

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: P844127

Luminaire Tested: **LD6C20DE010B2750 EU6C20B30 6LBSQLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844127
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 EU6C20B30 6LBSQLI
Description:
Light Source: -
Ballast/Driver:

Summary

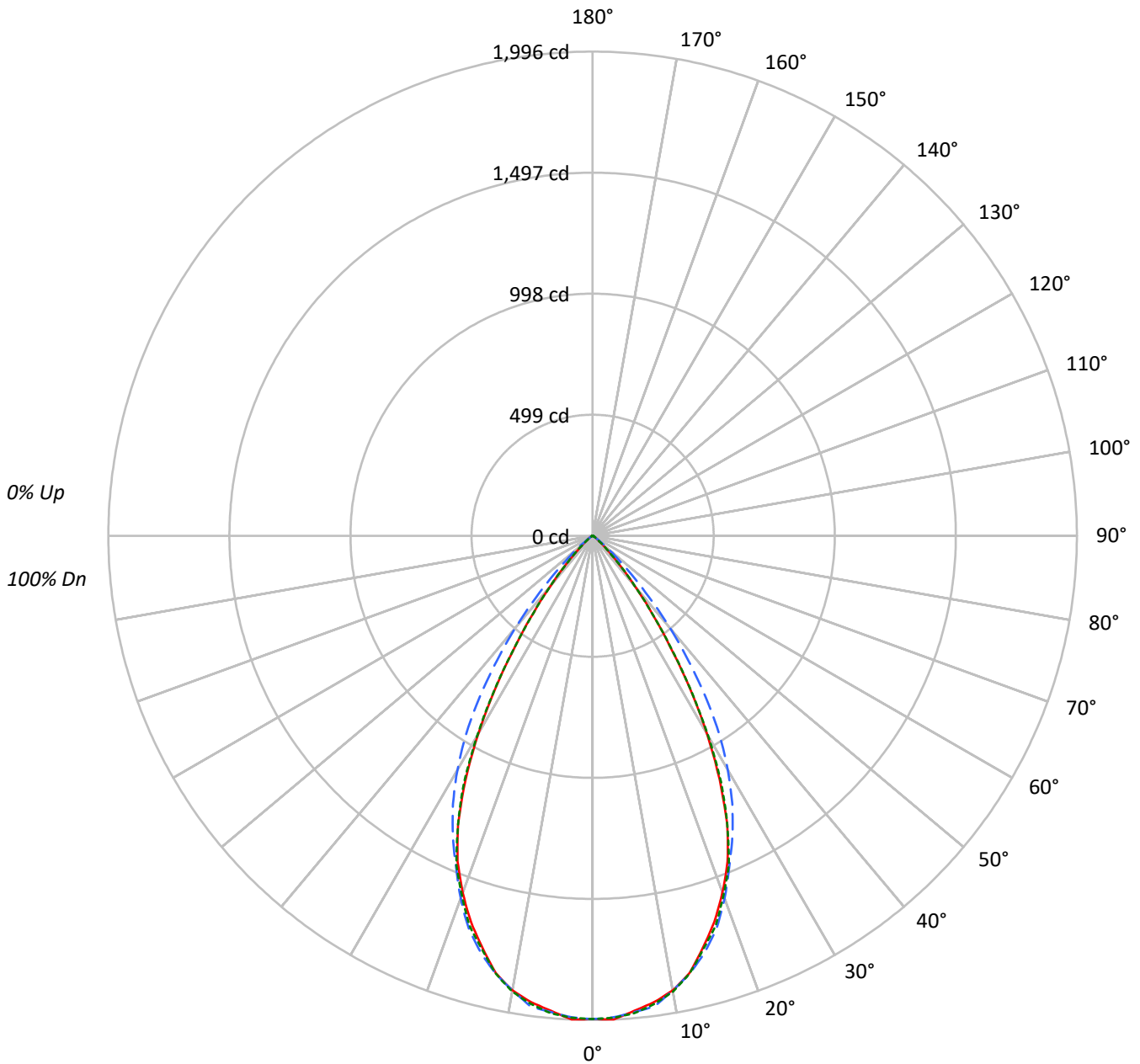
Lumens per Lamp: N/A
Luminaire Lumens: 1872.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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

