

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: P776103

Luminaire Tested: HCDJBS1525CSD-HCD6TSQC-2500lm-4000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776103
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-HCD6TSQC-2500lm-4000K
Description: 6 INCH SQUARE MEDIUM SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 4000K CCT
Ballast/Driver: -

Summary

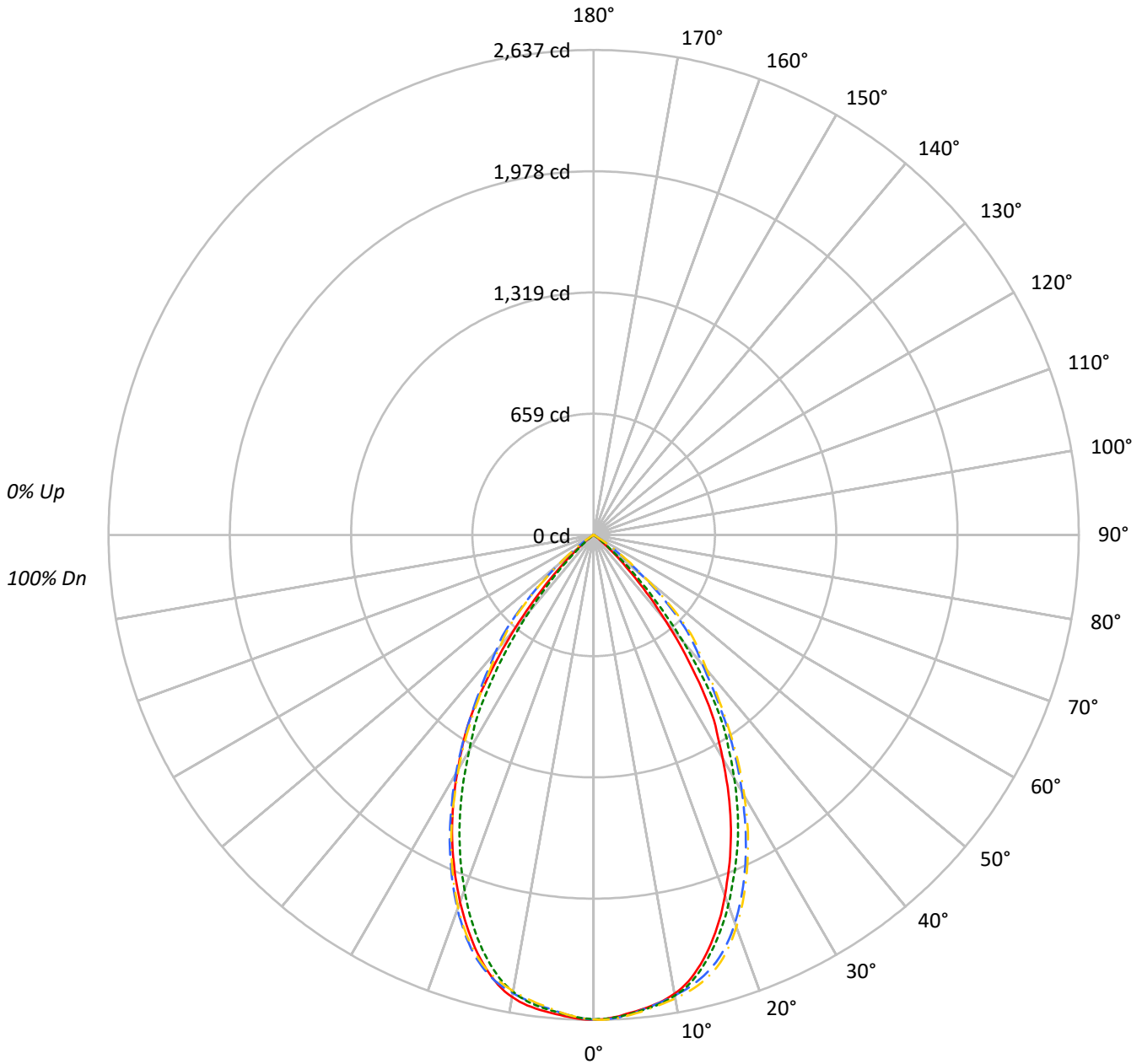
Lumens per Lamp: N/A
Luminaire Lumens: 2874.0 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.99
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')

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: P776103
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

Luminous Intensity Polar Plot





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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	86	83	80	79					79			
4	96	87	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72					72			
5	90	81	75	70	89	80	74	70	78	73	69	77	72	69	75	71	68	67					67			
6	85	76	69	65	84	75	69	64	73	68	64	72	67	64	71	66	63	62					62			
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57					57			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53					53			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49					49			
10	69	58	52	48	68	58	52	48	57	51	48	56	51	48	55	51	47	46					46			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	113456	113456	113456	113456
5°	112394	112636	112800	112238
10°	110725	111215	111547	110314
15°	105254	106431	106225	104086
20°	95624	98094	97278	94107
25°	83854	87925	86533	81911
30°	69603	75922	73496	67366
35°	54264	62606	58354	50885
40°	34206	42351	37635	30879
45°	16550	22615	18870	14151
50°	5024	7917	5941	4039
55°	668	608	593	518
60°	456	482	482	396
65°	387	387	418	336
70°	315	352	352	252
75°	299	299	299	250
80°	248	248	248	198
85°	148	247	148	148

