

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: P776204

Luminaire Tested: HCDJBL51525CSD-HCD8TSQC-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776204
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-5000K
Description: 8 INCH SQUARE MEDIUM SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

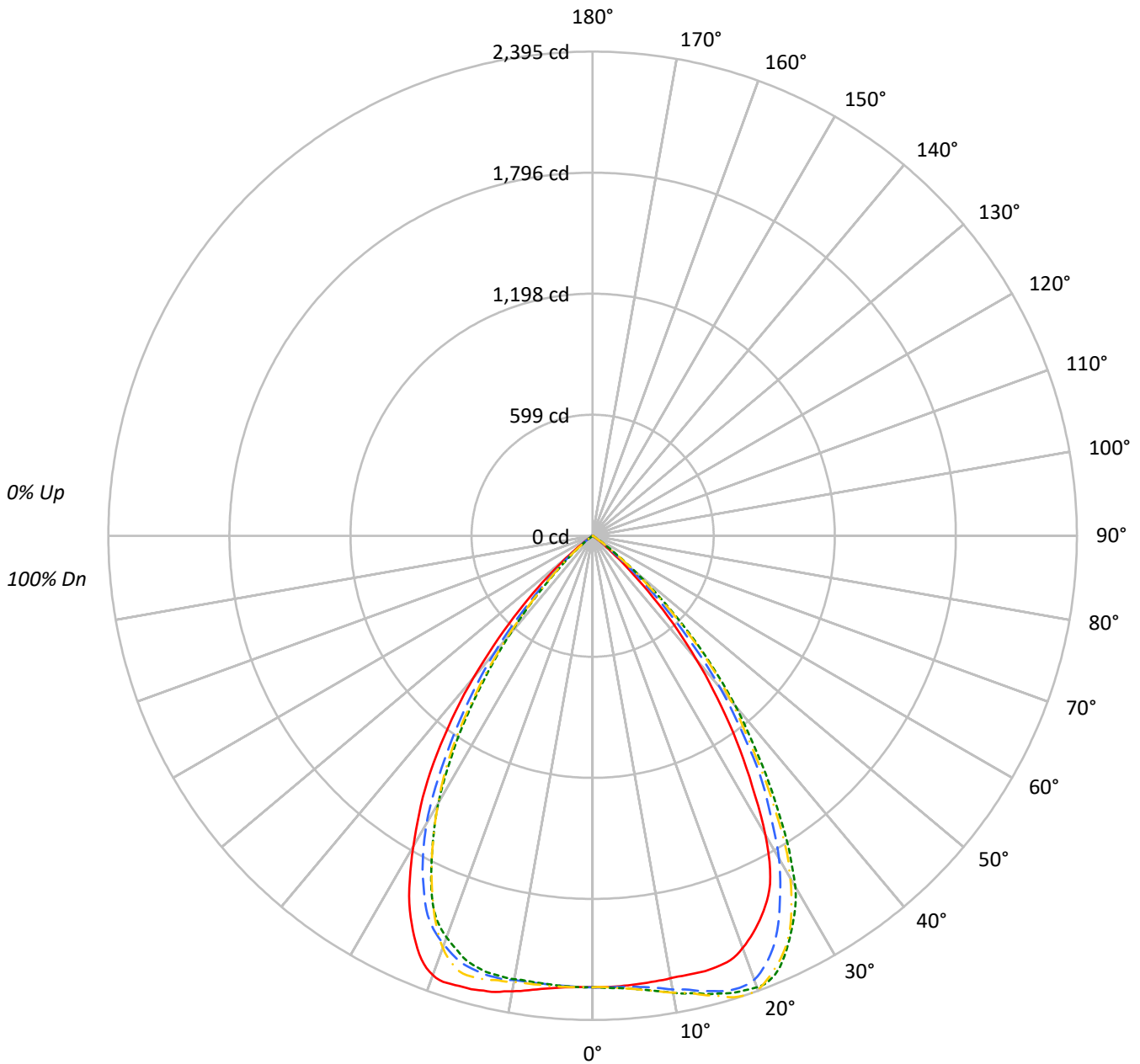
Lumens per Lamp: N/A
Luminaire Lumens: 3001.7 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.07
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P776204
CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-5000K

