

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: P776055

Luminaire Tested: HCDJBL51525CSD-HCD62TRH-2500lm-2700K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B056)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD62TRH-2500lm-2700K
Description: 6 INCH ROUND NARROW HAZE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

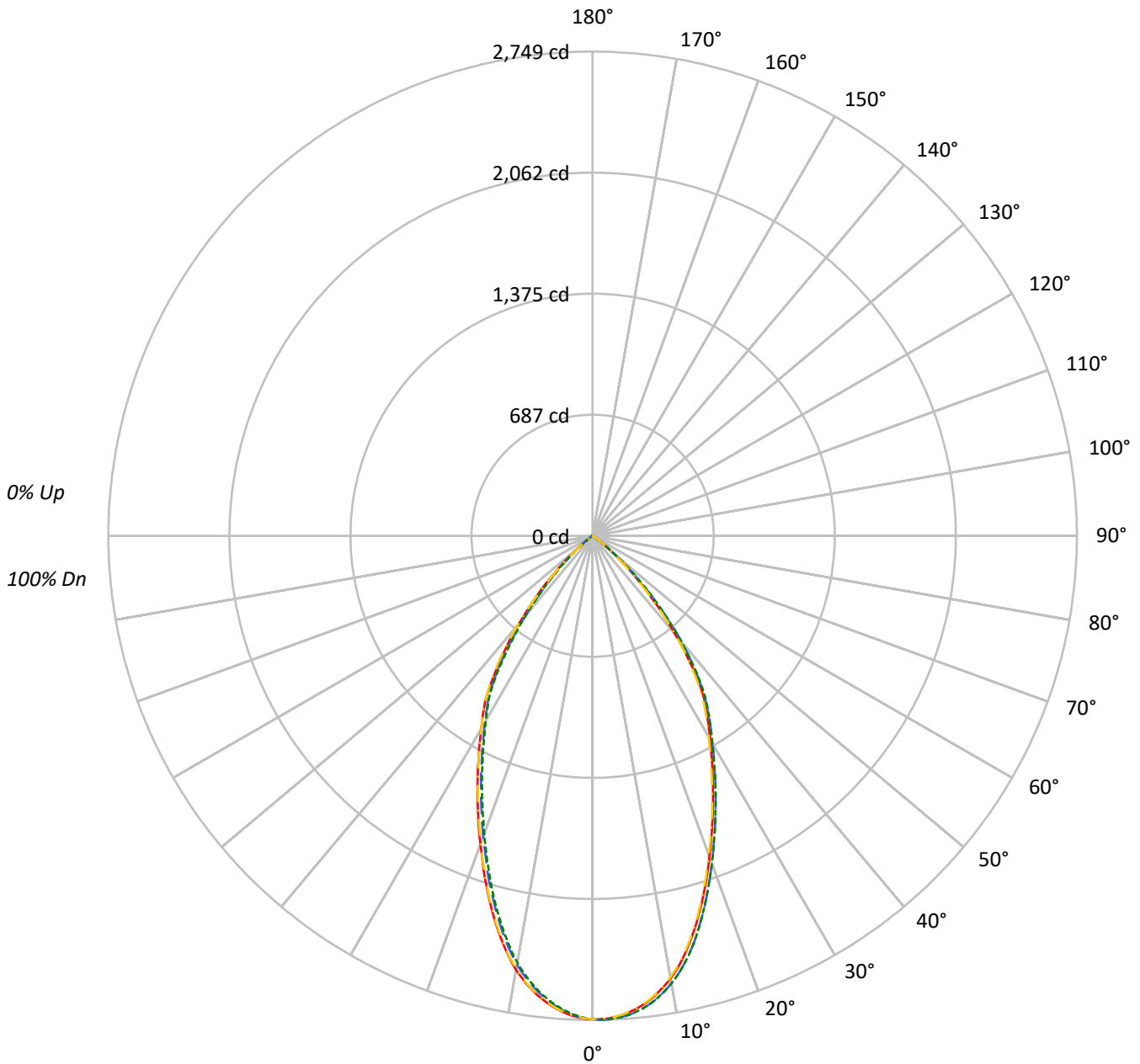
Lumens per Lamp: N/A
Luminaire Lumens: 2553.8 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.82 / 0.91
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