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 135°
 Vertical Angle: 45°
 Luminance: 43853 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.4	8.6
10°-20°	667.7	23.2
20°-30°	844.1	29.4
30°-40°	713.2	24.8
40°-50°	344.3	12.0
50°-60°	51.6	1.8
60°-70°	4.3	0.2
70°-80°	1.9	0.1
80°-90°	0.4	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°	1758.2	61.2
0°-40°	2471.4	86.0
0°-60°	2867.3	99.8
0°-90°	2874.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2874.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2635	2635	2635	2635	2635	
5°	2600	2606	2610	2597	2600	246
15°	2361	2388	2383	2335	2361	658
25°	1765	1851	1822	1724	1765	803
35°	1032	1191	1110	968	1032	631
45°	272	371	310	232	272	221
55°	9	8	8	7	9	17
65°	4	4	4	3	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
0.5°	2635.3	2635.6	2635.3	2635.6	2632.8	2634.6	2636.3	2637.9	2636.1	2634.3	2633.5
1°	2633.8	2635.1	2635.1	2635.6	2632.5	2635.1	2636.6	2637.4	2635.6	2632.0	2631.0
1.5°	2631.3	2633.5	2634.1	2635.1	2631.5	2634.1	2636.3	2636.1	2633.8	2629.5	2628.0
2°	2628.5	2631.5	2632.5	2634.1	2629.2	2632.8	2635.1	2633.5	2630.8	2625.9	2624.1
2.5°	2624.4	2629.2	2630.2	2632.0	2626.7	2630.5	2632.8	2630.8	2628.0	2621.9	2619.8
3°	2620.6	2625.4	2626.9	2629.5	2623.6	2627.7	2629.7	2626.9	2624.4	2617.3	2614.5
3.5°	2615.2	2621.3	2622.9	2625.9	2619.8	2623.9	2625.9	2623.6	2620.6	2612.7	2609.4
4°	2609.9	2616.5	2618.3	2621.6	2615.2	2620.3	2621.6	2619.3	2616.5	2607.9	2603.3
4.5°	2604.8	2610.9	2613.0	2617.0	2610.9	2615.5	2617.3	2615.5	2613.7	2603.0	2597.4
5°	2600.5	2605.6	2606.9	2611.9	2606.1	2610.7	2612.2	2611.9	2609.9	2598.5	2591.6
5.5°	2595.7	2600.5	2601.0	2606.3	2601.8	2605.8	2607.1	2607.9	2606.1	2593.6	2586.3
6°	2590.6	2595.7	2594.1	2600.2	2597.2	2601.0	2602.0	2603.5	2602.0	2588.5	2581.4
6.5°	2585.2	2590.8	2588.0	2594.4	2592.4	2596.2	2596.4	2599.0	2598.7	2583.5	2575.6
7°	2580.4	2585.2	2581.9	2588.8	2587.3	2590.8	2591.3	2594.7	2594.1	2577.6	2569.7
7.5°	2573.8	2579.4	2575.6	2582.7	2581.9	2585.2	2586.0	2589.6	2589.1	2571.3	2563.6
8°	2568.0	2573.5	2569.7	2576.3	2575.8	2579.7	2580.9	2584.5	2583.5	2564.7	2557.5
8.5°	2560.3	2566.9	2563.1	2569.7	2569.5	2573.0	2575.6	2578.6	2577.4	2557.5	2551.4
9°	2551.7	2560.1	2556.5	2562.9	2561.9	2566.2	2570.2	2572.0	2570.0	2549.7	2544.8
9.5°	2542.3	2551.9	2550.2	2555.2	2553.5	2559.3	2564.7	2565.4	2561.1	2540.8	2537.4
10°	2532.6	2543.0	2543.0	2547.6	2543.8	2551.2	2559.1	2556.5	2551.4	2530.6	2529.6
10.5°	2522.2	2533.9	2535.9	2539.2	2534.1	2542.0	2553.0	2547.4	2541.3	2520.4	2522.4
11°	2509.7	2524.2	2528.6	2529.8	2523.2	2532.1	2546.3	2536.7	2529.1	2509.5	2513.8
11.5°	2495.5	2513.6	2520.9	2520.4	2511.3	2522.2	2539.2	2526.5	2515.8	2496.5	2504.1
12°	2480.5	2501.9	2512.0	2509.7	2497.5	2511.5	2531.6	2514.3	2500.3	2482.5	2493.5
12.5°	2464.0	2488.4	2502.9	2498.8	2482.0	2498.8	2524.2	2501.1	2483.6	2467.0	2482.3
13°	2445.7	2473.6	2493.0	2486.6	2465.5	2485.8	2515.1	2486.3	2465.8	2449.7	2469.1
13.5°	2425.8	2457.9	2482.3	2474.1	2447.5	2470.6	2505.2	2470.6	2446.7	2431.9	2455.6
14°	2405.5	2441.1	2471.1	2459.9	2428.4	2454.8	2494.0	2453.3	2426.1	2413.1	2440.3
14.5°	2384.1	2423.0	2458.6	2443.9	2408.6	2437.3	2482.3	2434.7	2405.0	2393.3	2424.6
15°	2361.3	2403.5	2445.2	2426.6	2387.7	2419.2	2470.1	2415.9	2383.1	2372.5	2406.5
15.5°	2337.1	2383.6	2430.9	2409.1	2366.4	2400.4	2456.4	2396.4	2360.3	2352.1	2387.7
16°	2312.5	2362.3	2415.7	2390.8	2343.7	2381.4	2441.1	2376.3	2336.6	2329.5	2367.1
16.5°	2286.8	2340.4	2398.4	2370.9	2320.8	2361.3	2424.3	2354.7	2312.5	2306.6	2345.0
17°	2261.1	2317.5	2380.6	2350.3	2297.2	2339.9	2406.0	2331.8	2287.0	2282.7	2321.6
17.5°	2233.4	2293.6	2361.3	2329.2	2272.8	2318.3	2386.2	2309.2	2260.1	2259.1	2298.7
18°	2206.4	2270.0	2340.4	2307.9	2246.9	2296.2	2364.8	2285.8	2233.9	2233.4	2272.8
18.5°	2178.5	2245.1	2318.6	2285.3	2221.2	2273.3	2342.7	2261.4	2207.0	2207.5	2246.4
19°	2149.2	2219.4	2294.9	2262.1	2195.3	2249.7	2318.8	2236.2	2179.5	2181.3	2219.7
19.5°	2118.5	2193.2	2271.0	2237.7	2168.8	2225.5	2294.4	2211.0	2151.3	2155.6	2193.5
20°	2087.0	2165.8	2245.6	2214.1	2140.9	2200.6	2269.2	2184.8	2123.1	2127.4	2163.5
20.5°	2055.4	2139.1	2219.4	2189.4	2112.1	2175.4	2242.8	2158.1	2094.1	2099.4	2134.5
21°	2022.6	2110.6	2192.5	2164.2	2083.1	2148.7	2215.3	2131.2	2064.3	2072.0	2104.5



