

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: P775964

Luminaire Tested: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P775964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B054)  
Test Lab:  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBS1525CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K  
Description: 4 INCH ROUND NARROW LENSED WALLWASH KIT  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2524.6 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Spacing Criteria (0/90/45): 1.05 / 1.01 / 1.07  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

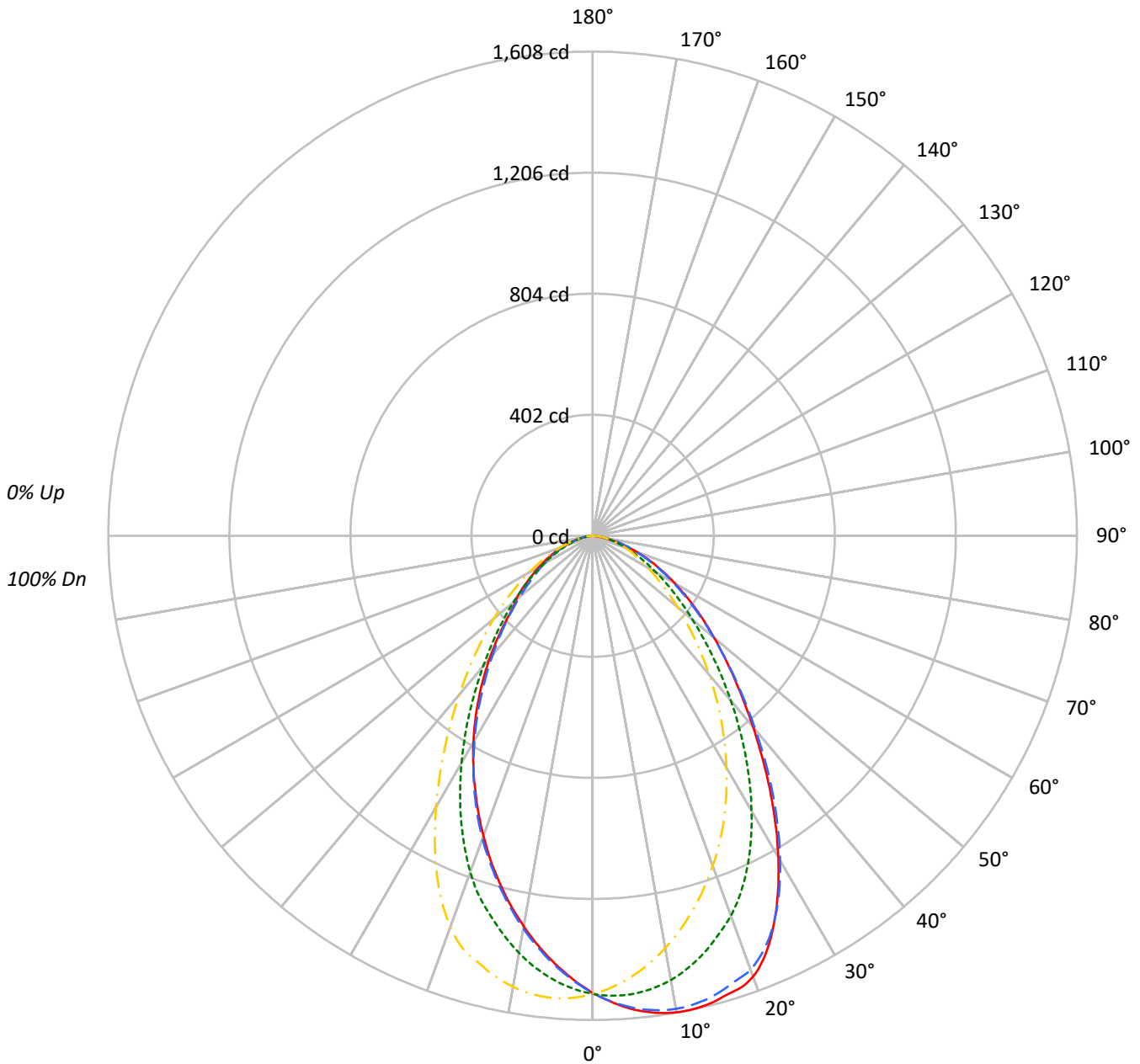
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

### 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								
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77								
3	95	86	79	74	93	85	78	73	82	77	72	79	75	71	77	73	70	68								
4	88	78	71	65	86	77	70	64	74	68	64	72	67	63	70	66	62	60								
5	82	71	63	57	80	70	63	57	68	62	57	66	60	56	64	59	56	54								
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48								
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	45	44								
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	38	49	43	38	48	42	38	36								
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	191317	191317	191317	191317
5°	199539	192957	180312	186994
10°	205373	191406	168327	179764
15°	208046	186705	155487	170301
20°	208604	179863	141989	159065
25°	197736	168715	128418	143637
30°	179222	153355	115005	126486
35°	157506	135659	101306	109065
40°	136077	117218	87350	92854
45°	117911	99899	73790	79022
50°	103141	84796	65158	67233
55°	90617	72099	57903	56894
60°	79285	61289	51045	47647
65°	68669	52083	44936	39635
70°	56114	43934	37973	32638
75°	42012	37246	30731	27084
80°	25221	32541	21887	21525
85°	9675	30179	7797	12707

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 121025 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.1	5.6
10°-20°	388.6	15.4
20°-30°	526.5	20.9
30°-40°	511.7	20.3
40°-50°	405.1	16.0
50°-60°	283.7	11.2
60°-70°	172.0	6.8
70°-80°	78.8	3.1
80°-90°	16.1	0.6
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°	1057.2	41.9
0°-40°	1569.0	62.1
0°-60°	2257.7	89.4
0°-90°	2524.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1520	1520	1520	1520	1520	
