

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: P799534

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDDWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799534  
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 6LBMDDWLI  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

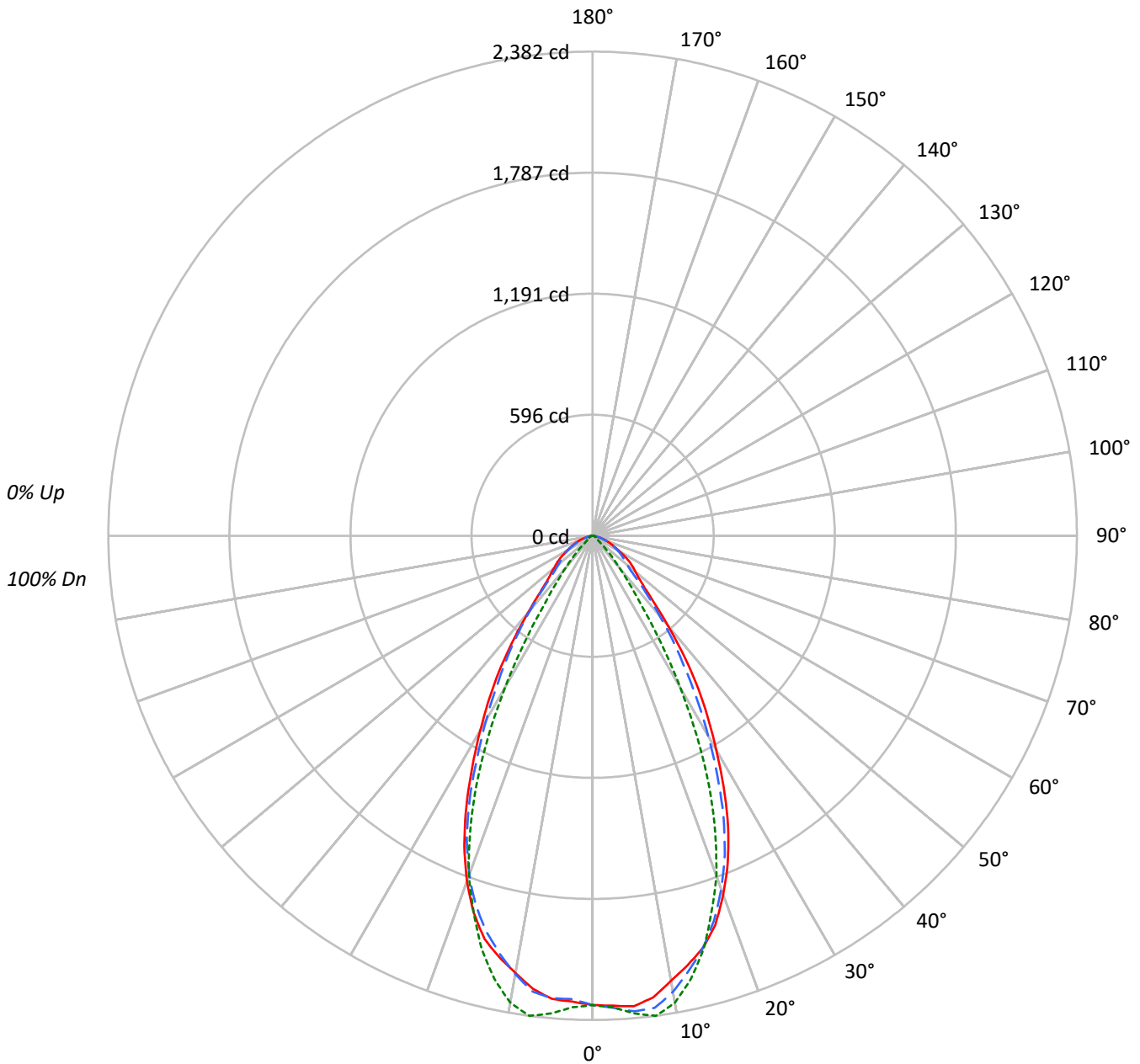
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2350.0 lumens  
Efficiency: N/A  
Efficacy: 74.4 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): 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	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°	126541	126541	126541
5°	127867	129804	125864
10°	123723	129802	121569
15°	119081	119547	116544
20°	109595	103842	105482
25°	95376	81888	88844
30°	76923	54407	69789
35°	59642	28054	52407
40°	40920	14534	35288
45°	28034	7280	24762
50°	23334	3104	21227
55°	20989	2695	18962
60°	16611	2577	15832
65°	13711	2283	13555
70°	11108	2068	11108
75°	8197	2245	8705
80°	4830	1863	5177
85°	3711	2201	3711



