

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: P799456

Luminaire Tested: **LD6C20D010 EU6209040 6LBMDSWLI**

Issue Date: 4/12/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P799456  
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: LD6C20D010 EU6209040 6LBMDSWLI  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBMDSW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

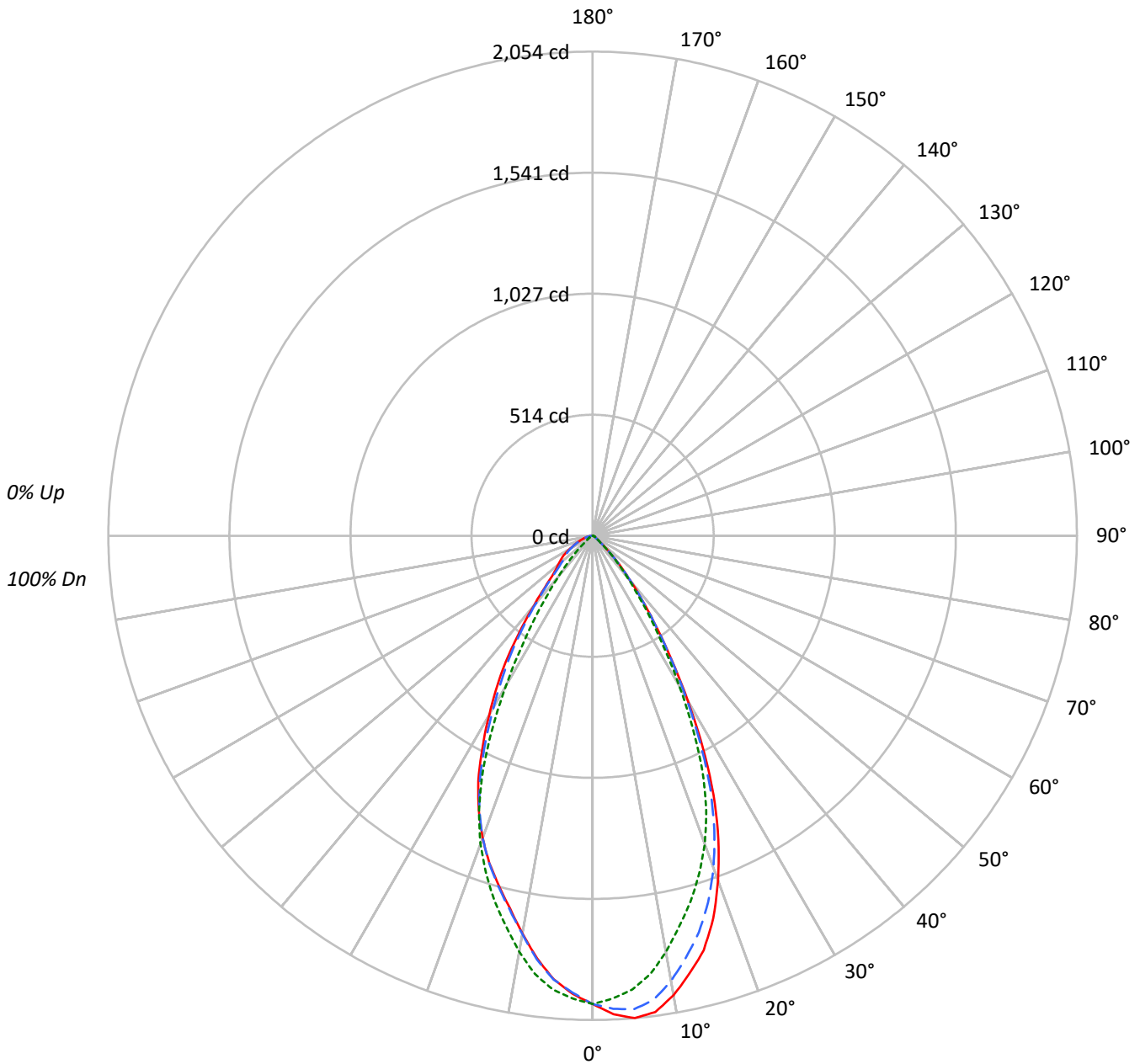
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1710.0 lumens  
Efficiency: N/A  
Efficacy: 78.4 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): 21.8  
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	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°	108878	108878	108878
5°	113020	106328	103923
10°	110129	99731	95344
15°	103287	91130	87191
20°	90675	81125	79579
25°	73335	66651	69397
30°	50983	46431	55540
35°	31420	28442	41914
40°	17783	15944	27838
45°	8637	8233	19002
50°	3292	3292	16153
55°	1806	2131	14900
60°	1316	1688	12214
65°	1116	1440	10001
70°	962	1234	8239
75°	911	1271	7074
80°	537	1073	5146
85°	566	2139	4843



