

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: P799533

Luminaire Tested: **LD6C30D010 EU6309027 6LBMDDWH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799533  
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 6LBMDDWH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBMDDW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

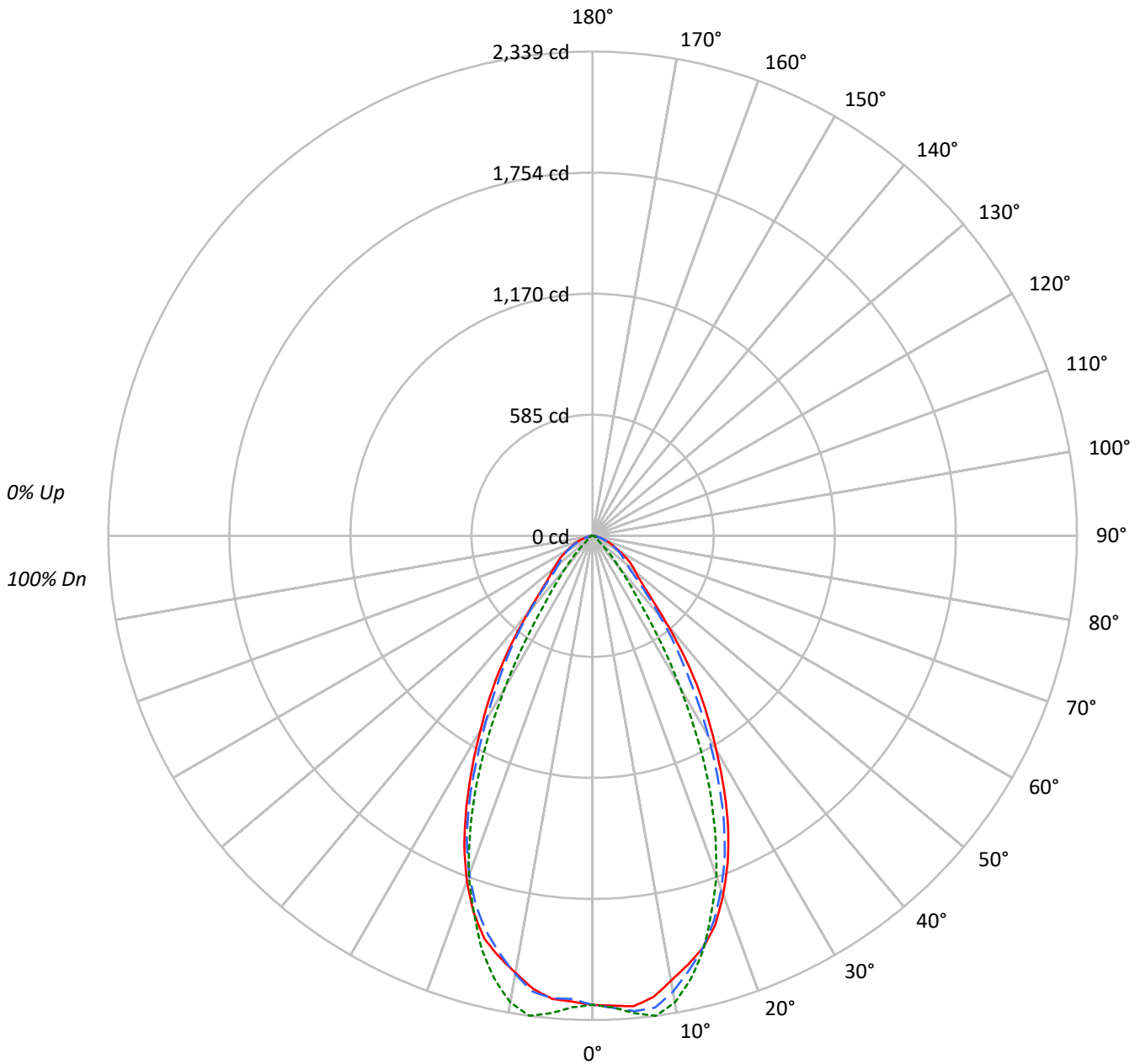
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2307.0 lumens  
Efficiency: N/A  
Efficacy: 73.0 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°	124228	124228	124228
5°	125528	127426	123558
10°	121457	127425	119342
15°	116902	117356	114416
20°	107588	101941	103557
25°	93634	80388	87217
30°	75518	53407	68511
35°	58551	27539	51450
40°	40168	14270	34643
45°	27522	7148	24305
50°	22908	3045	20844
55°	20597	2647	18618
60°	16304	2533	15547
65°	13452	2244	13309
70°	10899	2036	10899
75°	8049	2203	8536
80°	4735	1831	5083
85°	3648	2201	3648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.7	9.4
10°-20°	566.2	24.5
20°-30°	646.2	28.0
30°-40°	428.6	18.6
40°-50°	206.7	9.0
50°-60°	127.2	5.5
60°-70°	76.9	3.3
70°-80°	32.4	1.4
80°-90°	7.2	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°	1428.1	61.9
0°-40°	1856.7	80.5
0°-60°	2190.5	95.0
0°-90°	2307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2266	2266	2266	2266	2266	
5°	2281	2305	2316	2242	2245	214
15°	2060	2060	2068	1980	2016	574
25°	1548	1496	1329	1406	1442	702
35°	875	771	412	719	769	541
45°	355	311	92	290	314	290
55°	216	175	28	175	195	189
65°	104	99	17	93	103	104
75°	38	38	10	36	40	41
85°	6	8	4	6	6	7
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°	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1	2266.1
2.5°	2271.8	2275.3	2282.2	2283.4	2279.9	2258.0	2239.6	2246.5	2252.3
5°	2281.1	2288.0	2305.3	2321.4	2315.6	2278.8	2241.9	2240.7	2245.3
7.5°	2247.6	2263.8	2299.5	2339.9	2338.7	2275.3	2221.1	2207.3	2207.3