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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					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	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93					93			
2	107	102	98	95	105	101	97	93	97	94	91	94	92	89	92	89	88	86					86			
3	102	95	90	86	100	93	89	85	91	87	83	88	85	82	86	83	81	79					79			
4	96	88	82	78	94	87	82	77	85	80	77	83	79	76	81	78	75	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68					68			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	81	72	65	61	80	71	65	61	70	64	60	68	64	60	67	63	60	58					58			
8	77	67	61	57	76	67	61	56	65	60	56	64	59	56	63	59	56	54					54			
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51					51			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	47					47			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	150459	150459	150459	150459
5°	148712	149554	147408	146313
10°	142004	143607	139265	136944
15°	129172	131493	125074	121811
20°	113182	115458	108673	104974
25°	97875	99943	93477	89727
30°	84437	86045	80114	76752
35°	72565	74271	66127	62627
40°	52277	55432	46401	42344
45°	30957	34585	26414	22940
50°	12835	15002	9074	7565
55°	2179	2867	2179	1434
60°	899	855	877	713
65°	532	506	532	441
70°	353	353	353	305
75°	254	212	254	212
80°	158	158	158	158
85°	0	126	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 36802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.5	9.8
10°-20°	621.5	24.3
20°-30°	723.1	28.3
30°-40°	628.9	24.6
40°-50°	289.3	11.3
50°-60°	34.1	1.3
60°-70°	4.1	0.2
70°-80°	1.2	0.0
80°-90°	0.2	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°	1596.1	62.5
0°-40°	2225.0	87.1
0°-60°	2548.4	99.8
0°-90°	2553.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2553.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2745	2745	2745	2745	2745	
5°	2702	2718	2679	2659	2702	253
15°	2276	2317	2204	2146	2276	633
25°	1618	1652	1545	1483	1618	743
35°	1084	1110	988	936	1084	659
45°	399	446	341	296	399	314
55°	23	30	23	15	23	38
65°	4	4	4	3	4	4
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	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°	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6
0.5°	2745.8	2747.7	2748.0	2745.8	2746.3	2744.8	2743.9	2744.3	2743.9	2744.1	2743.6
1°	2745.3	2748.0	2749.0	2747.7	2747.0	2744.8	2743.6	2742.7	2741.2	2741.0	2740.0
1.5°	2743.1	2747.0	2749.0	2748.5	2747.0	2744.1	2741.9	2739.7	2737.3	2736.1	2734.7
2°	2740.7	2745.6	2747.7	2748.2	2745.8	2742.7	2739.5	2735.6	2732.5	2730.3	2727.9
2.5°	2736.8	2742.7	2745.3	2747.0	2743.9	2739.5	2735.4	2730.3	2726.4	2723.3	2720.1
3°	2732.0	2738.8	2741.7	2745.1	2740.5	2735.9	2730.3	2724.5	2718.9	2715.0	2711.2
3.5°	2726.4	2733.7	2737.6	2741.9	2736.6	2731.3	2724.2	2717.5	2710.7	2705.3	2701.5
4°	2719.4	2727.6	2732.0	2737.6	2731.7	2725.2	2717.5	2708.7	2701.0	2694.9	2690.6
