

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO COMMERCIAL

Report Number: P776201

Luminaire Tested: HCDJBL51525CSD-HCD8TSQC-2500lm-3000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2310613A001)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD8TSQC-2500lm-3000K
Description: 8 INCH SQUARE MEDIUM SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

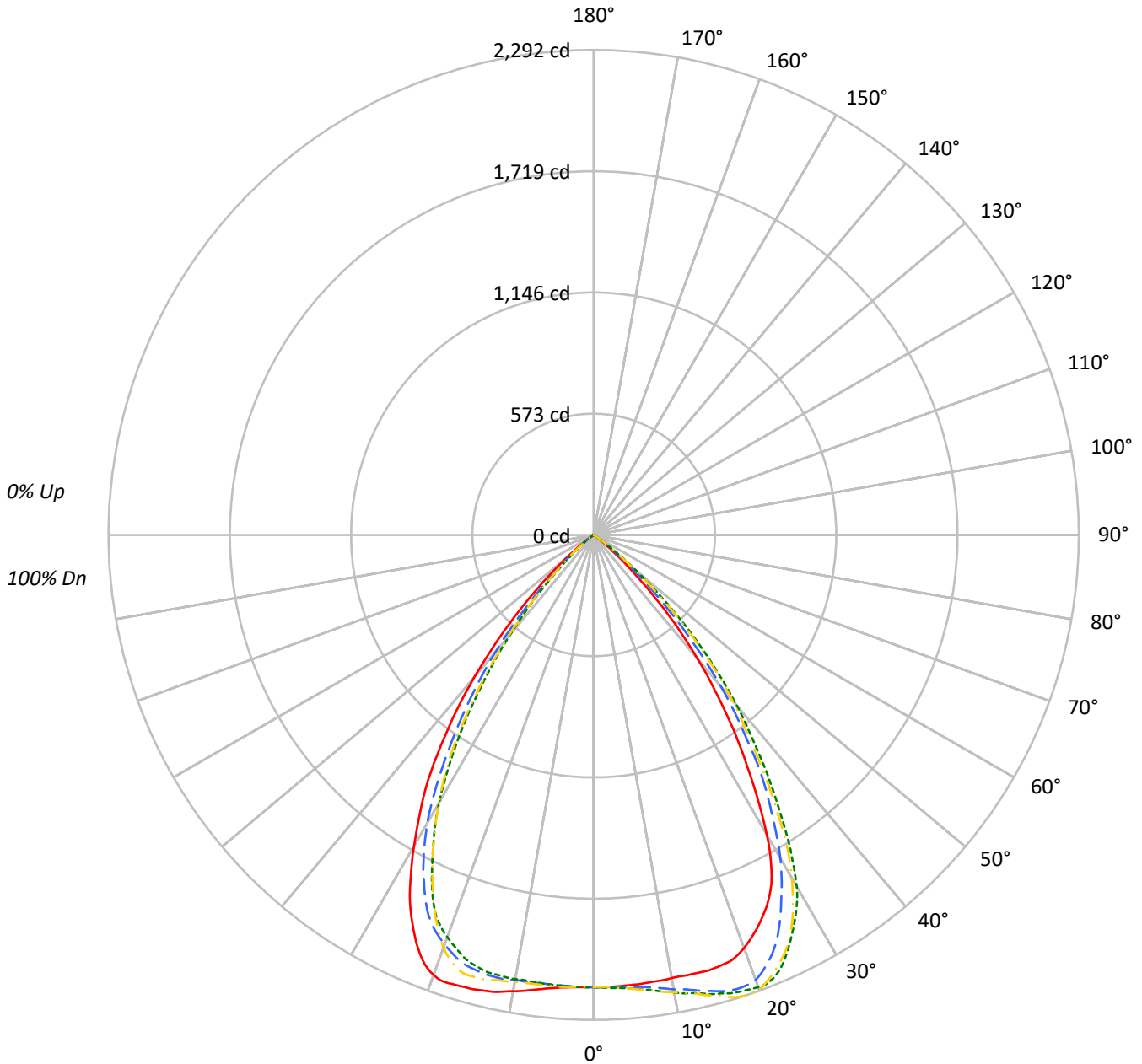
Lumens per Lamp: N/A
Luminaire Lumens: 2873.2 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.07
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): 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: 24 FT



