

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: P799587

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWH**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799587  
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 EU6309050 6LBMDSWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

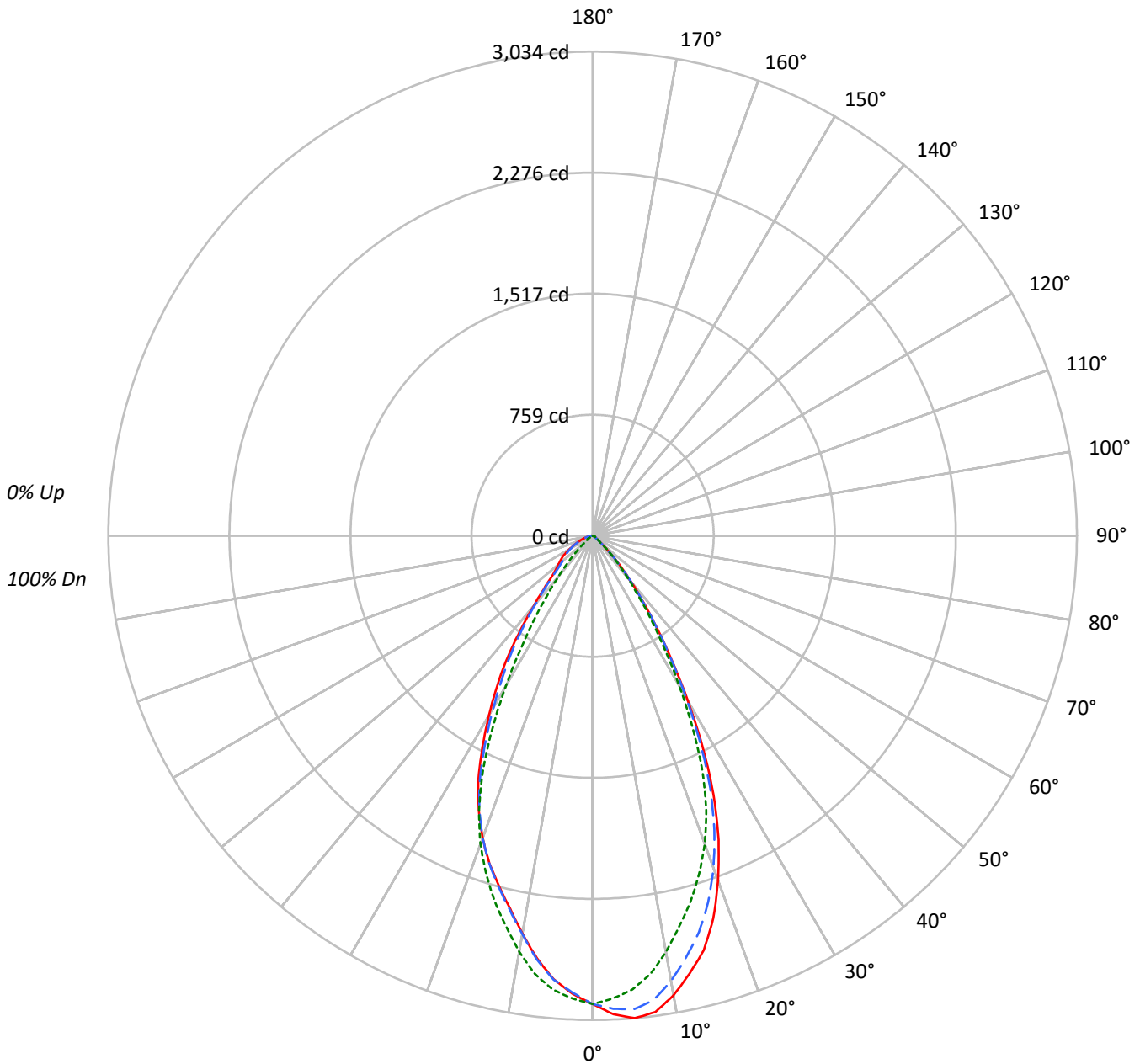
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2526.0 lumens  
Efficiency: N/A  
Efficacy: 79.9 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°	160837	160837	160837
5°	166954	157065	153510
10°	162683	147325	140846
15°	152577	134615	128798
20°	133945	119839	117552
25°	108333	98455	102514
30°	75315	68580	82044
35°	46418	42014	61917
40°	26271	23551	41120
45°	12753	12164	28065
50°	4861	4861	23854
55°	2657	3144	22021
60°	1941	2500	18036
65°	1647	2140	14775
70°	1427	1827	12166
75°	1334	1885	10463
80°	789	1610	7577
85°	818	3208	7170