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CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1930.6	2019.6	2107.5	2084.7	1996.2	2066.9	2130.9	2048.6	1975.4	1984.0	2012.7
23°	1898.3	1988.8	2077.8	2056.7	1968.7	2037.6	2100.4	2020.1	1944.6	1955.0	1980.4
23.5°	1864.8	1958.6	2047.3	2028.7	1939.3	2008.7	2070.9	1991.6	1913.8	1923.7	1948.1
24°	1832.2	1929.3	2016.3	1999.8	1909.8	1980.2	2040.2	1962.4	1883.1	1892.5	1915.9
24.5°	1798.9	1899.3	1985.3	1970.8	1880.3	1953.0	2008.9	1931.4	1852.3	1860.9	1883.6
25°	1765.1	1868.1	1953.5	1942.3	1850.8	1922.7	1976.1	1900.6	1821.5	1829.7	1851.3
25.5°	1730.5	1835.5	1921.5	1914.1	1821.3	1892.7	1944.1	1869.6	1788.7	1799.9	1819.0
26°	1695.4	1803.0	1887.9	1884.3	1790.5	1862.5	1912.3	1838.6	1756.2	1767.1	1782.4
26.5°	1660.1	1769.4	1854.3	1853.3	1758.5	1832.2	1880.3	1807.8	1722.1	1734.1	1748.1
27°	1624.5	1736.6	1820.8	1822.8	1726.5	1804.5	1848.2	1775.0	1688.6	1700.8	1712.2
27.5°	1587.7	1702.3	1786.0	1792.3	1694.2	1773.2	1816.2	1742.0	1654.5	1667.5	1676.9
28°	1550.5	1669.0	1751.9	1760.8	1661.6	1740.7	1780.9	1709.2	1619.9	1634.7	1640.0
28.5°	1512.9	1633.7	1715.8	1729.5	1629.1	1708.7	1746.8	1675.9	1584.6	1601.1	1605.2
29°	1475.5	1600.1	1680.4	1696.5	1595.5	1676.4	1711.0	1641.5	1550.0	1566.6	1569.6
29.5°	1437.9	1564.5	1645.4	1663.4	1562.0	1645.4	1674.6	1607.5	1513.7	1533.2	1534.3
30°	1400.0	1530.7	1611.6	1632.1	1527.1	1611.6	1638.2	1573.4	1478.3	1498.9	1496.9
30.5°	1364.9	1494.1	1576.5	1598.8	1492.6	1579.0	1604.2	1539.4	1443.8	1464.6	1461.0
31°	1330.4	1458.8	1540.9	1567.6	1459.0	1545.7	1569.1	1505.0	1411.5	1429.5	1423.4
31.5°	1293.0	1422.4	1505.5	1534.3	1427.2	1514.7	1533.0	1469.9	1375.4	1395.7	1386.3
32°	1260.2	1386.8	1471.0	1501.2	1392.4	1480.1	1496.6	1436.1	1344.6	1362.9	1348.4
32.5°	1232.5	1350.5	1435.1	1466.9	1358.6	1447.6	1460.3	1401.6	1310.3	1331.6	1311.1
33°	1200.5	1317.4	1398.3	1435.1	1331.9	1413.8	1422.7	1370.0	1276.5	1297.8	1273.7
33.5°	1160.8	1284.1	1361.9	1402.3	1300.1	1384.3	1386.6	1336.2	1238.1	1267.6	1236.6
34°	1121.7	1249.3	1326.1	1370.0	1265.5	1350.0	1349.4	1303.4	1197.7	1235.5	1200.5
34.5°	1076.9	1218.3	1289.7	1337.7	1230.0	1315.9	1312.8	1274.7	1155.5	1203.3	1164.4
35°	1032.4	1191.6	1254.1	1305.5	1191.1	1288.4	1276.5	1239.9	1110.2	1168.2	1128.5
35.5°	988.7	1161.3	1217.0	1272.4	1151.1	1261.7	1241.1	1207.6	1063.9	1130.8	1093.9
36°	946.2	1123.7	1180.9	1246.7	1106.9	1226.4	1206.1	1171.2	1017.4	1090.1	1059.6
36.5°	899.5	1087.6	1146.1	1214.4	1062.2	1195.4	1172.0	1132.1	970.1	1049.5	1026.8
37°	857.5	1044.9	1111.2	1182.4	1015.1	1158.5	1137.4	1091.7	925.1	1007.0	994.8
37.5°	815.8	1003.7	1077.4	1149.6	970.6	1121.1	1104.6	1049.5	881.4	964.0	964.0
38°	773.9	963.0	1043.4	1113.0	924.9	1080.5	1072.8	1006.2	837.9	921.1	933.5
38.5°	732.2	923.9	1011.3	1074.9	881.4	1040.3	1042.1	961.5	796.5	878.1	905.1
39°	689.5	884.0	979.3	1033.9	838.4	997.3	1012.6	918.8	754.8	837.2	878.1
39.5°	648.3	844.0	948.8	992.0	796.2	954.6	983.1	876.3	712.3	797.5	854.5
40°	608.6	804.1	921.1	950.0	753.5	911.9	955.4	835.6	669.6	759.1	830.3
40.5°	569.2	764.2	897.7	906.3	711.8	870.7	929.2	796.2	627.9	721.5	805.4
41°	532.4	724.5	874.3	866.4	670.1	829.3	906.6	757.1	587.0	682.6	789.4
41.5°	496.5	684.9	850.9	826.2	628.7	790.1	883.7	718.4	547.4	644.7	767.5
42°	460.9	645.7	827.5	786.3	587.8	751.0	858.3	680.1	509.5	606.6	741.6
42.5°	425.6	606.6	804.1	746.4	547.6	713.4	839.2	641.4	473.6	569.2	716.2
43°	392.0	570.0	781.0	708.5	510.0	674.0	823.2	602.5	438.3	532.6	682.9
43.5°	359.7	534.9	756.6	670.7	473.4	634.8	798.3	563.9	404.5	497.0	649.0