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Luminous Intensity Polar Plot





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CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93					93			
2	107	102	98	94	105	100	96	93	97	94	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	82	80	78					78			
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72					72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66					66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61					61			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56					56			
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52					52			
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51254	51254	51254	51254
5°	51385	51830	51741	51389
10°	51786	53493	53325	51911
15°	52829	55740	55165	52491
20°	53012	58052	56457	51601
25°	51182	57375	53618	47843
30°	45336	53166	47020	40449
35°	34796	43379	38455	30259
40°	23914	32967	27386	19053
45°	12577	21411	15677	8925
50°	4219	9673	6025	2891
55°	301	2094	661	71
60°	48	58	48	34
65°	28	28	28	11
70°	14	14	14	14
75°	19	19	19	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 21638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.2	7.1
10°-20°	617.1	21.5
20°-30°	899.9	31.3
30°-40°	775.4	27.0
40°-50°	340.9	11.9
50°-60°	34.0	1.2
60°-70°	0.5	0.0
70°-80°	0.1	0.0
80°-90°	0.0	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°	1722.2	59.9
0°-40°	2497.6	86.9
0°-60°	2872.5	100.0
0°-90°	2873.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2873.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2138	2138	2138	2138	2138	
5°	2135	2153	2150	2135	2135	204
15°	2128	2245	2222	2114	2128	600
25°	1934	2169	2027	1808	1934	878
35°	1189	1482	1314	1034	1189	737
45°	371	631	462	263	371	296
55°	7	50	16	2	7	24
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
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°	202.5°	225°
0°	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5
0.5°	2138.0	2139.0	2139.4	2137.7	2138.5	2137.2	2136.2	2136.7	2137.5	2138.2	2138.2
1°	2138.0	2139.2	2139.7	2139.0	2139.2	2138.0	2136.5	2137.0	2137.7	2138.2	2138.2
1.5°	2138.0	2139.0	2139.4	2139.7	2140.7	2139.2	2137.2	2137.7	2137.7	2138.0	2137.7
2°	2137.5	2138.2	2139.2	2140.4	2142.2	2140.9	2139.2	2139.0	2138.5	2138.0	2137.5
2.5°	2137.5	2138.2	2139.4	2140.4	2143.4	2143.4	2140.9	2140.4	2139.9	2138.2	2136.7
3°	2136.7	2138.0	2139.7	2141.2	2144.4	2144.1	2143.4	2143.1	2140.9	2138.5	2136.2
3.5°	2136.2	2137.5	2140.4	2142.7	2145.6	2145.9	2145.4	2145.1	2142.4	2139.2	2135.7
4°	2135.5	2136.7	2141.2	2144.4	2147.8	2148.3	2147.8	2148.1	2144.6	2139.7	2135.2
4.5°	2135.2	2136.7	2142.4	2146.6	2150.3	2151.3	2150.8	2150.6	2147.1	2140.7	2134.3
5°	2134.8	2136.7	2143.9	2149.6	2153.3	2154.0	2154.3	2154.3	2149.6	2141.7	2134.3
5.5°	2134.3	2137.7	2145.9	2153.0	2156.2	2157.2	2157.5	2158.5	2152.8	2142.9	2134.0