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								
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93								
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85								
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	82	80	78								
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72								
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66								
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61								
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56								
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52								
9	71	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48								
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	53544	53544	53544	53544
5°	53681	54148	54054	53688
10°	54102	55884	55709	54233
15°	55189	58233	57630	54839
20°	55383	60647	58983	53908
25°	53470	59942	56015	49983
30°	47363	55542	49121	42257
35°	36353	45316	40173	31611
40°	24985	34441	28610	19905
45°	13140	22367	16375	9325
50°	4409	10106	6293	3022
55°	314	2191	690	75
60°	48	62	48	38
65°	28	28	28	17
70°	21	21	21	21
75°	28	28	28	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 112.5°
 Vertical Angle: 45°
 Luminance: 22605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	7.1
10°-20°	644.7	21.5
20°-30°	940.2	31.3
30°-40°	810.1	27.0
40°-50°	356.2	11.9
50°-60°	35.5	1.2
60°-70°	0.6	0.0
70°-80°	0.2	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°	1799.3	59.9
0°-40°	2609.3	86.9
0°-60°	3001.0	100.0
0°-90°	3001.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3001.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2233	2233	2233	2233	2233	
5°	2230	2250	2246	2230	2230	213
15°	2223	2346	2322	2209	2223	627
25°	2021	2266	2117	1889	2021	917
35°	1242	1548	1372	1080	1242	770
45°	388	660	483	275	388	310
55°	8	52	16	2	8	25
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	