4.5°	2711.4	2720.6	2725.9	2732.0	2725.4	2717.9	2709.2	2699.5	2690.3	2683.3	2678.4
5°	2702.4	2712.6	2717.9	2725.9	2717.7	2709.9	2699.8	2689.1	2678.7	2670.4	2664.6
5.5°	2692.7	2703.6	2709.7	2718.2	2709.5	2700.2	2689.3	2678.0	2666.3	2656.9	2650.6
6°	2681.3	2693.2	2700.5	2709.9	2699.8	2689.8	2678.2	2664.4	2652.0	2641.9	2635.1
6.5°	2669.5	2682.6	2689.8	2700.2	2688.9	2678.4	2665.6	2650.6	2637.5	2626.8	2618.8
7°	2655.7	2669.7	2677.7	2689.8	2677.5	2666.1	2651.8	2636.0	2621.7	2610.4	2601.9
7.5°	2640.9	2656.1	2664.6	2677.7	2664.1	2651.3	2636.8	2620.8	2604.3	2591.9	2583.2
8°	2625.1	2640.9	2649.6	2664.6	2649.8	2635.8	2620.8	2603.1	2586.4	2573.0	2563.3
8.5°	2608.4	2625.4	2634.3	2650.3	2633.9	2620.3	2603.6	2584.4	2567.0	2552.9	2542.7
9°	2590.2	2608.2	2617.1	2634.1	2617.1	2602.8	2585.4	2565.0	2546.6	2531.4	2520.7
9.5°	2571.1	2589.5	2599.7	2617.1	2599.2	2583.9	2565.5	2545.4	2524.8	2509.1	2497.4
10°	2551.0	2569.6	2580.1	2599.0	2579.8	2564.1	2545.2	2522.4	2501.8	2485.3	2472.5
10.5°	2528.9	2549.8	2560.0	2579.8	2560.2	2543.7	2522.6	2499.4	2476.8	2458.4	2445.3
11°	2506.2	2527.5	2538.1	2559.7	2538.1	2520.9	2499.6	2474.2	2450.4	2429.6	2416.8
11.5°	2481.4	2503.3	2514.6	2537.9	2515.1	2497.2	2474.7	2448.0	2422.3	2401.5	2387.9
12°	2454.8	2478.3	2489.4	2514.2	2490.4	2471.5	2447.5	2419.4	2394.0	2372.7	2357.9
12.5°	2427.4	2451.2	2463.5	2489.0	2464.7	2444.6	2419.7	2391.3	2363.7	2341.6	2326.6
13°	2399.1	2423.5	2436.6	2462.8	2437.3	2417.0	2391.6	2361.7	2333.4	2310.1	2294.6
13.5°	2369.7	2394.9	2408.5	2435.7	2409.0	2387.7	2361.7	2331.2	2301.9	2277.9	2261.4
14°	2339.2	2365.4	2378.7	2408.0	2379.0	2358.1	2331.0	2299.5	2269.7	2246.2	2229.2
14.5°	2308.2	2334.6	2348.7	2377.0	2348.2	2326.4	2299.0	2267.2	2237.4	2211.8	2195.5
15°	2276.0	2303.4	2316.4	2347.7	2316.9	2294.4	2267.0	2234.8	2203.8	2178.8	2161.6
15.5°	2243.3	2270.9	2284.0	2316.0	2285.2	2262.2	2234.8	2201.8	2170.3	2144.9	2127.2
16°	2210.5	2238.4	2251.7	2283.5	2252.0	2229.2	2202.1	2167.9	2136.6	2111.2	2093.3
16.5°	2177.8	2205.7	2219.5	2251.0	2218.8	2196.3	2168.9	2134.9	2103.4	2076.6	2059.1
17°	2144.9	2172.3	2185.3	2218.1	2185.6	2162.6	2134.2	2100.8	2069.0	2041.9	2024.0
17.5°	2110.5	2138.6	2151.4	2183.9	2151.2	2127.7	2100.3	2067.3	2034.4	2007.7	1988.4
18°	2076.6	2104.2	2117.5	2150.0	2117.0	2093.5	2066.1	2032.9	1999.5	1972.4	1952.5
18.5°	2042.6	2070.5	2083.1	2115.3	2082.4	2059.6	2032.0	1997.3	1965.1	1937.2	1917.4
19°	2008.2	2036.6	2048.0	2080.4	2048.2	2025.4	1996.8	1962.9	1929.7	1901.9	1882.5
19.5°	1974.5	2002.2	2014.0	2045.8	2013.6	1991.0	1961.9	1929.5	1895.1	1869.1	1849.8
20°	1940.1	1967.5	1978.9	2011.4	1979.1	1956.1	1928.3	1894.3	1862.8	1836.4	1816.8
20.5°	1906.0	1934.1	1945.2	1976.2	1944.3	1921.5	1893.9	1862.1	1830.6	1803.7	1783.8
21°	1872.5	1900.4	1912.0	1943.0	1910.1	1887.8	1861.6	1829.9	1798.4	1771.0	1750.9

