

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: P799536

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDDWWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799536  
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: LD6C30D010 EU6309027 6LBMDDWWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH WH FINISH  
Light Source: -  
Ballast/Driver: -

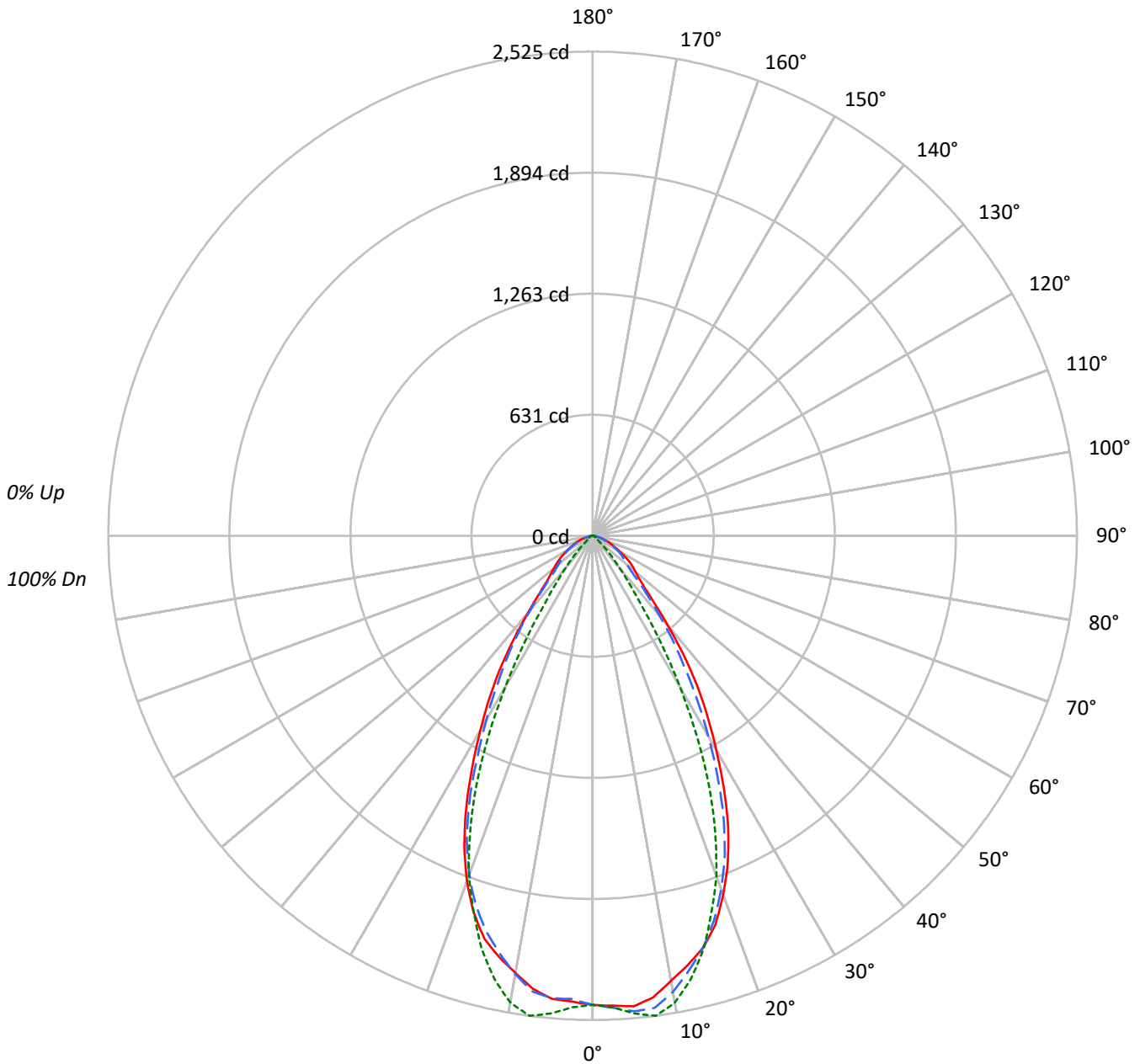
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2491.0 lumens  
Efficiency: N/A  
Efficacy: 78.8 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): 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					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	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°	134134	134134	134134
5°	135538	137590	133414
10°	131149	137589	128861
15°	126221	126720	123536
20°	116169	110073	111811
25°	101105	86799	94179
30°	81538	57667	73973
35°	63216	29734	55553
40°	43374	15407	37406
45°	29716	7722	26243
50°	24733	3292	22498
55°	22241	2858	20100
60°	17597	2730	16786
65°	14528	2426	14372
70°	11765	2196	11765
75°	8705	2372	9235
80°	5114	1957	5493
85°	3900	2327	3900