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	271.8	432.2	675.0	557.8	371.4	523.2	720.2	458.9	309.9	398.4	546.1
45.5°	244.6	399.6	645.2	521.9	339.9	487.6	689.0	426.6	280.7	366.9	511.5
46°	218.9	367.9	613.5	486.8	309.6	453.5	655.9	394.1	256.3	336.3	477.9
46.5°	194.5	337.1	581.7	453.5	279.9	421.3	621.3	363.0	231.9	307.1	445.2
47°	171.1	307.4	549.1	421.0	255.2	388.5	584.5	333.0	207.4	280.2	413.6
47.5°	149.0	279.1	516.3	390.0	230.3	357.4	548.4	304.1	183.0	256.0	382.1
48°	128.9	251.7	482.3	359.7	205.7	327.2	513.8	276.1	158.9	231.9	352.6
48.5°	111.1	226.8	448.5	330.0	181.0	298.5	480.2	252.4	139.1	207.7	323.9
49°	95.3	201.9	414.9	301.0	156.4	269.5	447.7	228.8	121.0	183.8	296.2
49.5°	84.9	178.5	384.1	273.5	136.5	244.8	415.9	205.2	104.2	159.7	269.5
50°	75.0	156.4	353.4	247.6	118.2	219.9	385.9	181.5	88.7	140.1	246.1
50.5°	64.8	136.5	325.2	223.0	101.2	195.2	356.9	157.9	75.3	121.3	222.7
51°	54.7	117.7	296.7	198.6	85.7	170.6	329.2	137.3	62.3	104.5	199.3
51.5°	44.7	100.9	270.8	175.9	71.9	149.5	301.0	119.5	51.1	88.2	175.7
52°	37.1	85.9	245.1	155.1	59.2	129.7	273.5	101.9	42.7	74.0	156.1
52.5°	30.0	75.8	221.7	135.5	47.5	111.1	249.9	86.7	34.3	60.8	137.3
53°	22.9	65.6	198.8	116.9	39.7	94.3	226.3	71.7	25.9	49.6	120.0
53.5°	16.0	55.4	176.7	100.2	31.8	78.8	202.4	59.2	17.3	41.2	104.0
54°	10.9	45.3	155.8	84.4	23.6	65.3	178.7	47.5	9.2	32.8	89.7
54.5°	9.7	37.9	137.5	71.9	15.8	52.9	155.1	39.7	8.4	24.4	76.5
55°	8.9	30.5	119.7	59.5	8.1	44.0	136.5	31.5	7.9	16.3	64.6
55.5°	7.9	23.6	104.0	47.0	7.6	35.1	118.0	23.6	7.6	8.4	54.2
56°	7.1	16.8	89.5	34.8	7.4	26.4	101.2	15.5	7.4	7.6	45.0
56.5°	6.9	11.2	78.8	25.2	7.1	17.8	85.7	7.6	7.1	7.4	37.1
57°	6.6	10.2	68.1	16.8	6.9	8.9	71.9	7.1	6.9	7.1	32.3
57.5°	6.4	9.2	57.7	9.9	6.6	7.4	59.2	7.1	6.6	6.9	27.5
58°	6.1	8.1	47.0	8.9	6.4	7.1	48.3	6.9	6.6	6.6	22.6
58.5°	5.8	7.4	36.4	7.9	6.1	6.9	38.9	6.6	6.4	6.4	18.1
59°	5.8	6.4	29.5	7.1	5.8	6.6	33.6	6.4	6.1	6.1	13.2
59.5°	5.6	6.1	23.9	6.1	5.8	6.4	28.2	6.1	5.8	6.1	10.7
60°	5.3	5.8	19.3	5.8	5.6	6.1	22.9	5.8	5.6	5.8	8.9
60.5°	5.1	5.8	15.8	5.8	5.3	5.8	17.8	5.8	5.6	5.6	7.4
61°	5.1	5.6	12.7	5.6	5.1	5.8	12.5	5.6	5.3	5.3	6.4
61.5°	4.8	5.3	10.4	5.3	5.1	5.6	10.2	5.3	5.1	5.3	5.6
62°	4.8	5.3	9.4	5.3	4.8	5.3	8.4	5.3	4.8	5.1	5.3
62.5°	4.6	5.1	8.4	5.1	4.6	5.3	7.1	5.1	4.8	4.8	5.1
63°	4.3	4.8	7.1	4.8	4.6	5.1	6.1	4.8	4.6	4.8	4.8
63.5°	4.3	4.8	6.1	4.8	4.3	4.8	5.6	4.8	4.6	4.6	4.6
64°	4.1	4.6	5.1	4.6	4.3	4.8	5.1	4.6	4.3	4.3	4.6
64.5°	4.1	4.3	4.8	4.6	4.1	4.6	5.1	4.6	4.1	4.3	4.3
65°	3.8	4.3	4.8	4.3	3.8	4.3	4.8	4.3	4.1	4.1	4.3
65.5°	3.8	4.1	4.6	4.1	3.8	4.3	4.6	4.1	3.8	4.1	4.1
66°	3.6	4.1	4.3	4.1	3.6	4.1	4.6	4.1	3.8	3.8	4.1