TEST NUMBER: P776204

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0
0.5°	2233.6	2234.6	2235.1	2233.3	2234.1	2232.8	2231.8	2232.3	2233.0	2233.8	2233.8
1°	2233.6	2234.9	2235.4	2234.6	2234.9	2233.6	2232.0	2232.5	2233.3	2233.8	2233.8
1.5°	2233.6	2234.6	2235.1	2235.4	2236.4	2234.9	2232.8	2233.3	2233.3	2233.6	2233.3
2°	2233.0	2233.8	2234.9	2236.1	2237.9	2236.7	2234.9	2234.6	2234.1	2233.6	2233.0
2.5°	2233.0	2233.8	2235.1	2236.1	2239.2	2239.2	2236.7	2236.1	2235.6	2233.8	2232.3
3°	2232.3	2233.6	2235.4	2236.9	2240.3	2240.0	2239.2	2239.0	2236.7	2234.1	2231.8
3.5°	2231.8	2233.0	2236.1	2238.5	2241.6	2241.8	2241.3	2241.0	2238.2	2234.9	2231.2
4°	2231.0	2232.3	2236.9	2240.3	2243.9	2244.4	2243.9	2244.1	2240.5	2235.4	2230.7
4.5°	2230.7	2232.3	2238.2	2242.6	2246.5	2247.5	2247.0	2246.7	2243.1	2236.4	2229.7
5°	2230.2	2232.3	2239.8	2245.7	2249.6	2250.3	2250.6	2250.6	2245.7	2237.4	2229.7
5.5°	2229.7	2233.3	2241.8	2249.3	2252.7	2253.7	2253.9	2255.0	2249.0	2238.7	2229.4
6°	2228.9	2233.8	2244.1	2252.7	2256.3	2257.3	2258.1	2259.1	2252.4	2240.5	2229.4
6.5°	2227.9	2234.6	2247.2	2256.8	2260.4	2260.9	2262.5	2263.5	2256.5	2243.1	2229.7
7°	2226.9	2235.4	2250.6	2261.4	2264.8	2264.8	2266.6	2268.4	2260.9	2245.4	2229.7
7.5°	2226.1	2236.4	2254.5	2266.8	2269.2	2269.2	2270.5	2272.8	2265.3	2248.3	2229.7
8°	2225.8	2237.9	2258.3	2272.3	2273.8	2273.8	2275.6	2278.5	2270.2	2250.8	2230.0
8.5°	2225.3	2240.5	2262.7	2277.9	2278.7	2279.2	2280.5	2283.6	2275.1	2253.4	2230.5
9°	2224.8	2243.4	2267.9	2284.4	2284.4	2284.4	2285.2	2289.3	2279.7	2256.3	2230.7
9.5°	2223.5	2245.7	2273.5	2290.3	2289.3	2289.8	2289.8	2294.4	2284.1	2258.8	2230.7
10°	2222.0	2248.0	2278.2	2296.8	2295.2	2295.7	2295.0	2298.8	2288.0	2261.4	2232.0
10.5°	2220.9	2249.8	2282.3	2302.4	2300.9	2301.4	2299.9	2303.0	2291.9	2265.0	2235.1
11°	2220.9	2252.1	2286.2	2306.8	2306.3	2306.6	2304.2	2306.8	2296.0	2270.2	2237.7
11.5°	2222.0	2255.5	2290.3	2311.0	2310.4	2311.0	2308.4	2311.2	2302.2	2274.8	2238.5
12°	2222.5	2259.9	2296.0	2315.6	2313.5	2315.6	2313.5	2317.7	2307.1	2279.2	2237.7
12.5°	2222.5	2264.3	2303.0	2320.8	2317.7	2320.5	2319.7	2323.9	2311.0	2280.0	2236.4
13°	2222.2	2266.8	2309.9	2327.2	2323.1	2326.4	2327.5	2328.8	2312.8	2281.3	2236.1
13.5°	2222.7	2268.4	2316.4	2333.1	2330.0	2333.1	2336.0	2331.6	2314.1	2283.9	2235.4
14°	2223.8	2269.7	2321.0	2337.3	2336.8	2340.6	2342.9	2333.4	2316.4	2286.4	2233.6
14.5°	2224.0	2271.5	2326.2	2339.6	2341.9	2346.3	2348.6	2336.2	2319.2	2288.3	2230.5
15°	2223.2	2272.8	2332.1	2341.7	2345.8	2350.2	2354.8	2340.6	2321.5	2289.5	2227.1
15.5°	2221.2	2272.8	2338.0	2345.8	2349.9	2353.0	2363.1	2344.2	2322.0	2289.8	2223.2
16°	2219.1	2270.7	2343.5	2349.4	2355.1	2357.1	2372.4	2346.6	2322.3	2290.8	2219.9
16.5°	2216.8	2267.6	2347.1	2350.9	2360.5	2362.0	2380.6	2347.3	2322.8	2291.6	2216.0
17°	2214.2	2264.0	2349.4	2350.9	2364.6	2365.4	2386.8	2346.3	2323.9	2292.4	2210.6
17.5°	2211.4	2260.9	2350.7	2350.2	2367.2	2366.9	2390.7	2345.3	2324.9	2291.3	2203.6
18°	2207.2	2257.6	2350.7	2349.1	2369.0	2366.7	2392.7	2344.5	2326.4	2286.7	2194.1
18.5°	2200.3	2254.2	2349.7	2347.8	2370.8	2366.7	2394.0	2343.2	2327.0	2279.2	2183.5
19°	2191.3	2249.8	2347.8	2346.8	2372.9	2367.7	2395.1	2341.7	2324.9	2267.6	2173.5
19.5°	2181.2	2244.1	2344.5	2345.5	2374.7	2369.5	2393.5	2337.5	2319.5	2255.2	2162.9
20°	2170.4	2236.7	2337.8	2343.5	2376.7	2371.3	2389.4	2330.8	2311.5	2241.6	2151.5
20.5°	2158.5	2228.4	2327.7	2339.6	2377.5	2371.8	2381.1	2323.1	2302.7	2226.6	2139.7
21°	2145.6	2219.6	2314.8	2333.1	2375.7	2369.8	2369.8	2314.1	2290.8	2209.1	2127.3