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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°	85771	85771	85771
5°	84958	85178	85394
10°	83195	83195	83417
15°	78335	79338	78612
20°	71720	72875	72238
25°	62319	64761	62381
30°	46868	55414	47310
35°	29098	42690	29229
40°	15310	27793	15243
45°	6345	13907	6497
50°	2438	5211	2438
55°	1321	1606	1224
60°	861	758	861
65°	509	509	509
70°	315	466	315
75°	216	216	216
80°	322	322	322
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	10.0
10°-20°	496.1	26.5
20°-30°	608.9	32.5
30°-40°	420.3	22.5
40°-50°	131.4	7.0
50°-60°	20.5	1.1
60°-70°	5.9	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°	1291.5	69.0
0°-40°	1711.8	91.4
0°-60°	1863.7	99.6
0°-90°	1872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1966	1973	1971	1971	1976	186
15°	1757	1782	1780	1777	1764	492
25°	1312	1346	1363	1354	1313	588
35°	554	655	812	661	556	354
45°	104	142	228	141	107	93
55°	18	19	21	19	16	17
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1
2.5°	1995.9	1968.3	1985.8	1982.0	1992.1	1998.4	1992.1	2003.4	1995.9	1987.1	1989.6
5°	1965.7	1969.5	1968.3	1970.8	1973.2	1973.2	1985.8	1987.1	1989.6	1970.8	1975.8
7.5°	1939.4	1939.4	1945.7	1943.1	1952.0	1949.4	1950.7	1960.6	1961.9	1956.9	1953.1
10°	1902.9	1897.9	1891.7	1891.7	1902.9	1904.2	1914.2	1915.5	1923.0	1902.9	1905.5
12.5°	1846.5	1844.0	1833.9	1838.9	1847.8	1842.7	1859.0	1860.3	1857.7	1849.1	1854.0
15°	1757.4	1767.4	1764.9	1763.6	1783.7	1781.2	1779.9	1783.7	1785.0	1779.9	1776.2
17.5°	1668.3	1677.0	1678.3	1680.8	1684.5	1688.3	1693.4	1707.1	1702.0	1698.3	1710.9
20°	1565.3	1561.5	1571.6	1581.6	1585.4	1585.4	1592.9	1602.9	1595.4	1590.5	1591.6
22.5°	1453.6	1459.9	1454.9	1464.8	1469.9	1476.1	1483.6	1492.5	1486.2	1472.4	1488.7
25°	1311.8	1315.5	1331.9	1330.6	1338.1	1353.1	1364.5	1364.5	1364.5	1363.2	1363.2
27.5°	1133.5	1131.0	1151.1	1164.9	1183.7	1207.6	1222.6	1246.4	1250.2	1246.4	1237.6
30°	942.7	940.1	965.3	982.9	1016.8	1028.1	1069.5	1092.1	1115.9	1114.6	1108.4
32.5°	744.4	749.4	769.5	794.6	822.2	857.3	896.2	946.5	967.8	972.8	961.5
35°	553.6	561.1	579.9	601.3	635.2	674.1	728.0	775.8	812.2	812.2	803.4
37.5°	399.2	401.7	419.2	433.1	468.2	503.3	549.9	615.1	637.6	646.4	637.6
40°	272.4	272.4	282.4	297.5	326.4	356.5	399.2	448.1	480.8	494.5	479.5
42.5°	173.2	175.8	183.3	193.3	214.7	241.0	273.7	310.1	333.9	343.9	330.2
45°	104.2	106.7	113.0	120.5	134.3	150.7	173.2	199.6	219.7	228.4	222.2
47.5°	62.7	65.3	67.8	72.9	82.8	94.1	105.4	120.5	133.1	134.3	131.8
50°	36.4	36.4	38.9	42.6	47.7	54.0	60.3	69.0	72.9	77.8	72.9
52.5°	23.8	23.8	23.8	25.1	27.6	30.1	32.7	37.7	40.2	40.2	38.9
55°	17.6	17.6	17.6	17.6	18.8	18.8	18.8	20.1	21.4	21.4	21.4
57.5°	12.6	12.6	12.6	13.9	13.9	13.9	12.6	12.6	12.6	12.6	12.6
60°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.8	8.8	8.8
62.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
65°	5.0	5.0	5.0	6.2	6.2	6.2	6.2	5.0	5.0	5.0	5.0
67.5°	3.7	3.7	3.7	5.0	5.0	5.0	5.0	5.0	3.7	3.7	3.7
70°	2.5	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1	1992.1
2.5°	1997.1	1990.9	1990.9	1990.9	1988.4	1990.9	1994.6	1988.4
5°	1975.8	1978.3	1967.0	1975.8	1979.5	1973.2	1988.4	1975.8
7.5°	1956.9	1953.1	1935.6	1948.2	1955.7	1958.2	1956.9	1946.9
10°	1919.3	1910.5	1902.9	1902.9	1900.5	1899.2	1913.0	1908.0
12.5°	1851.5	1857.7	1846.5	1852.8	1847.8	1849.1	1850.2	1847.8
15°	1793.7	1787.5	1772.4	1782.4	1776.2	1769.9	1782.4	1763.6
17.5°	1703.3	1702.0	1693.4	1687.1	1689.6	1688.3	1694.6	1685.9
20°	1596.7	1599.1	1594.2	1591.6	1587.9	1579.0	1586.7	1576.6
22.5°	1481.2	1483.6	1488.7	1478.7	1479.9	1467.5	1478.7	1467.5
25°	1364.5	1363.2	1356.9	1352.0	1338.1	1324.3	1321.7	1313.1
27.5°	1236.4	1227.7	1212.6	1196.3	1174.9	1156.1	1154.8	1148.6
30°	1095.8	1077.0	1049.4	1023.0	990.5	961.5	961.5	951.6
32.5°	947.7	905.0	867.4	834.8	792.1	775.8	759.4	750.7
35°	770.8	733.0	687.9	633.9	613.9	573.7	576.2	556.1
37.5°	603.8	557.4	514.6	470.8	435.5	416.7	406.7	396.7
40°	448.1	403.0	356.5	327.5	296.2	280.0	273.7	271.2
42.5°	306.3	268.6	238.5	214.7	198.3	180.7	175.8	173.2
45°	199.6	178.2	150.7	131.8	120.5	110.5	110.5	106.7
47.5°	119.3	105.4	91.7	79.1	71.6	65.3	62.7	61.4
50°	66.5	59.0	51.5	46.4	41.5	37.7	36.4	36.4
52.5°	36.4	32.7	30.1	26.3	23.8	23.8	23.8	22.6
55°	18.8	18.8	18.8	18.8	17.6	17.6	17.6	16.3
57.5°	12.6	12.6	13.9	13.9	13.9	12.6	12.6	12.6
60°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
62.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
65°	5.0	6.2	6.2	6.2	6.2	5.0	5.0	5.0
67.5°	3.7	5.0	5.0	5.0	3.7	3.7	3.7	3.7
70°	3.7	3.7	3.7	3.7	3.7	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



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— 0°-180° - - 45°-225° - - - - 90°-270°









(END OF REPORT)