6°	2133.5	2138.2	2148.1	2156.2	2159.7	2160.7	2161.4	2162.4	2156.0	2144.6	2134.0
6.5°	2132.5	2139.0	2151.1	2160.2	2163.6	2164.1	2165.6	2166.6	2159.9	2147.1	2134.3
7°	2131.5	2139.7	2154.3	2164.6	2167.8	2167.8	2169.6	2171.3	2164.1	2149.3	2134.3
7.5°	2130.8	2140.7	2158.0	2169.8	2172.0	2172.0	2173.3	2175.5	2168.3	2152.0	2134.3
8°	2130.6	2142.2	2161.7	2175.0	2176.5	2176.5	2178.2	2180.9	2173.0	2154.5	2134.5
8.5°	2130.1	2144.6	2165.9	2180.4	2181.2	2181.7	2182.9	2185.9	2177.7	2157.0	2135.0
9°	2129.6	2147.3	2170.8	2186.6	2186.6	2186.6	2187.3	2191.3	2182.2	2159.7	2135.2
9.5°	2128.3	2149.6	2176.2	2192.3	2191.3	2191.8	2191.8	2196.2	2186.4	2162.2	2135.2
10°	2126.9	2151.8	2180.7	2198.5	2197.0	2197.5	2196.7	2200.4	2190.1	2164.6	2136.5
10.5°	2125.9	2153.5	2184.6	2203.9	2202.4	2202.9	2201.4	2204.4	2193.8	2168.1	2139.4
11°	2125.9	2155.7	2188.3	2208.1	2207.6	2207.8	2205.6	2208.1	2197.7	2173.0	2141.9
11.5°	2126.9	2159.0	2192.3	2212.0	2211.5	2212.0	2209.6	2212.3	2203.6	2177.5	2142.7
12°	2127.3	2163.1	2197.7	2216.5	2214.5	2216.5	2214.5	2218.5	2208.3	2181.7	2141.9
12.5°	2127.3	2167.3	2204.4	2221.4	2218.5	2221.2	2220.4	2224.4	2212.0	2182.4	2140.7
13°	2127.1	2169.8	2211.1	2227.6	2223.6	2226.9	2227.8	2229.1	2213.8	2183.6	2140.4
13.5°	2127.6	2171.3	2217.2	2233.3	2230.3	2233.3	2236.0	2231.8	2215.0	2186.1	2139.7
14°	2128.6	2172.5	2221.7	2237.2	2236.7	2240.4	2242.7	2233.5	2217.2	2188.6	2138.0
14.5°	2128.8	2174.3	2226.6	2239.5	2241.7	2245.9	2248.1	2236.2	2219.9	2190.3	2135.0
15°	2128.1	2175.5	2232.3	2241.4	2245.4	2249.6	2254.0	2240.4	2222.2	2191.5	2131.8
15.5°	2126.1	2175.5	2238.0	2245.4	2249.3	2252.3	2261.9	2243.9	2222.7	2191.8	2128.1
16°	2124.1	2173.5	2243.2	2248.8	2254.3	2256.2	2270.8	2246.1	2222.9	2192.8	2124.9
16.5°	2121.9	2170.6	2246.6	2250.3	2259.5	2260.9	2278.7	2246.9	2223.4	2193.5	2121.2
17°	2119.4	2167.1	2248.8	2250.3	2263.4	2264.1	2284.6	2245.9	2224.4	2194.3	2116.0
17.5°	2116.7	2164.1	2250.1	2249.6	2265.9	2265.6	2288.3	2244.9	2225.4	2193.3	2109.3
18°	2112.8	2160.9	2250.1	2248.6	2267.6	2265.4	2290.3	2244.1	2226.9	2188.8	2100.2
18.5°	2106.1	2157.7	2249.1	2247.4	2269.3	2265.4	2291.6	2242.9	2227.4	2181.7	2090.1
19°	2097.5	2153.5	2247.4	2246.4	2271.3	2266.4	2292.5	2241.4	2225.4	2170.6	2080.4
19.5°	2087.8	2148.1	2244.1	2245.1	2273.0	2268.1	2291.1	2237.5	2220.2	2158.7	2070.3
20°	2077.5	2140.9	2237.7	2243.2	2275.0	2269.8	2287.1	2231.1	2212.5	2145.6	2059.4
20.5°	2066.1	2133.0	2228.1	2239.5	2275.8	2270.3	2279.2	2223.6	2204.1	2131.3	2048.1
21°	2053.8	2124.6	2215.7	2233.3	2274.0	2268.3	2268.3	2215.0	2192.8	2114.5	2036.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	2013.8	2093.8	2171.5	2207.6	2251.3	2258.7	2232.8	2188.1	2143.6	2058.4	1994.2
23°	1998.9	2079.7	2154.8	2198.5	2239.5	2252.5	2219.2	2176.7	2123.1	2037.2	1977.2
23.5°	1983.6	2063.4	2135.7	2186.9	2225.1	2244.6	2204.6	2164.1	2101.2	2015.0	1958.2