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	232.9	9.4
10°-20°	611.3	24.5
20°-30°	697.8	28.0
30°-40°	462.8	18.6
40°-50°	223.2	9.0
50°-60°	137.3	5.5
60°-70°	83.1	3.3
70°-80°	35.0	1.4
80°-90°	7.7	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°	1542.0	61.9
0°-40°	2004.8	80.5
0°-60°	2365.3	95.0
0°-90°	2491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2447	2447	2447	2447	2447	
5°	2463	2489	2500	2421	2424	231
15°	2224	2224	2233	2138	2177	620
25°	1672	1615	1435	1518	1557	758
35°	945	833	444	777	830	584
45°	383	336	100	314	338	313
55°	233	189	30	189	210	205
65°	112	107	19	101	111	112
75°	41	41	11	39	44	44
85°	6	9	4	6	6	8
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°	2446.8	2446.8	2446.8	2446.8	2446.8	2446.8	2446.8	2446.8	2446.8
2.5°	2453.0	2456.8	2464.2	2465.5	2461.8	2438.1	2418.2	2425.7	2431.9
5°	2463.0	2470.5	2489.1	2506.6	2500.3	2460.5	2420.7	2419.4	2424.4
7.5°	2426.9	2444.3	2482.9	2526.5	2525.2	2456.8	2398.3	2383.3	2383.3
10°	2356.0	2372.1	2414.5	2473.0	2471.7	2385.8	2321.1	2313.7	2314.9
12.5°	2292.5	2300.0	2321.1	2367.2	2367.2	2282.5	2232.8	2240.2	2250.2
15°	2224.0	2229.0	2224.0	2239.0	2232.8	2163.1	2138.2	2161.8	2176.7
17.5°	2127.0	2129.5	2103.3	2083.4	2059.8	2016.2	2022.4	2057.3	2061.0
20°	1991.3	2007.5	1960.2	1909.2	1886.8	1845.7	1880.5	1919.1	1916.6
22.5°	1842.0	1860.6	1799.6	1715.0	1669.0	1652.8	1715.0	1749.9	1748.6
25°	1671.5	1685.1	1615.4	1497.2	1435.0	1432.5	1518.4	1554.5	1557.0
27.5°	1479.8	1484.8	1406.4	1252.0	1174.9	1193.5	1301.8	1351.6	1357.8
30°	1288.1	1285.6	1204.7	1013.1	911.0	962.1	1107.7	1162.4	1168.6
32.5°	1112.6	1105.2	1013.1	784.1	662.1	738.0	929.7	986.9	996.9
35°	944.6	932.2	832.6	580.0	444.3	557.6	776.6	826.4	830.1
37.5°	769.1	762.9	684.5	434.4	309.9	423.2	633.5	669.6	665.8
40°	606.1	606.1	541.4	322.3	215.3	314.9	501.6	533.9	522.7
42.5°	475.4	481.6	426.9	237.7	153.1	234.0	397.0	426.9	414.4
45°	383.3	383.3	336.0	176.7	99.6	174.2	313.6	341.0	338.5
47.5°	324.8	319.9	272.6	129.4	54.8	130.7	263.8	297.5	296.2
50°	290.0	282.5	234.0	102.1	38.6	108.3	231.5	262.6	263.8
52.5°	262.6	251.4	210.3	90.9	33.6	94.6	210.3	235.2	235.2
55°	232.7	226.5	189.2	80.9	29.9	84.6	189.2	211.6	210.3
57.5°	196.6	195.4	169.3	73.4	27.4	74.7	169.3	183.0	178.0
60°	160.5	165.5	146.9	66.0	24.9	67.2	144.4	155.6	153.1
62.5°	134.4	140.6	128.2	58.5	21.2	59.7	122.0	133.2	130.7
65°	112.0	117.0	107.0	49.8	18.7	49.8	100.8	110.8	110.8
67.5°	92.1	95.8	88.4	41.1	16.2	41.1	82.1	90.9	92.1
70°	73.4	75.9	69.7	32.4	13.7	33.6	64.7	73.4	73.4
72.5°	57.3	58.5	54.8	26.1	12.4	26.1	49.8	57.3	57.3
75°	41.1	43.6	41.1	19.9	11.2	19.9	38.6	42.3	43.6
77.5°	23.6	29.9	29.9	16.2	8.7	14.9	27.4	28.6	28.6
80°	16.2	18.7	21.2	11.2	6.2	11.2	17.4	18.7	17.4
82.5°	11.2	12.4	12.4	7.5	5.0	7.5	11.2	12.4	11.2
85°	6.2	8.7	8.7	6.2	3.7	5.0	6.2	7.5	6.2
87.5°	3.7	5.0	6.2	5.0	3.7	3.7	3.7	3.7	2.5
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)