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.6	10.6
10°-20°	675.1	26.7
20°-30°	759.9	30.1
30°-40°	470.6	18.6
40°-50°	187.4	7.4
50°-60°	85.3	3.4
60°-70°	49.0	1.9
70°-80°	23.3	0.9
80°-90°	6.8	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°	1703.6	67.4
0°-40°	2174.2	86.1
0°-60°	2446.9	96.9
0°-90°	2526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2934	2934	2934	2934	2934	
5°	3034	2978	2854	2792	2790	286
15°	2688	2572	2372	2276	2269	744
25°	1791	1743	1628	1668	1695	805
35°	694	690	628	875	925	446
45°	164	164	157	342	362	139
55°	28	27	33	202	230	28
65°	13	11	16	113	114	12
75°	6	6	9	48	49	7
85°	1	1	5	11	11	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°	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9	2933.9
2.5°	3001.0	2973.2	2966.8	2942.8	2902.3	2879.5	2865.6	2855.4	2873.2
5°	3033.9	3003.5	2978.2	2928.9	2854.2	2812.4	2792.2	2775.7	2789.6
7.5°	3009.9	2966.8	2932.7	2864.3	2769.4	2704.8	2677.0	2658.0	2670.6
10°	2922.5	2870.6	2831.4	2750.4	2646.6	2569.4	2535.2	2517.5	2530.2
12.5°	2808.6	2765.6	2706.1	2617.5	2506.1	2425.1	2399.8	2385.9	2390.9
15°	2688.4	2637.7	2571.9	2483.3	2371.9	2290.9	2275.7	2266.9	2269.4
17.5°	2513.7	2464.3	2407.4	2321.3	2218.8	2153.0	2153.0	2146.6	2150.4
20°	2296.0	2269.4	2213.7	2141.6	2054.2	1994.8	2013.7	2007.4	2015.0
22.5°	2060.6	2040.3	1992.2	1932.7	1859.3	1812.5	1854.3	1853.0	1863.1
25°	1791.0	1775.8	1742.9	1692.3	1627.7	1598.6	1668.2	1668.2	1694.8
27.5°	1493.5	1478.3	1455.6	1412.5	1359.4	1350.5	1453.0	1465.7	1494.8
30°	1189.8	1179.6	1167.0	1127.7	1083.4	1099.9	1241.7	1263.2	1296.1
32.5°	918.9	912.6	908.8	873.3	834.1	888.5	1050.5	1078.4	1111.3
35°	693.6	679.7	689.8	663.2	627.8	696.1	874.6	898.7	925.2
37.5°	511.3	501.2	510.1	491.1	459.5	534.1	702.5	717.7	735.4
40°	367.1	358.2	365.8	354.4	329.1	398.7	550.6	567.0	574.6
42.5°	260.7	245.5	253.1	244.3	231.6	300.0	432.9	448.1	450.6
45°	164.5	159.5	164.5	159.5	156.9	222.8	341.7	355.7	362.0
47.5°	100.0	93.7	93.7	91.1	93.7	164.5	282.3	302.5	312.6
50°	57.0	54.4	53.2	51.9	57.0	129.1	244.3	267.1	279.7
52.5°	38.0	36.7	36.7	35.4	41.8	108.9	220.2	240.5	253.1
55°	27.8	26.6	26.6	26.6	32.9	93.7	202.5	219.0	230.4
57.5°	21.5	21.5	21.5	20.3	27.8	79.7	181.0	189.9	198.7
60°	17.7	16.5	16.5	16.5	22.8	68.3	155.7	159.5	164.5
62.5°	13.9	13.9	13.9	13.9	19.0	60.8	134.2	134.2	136.7
65°	12.7	11.4	11.4	11.4	16.5	53.2	112.6	111.4	113.9
67.5°	10.1	10.1	10.1	10.1	13.9	45.6	92.4	91.1	93.7
70°	8.9	8.9	8.9	8.9	11.4	38.0	74.7	73.4	75.9
72.5°	7.6	7.6	7.6	7.6	10.1	31.6	59.5	59.5	60.8
75°	6.3	6.3	6.3	6.3	8.9	24.0	48.1	48.1	49.4
77.5°	5.1	5.1	5.1	5.1	6.3	19.0	36.7	35.4	35.4
80°	2.5	3.8	3.8	3.8	5.1	13.9	26.6	24.0	24.0
82.5°	1.3	2.5	2.5	2.5	5.1	10.1	17.7	16.5	16.5
85°	1.3	1.3	1.3	3.8	5.1	7.6	11.4	11.4	11.4
87.5°	0.0	1.3	2.5	5.1	6.3	6.3	7.6	6.3	6.3
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)