24°	1968.1	2044.9	2115.0	2174.5	2207.8	2233.8	2189.3	2149.3	2076.7	1991.3	1936.2
24.5°	1951.8	2023.6	2091.5	2160.4	2188.3	2220.7	2173.3	2132.3	2052.3	1966.1	1912.0
25°	1934.5	2000.9	2066.8	2143.4	2168.6	2204.1	2155.2	2112.0	2026.6	1938.7	1884.4
25.5°	1916.0	1976.7	2039.7	2123.9	2147.6	2185.1	2135.7	2089.6	2001.2	1911.5	1857.0
26°	1896.5	1951.0	2011.5	2101.2	2125.9	2163.4	2113.5	2064.4	1972.8	1880.9	1829.3
26.5°	1874.2	1924.1	1981.9	2076.0	2102.7	2138.7	2090.1	2036.5	1943.6	1850.0	1801.6
27°	1849.8	1894.2	1951.5	2047.1	2079.9	2111.5	2063.4	2005.6	1913.7	1819.4	1774.0
27.5°	1820.9	1862.9	1921.6	2014.7	2057.0	2083.6	2035.7	1973.8	1878.4	1788.8	1741.1
28°	1789.5	1830.0	1891.5	1978.9	2033.0	2051.0	2004.9	1940.4	1843.1	1758.2	1708.8
28.5°	1755.2	1796.2	1862.1	1941.2	2008.3	2017.5	1972.3	1908.8	1807.8	1725.6	1675.9
29°	1718.2	1762.9	1830.8	1903.4	1982.1	1982.6	1939.9	1872.8	1772.5	1692.0	1641.6
29.5°	1678.4	1728.3	1798.7	1865.6	1953.0	1946.3	1907.8	1836.5	1736.9	1658.2	1607.1
30°	1637.4	1694.2	1764.8	1827.1	1920.2	1907.3	1871.3	1800.2	1698.2	1621.9	1571.2
30.5°	1592.2	1660.6	1727.8	1789.5	1878.9	1868.3	1834.7	1764.1	1660.1	1585.6	1534.0
31°	1546.3	1627.8	1688.3	1751.8	1837.7	1829.3	1798.4	1722.6	1623.6	1547.5	1492.2
31.5°	1499.1	1593.0	1648.0	1714.5	1796.5	1790.3	1761.9	1680.6	1585.8	1509.3	1448.3
32°	1454.0	1554.2	1608.0	1678.2	1755.2	1751.0	1716.2	1637.4	1548.8	1470.7	1403.6
32.5°	1407.8	1513.2	1569.0	1640.4	1710.5	1713.7	1669.3	1595.2	1512.5	1432.7	1359.9
33°	1363.6	1470.0	1531.7	1601.1	1663.4	1673.5	1620.9	1553.5	1475.9	1393.7	1314.2
33.5°	1319.4	1424.1	1494.9	1561.4	1616.9	1633.2	1573.2	1509.5	1436.9	1353.2	1270.5
34°	1276.2	1376.2	1458.9	1521.1	1570.8	1587.8	1528.3	1465.3	1397.7	1311.0	1225.8
34.5°	1232.7	1330.7	1420.4	1478.9	1525.8	1539.6	1483.1	1421.9	1356.9	1265.8	1183.1
35°	1188.7	1285.5	1379.4	1436.2	1481.9	1489.0	1438.1	1380.4	1313.7	1220.4	1138.9
35.5°	1147.0	1241.6	1336.2	1393.7	1437.9	1439.1	1391.0	1337.4	1268.5	1174.9	1096.9
36°	1101.3	1198.6	1290.0	1350.5	1393.5	1388.0	1344.8	1295.7	1223.8	1130.2	1053.2
36.5°	1055.6	1154.9	1241.3	1306.5	1347.8	1338.4	1296.9	1252.5	1180.1	1088.5	1010.2
37°	1011.7	1110.2	1195.2	1261.6	1303.1	1289.5	1251.5	1210.5	1137.6	1047.3	966.8
37.5°	968.7	1067.5	1151.2	1219.6	1259.1	1245.0	1208.3	1169.5	1096.6	1005.5	924.0
38°	927.5	1025.3	1108.5	1176.6	1215.9	1203.8	1168.2	1130.2	1053.4	963.3	882.5
38.5°	889.2	982.3	1067.5	1135.2	1173.9	1164.5	1130.0	1088.0	1009.2	921.1	842.0
39°	847.7	938.6	1025.3	1092.7	1133.9	1127.0	1092.9	1045.5	964.5	879.1	802.5
39.5°	806.0	895.6	982.1	1046.8	1094.2	1089.5	1055.2	1000.1	919.1	835.1	762.3
40°	764.0	853.4	937.4	997.1	1053.2	1052.9	1016.9	956.1	874.9	790.9	721.3
40.5°	722.3	811.4	893.4	949.2	1011.4	1013.9	977.1	911.9	829.2	745.7	679.6
41°	680.6	769.2	847.5	904.3	968.0	974.4	936.9	870.0	786.5	701.3	637.6