TEST NUMBER: P776204

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	2103.8	2187.4	2268.6	2306.3	2352.0	2359.7	2332.6	2285.9	2239.5	2150.5	2083.4
23°	2088.3	2172.7	2251.1	2296.8	2339.6	2353.3	2318.4	2274.1	2218.1	2128.3	2065.6
23.5°	2072.3	2155.7	2231.2	2284.6	2324.6	2345.0	2303.2	2260.9	2195.1	2105.1	2045.8
24°	2056.1	2136.3	2209.6	2271.7	2306.6	2333.7	2287.2	2245.4	2169.6	2080.3	2022.8
24.5°	2039.0	2114.1	2185.1	2257.0	2286.2	2320.0	2270.5	2227.6	2144.0	2054.0	1997.5
25°	2021.0	2090.4	2159.3	2239.2	2265.6	2302.7	2251.6	2206.5	2117.2	2025.4	1968.6
25.5°	2001.6	2065.1	2130.9	2218.9	2243.6	2282.8	2231.2	2183.0	2090.6	1997.0	1940.0
26°	1981.3	2038.3	2101.5	2195.1	2220.9	2260.1	2208.0	2156.7	2061.0	1965.0	1911.1
26.5°	1958.0	2010.2	2070.5	2168.8	2196.7	2234.3	2183.5	2127.5	2030.5	1932.8	1882.2
27°	1932.5	1978.9	2038.8	2138.6	2172.9	2206.0	2155.7	2095.3	1999.3	1900.8	1853.3
27.5°	1902.3	1946.2	2007.6	2104.8	2148.9	2176.8	2126.8	2062.0	1962.4	1868.8	1819.0
28°	1869.6	1911.9	1976.1	2067.4	2123.9	2142.8	2094.5	2027.2	1925.5	1836.8	1785.2
28.5°	1833.7	1876.5	1945.4	2028.0	2098.1	2107.7	2060.5	1994.2	1888.6	1802.7	1750.9
29°	1795.0	1841.7	1912.6	1988.5	2070.8	2071.3	2026.7	1956.5	1851.8	1767.7	1715.0
29.5°	1753.5	1805.6	1879.1	1949.0	2040.3	2033.4	1993.1	1918.6	1814.6	1732.3	1678.9
30°	1710.6	1770.0	1843.8	1908.8	2006.0	1992.6	1954.9	1880.7	1774.1	1694.4	1641.5
30.5°	1663.4	1734.9	1805.1	1869.6	1962.9	1951.9	1916.8	1843.0	1734.4	1656.5	1602.6
31°	1615.5	1700.6	1763.8	1830.1	1919.9	1911.1	1878.8	1799.6	1696.2	1616.7	1559.0
31.5°	1566.2	1664.2	1721.7	1791.1	1876.8	1870.3	1840.7	1755.8	1656.7	1576.8	1513.0
32°	1519.0	1623.7	1679.9	1753.2	1833.7	1829.3	1792.9	1710.6	1618.0	1536.5	1466.3
32.5°	1470.7	1580.9	1639.2	1713.7	1787.0	1790.4	1743.9	1666.5	1580.1	1496.8	1420.7
33°	1424.5	1535.7	1600.2	1672.7	1737.7	1748.3	1693.4	1622.9	1541.9	1456.0	1373.0
33.5°	1378.4	1487.8	1561.8	1631.2	1689.2	1706.3	1643.6	1577.0	1501.2	1413.7	1327.3
34°	1333.2	1437.7	1524.1	1589.1	1641.0	1658.8	1596.6	1530.8	1460.1	1369.6	1280.6
34.5°	1287.8	1390.2	1483.9	1545.0	1594.0	1608.5	1549.4	1485.4	1417.6	1322.4	1236.0
35°	1241.9	1343.0	1441.1	1500.4	1548.1	1555.6	1502.5	1442.1	1372.4	1274.9	1189.8
35.5°	1198.3	1297.1	1395.9	1456.0	1502.2	1503.5	1453.2	1397.2	1325.2	1227.5	1145.9
36°	1150.6	1252.2	1347.7	1410.9	1455.8	1450.1	1404.9	1353.6	1278.5	1180.8	1100.3
36.5°	1102.9	1206.6	1296.8	1365.0	1408.0	1398.2	1354.9	1308.5	1232.9	1137.2	1055.4
37°	1056.9	1159.9	1248.6	1318.0	1361.3	1347.2	1307.4	1264.6	1188.5	1094.1	1010.0
37.5°	1012.0	1115.2	1202.7	1274.1	1315.4	1300.7	1262.3	1221.8	1145.7	1050.5	965.3
38°	969.0	1071.1	1158.1	1229.3	1270.3	1257.6	1220.5	1180.8	1100.5	1006.4	922.0
38.5°	929.0	1026.2	1115.2	1185.9	1226.4	1216.6	1180.5	1136.6	1054.4	962.3	879.7
39°	885.6	980.6	1071.1	1141.5	1184.6	1177.4	1141.8	1092.3	1007.7	918.4	838.4
39.5°	842.0	935.7	1026.0	1093.6	1143.1	1138.2	1102.3	1044.8	960.2	872.5	796.4
40°	798.2	891.6	979.3	1041.7	1100.3	1100.0	1062.3	998.9	914.0	826.3	753.6
40.5°	754.6	847.7	933.4	991.7	1056.7	1059.3	1020.8	952.7	866.3	779.1	710.0
41°	711.0	803.6	885.4	944.7	1011.3	1018.0	978.8	908.9	821.7	732.7	666.1
41.5°	669.2	759.5	837.4	900.3	966.1	977.2	936.5	865.3	777.8	687.5	622.2
42°	628.4	715.6	789.2	856.2	919.9	935.2	892.9	822.9	733.9	642.4	578.1
42.5°	588.4	671.0	741.2	812.1	874.8	892.9	849.3	779.6	690.6	599.3	535.0
43°	546.7	626.1	693.2	768.3	831.2	848.5	804.4	736.5	646.7	557.7	493.3
43.5°	505.6	580.2	648.8	723.9	786.8	803.3	759.2	692.9	603.4	517.0	452.0