10°	2181.9	2196.9	2236.1	2290.3	2289.1	2209.6	2149.7	2142.8	2143.9
12.5°	2123.2	2130.1	2149.7	2192.3	2192.3	2113.9	2067.8	2074.7	2084.0
15°	2059.8	2064.4	2059.8	2073.6	2067.8	2003.3	1980.2	2002.1	2016.0
17.5°	1969.9	1972.2	1948.0	1929.5	1907.6	1867.3	1873.0	1905.3	1908.8
20°	1844.2	1859.2	1815.4	1768.1	1747.4	1709.4	1741.6	1777.4	1775.1
22.5°	1705.9	1723.2	1666.7	1588.3	1545.7	1530.7	1588.3	1620.6	1619.5
25°	1548.0	1560.7	1496.1	1386.6	1329.0	1326.7	1406.2	1439.6	1441.9
27.5°	1370.5	1375.1	1302.5	1159.6	1088.1	1105.4	1205.7	1251.8	1257.5
30°	1193.0	1190.7	1115.8	938.2	843.7	891.0	1025.8	1076.6	1082.3
32.5°	1030.5	1023.5	938.2	726.2	613.2	683.5	861.0	914.0	923.3
35°	874.9	863.3	771.1	537.1	411.5	516.4	719.2	765.4	768.8
37.5°	712.3	706.6	633.9	402.3	287.0	391.9	586.7	620.1	616.7
40°	561.3	561.3	501.4	298.5	199.4	291.6	464.5	494.5	484.1
42.5°	440.3	446.1	395.4	220.2	141.8	216.7	367.7	395.4	383.8
45°	355.0	355.0	311.2	163.7	92.2	161.4	290.5	315.8	313.5
47.5°	300.8	296.2	252.4	119.9	50.7	121.0	244.4	275.5	274.3
50°	268.6	261.6	216.7	94.5	35.7	100.3	214.4	243.2	244.4
52.5°	243.2	232.8	194.8	84.1	31.1	87.6	194.8	217.8	217.8
55°	215.5	209.8	175.2	74.9	27.7	78.4	175.2	195.9	194.8
57.5°	182.1	181.0	156.8	68.0	25.4	69.2	156.8	169.4	164.8
60°	148.7	153.3	136.0	61.1	23.1	62.2	133.7	144.1	141.8
62.5°	124.5	130.2	118.7	54.2	19.6	55.3	113.0	123.3	121.0
65°	103.7	108.3	99.1	46.1	17.3	46.1	93.4	102.6	102.6
67.5°	85.3	88.8	81.8	38.0	15.0	38.0	76.1	84.1	85.3
70°	68.0	70.3	64.5	30.0	12.7	31.1	59.9	68.0	68.0
72.5°	53.0	54.2	50.7	24.2	11.5	24.2	46.1	53.0	53.0
75°	38.0	40.3	38.0	18.4	10.4	18.4	35.7	39.2	40.3
77.5°	21.9	27.7	27.7	15.0	8.1	13.8	25.4	26.5	26.5
80°	15.0	17.3	19.6	10.4	5.8	10.4	16.1	17.3	16.1
82.5°	10.4	11.5	11.5	6.9	4.6	6.9	10.4	11.5	10.4
85°	5.8	8.1	8.1	5.8	3.5	4.6	5.8	6.9	5.8
87.5°	3.5	4.6	5.8	4.6	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)