

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: P844144

Luminaire Tested: **LD6C20DE010B2750 EU6C20B35 6LBSQLI**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C20DE010B2750 EU6C20B35 6LBSQLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

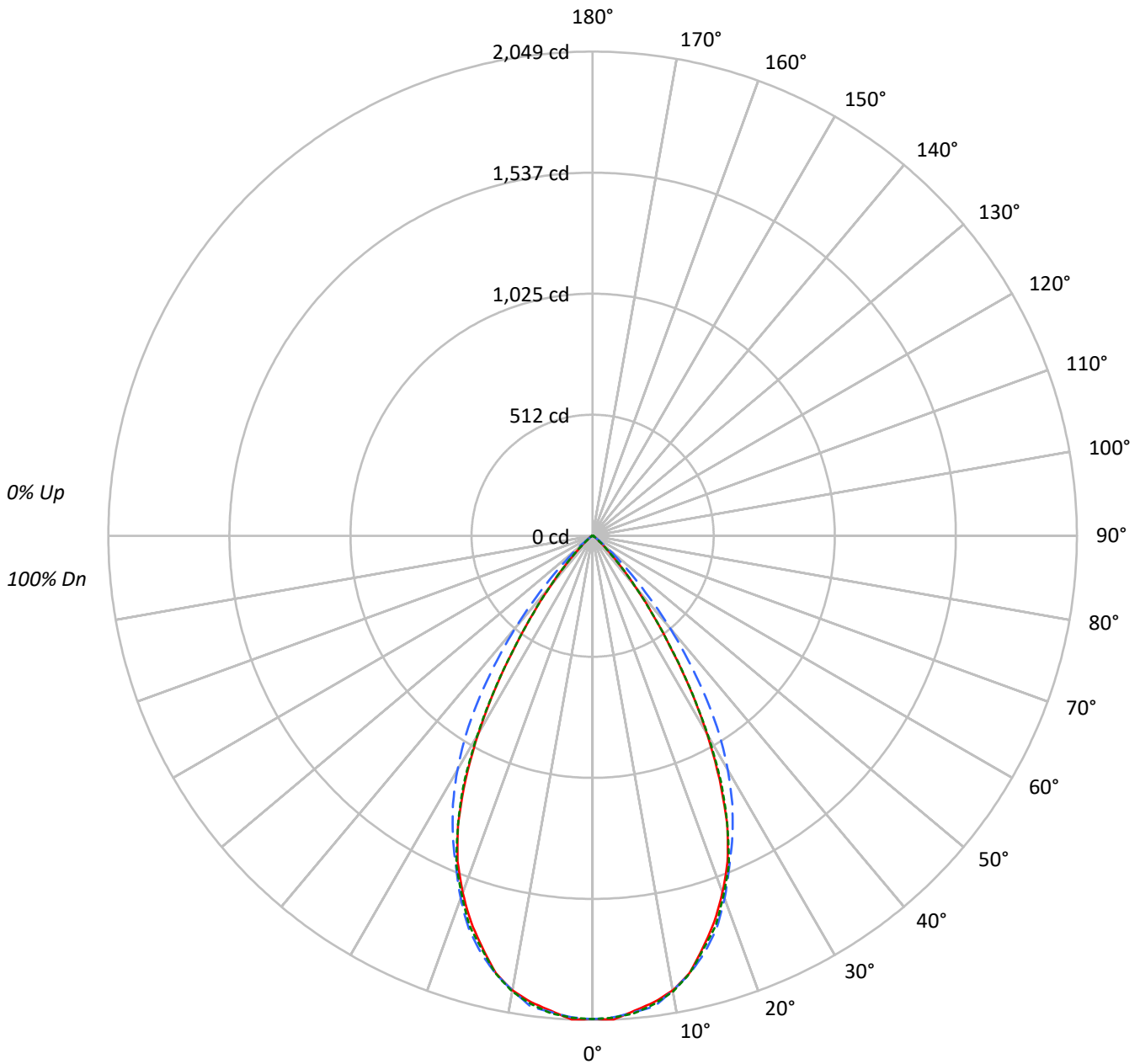
Lumens per Lamp: N/A  
Luminaire Lumens: 1921.7 lumens  
Efficiency: N/A  
Efficacy: 88.2 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.8  
Input Voltage (V):  
Input Current (Ain): 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