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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°	1774.4	1800.8	1811.5	1840.5	1812.2	1790.6	1765.2	1733.2	1700.7	1673.4	1653.0
23°	1742.4	1767.9	1779.0	1807.6	1779.7	1758.2	1733.0	1700.5	1669.2	1640.9	1621.7
23.5°	1711.2	1735.9	1746.8	1774.9	1747.5	1725.7	1700.0	1669.0	1637.5	1609.9	1590.5
24°	1679.2	1704.6	1714.6	1741.9	1715.0	1693.7	1668.0	1638.0	1606.5	1578.9	1559.0
24.5°	1648.9	1673.4	1682.6	1709.7	1683.5	1660.8	1636.8	1607.0	1575.5	1548.6	1528.7
25°	1618.1	1642.3	1651.6	1678.7	1652.3	1630.0	1605.3	1575.7	1545.4	1518.3	1498.7
25.5°	1587.8	1611.6	1620.8	1647.7	1620.8	1599.9	1574.7	1545.9	1515.9	1488.2	1469.6
26°	1558.0	1582.5	1590.5	1616.4	1590.2	1570.1	1544.9	1516.3	1486.3	1459.2	1440.5
26.5°	1528.9	1551.5	1560.7	1584.9	1560.2	1539.4	1515.1	1486.5	1456.7	1430.1	1410.5
27°	1499.4	1521.9	1530.4	1555.1	1530.2	1508.8	1485.3	1457.5	1427.9	1401.5	1382.1
27.5°	1470.3	1492.8	1500.8	1525.6	1500.4	1481.0	1456.5	1428.4	1399.3	1373.4	1354.0
28°	1442.0	1465.0	1471.8	1496.2	1470.8	1451.6	1427.4	1400.5	1371.4	1345.0	1326.6
28.5°	1413.6	1436.6	1443.2	1467.2	1442.4	1422.6	1399.3	1372.2	1343.3	1317.7	1299.2
29°	1386.7	1408.0	1415.1	1437.8	1414.1	1394.7	1372.4	1345.0	1317.2	1291.2	1272.6
29.5°	1360.3	1381.1	1387.0	1410.0	1386.7	1367.6	1345.0	1318.6	1290.8	1265.6	1247.1
30°	1333.9	1355.0	1360.8	1383.1	1359.3	1341.2	1318.6	1292.7	1265.6	1239.9	1222.2
30.5°	1308.2	1328.8	1334.9	1356.4	1333.2	1314.7	1292.9	1266.8	1240.1	1214.9	1197.7
31°	1283.2	1303.4	1309.2	1329.8	1308.0	1289.8	1267.5	1242.1	1215.2	1190.4	1173.0
31.5°	1258.0	1277.9	1283.7	1304.3	1282.8	1265.1	1242.8	1217.8	1191.2	1166.7	1149.7
32°	1234.5	1254.4	1259.5	1279.1	1258.5	1240.1	1219.3	1194.3	1167.4	1143.0	1125.7
32.5°	1211.0	1230.2	1235.3	1254.4	1233.8	1216.1	1194.8	1169.6	1143.7	1119.0	1102.5
33°	1187.5	1206.4	1211.5	1230.4	1210.8	1192.4	1170.8	1144.6	1118.0	1092.6	1075.3
33.5°	1162.8	1181.7	1186.3	1206.2	1186.3	1168.6	1145.1	1116.3	1089.2	1062.0	1043.4
34°	1138.3	1156.5	1159.2	1181.7	1162.3	1143.7	1118.0	1086.5	1057.9	1030.3	1011.9
34.5°	1111.0	1129.1	1129.9	1155.3	1136.9	1117.5	1088.4	1055.5	1023.0	997.6	977.5
35°	1084.3	1100.1	1100.5	1126.2	1109.8	1090.6	1058.9	1024.7	988.1	964.1	944.0
35.5°	1054.8	1070.0	1071.2	1097.6	1081.9	1062.7	1028.8	992.2	951.5	927.1	911.3
36°	1023.3	1038.8	1041.4	1067.8	1052.8	1032.9	998.8	959.5	917.4	890.2	878.4
36.5°	988.6	1006.5	1011.6	1038.8	1020.8	1000.5	967.0	925.8	883.4	854.1	842.7
37°	951.0	973.6	981.6	1009.0	988.1	966.1	934.6	891.9	851.0	818.5	808.3
37.5°	912.0	939.7	950.8	978.4	953.5	931.4	901.4	856.5	818.0	783.4	772.2
38°	874.2	906.2	918.6	947.2	917.9	896.3	867.7	822.9	785.6	749.0	736.8
38.5°	838.4	871.1	885.6	915.9	881.3	858.7	832.8	788.9	751.6	716.0	699.3
39°	802.5	835.0	852.4	884.2	844.9	820.4	798.2	755.7	718.2	684.3	665.1
39.5°	766.4	798.9	819.0	850.2	809.8	783.9	761.8	722.3	683.5	650.3	629.5
40°	730.5	762.8	785.6	816.3	774.6	749.0	725.2	689.4	648.4	616.4	595.8
40.5°	694.7	726.9	752.1	782.4	739.8	713.8	687.9	656.4	614.0	584.0	560.9