TEST NUMBER: P776204

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	387.5	450.9	521.9	595.9	659.6	666.6	628.2	568.1	482.9	400.4	338.7
45.5°	350.3	412.0	484.0	554.9	616.6	621.5	584.6	528.1	445.0	364.8	305.4
46°	314.7	375.6	445.8	514.7	573.2	576.8	542.0	488.3	409.9	331.2	274.5
46.5°	280.7	340.3	408.9	474.2	531.9	533.2	500.5	448.6	374.3	299.0	249.5
47°	248.7	307.0	373.3	435.5	491.2	489.9	459.5	410.2	341.0	270.4	224.4
47.5°	219.0	276.0	339.0	397.3	451.7	448.9	418.7	372.8	308.3	245.9	199.2
48°	192.5	247.7	305.4	361.7	412.8	409.9	381.0	337.4	277.6	221.1	174.1
48.5°	169.7	221.1	274.2	328.1	373.6	372.0	344.1	303.4	250.2	196.6	154.8
49°	150.1	196.6	245.6	295.9	336.1	335.4	309.1	274.5	223.1	172.1	137.2
49.5°	133.1	174.1	218.5	264.2	300.3	301.1	279.6	245.6	195.8	151.4	121.5
50°	118.2	153.8	193.2	233.0	270.9	271.9	250.0	216.7	168.7	133.1	106.8
50.5°	104.0	134.7	170.0	203.8	241.5	243.0	220.6	187.8	146.5	115.6	92.1
51°	90.5	116.9	148.1	176.7	212.3	213.9	191.2	158.9	126.7	99.3	78.4
51.5°	78.7	101.6	128.5	152.5	182.9	185.0	161.5	137.2	108.9	83.8	66.3
52°	66.8	86.7	110.2	131.1	154.0	155.8	138.8	117.1	92.1	69.7	54.2
52.5°	54.9	74.3	93.4	111.2	132.1	132.3	117.9	99.3	76.4	57.0	43.9
53°	43.1	61.9	80.0	93.6	112.0	112.0	99.3	82.8	62.4	46.2	33.8
53.5°	31.2	49.3	66.8	80.0	94.2	93.6	82.3	67.8	50.8	35.6	23.5
54°	18.3	36.9	53.7	66.6	77.4	76.6	67.3	55.2	39.5	25.0	13.4
54.5°	9.3	23.7	40.5	52.9	62.4	62.4	54.4	44.9	27.9	14.4	3.6
55°	7.5	12.6	27.3	39.5	52.4	50.8	44.1	34.3	16.5	4.1	2.6
55.5°	5.7	10.6	15.0	25.8	42.6	39.5	33.8	24.0	5.4	2.8	2.1
56°	3.9	8.3	6.7	13.4	32.5	28.1	23.7	13.7	3.1	2.3	1.8
56.5°	2.3	6.2	5.2	5.7	22.7	16.5	13.4	3.4	2.6	2.1	1.5
57°	2.1	4.1	4.1	4.4	12.6	5.2	3.4	2.6	2.1	1.8	1.3
57.5°	1.8	2.1	3.1	3.6	2.8	2.8	2.6	2.3	1.8	1.5	1.3
58°	1.5	1.8	1.8	2.6	2.3	2.3	2.1	2.1	1.5	1.3	1.0
58.5°	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.5	1.3	1.0
59°	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.0	1.0
59.5°	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.3	1.3	1.0	0.8
60°	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.0	1.0	0.8
60.5°	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.0	0.8	0.8
61°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8
61.5°	0.8	1.0	0.8	0.8	1.0	1.0	1.0	1.0	0.8	0.8	0.8
62°	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.8	0.8	0.5
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5
63.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5
64°	0.5	0.8	0.5	0.5	0.8	0.8	0.8	0.8	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	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	0.3