TEST NUMBER: P844144

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBSQLI

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56																			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53																			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50																			

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

	0°	45°	90°
0°	88049	88049	88049
5°	87218	87434	87659
10°	85402	85402	85630
15°	80412	81447	80702
20°	73626	74808	74158
25°	63972	66481	64029
30°	48111	56890	48558
35°	29871	43820	30002
40°	15715	28541	15648
45°	6509	14279	6667
50°	2498	5352	2498
55°	1359	1644	1261
60°	896	775	896
65°	530	530	530
70°	315	478	315
75°	216	216	216
80°	322	322	322
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.4	10.0
10°-20°	509.3	26.5
20°-30°	625.0	32.5
30°-40°	431.5	22.5
40°-50°	134.9	7.0
50°-60°	21.1	1.1
60°-70°	6.1	0.3
70°-80°	2.0	0.1
80°-90°	0.5	0.0
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°	1325.7	69.0
0°-40°	1757.2	91.4
0°-60°	1913.2	99.6
0°-90°	1921.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1921.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2045	2045	2045	2045	2045	
5°	2018	2026	2023	2024	2028	191
15°	1804	1830	1827	1825	1810	505
25°	1347	1381	1399	1390	1348	603
35°	568	672	834	678	571	363
45°	107	146	234	145	110	96
55°	18	19	22	19	17	18
65°	5	6	5	6	5	6
75°	1	1	1	1	1	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P844144

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBSQLI

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0
2.5°	2048.8	2020.5	2038.6	2034.7	2045.0	2051.4	2045.0	2056.6	2048.8	2039.9	2042.4
5°	2018.0	2021.8	2020.5	2023.0	2025.7	2025.7	2038.6	2039.9	2042.4	2023.0	2028.2
7.5°	1990.9	1990.9	1997.3	1994.7	2003.8	2001.1	2002.5	2012.8	2014.1	2008.9	2005.1
10°	1953.4	1948.4	1941.9	1941.9	1953.4	1954.7	1965.1	1966.4	1974.1	1953.4	1956.1
12.5°	1895.5	1892.8	1882.6	1887.8	1896.9	1891.6	1908.4	1909.7	1907.1	1898.1	1903.2
15°	1804.0	1814.4	1811.7	1810.5	1831.1	1828.4	1827.2	1831.1	1832.4	1827.2	1823.4
17.5°	1712.5	1721.5	1722.8	1725.4	1729.2	1733.1	1738.3	1752.5	1747.3	1743.4	1756.3
20°	1606.9	1602.9	1613.3	1623.6	1627.5	1627.5	1635.2	1645.5	1637.7	1632.7	1633.9
22.5°	1492.2	1498.6	1493.5	1503.7	1508.9	1515.4	1523.1	1532.2	1525.6	1511.6	1528.3
25°	1346.6	1350.5	1367.2	1365.9	1373.7	1389.1	1400.6	1400.6	1400.6	1399.4	1399.4
27.5°	1163.6	1161.1	1181.7	1195.8	1215.1	1239.7	1255.1	1279.5	1283.4	1279.5	1270.5
30°	967.7	965.1	990.9	1009.0	1043.8	1055.4	1097.9	1121.1	1145.5	1144.3	1137.8
32.5°	764.1	769.3	789.9	815.6	844.0	880.1	920.0	971.5	993.5	998.7	987.1
35°	568.3	576.0	595.3	617.2	652.0	692.0	747.3	796.4	833.7	833.7	824.6
37.5°	409.7	412.4	430.4	444.6	480.6	516.7	564.5	631.4	654.6	663.6	654.6
40°	279.6	279.6	289.9	305.4	335.0	365.9	409.7	460.0	493.5	507.8	492.2
42.5°	177.9	180.4	188.2	198.5	220.4	247.4	280.9	318.3	342.8	353.0	339.0
45°	106.9	109.5	116.0	123.7	137.9	154.6	177.9	204.9	225.5	234.5	228.0
47.5°	64.4	66.9	69.6	74.8	85.0	96.7	108.2	123.7	136.6	137.9	135.4
50°	37.3	37.3	40.0	43.8	49.0	55.4	61.9	70.9	74.8	79.9	74.8
52.5°	24.4	24.4	24.4	25.7	28.3	31.0	33.5	38.7	41.2	41.2	40.0
55°	18.1	18.1	18.1	18.1	19.4	19.4	19.4	20.6	21.9	21.9	21.9
57.5°	12.9	12.9	12.9	14.2	14.2	14.2	12.9	12.9	12.9	12.9	12.9
60°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	9.0	9.0	9.0
62.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
65°	5.2	5.2	5.2	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2
67.5°	3.8	3.8	3.8	5.2	5.2	5.2	5.2	5.2	3.8	3.8	3.8
70°	2.5	2.5	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P844144

