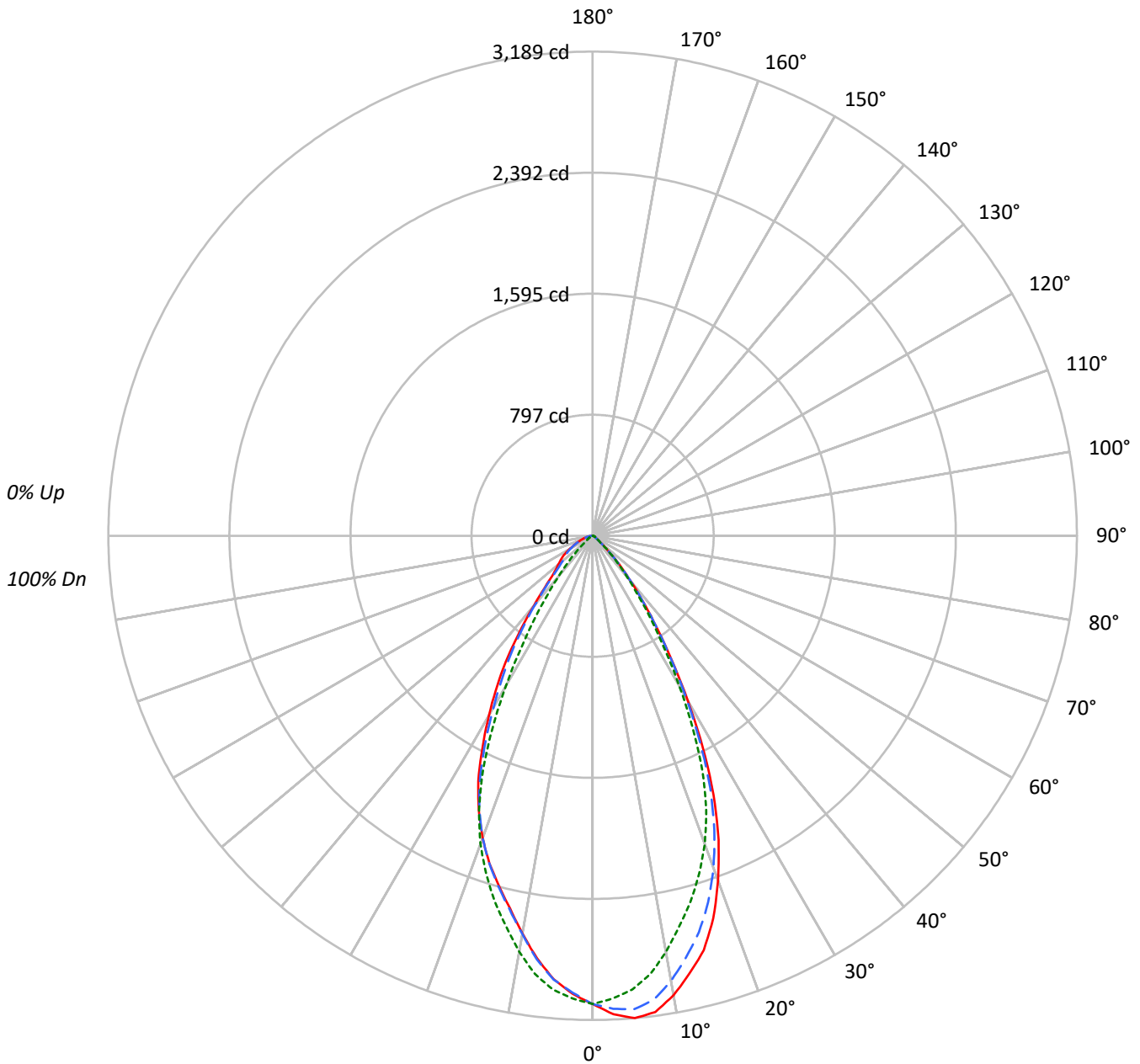
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2655.0 lumens  
Efficiency: N/A  
Efficacy: 84.0 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): 31.6  
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°	169049	169049	169049
5°	175478	165083	161352
10°	170994	154851	148038
15°	160370	141493	135375
20°	140788	125964	123555
25°	113861	103482	107746
30°	79158	72087	86235
35°	48787	44163	65083
40°	27609	24754	43224
45°	13404	12792	29499
50°	5109	5109	25074
55°	2800	3307	23139
60°	2039	2620	18957
65°	1725	2244	15527
70°	1491	1923	12791
75°	1419	1970	10993
80°	852	1673	7987
85°	818	3334	7548



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	282.3	10.6
10°-20°	709.5	26.7
20°-30°	798.8	30.1
30°-40°	494.6	18.6
40°-50°	197.0	7.4
50°-60°	89.7	3.4
60°-70°	51.5	1.9
70°-80°	24.5	0.9
80°-90°	7.1	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°	1790.6	67.4
0°-40°	2285.2	86.1
0°-60°	2571.8	96.9
0°-90°	2655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2655.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	3084	3084	3084	3084	3084	
5°	3189	3130	3000	2935	2932	300
15°	2826	2703	2493	2392	2385	782
25°	1882	1832	1711	1753	1781	846
35°	729	725	660	919	972	469
45°	173	173	165	359	380	147
55°	29	28	35	213	242	29
65°	13	12	17	118	120	13
75°	7	7	9	51	52	7
85°	1	1	5	12	12	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°	3083.7	3083.7	3083.7	3083.7	3083.7	3083.7	3083.7	3083.7	3083.7
2.5°	3154.3	3125.0	3118.3	3093.1	3050.5	3026.5	3011.9	3001.3	3019.9
5°	3188.8	3156.9	3130.3	3078.4	2999.9	2956.0	2934.7	2917.5	2932.1
7.5°	3163.6	3118.3	3082.4	3010.6	2910.8	2843.0	2813.7	2793.7	2807.0
10°	3071.8	3017.2	2976.0	2890.8	2781.8	2700.6	2664.7	2646.1	2659.4