41°	660.5	690.8	718.9	748.5	706.3	679.7	650.8	623.2	582.0	551.5	527.7
41.5°	625.4	655.7	683.8	714.6	672.9	644.0	614.5	589.5	550.3	519.5	494.1
42°	592.0	622.7	648.4	678.9	640.2	610.6	579.1	555.4	519.5	487.8	461.6
42.5°	557.5	590.3	613.5	643.8	606.7	577.7	544.7	521.7	489.7	457.2	430.8
43°	524.3	557.3	577.9	609.6	573.8	544.7	511.5	488.7	459.7	428.9	401.7
43.5°	490.9	523.1	542.0	575.2	541.1	511.0	478.6	455.8	429.1	398.8	372.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	399.3	428.4	440.8	474.7	446.1	416.5	386.7	361.3	340.7	315.0	293.7
45.5°	369.8	397.9	408.0	442.7	415.8	386.7	357.2	332.0	312.6	288.1	269.2
46°	342.1	368.1	377.0	410.7	387.2	357.4	329.3	303.6	285.7	262.9	246.4
46.5°	314.5	339.0	346.5	379.7	357.2	329.1	301.9	276.0	259.5	241.1	226.3
47°	287.9	311.1	316.5	348.9	327.8	303.4	275.5	252.5	235.5	219.5	206.4
47.5°	261.9	284.0	288.3	319.8	300.2	277.7	250.5	229.2	211.8	197.7	186.3
48°	237.7	257.3	261.4	290.8	274.0	252.5	228.3	206.0	187.8	176.2	166.2
48.5°	214.4	230.9	236.0	262.9	249.6	229.9	206.0	182.7	163.8	154.3	149.0
49°	192.4	206.4	211.8	237.7	224.9	207.4	183.9	159.4	143.2	136.7	132.8
49.5°	171.3	182.7	188.3	212.0	200.4	184.9	161.6	140.5	123.8	119.5	117.8
50°	150.5	160.2	166.2	188.5	175.9	162.6	142.7	123.1	106.4	104.4	103.7
50.5°	131.3	139.1	145.6	165.7	151.4	142.7	124.5	107.1	91.1	90.1	90.4
51°	113.2	119.9	126.5	145.1	131.1	123.6	108.3	92.3	77.8	77.8	78.3
51.5°	96.2	102.3	108.6	124.8	112.9	106.4	93.8	79.5	66.9	66.6	67.6
52°	80.4	86.7	91.8	106.9	95.7	89.9	80.2	67.4	57.2	56.7	57.7
52.5°	69.3	75.6	80.0	90.4	79.7	75.4	67.8	56.7	48.7	47.7	48.2
53°	58.2	64.5	68.1	78.7	65.9	62.3	56.5	47.5	41.4	40.0	40.0
53.5°	47.0	53.5	56.2	67.1	53.8	50.6	46.8	39.5	34.9	33.2	32.7
54°	36.1	42.4	44.3	55.5	43.4	40.9	38.3	32.5	29.1	29.3	28.8
54.5°	28.6	31.5	32.5	43.9	34.6	32.7	33.2	28.6	25.9	25.4	24.7
55°	22.8	24.7	25.4	32.2	30.0	28.6	28.1	24.7	22.8	21.3	20.6
55.5°	18.2	19.4	19.6	25.2	25.7	24.5	23.3	20.8	19.6	17.4	16.7
56°	15.3	15.7	15.5	19.4	21.1	20.4	18.4	17.2	16.5	13.6	12.6
56.5°	13.6	13.8	13.6	15.3	16.5	16.2	13.6	13.3	13.3	12.4	11.6
57°	12.6	12.6	12.4	13.1	12.1	12.1	12.4	12.4	12.4	11.6	10.9
57.5°	11.9	11.9	11.4	11.9	11.1	11.1	11.4	11.6	11.4	10.9	10.2
58°	10.9	10.9	10.7	10.9	10.4	10.4	10.7	10.9	10.7	10.2	9.4
58.5°	10.2	10.2	9.7	10.2	9.7	9.7	9.9	10.2	9.9	9.4	8.7
59°	9.4	9.4	9.2	9.4	9.0	9.0	9.2	9.4	9.2	8.7	8.2
59.5°	9.0	8.7	8.5	8.7	8.2	8.2	8.5	8.7	8.7	8.2	7.5
60°	8.2	8.2	8.0	8.2	7.8	7.8	8.0	8.0	8.0	7.5	7.0
60.5°	7.8	7.5	7.3	7.5	7.3	7.3	7.3	7.5	7.5	7.0	6.5
61°	7.0	7.0	6.8	7.0	6.5	6.8	6.8	7.0	7.0	6.5	6.1
61.5°	6.5	6.5	6.3	6.5	6.3	6.3	6.3	6.5	6.5	6.1	5.8
62°	6.1	6.1	5.8	6.1	5.8	5.8	6.1	6.1	6.1	5.8	5.3
62.5°	5.8	5.8	5.3	5.6	5.3	5.3	5.6	5.8	5.8	5.3	5.1
63°	5.3	5.3	5.1	5.3	5.1	5.1	5.1	5.3	5.3	5.1	4.6
63.5°	5.1	5.1	4.8	4.8	4.6	4.8	4.8	5.1	5.1	4.8	4.4
64°	4.8	4.6	4.4	4.6	4.4	4.4	4.6	4.8	4.8	4.6	4.1
64.5°	4.4	4.4	4.1	4.4	4.1	4.1	4.4	4.4	4.4	4.1	3.9
65°	4.1	4.1	3.9	4.1	3.9	3.9	4.1	4.1	4.1	3.9	3.6
65.5°	3.9	3.9	3.6	3.9	3.6	3.6	3.9	3.9	3.9	3.6	3.4
66°	3.6	3.6	3.4	3.6	3.4	3.4	3.6	3.6	3.6	3.4	3.1