5°	1580	1527	1427	1480	1580	152
15°	1597	1433	1193	1307	1597	451
25°	1424	1215	925	1034	1424	650
35°	1025	883	659	710	1025	640
45°	662	561	415	444	662	514
55°	413	329	264	259	413	371
65°	231	175	151	133	231	229
75°	86	77	63	56	86	93
85°	7	21	5	9	7	11
90°	0	2	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°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2
0.5°	1524.8	1525.6	1525.1	1524.3	1523.6	1520.7	1518.6	1517.9	1509.4	1509.1	1510.7
1°	1532.1	1533.1	1532.3	1529.2	1525.4	1519.4	1514.5	1511.2	1501.1	1501.1	1503.2
1.5°	1539.0	1540.3	1538.3	1533.4	1526.9	1518.1	1510.1	1504.7	1492.6	1492.1	1495.2
2°	1545.7	1547.5	1544.2	1537.7	1527.9	1516.1	1505.5	1497.5	1484.1	1483.0	1486.7
2.5°	1552.2	1554.5	1550.1	1541.6	1529.0	1514.0	1500.3	1490.5	1475.1	1474.0	1478.1
3°	1558.4	1560.7	1555.8	1545.0	1529.2	1511.2	1494.9	1482.5	1465.8	1464.7	1469.6
3.5°	1564.3	1566.9	1560.7	1548.1	1529.5	1508.3	1489.2	1475.1	1456.5	1454.9	1460.6
4°	1569.7	1572.6	1565.6	1550.6	1529.0	1505.0	1483.3	1466.8	1447.2	1445.1	1451.6
4.5°	1574.9	1578.0	1570.0	1553.0	1528.5	1501.6	1477.1	1458.3	1437.1	1435.1	1442.0
5°	1579.5	1583.4	1574.1	1555.0	1527.4	1497.5	1470.4	1449.8	1427.3	1424.7	1432.7
5.5°	1583.9	1588.3	1578.0	1556.6	1526.1	1493.4	1463.7	1441.0	1416.8	1414.2	1422.4
6°	1588.0	1592.7	1581.3	1558.1	1524.3	1488.5	1456.2	1431.7	1406.7	1403.3	1412.6
6.5°	1591.7	1596.8	1584.4	1559.1	1522.3	1483.8	1449.0	1422.4	1396.1	1392.8	1402.0
7°	1595.0	1600.4	1587.0	1559.7	1519.9	1478.4	1441.3	1413.1	1385.3	1381.7	1391.2
7.5°	1598.1	1603.8	1589.3	1559.7	1516.8	1473.0	1433.5	1403.3	1374.4	1370.3	1380.6
8°	1600.4	1606.6	1591.4	1559.7	1513.7	1467.1	1425.3	1393.3	1363.4	1358.7	1369.8
8.5°	1602.7	1609.2	1592.9	1559.1	1510.4	1461.1	1416.8	1383.0	1352.0	1347.6	1359.0
9°	1604.6	1611.5	1594.2	1558.1	1506.5	1454.4	1408.0	1372.9	1340.7	1335.8	1347.6
9.5°	1606.1	1613.3	1594.7	1556.6	1502.4	1447.7	1399.2	1362.3	1328.8	1323.9	1336.0
10°	1607.1	1614.6	1595.3	1554.8	1497.8	1440.5	1390.2	1352.0	1317.2	1312.0	1324.4
10.5°	1607.6	1615.6	1595.0	1552.7	1492.9	1433.3	1380.6	1340.9	1305.3	1299.9	1312.8
11°	1607.9	1616.2	1594.7	1550.4	1487.4	1425.5	1370.8	1329.8	1293.4	1287.8	1300.9
11.5°	1607.9	1616.4	1594.0	1547.3	1481.8	1417.8	1361.3	1318.7	1281.3	1275.4	1288.8