41.5°	640.5	727.0	801.6	861.8	924.8	935.4	896.4	828.2	744.5	658.1	595.6
42°	601.5	685.0	755.4	819.6	880.6	895.1	854.6	787.7	702.5	614.9	553.4
42.5°	563.3	642.3	709.4	777.4	837.4	854.6	812.9	746.2	661.0	573.6	512.1
43°	523.3	599.3	663.5	735.4	795.6	812.2	769.9	705.0	619.1	533.9	472.1
43.5°	484.0	555.4	621.0	692.9	753.2	769.0	726.7	663.3	577.6	494.9	432.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	370.9	431.6	499.5	570.4	631.4	638.1	601.3	543.8	462.3	383.2	324.2
45.5°	335.3	394.4	463.2	531.2	590.2	594.9	559.6	505.5	426.0	349.2	292.4
46°	301.3	359.5	426.7	492.6	548.7	552.1	518.8	467.4	392.4	317.1	262.7
46.5°	268.7	325.7	391.4	453.9	509.2	510.4	479.1	429.4	358.3	286.2	238.8
47°	238.0	293.9	357.3	416.8	470.2	468.9	439.8	392.6	326.4	258.8	214.8
47.5°	209.6	264.2	324.5	380.3	432.4	429.7	400.8	356.8	295.1	235.3	190.6
48°	184.2	237.1	292.4	346.2	395.1	392.4	364.7	323.0	265.7	211.6	166.7
48.5°	162.5	211.6	262.5	314.1	357.6	356.1	329.4	290.4	239.5	188.2	148.2
49°	143.7	188.2	235.1	283.2	321.8	321.0	295.8	262.7	213.6	164.7	131.4
49.5°	127.4	166.7	209.2	252.9	287.4	288.2	267.7	235.1	187.4	145.0	116.3
50°	113.1	147.2	185.0	223.0	259.3	260.3	239.3	207.4	161.5	127.4	102.2
50.5°	99.5	128.9	162.7	195.1	231.1	232.6	211.1	179.8	140.3	110.6	88.2
51°	86.7	111.9	141.7	169.2	203.2	204.7	183.0	152.1	121.2	95.1	75.1
51.5°	75.3	97.3	123.0	145.9	175.1	177.1	154.6	131.4	104.2	80.3	63.5
52°	64.0	83.0	105.4	125.4	147.4	149.1	132.9	112.1	88.2	66.7	51.9
52.5°	52.6	71.1	89.4	106.4	126.4	126.7	112.8	95.1	73.1	54.6	42.0
53°	41.2	59.3	76.5	89.6	107.2	107.2	95.1	79.3	59.8	44.2	32.3
53.5°	29.9	47.2	64.0	76.5	90.1	89.6	78.8	64.9	48.6	34.1	22.5
54°	17.5	35.3	51.4	63.7	74.1	73.3	64.5	52.8	37.8	24.0	12.8
54.5°	8.9	22.7	38.8	50.6	59.8	59.8	52.1	43.0	26.7	13.8	3.5
55°	7.2	12.1	26.2	37.8	50.1	48.6	42.2	32.8	15.8	4.0	2.5
55.5°	5.4	10.1	14.3	24.7	40.7	37.8	32.3	23.0	5.2	2.7	2.0
56°	3.7	7.9	6.4	12.8	31.1	26.9	22.7	13.1	3.0	2.2	1.7
56.5°	2.2	5.9	4.9	5.4	21.7	15.8	12.8	3.2	2.5	2.0	1.5
57°	2.0	4.0	4.0	4.2	12.1	4.9	3.2	2.5	2.0	1.7	1.2
57.5°	1.7	2.0	3.0	3.5	2.7	2.7	2.5	2.2	1.7	1.5	1.2
58°	1.5	1.7	1.7	2.5	2.2	2.2	2.0	2.0	1.5	1.2	1.0
58.5°	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.5	1.2	1.0
59°	1.2	1.2	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.0	1.0
59.5°	1.2	1.2	1.2	1.2	1.5	1.5	1.5	1.2	1.2	1.0	0.7
60°	1.0	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	0.7
60.5°	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.0	0.7	0.7
61°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7
61.5°	0.7	1.0	0.7	0.7	1.0	1.0	1.0	1.0	0.7	0.7	0.7
62°	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	0.7	0.7	0.5
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5
63.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5
64°	0.5	0.7	0.5	0.5	0.7	0.7	0.7	0.7	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2