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.8	10.6
10°-20°	457.0	26.7
20°-30°	514.4	30.1
30°-40°	318.6	18.6
40°-50°	126.9	7.4
50°-60°	57.8	3.4
60°-70°	33.2	1.9
70°-80°	15.8	0.9
80°-90°	4.6	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°	1153.3	67.4
0°-40°	1471.8	86.1
0°-60°	1656.4	96.9
0°-90°	1710.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1710.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1986	1986	1986	1986	1986	
5°	2054	2016	1932	1890	1888	193
15°	1820	1741	1606	1541	1536	504
25°	1212	1180	1102	1129	1147	545
35°	470	467	425	592	626	302
45°	111	111	106	231	245	94
55°	19	18	22	137	156	19
65°	9	8	11	76	77	8
75°	4	4	6	33	33	4
85°	1	1	3	8	8	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°	1986.1	1986.1	1986.1	1986.1	1986.1	1986.1	1986.1	1986.1	1986.1
2.5°	2031.6	2012.7	2008.4	1992.1	1964.7	1949.3	1939.9	1933.0	1945.0
5°	2053.8	2033.3	2016.1	1982.7	1932.2	1903.9	1890.2	1879.0	1888.5
7.5°	2037.6	2008.4	1985.3	1939.0	1874.8	1831.1	1812.2	1799.4	1807.9
10°	1978.4	1943.3	1916.7	1861.9	1791.6	1739.4	1716.2	1704.2	1712.8
12.5°	1901.3	1872.2	1831.9	1771.9	1696.5	1641.7	1624.6	1615.1	1618.6
15°	1819.9	1785.6	1741.1	1681.1	1605.7	1550.9	1540.6	1534.6	1536.3
17.5°	1701.7	1668.3	1629.7	1571.4	1502.0	1457.5	1457.5	1453.2	1455.8
20°	1554.3	1536.3	1498.6	1449.8	1390.6	1350.4	1363.2	1358.9	1364.1
22.5°	1394.9	1381.2	1348.7	1308.4	1258.7	1227.0	1255.3	1254.4	1261.3
25°	1212.4	1202.1	1179.9	1145.6	1101.9	1082.2	1129.3	1129.3	1147.3
27.5°	1011.1	1000.8	985.4	956.2	920.2	914.2	983.6	992.2	1011.9
30°	805.4	798.6	790.0	763.4	733.5	744.6	840.6	855.1	877.4
32.5°	622.1	617.8	615.2	591.2	564.7	601.5	711.2	730.0	752.3
35°	469.5	460.1	467.0	449.0	425.0	471.3	592.1	608.4	626.3
37.5°	346.2	339.3	345.3	332.5	311.0	361.6	475.5	485.8	497.8
40°	248.5	242.5	247.6	239.9	222.8	269.9	372.7	383.9	389.0
42.5°	176.5	166.2	171.4	165.4	156.8	203.1	293.0	303.3	305.0
45°	111.4	108.0	111.4	108.0	106.2	150.8	231.3	240.8	245.1
47.5°	67.7	63.4	63.4	61.7	63.4	111.4	191.1	204.8	211.6
50°	38.6	36.8	36.0	35.1	38.6	87.4	165.4	180.8	189.4
52.5°	25.7	24.8	24.8	24.0	28.3	73.7	149.1	162.8	171.4
55°	18.9	18.0	18.0	18.0	22.3	63.4	137.1	148.2	155.9
57.5°	14.6	14.6	14.6	13.7	18.9	54.0	122.5	128.5	134.5
60°	12.0	11.1	11.1	11.1	15.4	46.3	105.4	108.0	111.4
62.5°	9.4	9.4	9.4	9.4	12.9	41.1	90.8	90.8	92.5
65°	8.6	7.7	7.7	7.7	11.1	36.0	76.3	75.4	77.1
67.5°	6.9	6.9	6.9	6.9	9.4	30.8	62.5	61.7	63.4
70°	6.0	6.0	6.0	6.0	7.7	25.7	50.6	49.7	51.4
72.5°	5.1	5.1	5.1	5.1	6.9	21.4	40.3	40.3	41.1
75°	4.3	4.3	4.3	4.3	6.0	16.3	32.6	32.6	33.4
77.5°	3.4	3.4	3.4	3.4	4.3	12.9	24.8	24.0	24.0
80°	1.7	2.6	2.6	2.6	3.4	9.4	18.0	16.3	16.3
82.5°	0.9	1.7	1.7	1.7	3.4	6.9	12.0	11.1	11.1
85°	0.9	0.9	0.9	2.6	3.4	5.1	7.7	7.7	7.7
87.5°	0.0	0.9	1.7	3.4	4.3	4.3	5.1	4.3	4.3
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)