TEST NUMBER: P776204

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQC-2500lm-5000K

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	0.3	0.3
68°	0.5	0.5	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
74°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0
74.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
75.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	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: P776204
CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-5000K

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: P776204

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2233.0	2233.0	2233.0	2233.0	2233.0	2233.0
0.5°	2232.5	2234.1	2232.5	2231.8	2232.3	2233.6
1°	2232.5	2233.8	2233.0	2232.0	2233.0	2233.6
1.5°	2232.3	2233.8	2233.3	2232.5	2233.0	2233.6
2°	2231.8	2233.6	2233.6	2233.3	2233.3	2233.0
2.5°	2230.7	2233.0	2234.1	2234.1	2233.6	2233.0
3°	2230.0	2232.5	2234.6	2235.4	2234.1	2232.3
3.5°	2228.9	2232.3	2235.4	2235.6	2234.1	2231.8
4°	2227.9	2232.0	2235.6	2236.7	2234.1	2231.0
4.5°	2226.6	2231.0	2236.1	2236.9	2233.8	2230.7
5°	2225.6	2230.5	2236.1	2236.9	2233.6	2230.2
5.5°	2224.8	2229.7	2235.6	2236.9	2232.5	2229.7
6°	2223.8	2228.9	2235.4	2236.4	2232.3	2228.9
6.5°	2222.0	2228.1	2235.4	2236.4	2231.8	2227.9
7°	2220.7	2227.6	2235.6	2236.7	2231.2	2226.9
7.5°	2218.9	2226.9	2236.7	2237.7	2231.0	2226.1
8°	2217.1	2226.6	2236.7	2238.2	2231.2	2225.8
8.5°	2215.0	2225.8	2236.4	2238.2	2231.0	2225.3
9°	2212.4	2225.0	2236.7	2238.2	2230.0	2224.8
9.5°	2210.3	2225.8	2238.7	2238.7	2229.2	2223.5
10°	2209.6	2227.4	2241.6	2241.3	2229.2	2222.0
10.5°	2210.1	2228.4	2244.1	2244.4	2230.5	2220.9
11°	2209.6	2227.9	2245.9	2246.5	2232.3	2220.9
11.5°	2208.0	2226.3	2246.7	2247.8	2232.5	2222.0
12°	2206.0	2224.5	2248.0	2248.3	2231.5	2222.5
12.5°	2205.7	2223.8	2251.1	2251.4	2230.5	2222.5
13°	2205.7	2223.2	2255.2	2255.2	2230.0	2222.2
13.5°	2205.2	2222.0	2258.8	2258.1	2230.0	2222.7
14°	2203.6	2218.9	2260.1	2259.9	2228.4	2223.8
14.5°	2200.8	2214.0	2260.9	2260.4	2225.3	2224.0
15°	2198.2	2209.1	2261.2	2260.9	2221.2	2223.2
15.5°	2195.1	2204.2	2261.2	2261.2	2217.6	2221.2
16°	2192.0	2198.7	2259.9	2260.9	2213.4	2219.1
16.5°	2188.9	2192.0	2255.7	2258.6	2209.3	2216.8
17°	2183.0	2182.7	2248.0	2252.9	2203.6	2214.2
17.5°	2174.5	2171.6	2236.7	2244.1	2195.9	2211.4
18°	2163.9	2159.8	2222.5	2232.5	2186.9	2207.2
18.5°	2151.5	2148.7	2206.7	2219.4	2176.5	2200.3
19°	2139.1	2137.1	2188.9	2204.2	2166.2	2191.3
19.5°	2126.0	2125.2	2169.1	2187.1	2156.2	2181.2
20°	2111.5	2112.6	2147.1	2167.3	2145.9	2170.4
20.5°	2096.8	2099.9	2123.1	2145.9	2135.0	2158.5
21°	2080.6	2085.7	2096.8	2121.3	2123.9	2145.6