TEST NUMBER: P776201

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2
68°	0.5	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
74°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0
74.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
75.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	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
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776201
CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
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: P776201

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2137.5	2137.5	2137.5	2137.5	2137.5	2137.5
0.5°	2137.0	2138.5	2137.0	2136.2	2136.7	2138.0
1°	2137.0	2138.2	2137.5	2136.5	2137.5	2138.0
1.5°	2136.7	2138.2	2137.7	2137.0	2137.5	2138.0
2°	2136.2	2138.0	2138.0	2137.7	2137.7	2137.5
2.5°	2135.2	2137.5	2138.5	2138.5	2138.0	2137.5
3°	2134.5	2137.0	2139.0	2139.7	2138.5	2136.7
3.5°	2133.5	2136.7	2139.7	2139.9	2138.5	2136.2
4°	2132.5	2136.5	2139.9	2140.9	2138.5	2135.5
4.5°	2131.3	2135.5	2140.4	2141.2	2138.2	2135.2
5°	2130.3	2135.0	2140.4	2141.2	2138.0	2134.8
5.5°	2129.6	2134.3	2139.9	2141.2	2137.0	2134.3
6°	2128.6	2133.5	2139.7	2140.7	2136.7	2133.5
6.5°	2126.9	2132.8	2139.7	2140.7	2136.2	2132.5
7°	2125.6	2132.3	2139.9	2140.9	2135.7	2131.5
7.5°	2123.9	2131.5	2140.9	2141.9	2135.5	2130.8
8°	2122.2	2131.3	2140.9	2142.4	2135.7	2130.6
8.5°	2120.2	2130.6	2140.7	2142.4	2135.5	2130.1
9°	2117.7	2129.8	2140.9	2142.4	2134.5	2129.6
9.5°	2115.7	2130.6	2142.9	2142.9	2133.8	2128.3
10°	2115.0	2132.0	2145.6	2145.4	2133.8	2126.9
10.5°	2115.5	2133.0	2148.1	2148.3	2135.0	2125.9
11°	2115.0	2132.5	2149.8	2150.3	2136.7	2125.9
11.5°	2113.5	2131.0	2150.6	2151.5	2137.0	2126.9
12°	2111.5	2129.3	2151.8	2152.0	2136.0	2127.3
12.5°	2111.3	2128.6	2154.8	2155.0	2135.0	2127.3
13°	2111.3	2128.1	2158.7	2158.7	2134.5	2127.1
13.5°	2110.8	2126.9	2162.2	2161.4	2134.5	2127.6
14°	2109.3	2123.9	2163.4	2163.1	2133.0	2128.6
14.5°	2106.6	2119.2	2164.1	2163.6	2130.1	2128.8
15°	2104.1	2114.5	2164.4	2164.1	2126.1	2128.1
15.5°	2101.2	2109.8	2164.4	2164.4	2122.7	2126.1
16°	2098.2	2104.6	2163.1	2164.1	2118.7	2124.1
16.5°	2095.2	2098.2	2159.2	2161.9	2114.8	2121.9
17°	2089.6	2089.3	2151.8	2156.5	2109.3	2119.4
17.5°	2081.4	2078.7	2140.9	2148.1	2101.9	2116.7
18°	2071.3	2067.3	2127.3	2137.0	2093.3	2112.8
18.5°	2059.4	2056.7	2112.3	2124.4	2083.4	2106.1
19°	2047.6	2045.6	2095.2	2109.8	2073.5	2097.5
19.5°	2035.0	2034.2	2076.2	2093.5	2063.9	2087.8
20°	2021.2	2022.2	2055.2	2074.5	2054.0	2077.5
20.5°	2007.1	2010.1	2032.3	2054.0	2043.6	2066.1
21°	1991.5	1996.5	2007.1	2030.5	2033.0	2053.8