CATALOG NUMBER: LD6C20DE010B2750 EU6C20B35 6LBSQLI

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0	2045.0
2.5°	2050.1	2043.7	2043.7	2043.7	2041.1	2043.7	2047.6	2041.1
5°	2028.2	2030.8	2019.2	2028.2	2032.0	2025.7	2041.1	2028.2
7.5°	2008.9	2005.1	1987.0	1999.9	2007.6	2010.1	2008.9	1998.6
10°	1970.3	1961.3	1953.4	1953.4	1950.9	1949.6	1963.8	1958.6
12.5°	1900.7	1907.1	1895.5	1901.9	1896.9	1898.1	1899.4	1896.9
15°	1841.4	1835.0	1819.4	1829.8	1823.4	1816.9	1829.8	1810.5
17.5°	1748.6	1747.3	1738.3	1731.9	1734.4	1733.1	1739.6	1730.6
20°	1639.1	1641.7	1636.5	1633.9	1630.1	1621.0	1628.8	1618.5
22.5°	1520.6	1523.1	1528.3	1517.9	1519.2	1506.4	1517.9	1506.4
25°	1400.6	1399.4	1393.0	1387.8	1373.7	1359.4	1356.8	1347.8
27.5°	1269.3	1260.3	1244.8	1228.0	1206.1	1186.8	1185.5	1179.1
30°	1124.9	1105.7	1077.3	1050.1	1016.7	987.1	987.1	976.7
32.5°	972.9	929.0	890.4	856.9	813.1	796.4	779.6	770.6
35°	791.2	752.5	706.1	650.8	630.1	588.9	591.4	570.8
37.5°	619.8	572.2	528.3	483.2	447.2	427.8	417.4	407.2
40°	460.0	413.6	365.9	336.3	304.1	287.4	280.9	278.4
42.5°	314.4	275.7	244.8	220.4	203.6	185.5	180.4	177.9
45°	204.9	183.0	154.6	135.4	123.7	113.5	113.5	109.5
47.5°	122.4	108.2	94.1	81.2	73.5	66.9	64.4	63.1
50°	68.2	60.6	52.9	47.7	42.5	38.7	37.3	37.3
52.5°	37.3	33.5	31.0	27.1	24.4	24.4	24.4	23.2
55°	19.4	19.4	19.4	19.4	18.1	18.1	18.1	16.8
57.5°	12.9	12.9	14.2	14.2	14.2	12.9	12.9	12.9
60°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
62.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
65°	5.2	6.5	6.5	6.5	6.5	5.2	5.2	5.2
67.5°	3.8	5.2	5.2	5.2	3.8	3.8	3.8	3.8
70°	3.8	3.8	3.8	3.8	3.8	2.5	2.5	2.5
72.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
75°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	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)