TEST NUMBER: P776055

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	3.1	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	2.9	2.7
68°	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.7	2.7
68.5°	2.7	2.7	2.4	2.7	2.4	2.4	2.7	2.7	2.7	2.7	2.4
69°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	2.7	2.4	2.2
69.5°	2.4	2.4	2.2	2.2	2.2	2.2	2.4	2.4	2.4	2.2	2.2
70°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9
70.5°	2.2	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.2	1.9	1.9
71°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.7
71.5°	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.7	1.7
72°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.5
72.5°	1.7	1.7	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.5	1.5
73°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
73.5°	1.5	1.5	1.5	1.5	1.2	1.5	1.5	1.5	1.5	1.5	1.2
74°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.2	1.2
74.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.0	1.2	1.0	1.2	1.2	1.2	1.2	1.2	1.0
75.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.0	1.0
76°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
76.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7
77°	1.0	0.7	0.7	1.0	0.7	0.7	1.0	1.0	1.0	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
78°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
78.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
79°	0.7	0.5	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.5	0.5
79.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
80.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
81°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
81.5°	0.5	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.2	0.2
82°	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
83°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
83.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
84.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.2	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: P776055
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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: P776055

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	2744.6	2744.6	2744.6	2744.6	2744.6	2744.6
0.5°	2738.8	2740.7	2740.7	2741.9	2743.9	2745.8
1°	2733.7	2736.6	2737.1	2739.3	2741.9	2745.3
1.5°	2727.1	2730.5	2731.7	2734.9	2739.3	2743.1
2°	2719.1	2724.0	2725.9	2730.1	2735.4	2740.7
2.5°	2710.2	2715.8	2718.2	2724.0	2730.8	2736.8
3°	2700.0	2706.5	2709.9	2716.5	2724.7	2732.0
3.5°	2688.6	2696.9	2700.5	2708.2	2717.5	2726.4
4°	2676.5	2684.7	2690.1	2698.6	2709.2	2719.4
4.5°	2662.9	2672.6	2678.2	2687.9	2700.0	2711.4
5°	2648.6	2658.8	2665.4	2676.0	2689.8	2702.4
5.5°	2632.6	2644.5	2651.3	2663.2	2678.7	2692.7
6°	2616.4	2629.3	2636.8	2649.4	2666.6	2681.3
6.5°	2598.7	2612.0	2621.0	2634.8	2653.0	2669.5
7°	2580.3	2594.4	2604.1	2619.1	2638.2	2655.7
7.5°	2560.9	2575.2	2585.6	2601.6	2622.2	2640.9
8°	2539.4	2555.1	2566.0	2583.5	2605.0	2625.1
8.5°	2516.8	2533.8	2545.9	2563.6	2587.1	2608.4
9°	2493.3	2510.5	2523.4	2542.7	2567.2	2590.2
9.5°	2468.1	2486.8	2500.1	2520.9	2546.9	2571.1
10°	2441.2	2460.1	2474.2	2497.7	2525.8	2551.0
10.5°	2412.1	2433.2	2448.2	2472.7	2502.5	2528.9
11°	2382.1	2405.1	2420.6	2445.6	2477.8	2506.2
11.5°	2352.3	2374.3	2392.8	2418.0	2451.2	2481.4
12°	2321.0	2344.1	2361.3	2389.9	2423.5	2454.8
12.5°	2289.1	2312.1	2330.2	2359.8	2395.2	2427.4
13°	2256.6	2280.1	2300.0	2329.8	2366.4	2399.1
13.5°	2223.4	2247.1	2268.0	2297.5	2335.3	2369.7
14°	2190.0	2214.7	2234.3	2265.1	2304.3	2339.2
14.5°	2155.3	2181.0	2200.9	2233.6	2272.1	2308.2
15°	2122.1	2146.3	2167.2	2199.9	2239.9	2276.0
15.5°	2087.2	2111.9	2133.7	2166.4	2206.9	2243.3
16°	2052.1	2077.3	2099.1	2131.3	2173.5	2210.5
16.5°	2017.4	2042.9	2064.9	2098.4	2140.0	2177.8
17°	1982.1	2008.2	2030.0	2064.2	2106.8	2144.9
17.5°	1947.4	1972.8	1995.1	2029.5	2072.7	2110.5
18°	1910.6	1937.2	1959.3	1993.9	2038.3	2076.6
18.5°	1876.4	1901.4	1924.1	1958.8	2003.9	2042.6
19°	1842.5	1867.0	1889.0	1925.6	1969.2	2008.2
19.5°	1808.6	1833.3	1855.6	1892.2	1935.8	1974.5
20°	1774.6	1799.4	1822.9	1858.0	1901.9	1940.1
20.5°	1741.0	1766.4	1789.7	1824.6	1868.7	1906.0
21°	1711.2	1732.2	1755.7	1790.9	1834.5	1872.5