12°	1607.4	1616.4	1592.7	1544.2	1475.8	1409.5	1351.2	1307.6	1269.2	1263.0	1276.4
12.5°	1606.6	1615.9	1591.1	1540.6	1469.4	1400.8	1340.9	1296.0	1256.8	1250.1	1264.3
13°	1605.3	1614.9	1589.1	1536.7	1462.9	1392.2	1330.6	1284.4	1244.4	1237.7	1252.2
13.5°	1603.5	1613.8	1587.0	1532.3	1456.0	1383.5	1320.0	1272.5	1231.8	1224.8	1239.5
14°	1601.7	1611.8	1584.2	1527.2	1448.7	1373.9	1308.9	1260.7	1219.1	1211.7	1226.9
14.5°	1599.4	1609.7	1581.1	1522.0	1441.0	1364.4	1297.8	1248.6	1206.3	1199.0	1214.0
15°	1596.8	1607.4	1577.5	1516.6	1433.0	1354.3	1286.7	1236.4	1193.4	1185.6	1201.1
15.5°	1593.5	1604.3	1573.6	1510.9	1425.0	1344.5	1275.4	1224.1	1180.5	1172.7	1187.9
16°	1589.8	1601.2	1569.2	1504.7	1416.2	1334.2	1263.5	1211.7	1167.6	1159.6	1175.0
16.5°	1587.0	1597.6	1564.6	1498.3	1407.5	1323.9	1251.9	1199.0	1154.4	1146.4	1161.9
17°	1584.7	1594.2	1559.9	1491.6	1398.2	1313.0	1240.3	1186.6	1141.2	1132.5	1149.0
17.5°	1582.6	1591.9	1555.0	1484.1	1389.1	1302.2	1228.2	1173.7	1127.8	1119.1	1135.8
18°	1580.6	1589.8	1551.2	1477.4	1379.9	1291.1	1215.8	1160.8	1114.4	1105.6	1122.4
18.5°	1576.7	1587.5	1547.5	1470.7	1370.8	1280.3	1203.7	1148.0	1101.0	1092.2	1109.3
19°	1571.8	1584.2	1543.9	1464.5	1361.8	1269.2	1191.3	1135.1	1087.6	1078.8	1096.6
19.5°	1565.1	1579.0	1539.3	1458.0	1352.8	1258.4	1179.4	1122.2	1073.9	1065.4	1083.5
20°	1557.6	1572.8	1533.1	1450.8	1343.0	1246.8	1166.5	1109.3	1060.2	1051.7	1070.0
20.5°	1549.1	1565.3	1525.6	1442.3	1332.1	1235.4	1154.4	1095.8	1046.6	1038.1	1056.4
21°	1539.0	1557.1	1516.8	1433.5	1320.5	1222.8	1141.2	1082.4	1033.4	1024.6	1042.4



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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°	1502.4	1525.6	1486.9	1400.5	1284.4	1184.3	1102.3	1042.4	992.4	983.9	1000.9
23°	1488.0	1513.0	1475.6	1388.9	1271.0	1170.9	1088.6	1028.8	978.7	970.5	986.7
23.5°	1473.0	1499.8	1463.2	1376.5	1257.8	1157.5	1075.2	1015.4	965.6	956.8	972.3
24°	1457.5	1485.6	1450.5	1363.4	1243.9	1143.0	1061.3	1001.9	951.9	943.4	958.1
24.5°	1441.0	1470.4	1436.6	1349.4	1229.7	1128.9	1047.3	988.0	938.2	929.7	943.9
25°	1424.0	1454.4	1422.2	1335.2	1215.0	1114.4	1032.9	974.3	924.8	916.3	929.7
25.5°	1406.7	1437.6	1406.7	1320.8	1200.3	1099.7	1019.0	960.7	911.4	902.4	915.0
26°	1388.9	1420.6	1391.0	1305.6	1185.4	1085.0	1005.0	947.0	898.2	888.4	900.6