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	219.7	9.4
10°-20°	576.7	24.5
20°-30°	658.3	28.0
30°-40°	436.6	18.6
40°-50°	210.6	9.0
50°-60°	129.5	5.5
60°-70°	78.4	3.3
70°-80°	33.0	1.4
80°-90°	7.3	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°	1454.7	61.9
0°-40°	1891.3	80.5
0°-60°	2231.4	95.0
0°-90°	2350.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2308	2308	2308	2308	2308	
5°	2324	2348	2359	2284	2287	218
15°	2098	2098	2106	2017	2054	585
25°	1577	1524	1354	1432	1469	715
35°	891	786	419	733	783	551
45°	362	317	94	296	319	295
55°	220	178	28	178	198	193
65°	106	101	18	95	104	106
75°	39	39	11	36	41	41
85°	6	8	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°	2308.3	2308.3	2308.3	2308.3	2308.3	2308.3	2308.3	2308.3	2308.3
2.5°	2314.2	2317.7	2324.8	2325.9	2322.4	2300.1	2281.3	2288.4	2294.2
5°	2323.6	2330.6	2348.2	2364.7	2358.8	2321.2	2283.7	2282.5	2287.2
7.5°	2289.5	2306.0	2342.4	2383.5	2382.3	2317.7	2262.5	2248.4	2248.4
10°	2222.6	2237.9	2277.8	2333.0	2331.8	2250.8	2189.7	2182.7	2183.9
12.5°	2162.7	2169.8	2189.7	2233.2	2233.2	2153.3	2106.4	2113.4	2122.8
15°	2098.2	2102.8	2098.2	2112.2	2106.4	2040.6	2017.1	2039.4	2053.5
17.5°	2006.6	2008.9	1984.3	1965.5	1943.2	1902.1	1907.9	1940.8	1944.3
20°	1878.6	1893.9	1849.2	1801.1	1780.0	1741.2	1774.1	1810.5	1808.1
22.5°	1737.7	1755.3	1697.8	1617.9	1574.5	1559.2	1617.9	1650.8	1649.6
25°	1576.8	1589.8	1524.0	1412.5	1353.8	1351.4	1432.4	1466.5	1468.8
27.5°	1396.0	1400.7	1326.8	1181.2	1108.4	1126.0	1228.1	1275.1	1281.0
30°	1215.2	1212.9	1136.5	955.7	859.5	907.6	1045.0	1096.6	1102.5
32.5°	1049.7	1042.6	955.7	739.7	624.6	696.3	877.1	931.1	940.5
35°	891.2	879.4	785.5	547.1	419.2	526.0	732.7	779.6	783.1
37.5°	725.6	719.7	645.8	409.8	292.4	399.2	597.6	631.7	628.2
40°	571.8	571.8	510.7	304.1	203.1	297.1	473.2	503.7	493.1
42.5°	448.5	454.4	402.7	224.3	144.4	220.7	374.5	402.7	391.0
45°	361.6	361.6	317.0	166.7	93.9	164.4	295.9	321.7	319.4
47.5°	306.4	301.7	257.1	122.1	51.7	123.3	248.9	280.6	279.4
50°	273.6	266.5	220.7	96.3	36.4	102.1	218.4	247.7	248.9
52.5°	247.7	237.2	198.4	85.7	31.7	89.2	198.4	221.9	221.9
55°	219.6	213.7	178.5	76.3	28.2	79.8	178.5	199.6	198.4
57.5°	185.5	184.3	159.7	69.3	25.8	70.4	159.7	172.6	167.9
60°	151.5	156.2	138.5	62.2	23.5	63.4	136.2	146.8	144.4
62.5°	126.8	132.7	120.9	55.2	20.0	56.4	115.1	125.6	123.3
65°	105.7	110.4	101.0	47.0	17.6	47.0	95.1	104.5	104.5
67.5°	86.9	90.4	83.4	38.7	15.3	38.7	77.5	85.7	86.9
70°	69.3	71.6	65.8	30.5	12.9	31.7	61.1	69.3	69.3
72.5°	54.0	55.2	51.7	24.7	11.7	24.7	47.0	54.0	54.0
75°	38.7	41.1	38.7	18.8	10.6	18.8	36.4	39.9	41.1
77.5°	22.3	28.2	28.2	15.3	8.2	14.1	25.8	27.0	27.0
80°	15.3	17.6	20.0	10.6	5.9	10.6	16.4	17.6	16.4
82.5°	10.6	11.7	11.7	7.0	4.7	7.0	10.6	11.7	10.6
85°	5.9	8.2	8.2	5.9	3.5	4.7	5.9	7.0	5.9
87.5°	3.5	4.7	5.9	4.7	3.5	3.5	3.5	3.5	2.3
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)