TEST NUMBER: P776055

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRH-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1615.4	1636.0	1659.8	1695.4	1737.3	1774.4
23°	1584.2	1604.8	1627.8	1662.9	1705.3	1742.4
23.5°	1553.4	1573.8	1597.5	1632.7	1674.3	1711.2
24°	1523.9	1543.7	1567.2	1601.2	1643.6	1679.2
24.5°	1493.1	1513.7	1536.7	1571.6	1612.3	1648.9
25°	1464.2	1483.4	1506.9	1540.3	1582.3	1618.1
25.5°	1434.4	1454.6	1478.1	1511.5	1552.4	1587.8
26°	1405.6	1425.7	1449.2	1482.4	1523.1	1558.0
26.5°	1377.5	1397.6	1420.9	1453.8	1493.8	1528.9
27°	1349.2	1369.3	1392.3	1425.5	1465.0	1499.4
27.5°	1321.3	1341.9	1364.2	1397.1	1436.4	1470.3
28°	1294.6	1314.3	1336.8	1368.5	1408.3	1442.0
28.5°	1268.7	1287.6	1310.4	1341.9	1380.7	1413.6
29°	1243.5	1262.2	1284.7	1316.2	1354.0	1386.7
29.5°	1217.6	1237.0	1258.5	1290.0	1327.3	1360.3
30°	1192.9	1212.5	1234.1	1264.8	1302.1	1333.9
30.5°	1169.1	1188.3	1209.6	1239.6	1276.9	1308.2
31°	1145.9	1164.5	1186.3	1216.1	1252.2	1283.2
31.5°	1122.1	1141.0	1163.1	1192.6	1227.5	1258.0
32°	1098.1	1117.8	1139.1	1168.9	1204.0	1234.5
32.5°	1072.0	1094.5	1115.8	1145.9	1181.0	1211.0
33°	1042.6	1067.1	1089.6	1119.9	1157.7	1187.5
33.5°	1010.7	1036.8	1060.6	1091.6	1132.0	1162.8
34°	976.0	1004.8	1029.3	1061.5	1103.9	1138.3
34.5°	941.6	970.4	995.1	1032.2	1075.3	1111.0
35°	907.9	935.8	960.5	1000.2	1045.3	1084.3
35.5°	874.0	899.2	925.8	969.0	1014.3	1054.8
36°	839.3	859.2	892.2	936.3	982.1	1023.3
36.5°	803.2	825.3	870.8	902.8	949.4	988.6
37°	767.4	791.9	835.2	869.6	915.9	951.0
37.5°	732.2	758.4	799.4	834.7	880.8	912.0
38°	695.7	724.7	763.5	799.8	843.9	874.2
38.5°	660.3	692.0	727.6	765.0	807.1	838.4
39°	626.4	658.6	694.0	730.1	770.3	802.5
39.5°	593.2	625.1	658.8	695.2	733.5	766.4
40°	559.7	591.7	623.9	660.8	696.4	730.5
40.5°	527.7	559.0	589.5	626.8	659.3	694.7
41°	495.8	526.8	555.6	592.9	622.2	660.5
41.5°	463.3	494.5	523.1	558.0	585.2	625.4
42°	431.5	465.0	491.6	525.3	550.8	592.0
42.5°	402.5	434.2	461.6	491.2	516.4	557.5
43°	372.7	406.8	431.5	457.7	484.6	524.3
43.5°	344.8	378.0	401.3	423.5	451.9	490.9



TEST NUMBER: P776055

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRH-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	268.5	295.9	313.8	330.0	363.0	399.3
45.5°	245.7	270.2	286.2	301.9	334.6	369.8
46°	225.3	244.7	259.5	274.8	308.0	342.1
46.5°	205.0	220.3	233.6	249.3	282.0	314.5
47°	184.6	197.7	209.4	225.3	257.1	287.9
47.5°	164.3	176.4	186.3	202.3	232.9	261.9
48°	147.1	155.8	164.8	180.8	209.8	237.7
48.5°	130.8	136.9	144.4	160.6	187.8	214.4
49°	115.1	119.7	125.3	142.2	166.7	192.4
49.5°	101.0	103.7	107.8	125.3	147.3	171.3
50°	88.2	88.7	92.3	109.0	128.9	150.5
50.5°	76.1	79.0	82.1	94.5	112.2	131.3
51°	65.2	69.1	72.0	81.2	96.9	113.2
51.5°	55.0	59.4	61.8	71.0	82.6	96.2
52°	46.3	49.7	51.6	61.1	72.0	80.4
52.5°	38.3	39.7	41.4	50.9	61.3	69.3
53°	31.3	33.2	34.9	40.9	50.9	58.2
53.5°	27.4	27.1	28.8	33.7	40.5	47.0
54°	23.7	22.3	23.7	27.1	32.5	36.1
54.5°	19.9	18.2	19.4	21.8	25.9	28.6
55°	16.0	15.0	15.7	17.4	20.6	22.8
55.5°	12.1	12.8	13.3	14.5	16.5	18.2
56°	11.1	11.6	12.1	12.8	14.3	15.3
56.5°	10.4	10.9	11.1	11.9	12.8	13.6
57°	9.7	10.2	10.4	11.1	11.9	12.6
57.5°	9.2	9.4	9.7	10.2	11.1	11.9
58°	8.5	9.0	9.2	9.4	10.4	10.9
58.5°	7.8	8.2	8.5	9.0	9.7	10.2
59°	7.3	7.8	8.0	8.2	9.0	9.4
59.5°	6.8	7.0	7.3	7.8	8.5	9.0
60°	6.3	6.5	6.8	7.0	7.8	8.2
60.5°	5.8	6.1	6.3	6.5	7.3	7.8
61°	5.6	5.8	5.8	6.1	6.5	7.0
61.5°	5.1	5.3	5.6	5.8	6.3	6.5
62°	4.8	5.1	5.1	5.3	5.8	6.1
62.5°	4.6	4.6	4.8	5.1	5.3	5.8
63°	4.4	4.4	4.6	4.6	5.1	5.3
63.5°	4.1	4.1	4.1	4.4	4.8	5.1
64°	3.9	3.9	3.9	4.1	4.6	4.8
64.5°	3.6	3.6	3.6	3.9	4.1	4.4
65°	3.4	3.4	3.4	3.6	3.9	4.1
65.5°	3.1	3.1	3.4	3.4	3.6	3.9
66°	2.9	3.1	3.1	3.1	3.4	3.6