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	3.3	3.6	4.1	3.6	3.3	3.8	4.1	3.6	3.3	3.6	3.6
68°	3.1	3.6	3.8	3.6	3.1	3.6	3.8	3.6	3.3	3.3	3.3
68.5°	3.1	3.3	3.8	3.3	3.1	3.3	3.8	3.3	3.1	3.1	3.3
69°	2.8	3.3	3.6	3.3	2.8	3.3	3.6	3.3	3.1	3.1	3.1
69.5°	2.8	3.1	3.6	3.3	2.8	3.1	3.6	3.1	2.8	2.8	3.1
70°	2.5	3.1	3.3	3.1	2.8	3.1	3.3	3.1	2.8	2.8	2.8
70.5°	2.5	2.8	3.3	3.1	2.5	3.1	3.3	2.8	2.5	2.8	2.8
71°	2.5	2.8	3.1	2.8	2.5	2.8	3.1	2.8	2.5	2.5	2.5
71.5°	2.3	2.5	3.1	2.8	2.3	2.8	3.1	2.5	2.3	2.5	2.5
72°	2.3	2.5	2.8	2.5	2.3	2.5	2.8	2.5	2.3	2.3	2.3
72.5°	2.0	2.3	2.8	2.5	2.3	2.5	2.8	2.5	2.3	2.3	2.3
73°	2.0	2.3	2.5	2.5	2.0	2.3	2.5	2.3	2.0	2.0	2.3
73.5°	2.0	2.3	2.5	2.3	2.0	2.3	2.5	2.3	2.0	2.0	2.0
74°	1.8	2.0	2.3	2.3	2.0	2.3	2.3	2.0	2.0	2.0	2.0
74.5°	1.8	2.0	2.3	2.0	1.8	2.0	2.3	2.0	1.8	1.8	1.8
75°	1.8	1.8	2.0	2.0	1.8	2.0	2.3	2.0	1.8	1.8	1.8
75.5°	1.5	1.8	2.0	2.0	1.8	2.0	2.0	1.8	1.8	1.8	1.5
76°	1.5	1.8	2.0	1.8	1.8	1.8	2.0	1.8	1.5	1.5	1.5
76.5°	1.5	1.5	1.8	1.8	1.5	1.8	1.8	1.8	1.5	1.5	1.5
77°	1.5	1.5	1.8	1.8	1.5	1.8	1.8	1.5	1.5	1.5	1.3
77.5°	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.3	1.3	1.3
78°	1.3	1.3	1.5	1.5	1.3	1.5	1.5	1.3	1.3	1.3	1.0
78.5°	1.3	1.3	1.3	1.5	1.3	1.5	1.5	1.3	1.3	1.3	1.0
79°	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.0
79.5°	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.0	1.0	0.8
80°	1.0	1.0	1.0	1.3	1.0	1.3	1.3	1.0	1.0	1.0	0.8
80.5°	1.0	1.0	1.0	1.0	1.0	1.3	1.0	1.0	1.0	0.8	0.8
81°	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8
81.5°	0.8	0.8	0.8	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.5
82°	0.8	0.8	0.8	1.0	0.8	1.0	0.8	0.8	0.8	0.5	0.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5
83°	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.5
83.5°	0.5	0.5	0.5	0.8	0.8	0.8	0.5	0.5	0.5	0.3	0.5
84°	0.5	0.5	0.5	0.8	0.5	0.8	0.5	0.5	0.5	0.3	0.3
84.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.5	0.3	0.3
85°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
85.5°	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3
86°	0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3	0.0	0.3
86.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