26.5°	1370.3	1403.3	1374.7	1290.3	1169.9	1069.8	990.6	933.1	884.6	875.0	886.1
27°	1352.0	1385.0	1357.7	1274.4	1153.9	1054.6	976.1	919.1	871.4	861.4	871.7
27.5°	1333.2	1366.4	1340.1	1258.1	1138.1	1039.6	961.4	905.5	857.7	847.7	857.0
28°	1313.3	1347.1	1321.6	1241.1	1121.9	1024.6	947.0	891.8	844.6	834.0	842.3
28.5°	1293.7	1327.5	1302.5	1224.1	1105.9	1008.9	932.5	877.6	831.4	820.3	827.8
29°	1273.8	1307.9	1283.9	1206.8	1089.1	993.2	917.8	863.7	818.3	806.7	813.4
29.5°	1253.5	1288.0	1265.1	1188.7	1072.4	978.0	903.4	850.0	804.9	793.2	798.9
30°	1233.3	1267.4	1245.5	1171.2	1055.3	962.2	888.4	836.3	791.4	779.6	784.2
30.5°	1212.7	1247.0	1225.3	1152.9	1038.3	946.2	873.7	822.4	778.0	766.2	770.0
31°	1191.8	1226.1	1205.2	1134.0	1021.8	930.7	859.3	808.5	764.9	752.5	755.8
31.5°	1171.4	1205.0	1185.1	1115.4	1004.3	914.7	844.6	794.8	751.7	738.8	741.9
32°	1150.3	1183.6	1164.5	1096.1	987.0	899.3	830.1	781.1	738.6	725.7	727.7
32.5°	1129.1	1162.1	1143.8	1077.0	969.7	883.5	815.2	767.5	725.1	712.2	713.3
33°	1108.2	1141.0	1123.4	1057.9	952.2	867.5	800.7	754.0	712.0	698.8	699.1
33.5°	1087.1	1119.8	1103.6	1038.6	935.1	851.8	786.3	739.8	698.8	685.4	685.7
34°	1066.4	1098.4	1082.7	1019.0	917.6	835.6	771.8	726.4	685.7	672.0	671.5
34.5°	1045.8	1076.8	1061.8	999.6	900.0	819.8	757.4	713.0	672.3	658.8	657.8
35°	1025.2	1055.6	1040.9	980.3	883.0	804.3	742.7	699.6	659.4	645.9	643.9
35.5°	1004.5	1034.7	1020.3	961.2	865.5	788.6	728.8	685.9	646.5	633.0	630.7
36°	983.6	1013.8	999.9	942.1	848.2	772.9	714.6	672.8	633.3	620.2	617.3
36.5°	963.8	993.2	979.5	922.7	830.7	757.1	700.1	659.6	620.4	607.3	604.2
37°	943.4	972.0	959.1	904.2	814.1	742.2	685.7	646.5	607.3	594.4	591.0
37.5°	923.8	951.4	939.3	885.3	796.6	726.4	671.5	633.3	594.9	582.0	578.1
38°	903.9	931.3	918.6	866.0	780.1	711.2	657.8	620.7	582.0	569.3	565.2
38.5°	884.8	911.1	899.0	847.9	763.3	696.0	643.4	607.5	569.3	556.7	553.1
39°	865.7	891.3	879.2	829.1	746.8	681.3	629.4	594.9	556.9	544.3	540.4
39.5°	847.2	871.9	860.6	811.6	729.8	666.1	615.5	582.0	544.3	532.2	528.1
40°	828.3	852.8	841.2	792.7	713.5	651.1	602.1	569.3	531.7	519.8	515.9
40.5°	810.5	834.3	822.4	775.7	697.5	635.9	588.4	556.2	519.5	507.7	504.3
41°	792.7	815.2	803.8	757.9	681.3	622.0	575.3	543.8	507.4	495.8	492.5