TEST NUMBER: P776204

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	2031.3	2033.1	2012.7	2040.6	2084.7	2103.8
23°	2013.5	2009.6	1981.8	2010.7	2068.2	2088.3
23.5°	1995.2	1983.3	1951.1	1979.7	2049.6	2072.3
24°	1976.1	1953.9	1919.1	1948.2	2027.2	2056.1
24.5°	1957.5	1923.0	1886.3	1915.7	2001.4	2039.0
25°	1933.5	1889.2	1852.3	1883.0	1972.0	2021.0
25.5°	1909.5	1854.6	1820.3	1850.0	1940.8	2001.6
26°	1885.8	1819.8	1788.0	1815.6	1907.5	1981.3
26.5°	1861.6	1784.4	1752.4	1781.6	1873.2	1958.0
27°	1827.8	1748.1	1717.6	1746.8	1837.6	1932.5
27.5°	1791.1	1712.2	1683.0	1710.9	1801.7	1902.3
28°	1749.1	1676.8	1647.2	1674.3	1765.6	1869.6
28.5°	1707.3	1641.5	1610.0	1638.9	1729.5	1833.7
29°	1664.7	1604.6	1571.9	1603.1	1692.6	1795.0
29.5°	1622.4	1567.7	1533.9	1565.9	1653.1	1753.5
30°	1577.8	1526.2	1497.3	1529.0	1613.1	1710.6
30.5°	1532.1	1483.4	1460.4	1490.6	1571.1	1663.4
31°	1486.2	1439.5	1423.3	1454.0	1527.7	1615.5
31.5°	1440.0	1395.7	1386.1	1417.1	1482.1	1566.2
32°	1394.1	1348.7	1347.7	1378.9	1436.4	1519.0
32.5°	1347.9	1304.1	1309.2	1338.1	1390.0	1470.7
33°	1301.8	1260.2	1267.7	1295.6	1343.5	1424.5
33.5°	1257.9	1217.1	1221.8	1251.7	1296.8	1378.4
34°	1213.5	1173.3	1173.5	1205.8	1255.1	1333.2
34.5°	1168.6	1128.4	1123.7	1158.3	1210.9	1287.8
35°	1121.9	1079.9	1077.6	1110.3	1166.3	1241.9
35.5°	1075.0	1032.2	1030.9	1062.9	1119.6	1198.3
36°	1029.6	985.0	986.5	1016.7	1073.4	1150.6
36.5°	985.0	937.0	940.3	971.5	1023.4	1102.9
37°	942.9	894.1	894.9	927.7	977.7	1056.9
37.5°	902.1	851.3	849.8	882.5	933.1	1012.0
38°	859.8	808.2	804.4	837.4	890.5	969.0
38.5°	815.7	765.4	759.2	792.2	847.7	929.0
39°	769.8	722.6	713.8	747.1	804.9	885.6
39.5°	726.5	679.3	670.7	702.0	762.1	842.0
40°	683.6	635.9	627.7	659.9	719.2	798.2
40.5°	643.9	595.9	584.6	617.9	675.9	754.6
41°	603.9	556.7	545.4	576.3	635.7	711.0
41.5°	565.0	517.5	504.3	535.6	594.1	669.2
42°	524.2	479.8	468.0	496.3	554.6	628.4
42.5°	484.5	442.9	431.9	458.4	515.4	588.4
43°	445.3	406.3	398.1	422.6	478.0	546.7
43.5°	407.6	370.2	365.8	388.5	440.1	505.6