12.5°	2952.0	2906.8	2844.3	2751.2	2634.1	2548.9	2522.3	2507.7	2513.0
15°	2825.7	2772.4	2703.3	2610.1	2493.1	2407.9	2392.0	2382.7	2385.3
17.5°	2642.1	2590.2	2530.3	2439.9	2332.1	2262.9	2262.9	2256.3	2260.3
20°	2413.3	2385.3	2326.8	2251.0	2159.2	2096.6	2116.6	2109.9	2117.9
22.5°	2165.8	2144.5	2094.0	2031.4	1954.3	1905.1	1949.0	1947.6	1958.3
25°	1882.4	1866.5	1831.9	1778.7	1710.8	1680.2	1753.4	1753.4	1781.3
27.5°	1569.8	1553.8	1529.9	1484.7	1428.8	1419.5	1527.2	1540.5	1571.1
30°	1250.5	1239.9	1226.6	1185.3	1138.8	1156.1	1305.1	1327.7	1362.3
32.5°	965.8	959.2	955.2	917.9	876.7	933.9	1104.2	1133.5	1168.0
35°	729.0	714.4	725.0	697.1	659.9	731.7	919.3	944.5	972.5
37.5°	537.5	526.8	536.1	516.2	482.9	561.4	738.3	754.3	772.9
40°	385.8	376.5	384.5	372.5	345.9	419.1	578.7	596.0	604.0
42.5°	274.1	258.1	266.1	256.8	243.5	315.3	455.0	470.9	473.6
45°	172.9	167.6	172.9	167.6	165.0	234.1	359.2	373.8	380.5
47.5°	105.1	98.4	98.4	95.8	98.4	172.9	296.7	318.0	328.6
50°	59.9	57.2	55.9	54.5	59.9	135.7	256.8	280.7	294.0
52.5°	39.9	38.6	38.6	37.2	43.9	114.4	231.5	252.8	266.1
55°	29.3	27.9	27.9	27.9	34.6	98.4	212.9	230.2	242.1
57.5°	22.6	22.6	22.6	21.3	29.3	83.8	190.2	199.6	208.9
60°	18.6	17.3	17.3	17.3	23.9	71.8	163.6	167.6	172.9
62.5°	14.6	14.6	14.6	14.6	20.0	63.9	141.0	141.0	143.7
65°	13.3	12.0	12.0	12.0	17.3	55.9	118.4	117.1	119.7
67.5°	10.6	10.6	10.6	10.6	14.6	47.9	97.1	95.8	98.4
70°	9.3	9.3	9.3	9.3	12.0	39.9	78.5	77.2	79.8
72.5°	8.0	8.0	8.0	8.0	10.6	33.3	62.5	62.5	63.9
75°	6.7	6.7	6.7	6.7	9.3	25.3	50.6	50.6	51.9
77.5°	5.3	5.3	5.3	5.3	6.7	20.0	38.6	37.2	37.2
80°	2.7	4.0	4.0	4.0	5.3	14.6	27.9	25.3	25.3
82.5°	1.3	2.7	2.7	2.7	5.3	10.6	18.6	17.3	17.3
85°	1.3	1.3	1.3	4.0	5.3	8.0	12.0	12.0	12.0
87.5°	0.0	1.3	2.7	5.3	6.7	6.7	8.0	6.7	6.7
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)