TEST NUMBER: P776055

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	2.4	2.4	2.7	2.7	2.9	3.1
68°	2.4	2.4	2.4	2.4	2.7	2.9
68.5°	2.2	2.2	2.2	2.4	2.7	2.7
69°	1.9	2.2	2.2	2.2	2.4	2.4
69.5°	1.9	1.9	1.9	2.2	2.2	2.4
70°	1.7	1.9	1.9	1.9	2.2	2.2
70.5°	1.7	1.7	1.7	1.9	1.9	2.2
71°	1.7	1.7	1.7	1.7	1.9	1.9
71.5°	1.5	1.5	1.5	1.7	1.7	1.9
72°	1.5	1.5	1.5	1.5	1.7	1.7
72.5°	1.2	1.5	1.5	1.5	1.5	1.7
73°	1.2	1.2	1.2	1.5	1.5	1.5
73.5°	1.2	1.2	1.2	1.2	1.5	1.5
74°	1.2	1.2	1.2	1.2	1.2	1.2
74.5°	1.0	1.0	1.0	1.2	1.2	1.2
75°	1.0	1.0	1.0	1.0	1.0	1.2
75.5°	1.0	1.0	1.0	1.0	1.0	1.0
76°	0.7	1.0	1.0	1.0	1.0	1.0
76.5°	0.7	0.7	0.7	0.7	1.0	1.0
77°	0.7	0.7	0.7	0.7	0.7	1.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.7
78°	0.7	0.7	0.7	0.7	0.7	0.7
78.5°	0.5	0.5	0.5	0.5	0.7	0.7
79°	0.5	0.5	0.5	0.5	0.5	0.7
79.5°	0.5	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5	0.5
80.5°	0.5	0.5	0.5	0.5	0.5	0.5
81°	0.2	0.5	0.5	0.5	0.5	0.5
81.5°	0.2	0.2	0.2	0.2	0.2	0.5
82°	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2	0.2
83°	0.2	0.2	0.2	0.2	0.2	0.2
83.5°	0.2	0.2	0.2	0.2	0.2	0.2
84°	0.2	0.2	0.2	0.2	0.2	0.2
84.5°	0.2	0.2	0.2	0.2	0.0	0.2
85°	0.0	0.0	0.2	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: P776055
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-2500lm-2700K

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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21.5°	1839.8	1865.7	1878.3	1909.6	1876.9	1855.3	1829.4	1797.7	1765.9	1738.3	1718.2
22°	1806.4	1832.6	1843.9	1875.0	1844.7	1823.1	1797.4	1765.4	1733.7	1705.1	1685.5



44°	459.9	490.9	508.4	541.1	508.6	477.3	446.8	423.3	398.8	370.2	345.0
44.5°	429.8	459.4	474.2	507.1	476.9	446.6	416.5	391.3	369.3	341.7	318.6



66.5°	3.4	3.4	3.1	3.4	3.1	3.1	3.4	3.4	3.4	3.4	3.1
67°	3.1	3.1	3.1	3.1	2.9	3.1	3.1	3.1	3.4	3.1	2.9



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°	1679.4	1700.0	1724.0	1759.1	1802.0	1839.8
22°	1646.9	1667.5	1690.8	1726.2	1769.8	1806.4



44°	317.7	349.9	371.5	391.6	420.9	459.9
44.5°	292.7	322.3	342.4	359.3	391.3	429.8

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66.5°	2.7	2.9	2.9	3.1	3.4	3.4
67°	2.7	2.7	2.7	2.9	3.1	3.1

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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)