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: P776103

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2635.1	2635.1	2635.1	2635.1	2635.1	2635.1
0.5°	2632.5	2631.3	2632.5	2633.8	2636.3	2635.3
1°	2629.5	2629.5	2630.2	2631.0	2634.3	2633.8
1.5°	2626.4	2626.7	2627.2	2628.0	2632.3	2631.3
2°	2622.6	2623.4	2623.1	2624.1	2629.5	2628.5
2.5°	2618.3	2619.3	2619.1	2619.3	2624.9	2624.4
3°	2613.5	2615.0	2614.2	2614.2	2620.8	2620.6
3.5°	2608.9	2609.9	2608.6	2608.6	2615.2	2615.2
4°	2604.1	2605.8	2603.3	2602.5	2609.4	2609.9
4.5°	2599.5	2601.5	2598.0	2595.4	2603.5	2604.8
5°	2594.4	2596.9	2592.9	2588.3	2597.7	2600.5
5.5°	2588.8	2592.6	2587.3	2581.7	2592.1	2595.7
6°	2582.7	2587.8	2581.4	2575.3	2586.5	2590.6
6.5°	2576.9	2582.4	2575.3	2569.2	2580.4	2585.2
7°	2570.0	2576.6	2569.0	2563.1	2574.1	2580.4
7.5°	2562.9	2570.2	2561.6	2556.5	2567.2	2573.8
8°	2555.0	2563.1	2553.7	2549.4	2560.3	2568.0
8.5°	2546.1	2554.7	2545.3	2542.3	2552.7	2560.3
9°	2535.9	2544.6	2536.2	2534.7	2544.6	2551.7
9.5°	2525.5	2534.1	2526.3	2527.3	2535.4	2542.3
10°	2513.8	2523.2	2515.3	2518.9	2526.3	2532.6
10.5°	2500.8	2509.7	2503.1	2510.2	2516.3	2522.2
11°	2487.1	2495.8	2490.4	2501.1	2505.7	2509.7
11.5°	2472.4	2479.7	2476.7	2490.9	2494.2	2495.5
12°	2456.4	2462.5	2461.2	2480.0	2481.5	2480.5
12.5°	2439.1	2443.9	2444.7	2467.8	2467.0	2464.0
13°	2420.8	2424.8	2426.6	2455.3	2451.8	2445.7
13.5°	2401.4	2404.0	2408.0	2441.9	2435.5	2425.8
14°	2381.4	2381.9	2388.5	2427.4	2417.7	2405.5
14.5°	2360.8	2359.0	2367.9	2411.6	2399.4	2384.1
15°	2338.9	2335.1	2346.0	2394.1	2379.1	2361.3
15.5°	2316.5	2310.4	2323.1	2375.5	2358.2	2337.1
16°	2292.9	2285.0	2299.7	2355.4	2336.4	2312.5
16.5°	2268.7	2258.1	2275.6	2334.3	2313.7	2286.8
17°	2244.1	2231.1	2251.4	2312.2	2290.6	2261.1
17.5°	2218.9	2203.4	2225.8	2288.1	2265.7	2233.4
18°	2192.5	2175.7	2199.1	2263.6	2240.8	2206.4
18.5°	2167.3	2146.2	2172.1	2238.0	2215.1	2178.5
19°	2139.6	2115.9	2145.2	2211.3	2188.9	2149.2
19.5°	2112.1	2085.2	2117.2	2183.6	2162.0	2118.5
20°	2082.6	2053.9	2089.0	2155.1	2134.2	2087.0
20.5°	2054.2	2021.4	2058.2	2123.8	2106.3	2055.4
21°	2024.2	1989.8	2028.7	2094.8	2076.5	2022.6