41.5°	774.9	797.6	785.8	740.4	665.3	607.0	562.1	531.2	495.3	483.9	481.1
42°	757.9	779.6	767.7	722.8	650.1	592.8	549.2	519.3	483.2	472.6	470.3
42.5°	741.4	762.0	750.4	706.8	634.9	579.1	536.3	506.9	471.6	461.5	459.4
43°	724.9	745.3	733.4	690.3	619.6	565.5	523.9	495.0	459.7	450.4	448.3
43.5°	708.9	728.5	716.1	674.1	604.7	551.8	511.3	482.9	448.1	439.8	437.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	662.5	680.0	667.4	626.6	561.3	512.8	475.2	449.1	414.6	409.7	406.8
45.5°	647.5	664.8	651.6	611.4	547.4	500.2	463.8	438.5	403.7	400.1	397.0
46°	633.0	649.8	636.4	596.7	533.7	488.1	452.5	428.0	393.4	390.3	387.2
46.5°	618.9	634.9	621.2	582.0	520.3	475.7	441.6	417.4	383.3	380.8	377.4
47°	604.9	620.2	606.7	567.5	506.9	463.6	430.5	407.1	373.8	371.7	367.9
47.5°	591.5	606.0	592.0	553.6	494.0	452.0	419.7	397.0	364.8	363.0	358.6
48°	577.8	591.8	577.6	539.2	481.1	440.1	409.1	387.2	356.8	354.2	349.8
48.5°	564.4	578.4	563.9	526.0	468.7	429.0	398.6	377.4	349.8	345.7	340.8
49°	551.8	564.9	550.2	512.8	456.6	417.9	388.5	368.1	343.6	337.4	332.3
49.5°	539.2	551.8	537.1	499.9	444.7	407.1	378.2	358.8	337.9	329.7	323.7
50°	526.8	539.2	524.2	487.0	433.1	396.5	368.4	349.8	332.8	322.5	315.5
50.5°	514.6	526.3	511.0	474.4	421.5	385.9	358.8	341.0	327.6	315.2	307.0
51°	502.5	513.9	498.4	462.3	410.2	375.9	349.3	332.5	321.7	308.8	299.2
51.5°	490.7	501.7	486.3	450.4	399.6	366.1	340.3	324.3	314.7	302.9	291.8
52°	479.0	489.6	474.1	438.3	388.8	356.3	331.0	316.3	307.0	295.9	284.0
52.5°	467.7	477.8	462.3	426.9	378.2	346.7	322.2	308.5	299.5	288.9	276.5
53°	456.6	466.4	450.4	415.8	367.9	337.2	313.4	301.3	292.3	282.0	269.3
53.5°	445.3	454.8	439.1	404.5	357.8	327.9	304.9	293.8	284.8	275.0	262.1
54°	434.4	443.7	427.7	393.7	348.0	318.8	296.7	287.1	277.6	268.3	255.1
54.5°	423.6	432.4	416.4	383.1	337.9	310.1	288.4	280.9	270.9	261.6	248.4
55°	413.0	421.8	406.0	372.5	328.6	301.6	280.7	274.5	263.9	255.4	242.0
55.5°	402.4	410.9	395.2	362.4	319.4	292.8	272.9	268.0	257.5	248.4	235.5
56°	392.1	400.4	384.6	352.1	310.3	284.3	265.2	261.3	250.7	242.0	229.3
56.5°	382.0	390.0	374.3	342.3	301.6	276.3	257.7	254.9	244.3	236.0	223.7
57°	372.2	380.0	364.2	332.8	292.5	268.0	250.5	248.4	237.8	230.1	218.0
57.5°	361.9	369.7	354.4	323.2	284.0	260.3	243.5	242.2	231.9	223.9	212.6
58°	352.4	359.6	344.4	313.9	275.5	252.5	236.8	236.0	225.7	218.2	206.9
