

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: P799586

Luminaire Tested: **LD6C30D010 EU6309050 6LBMDSWGPH**

Issue Date: 4/12/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P799586  
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 6LBMDSWGPH  
Description: 6 INCH 3000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

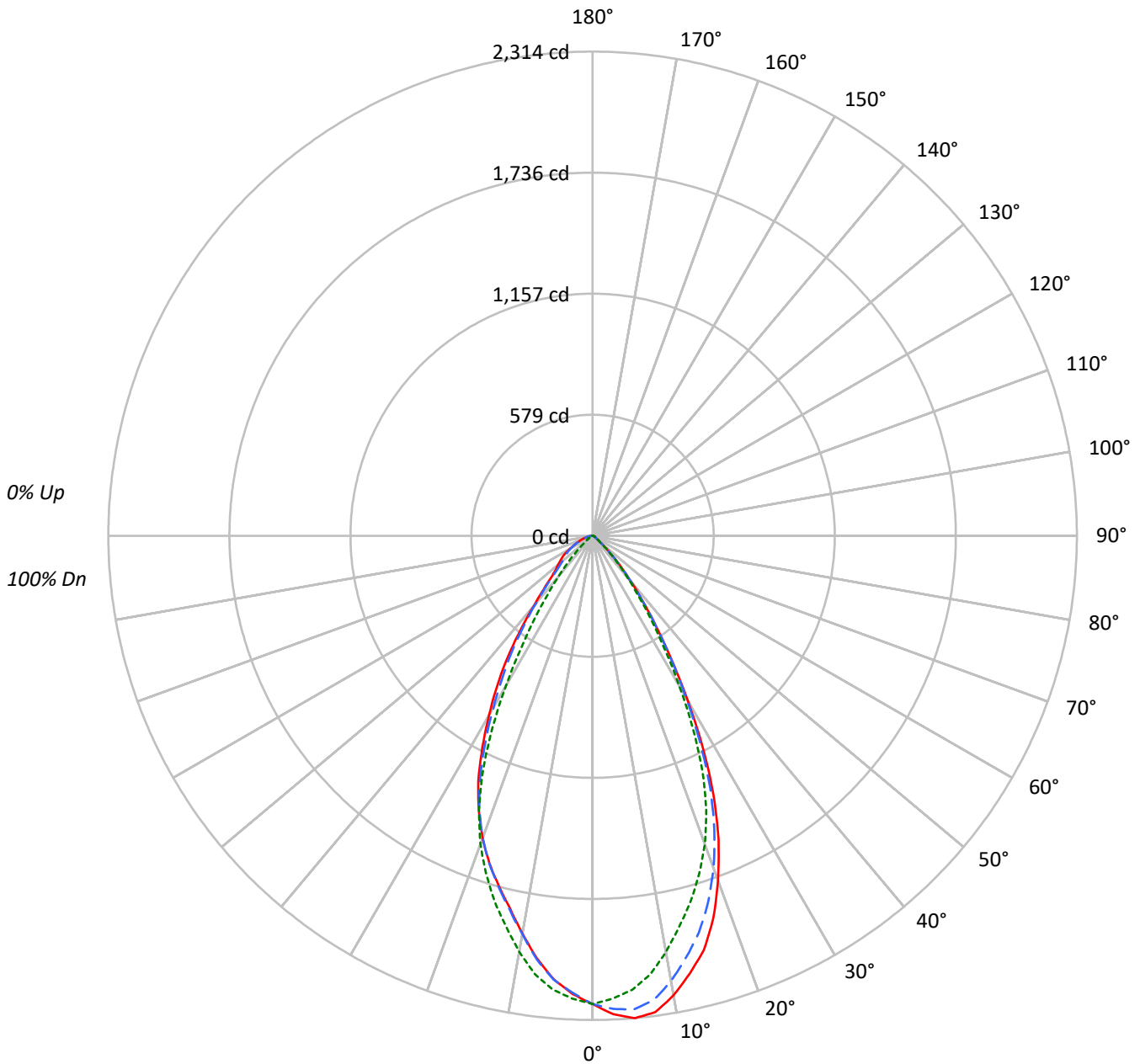
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1927.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 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					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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92				
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85				85				
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78				78				
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73				73				
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67				67				
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63				63				
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59				59				
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55				55				
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52				52				
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49				49				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	122699	122699	122699
5°	127366	119821	117108
10°	124107	112389	107446
15°	116397	102696	98258
20°	102180	91422	89678
25°	82644	75107	78204
30°	57452	52318	62586
35°	35409	32049	47234
40°	20038	17962	31373
45°	9730	9280	21413
50°	3710	3710	18200
55°	2026	2399	16793
60°	1480	1908	13760
65°	1258	1634	11272
70°	1090	1394	9280
75°	1017	1440	7985
80°	600	1231	5777
85°	629	2453	5472