TEST NUMBER: P776103

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1933.7	1894.0	1935.2	1999.2	1983.2	1930.6
23°	1903.4	1861.2	1904.7	1968.5	1951.2	1898.3
23.5°	1872.9	1828.2	1874.2	1934.7	1920.4	1864.8
24°	1842.4	1793.8	1840.9	1900.9	1890.7	1832.2
24.5°	1811.9	1759.3	1807.6	1865.3	1859.9	1798.9
25°	1778.1	1724.2	1774.3	1832.2	1826.1	1765.1
25.5°	1743.5	1689.1	1739.9	1796.6	1793.1	1730.5
26°	1709.2	1652.7	1705.6	1760.3	1759.0	1695.4
26.5°	1674.9	1617.1	1671.3	1721.6	1726.0	1660.1
27°	1639.5	1579.8	1637.0	1686.8	1690.4	1624.5
27.5°	1603.7	1542.1	1600.6	1649.7	1655.8	1587.7
28°	1568.1	1504.3	1564.8	1611.8	1619.9	1550.5
28.5°	1531.7	1466.1	1529.2	1575.2	1584.6	1512.9
29°	1494.9	1427.7	1492.6	1539.1	1548.5	1475.5
29.5°	1457.7	1390.6	1456.0	1504.0	1513.7	1437.9
30°	1420.9	1355.0	1418.8	1468.2	1476.8	1400.0
30.5°	1384.5	1320.5	1382.2	1431.8	1440.5	1364.9
31°	1347.9	1283.1	1345.9	1394.4	1403.6	1330.4
31.5°	1313.8	1250.8	1309.8	1356.6	1367.7	1293.0
32°	1279.8	1221.6	1276.2	1318.7	1331.1	1260.2
32.5°	1244.2	1183.2	1242.7	1281.1	1295.0	1232.5
33°	1213.2	1146.6	1206.3	1243.9	1262.2	1200.5
33.5°	1184.4	1101.8	1177.3	1205.8	1227.9	1160.8
34°	1147.6	1056.1	1147.8	1168.2	1193.1	1121.7
34.5°	1113.5	1011.8	1110.0	1130.8	1164.9	1076.9
35°	1071.6	968.1	1074.1	1094.2	1136.7	1032.4
35.5°	1029.4	926.7	1031.4	1058.4	1101.3	988.7
36°	987.7	883.4	989.5	1024.0	1067.0	946.2
36.5°	947.0	840.0	949.0	989.5	1027.1	899.5
37°	906.6	796.5	907.6	956.9	985.6	857.5
37.5°	866.9	753.3	868.4	925.4	943.7	815.8
38°	827.3	709.8	829.0	898.2	899.2	773.9
38.5°	786.6	667.3	789.9	871.0	862.3	732.2
39°	745.4	625.9	750.7	843.8	825.2	689.5
39.5°	704.5	587.0	711.1	816.6	788.4	648.3
40°	664.0	549.4	670.4	789.4	751.2	608.6
40.5°	625.7	513.3	631.8	766.8	711.6	569.2
41°	588.3	476.7	593.4	747.2	672.4	532.4
41.5°	552.2	441.6	558.0	725.6	633.3	496.5
42°	516.8	406.3	522.9	705.7	595.9	460.9
42.5°	482.3	375.0	489.9	684.9	560.3	425.6
43°	448.5	343.7	456.6	653.1	526.0	392.0
43.5°	415.9	314.0	423.8	623.1	492.2	359.7



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	323.1	232.4	331.5	522.7	396.1	271.8
45.5°	294.1	207.4	302.8	492.2	365.1	244.6
46°	266.7	183.8	275.8	461.7	335.6	218.9
46.5°	242.3	160.9	250.2	431.4	306.9	194.5
47°	217.9	140.1	225.5	401.2	279.7	171.1
47.5°	193.7	120.8	201.1	373.5	253.7	149.0
48°	169.3	104.0	178.7	345.0	228.6	128.9
48.5°	148.2	89.2	157.9	317.8	204.1	111.1
49°	128.4	79.6	138.0	291.9	182.0	95.3
49.5°	110.3	69.9	120.0	266.9	160.4	84.9
50°	94.8	60.3	103.2	243.0	140.1	75.0
50.5°	81.1	50.6	88.2	220.7	121.0	64.8
51°	69.1	41.2	78.3	199.8	104.7	54.7
51.5°	58.7	33.8	68.4	180.0	90.0	44.7
52°	49.8	26.7	58.5	161.2	79.8	37.1
52.5°	41.9	19.8	48.3	143.9	69.7	30.0
53°	35.3	13.2	38.6	127.1	59.7	22.9
53.5°	28.7	8.6	31.3	111.6	49.6	16.0
54°	22.1	7.9	24.2	97.4	39.7	10.9
54.5°	15.5	7.4	17.5	84.4	32.3	9.7
55°	9.2	6.9	11.4	72.5	25.2	8.9
55.5°	6.9	6.4	10.2	63.8	18.3	7.9
56°	6.6	6.1	9.2	55.2	12.2	7.1
56.5°	6.4	5.8	7.9	46.8	7.9	6.9
57°	6.1	5.6	6.6	38.1	7.4	6.6
57.5°	5.8	5.3	5.3	29.5	7.1	6.4
58°	5.6	5.3	5.3	23.6	6.6	6.1
58.5°	5.6	5.1	5.1	18.8	6.1	5.8
59°	5.3	4.8	5.1	15.0	5.8	5.8
59.5°	5.1	4.8	4.8	12.2	5.8	5.6
60°	5.1	4.6	4.6	9.7	5.6	5.3
60.5°	4.8	4.3	4.6	8.6	5.3	5.1
61°	4.6	4.3	4.3	7.4	5.3	5.1
61.5°	4.6	4.1	4.3	6.1	5.1	4.8
62°	4.3	4.1	4.1	4.8	4.8	4.8
62.5°	4.3	3.8	4.1	4.6	4.8	4.6
63°	4.1	3.8	3.8	4.6	4.6	4.3
63.5°	3.8	3.6	3.8	4.3	4.6	4.3
64°	3.8	3.6	3.6	4.3	4.3	4.1
64.5°	3.6	3.3	3.6	4.1	4.1	4.1
65°	3.6	3.3	3.3	4.1	4.1	3.8
65.5°	3.3	3.1	3.3	3.8	3.8	3.8
66°	3.3	3.1	3.1	3.8	3.8	3.6