TEST NUMBER: P776201

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1944.4	1946.1	1926.6	1953.3	1995.5	2013.8
23°	1927.3	1923.6	1897.0	1924.6	1979.7	1998.9
23.5°	1909.8	1898.4	1867.6	1895.0	1961.9	1983.6
24°	1891.5	1870.3	1836.9	1864.9	1940.4	1968.1
24.5°	1873.7	1840.7	1805.6	1833.7	1915.7	1951.8
25°	1850.8	1808.3	1773.0	1802.4	1887.6	1934.5
25.5°	1827.8	1775.2	1742.4	1770.8	1857.7	1916.0
26°	1805.1	1741.9	1711.5	1737.9	1825.8	1896.5
26.5°	1781.9	1708.0	1677.4	1705.3	1793.0	1874.2
27°	1749.5	1673.2	1644.1	1672.0	1758.9	1849.8
27.5°	1714.5	1638.9	1611.0	1637.7	1724.6	1820.9
28°	1674.2	1605.1	1576.7	1602.6	1690.0	1789.5
28.5°	1634.2	1571.2	1541.1	1568.8	1655.5	1755.2
29°	1593.5	1535.9	1504.6	1534.5	1620.1	1718.2
29.5°	1553.0	1500.6	1468.3	1498.9	1582.4	1678.4
30°	1510.3	1460.9	1433.2	1463.6	1544.1	1637.4
30.5°	1466.5	1419.9	1397.9	1426.8	1503.8	1592.2
31°	1422.6	1377.9	1362.3	1391.7	1462.3	1546.3
31.5°	1378.4	1335.9	1326.8	1356.4	1418.6	1499.1
32°	1334.4	1291.0	1290.0	1319.9	1374.9	1454.0
32.5°	1290.2	1248.3	1253.2	1280.9	1330.5	1407.8
33°	1246.0	1206.3	1213.4	1240.1	1286.0	1363.6
33.5°	1204.1	1165.0	1169.5	1198.1	1241.3	1319.4
34°	1161.6	1123.1	1123.3	1154.2	1201.3	1276.2
34.5°	1118.6	1080.1	1075.6	1108.7	1159.1	1232.7
35°	1073.9	1033.7	1031.4	1062.8	1116.4	1188.7
35.5°	1029.0	988.0	986.8	1017.4	1071.7	1147.0
36°	985.5	942.8	944.3	973.2	1027.5	1101.3
36.5°	942.8	896.9	900.1	930.0	979.6	1055.6
37°	902.5	855.9	856.6	888.0	935.9	1011.7
37.5°	863.5	814.9	813.4	844.8	893.2	968.7
38°	823.0	773.6	769.9	801.6	852.4	927.5
38.5°	780.8	732.7	726.7	758.3	811.4	889.2
39°	736.9	691.7	683.3	715.1	770.4	847.7
39.5°	695.4	650.2	642.0	671.9	729.4	806.0
40°	654.4	608.7	600.8	631.7	688.5	764.0
40.5°	616.3	570.4	559.6	591.4	647.0	722.3
41°	578.1	532.9	522.0	551.7	608.4	680.6
41.5°	540.8	495.4	482.8	512.6	568.7	640.5
42°	501.8	459.3	447.9	475.1	530.9	601.5
42.5°	463.7	424.0	413.4	438.8	493.4	563.3
43°	426.2	388.9	381.0	404.5	457.6	523.3
43.5°	390.2	354.4	350.2	371.9	421.3	484.0