TEST NUMBER: P776204

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	302.9	275.0	278.9	296.2	331.2	387.5
45.5°	274.5	246.9	253.3	269.3	298.7	350.3
46°	246.4	220.6	229.3	243.8	267.8	314.7
46.5°	218.2	196.6	206.1	219.8	238.1	280.7
47°	190.1	174.9	185.2	197.6	211.3	248.7
47.5°	162.0	155.0	165.1	175.9	187.0	219.0
48°	144.5	137.2	146.5	156.3	165.4	192.5
48.5°	129.2	121.5	129.0	138.0	146.3	169.7
49°	115.6	107.3	112.2	121.0	129.5	150.1
49.5°	102.4	93.6	96.7	105.3	114.0	133.1
50°	90.0	81.0	83.8	89.8	100.1	118.2
50.5°	77.4	68.6	70.9	77.1	86.9	104.0
51°	65.3	56.0	57.8	64.5	75.3	90.5
51.5°	54.2	43.6	44.9	51.9	63.5	78.7
52°	43.9	31.0	32.0	39.5	51.9	66.8
52.5°	33.8	17.8	19.1	26.8	40.0	54.9
53°	23.7	8.5	9.3	14.7	26.6	43.1
53.5°	13.4	6.7	7.5	6.4	15.0	31.2
54°	3.6	4.9	5.4	5.4	7.0	18.3
54.5°	2.6	3.4	3.6	4.1	5.7	9.3
55°	2.1	1.8	1.8	3.1	4.4	7.5
55.5°	1.8	1.5	1.5	1.8	3.4	5.7
56°	1.5	1.3	1.5	1.8	2.1	3.9
56.5°	1.3	1.3	1.3	1.5	1.8	2.3
57°	1.3	1.0	1.3	1.3	1.5	2.1
57.5°	1.0	1.0	1.0	1.3	1.5	1.8
58°	1.0	1.0	1.0	1.3	1.3	1.5
58.5°	1.0	0.8	1.0	1.0	1.3	1.5
59°	0.8	0.8	0.8	1.0	1.3	1.3
59.5°	0.8	0.8	0.8	1.0	1.0	1.3
60°	0.8	0.8	0.8	0.8	1.0	1.0
60.5°	0.8	0.8	0.8	0.8	1.0	1.0
61°	0.8	0.5	0.8	0.8	0.8	1.0
61.5°	0.5	0.5	0.5	0.8	0.8	0.8
62°	0.5	0.5	0.5	0.8	0.8	0.8
62.5°	0.5	0.5	0.5	0.5	0.8	0.8
63°	0.5	0.5	0.5	0.5	0.8	0.8
63.5°	0.5	0.5	0.5	0.5	0.5	0.8
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	0.3	0.5	0.5	0.5	0.5
65.5°	0.3	0.3	0.3	0.5	0.5	0.5
66°	0.3	0.3	0.3	0.5	0.5	0.5



TEST NUMBER: P776204

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQC-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.3	0.3	0.3	0.3	0.3	0.5
68°	0.3	0.3	0.3	0.3	0.3	0.5
68.5°	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.0	0.0	0.3	0.3	0.3	0.3
74°	0.0	0.0	0.0	0.3	0.3	0.3
74.5°	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.3	0.3
75.5°	0.0	0.0	0.0	0.0	0.0	0.3
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: P776204

CATALOG NUMBER: HCDJBL1525CSD-HCD8TSQC-2500lm-5000K

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

Signify Classified - Internal
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°	2132.2	2210.6	2300.4	2324.1	2370.3	2366.9	2358.2	2305.8	2276.6	2190.5	2113.9
22°	2118.5	2200.0	2285.2	2315.3	2362.0	2363.6	2345.8	2296.5	2259.1	2171.1	2099.7



44°	465.1	535.6	605.0	679.5	744.5	758.2	714.9	650.4	562.1	476.7	412.5
44.5°	425.9	492.0	562.9	636.7	702.5	712.5	670.7	607.8	521.9	437.3	374.6



66.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3
67°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.3



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°	2064.8	2070.0	2070.5	2095.3	2111.8	2132.2
22°	2047.8	2052.7	2041.6	2068.5	2098.9	2118.5

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44°	372.0	336.4	335.1	356.3	401.9	465.1
44.5°	337.2	305.2	306.2	325.3	366.1	425.9

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Scaled Data Report



66.5°	0.3	0.3	0.3	0.5	0.5	0.5
67°	0.3	0.3	0.3	0.3	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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Scaled Data Report



(END OF REPORT)