TEST NUMBER: P776103

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQC-2500lm-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	3.1	2.5	2.8	3.3	3.3	3.3
68°	2.8	2.5	2.8	3.3	3.3	3.1
68.5°	2.8	2.5	2.5	3.1	3.1	3.1
69°	2.5	2.3	2.5	3.1	3.1	2.8
69.5°	2.5	2.3	2.5	2.8	3.1	2.8
70°	2.3	2.0	2.3	2.8	2.8	2.5
70.5°	2.3	2.0	2.3	2.8	2.8	2.5
71°	2.3	2.0	2.0	2.5	2.5	2.5
71.5°	2.0	1.8	2.0	2.5	2.5	2.3
72°	2.0	1.8	2.0	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	2.3	2.3	2.0
73°	1.8	1.8	1.8	2.0	2.3	2.0
73.5°	1.8	1.5	1.8	2.0	2.0	2.0
74°	1.5	1.5	1.8	2.0	2.0	1.8
74.5°	1.5	1.5	1.5	1.8	2.0	1.8
75°	1.5	1.5	1.5	1.8	1.8	1.8
75.5°	1.5	1.3	1.5	1.5	1.8	1.5
76°	1.3	1.3	1.3	1.5	1.5	1.5
76.5°	1.3	1.3	1.3	1.5	1.5	1.5
77°	1.3	1.3	1.3	1.3	1.5	1.5
77.5°	1.0	1.0	1.3	1.3	1.3	1.3
78°	1.0	1.0	1.0	1.3	1.3	1.3
78.5°	1.0	1.0	1.0	1.0	1.3	1.3
79°	1.0	1.0	1.0	1.0	1.3	1.0
79.5°	0.8	0.8	1.0	1.0	1.0	1.0
80°	0.8	0.8	0.8	0.8	1.0	1.0
80.5°	0.8	0.8	0.8	0.8	1.0	1.0
81°	0.8	0.8	0.8	0.8	0.8	0.8
81.5°	0.5	0.8	0.8	0.8	0.8	0.8
82°	0.5	0.5	0.5	0.5	0.8	0.8
82.5°	0.5	0.5	0.5	0.5	0.5	0.8
83°	0.5	0.5	0.5	0.5	0.5	0.5
83.5°	0.5	0.5	0.5	0.5	0.5	0.5
84°	0.3	0.5	0.5	0.3	0.5	0.5
84.5°	0.3	0.3	0.3	0.3	0.3	0.5
85°	0.3	0.3	0.3	0.3	0.3	0.3
85.5°	0.3	0.3	0.3	0.3	0.3	0.3
86°	0.3	0.3	0.3	0.3	0.3	0.3
86.5°	0.0	0.3	0.3	0.3	0.3	0.3
87°	0.0	0.0	0.0	0.0	0.0	0.3
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: P776103

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQC-2500lm-4000K

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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Peachtree City, GA 30269

Scaled Data Report





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

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Scaled Data Report



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21.5°	1991.6	2080.9	2164.5	2138.6	2053.9	2121.5	2188.1	2104.2	2035.3	2044.0	2075.5
22°	1961.1	2050.6	2136.0	2111.9	2024.7	2094.3	2159.9	2077.0	2006.9	2013.2	2044.0



44°	328.7	500.6	736.2	633.0	437.5	596.7	775.9	527.5	371.9	462.9	615.2
44.5°	299.5	465.7	705.7	594.9	404.5	560.3	749.7	492.9	340.2	430.2	580.7



66.5°	3.6	3.8	4.3	3.8	3.6	4.1	4.3	3.8	3.6	3.8	3.8
67°	3.3	3.8	4.1	3.8	3.3	3.8	4.3	3.8	3.6	3.6	3.6



89°	0.0	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	0.0

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21.5°	1993.9	1959.1	1997.5	2064.1	2046.0	1991.6
22°	1964.2	1927.6	1967.0	2032.8	2014.0	1961.1



44°	383.9	284.7	391.3	590.1	460.2	328.7
44.5°	352.1	258.3	361.0	556.5	427.6	299.5

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66.5°	3.3	2.8	3.1	3.6	3.6	3.6
67°	3.1	2.8	3.1	3.6	3.6	3.3

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Scaled Data Report



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)