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	204.9	10.6
10°-20°	515.0	26.7
20°-30°	579.7	30.1
30°-40°	359.0	18.6
40°-50°	143.0	7.4
50°-60°	65.1	3.4
60°-70°	37.4	1.9
70°-80°	17.8	0.9
80°-90°	5.2	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°	1299.6	67.4
0°-40°	1658.6	86.1
0°-60°	1866.6	96.9
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2238	2238	2238	2238	2238	
5°	2314	2272	2177	2130	2128	218
15°	2051	1962	1810	1736	1731	567
25°	1366	1330	1242	1273	1293	614
35°	529	526	479	667	706	340
45°	126	126	120	261	276	106
55°	21	20	25	154	176	21
65°	10	9	13	86	87	9
75°	5	5	7	37	38	5
85°	1	1	4	9	9	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°	2238.2	2238.2	2238.2	2238.2	2238.2	2238.2	2238.2	2238.2	2238.2
2.5°	2289.4	2268.1	2263.3	2244.9	2214.0	2196.7	2186.0	2178.3	2191.8
5°	2314.5	2291.3	2272.0	2234.3	2177.4	2145.5	2130.0	2117.5	2128.1
7.5°	2296.1	2263.3	2237.2	2185.1	2112.7	2063.4	2042.2	2027.7	2037.3
10°	2229.5	2189.9	2160.0	2098.2	2019.0	1960.1	1934.0	1920.5	1930.2
12.5°	2142.6	2109.8	2064.4	1996.8	1911.8	1850.0	1830.7	1820.1	1824.0
15°	2050.9	2012.2	1962.0	1894.4	1809.5	1747.7	1736.1	1729.3	1731.3
17.5°	1917.6	1880.0	1836.5	1770.9	1692.6	1642.4	1642.4	1637.6	1640.5
20°	1751.5	1731.3	1688.8	1633.7	1567.1	1521.7	1536.2	1531.4	1537.2
22.5°	1571.9	1556.5	1519.8	1474.4	1418.4	1382.7	1414.6	1413.6	1421.3
25°	1366.3	1354.7	1329.6	1291.0	1241.7	1219.5	1272.6	1272.6	1292.9
27.5°	1139.4	1127.8	1110.4	1077.6	1037.0	1030.3	1108.5	1118.1	1140.3
30°	907.6	899.9	890.3	860.3	826.5	839.1	947.2	963.6	988.7
32.5°	701.0	696.2	693.3	666.2	636.3	677.8	801.4	822.7	847.8
35°	529.1	518.5	526.2	506.0	478.9	531.1	667.2	685.6	705.8
37.5°	390.1	382.4	389.1	374.6	350.5	407.5	535.9	547.5	561.0
40°	280.0	273.3	279.0	270.4	251.0	304.2	420.0	432.6	438.4
42.5°	198.9	187.3	193.1	186.4	176.7	228.8	330.2	341.8	343.7
45°	125.5	121.7	125.5	121.7	119.7	169.9	260.7	271.3	276.2
47.5°	76.3	71.5	71.5	69.5	71.5	125.5	215.3	230.8	238.5
50°	43.5	41.5	40.6	39.6	43.5	98.5	186.4	203.7	213.4
52.5°	29.0	28.0	28.0	27.0	31.9	83.0	168.0	183.5	193.1
55°	21.2	20.3	20.3	20.3	25.1	71.5	154.5	167.0	175.7
57.5°	16.4	16.4	16.4	15.4	21.2	60.8	138.1	144.8	151.6
60°	13.5	12.6	12.6	12.6	17.4	52.1	118.8	121.7	125.5
62.5°	10.6	10.6	10.6	10.6	14.5	46.3	102.4	102.4	104.3
65°	9.7	8.7	8.7	8.7	12.6	40.6	85.9	85.0	86.9
67.5°	7.7	7.7	7.7	7.7	10.6	34.8	70.5	69.5	71.5
70°	6.8	6.8	6.8	6.8	8.7	29.0	57.0	56.0	57.9
72.5°	5.8	5.8	5.8	5.8	7.7	24.1	45.4	45.4	46.3
75°	4.8	4.8	4.8	4.8	6.8	18.3	36.7	36.7	37.7
77.5°	3.9	3.9	3.9	3.9	4.8	14.5	28.0	27.0	27.0
80°	1.9	2.9	2.9	2.9	3.9	10.6	20.3	18.3	18.3
82.5°	1.0	1.9	1.9	1.9	3.9	7.7	13.5	12.6	12.6
85°	1.0	1.0	1.0	2.9	3.9	5.8	8.7	8.7	8.7
87.5°	0.0	1.0	1.9	3.9	4.8	4.8	5.8	4.8	4.8
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)