TEST NUMBER: P776201

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	289.9	263.2	266.9	283.5	317.1	370.9
45.5°	262.7	236.3	242.5	257.8	286.0	335.3
46°	235.8	211.1	219.5	233.4	256.3	301.3
46.5°	208.9	188.2	197.3	210.4	227.9	268.7
47°	182.0	167.4	177.3	189.2	202.2	238.0
47.5°	155.1	148.4	158.0	168.4	179.0	209.6
48°	138.3	131.4	140.3	149.6	158.3	184.2
48.5°	123.7	116.3	123.5	132.1	140.0	162.5
49°	110.6	102.7	107.4	115.8	124.0	143.7
49.5°	98.0	89.6	92.6	100.7	109.1	127.4
50°	86.2	77.5	80.3	85.9	95.8	113.1
50.5°	74.1	65.7	67.9	73.8	83.2	99.5
51°	62.5	53.6	55.3	61.7	72.1	86.7
51.5°	51.9	41.7	43.0	49.6	60.7	75.3
52°	42.0	29.6	30.6	37.8	49.6	64.0
52.5°	32.3	17.0	18.3	25.7	38.3	52.6
53°	22.7	8.1	8.9	14.1	25.4	41.2
53.5°	12.8	6.4	7.2	6.2	14.3	29.9
54°	3.5	4.7	5.2	5.2	6.7	17.5
54.5°	2.5	3.2	3.5	4.0	5.4	8.9
55°	2.0	1.7	1.7	3.0	4.2	7.2
55.5°	1.7	1.5	1.5	1.7	3.2	5.4
56°	1.5	1.2	1.5	1.7	2.0	3.7
56.5°	1.2	1.2	1.2	1.5	1.7	2.2
57°	1.2	1.0	1.2	1.2	1.5	2.0
57.5°	1.0	1.0	1.0	1.2	1.5	1.7
58°	1.0	1.0	1.0	1.2	1.2	1.5
58.5°	1.0	0.7	1.0	1.0	1.2	1.5
59°	0.7	0.7	0.7	1.0	1.2	1.2
59.5°	0.7	0.7	0.7	1.0	1.0	1.2
60°	0.7	0.7	0.7	0.7	1.0	1.0
60.5°	0.7	0.7	0.7	0.7	1.0	1.0
61°	0.7	0.5	0.7	0.7	0.7	1.0
61.5°	0.5	0.5	0.5	0.7	0.7	0.7
62°	0.5	0.5	0.5	0.7	0.7	0.7
62.5°	0.5	0.5	0.5	0.5	0.7	0.7
63°	0.5	0.5	0.5	0.5	0.7	0.7
63.5°	0.5	0.5	0.5	0.5	0.5	0.7
64°	0.5	0.5	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.2	0.5	0.5	0.5	0.5
65.5°	0.2	0.2	0.2	0.5	0.5	0.5
66°	0.2	0.2	0.2	0.5	0.5	0.5



TEST NUMBER: P776201

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.5
68°	0.2	0.2	0.2	0.2	0.2	0.5
68.5°	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.0	0.0	0.2	0.2	0.2	0.2
74°	0.0	0.0	0.0	0.2	0.2	0.2
74.5°	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.2	0.2
75.5°	0.0	0.0	0.0	0.0	0.0	0.2
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	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
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776201

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°

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Scaled Data Report



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Scaled Data Report





21.5°	2040.9	2116.0	2201.9	2224.6	2268.8	2265.6	2257.2	2207.1	2179.2	2096.7	2023.4
22°	2027.8	2105.9	2187.3	2216.2	2260.9	2262.4	2245.4	2198.2	2162.4	2078.2	2009.8



44°	445.2	512.6	579.1	650.4	712.7	725.7	684.3	622.5	538.1	456.3	394.8
44.5°	407.7	470.9	538.8	609.4	672.4	682.0	642.0	581.8	499.5	418.6	358.5



66.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2
67°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	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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21.5°	1976.5	1981.4	1981.9	2005.6	2021.4	2040.9
22°	1960.2	1964.9	1954.2	1979.9	2009.1	2027.8



44°	356.1	322.0	320.8	341.0	384.7	445.2
44.5°	322.7	292.1	293.1	311.4	350.4	407.7



66.5°	0.2	0.2	0.2	0.5	0.5	0.5
67°	0.2	0.2	0.2	0.2	0.5	0.5

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89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

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(END OF REPORT)