58.5°	342.8	349.8	334.8	304.7	267.8	245.1	230.1	229.8	220.0	212.6	201.5
59°	333.3	340.5	325.6	295.6	259.5	237.6	223.7	223.9	214.1	206.9	195.8
59.5°	324.0	330.5	316.0	286.9	251.5	230.4	217.7	218.2	208.4	201.2	190.6
60°	315.0	321.7	307.0	278.3	243.5	223.4	211.8	212.6	202.8	195.5	185.5
60.5°	305.9	312.4	298.0	269.6	236.3	216.9	205.9	206.9	197.1	190.1	180.3
61°	296.9	303.4	289.2	261.6	228.8	210.2	199.9	201.2	191.7	185.0	175.2
61.5°	288.1	294.1	280.2	253.3	221.9	203.5	194.0	195.5	186.3	179.5	170.3
62°	279.6	285.8	271.9	245.3	214.9	196.8	188.8	190.1	181.1	174.4	165.4
62.5°	271.4	277.1	263.6	237.6	207.9	190.4	183.4	185.0	175.7	169.2	160.5
63°	262.9	268.5	255.1	229.8	201.0	184.2	178.3	179.5	170.8	164.6	155.6
63.5°	254.6	260.0	247.1	222.4	194.0	178.3	173.1	174.4	165.6	159.4	150.9
64°	246.6	251.8	239.1	214.9	187.3	172.3	168.5	169.2	160.7	154.8	146.3
64.5°	238.6	243.8	231.4	207.7	181.1	166.6	163.6	164.3	155.8	149.9	141.9
65°	230.6	236.0	223.7	200.4	174.9	161.0	158.9	159.7	150.9	145.2	137.2
65.5°	222.6	227.8	215.9	193.7	168.7	155.6	154.0	154.8	145.8	140.6	132.9
66°	214.4	220.3	208.7	187.0	162.8	150.1	149.6	149.9	140.8	135.9	128.7





TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	190.6	197.3	187.0	167.2	145.8	135.2	135.9	135.9	126.1	122.3	116.1
68°	182.9	189.9	180.1	161.0	140.3	130.3	131.8	131.3	121.5	117.9	112.0
68.5°	174.9	182.4	173.4	155.0	134.9	125.6	127.4	126.7	116.9	113.2	108.1
69°	167.4	174.9	166.9	148.8	129.8	121.0	123.3	122.3	112.2	109.1	104.2
69.5°	159.9	167.7	160.5	143.2	124.6	116.9	118.9	117.6	107.6	104.7	100.3
70°	152.5	160.5	154.0	137.2	119.4	112.5	115.1	113.2	103.2	100.6	96.5
70.5°	145.5	153.5	147.8	131.6	114.5	108.3	110.9	109.1	99.1	96.5	92.9
71°	138.3	146.8	141.6	126.1	109.9	104.5	107.1	104.7	94.7	92.1	89.0
71.5°	131.3	139.8	135.7	120.7	105.3	100.6	103.2	100.6	90.5	88.2	85.4
72°	124.3	133.4	130.0	115.6	100.9	96.7	99.3	96.5	86.4	84.4	81.8
72.5°	117.9	127.2	124.1	110.7	96.5	93.1	95.7	92.4	82.3	80.2	78.2
73°	111.4	120.7	118.4	105.8	92.4	89.3	91.8	88.5	78.2	76.6	74.8
73.5°	104.7	114.8	113.0	100.6	88.2	85.9	88.2	84.4	74.3	72.7	71.5
74°	98.5	108.6	107.3	96.0	84.4	82.5	84.6	80.7	70.4	68.9	68.1
74.5°	92.1	102.7	102.2	92.6	80.5	79.2	81.3	76.9	66.8	65.3	64.5
75°	86.4	97.0	97.0	88.2	76.6	75.8	77.6	73.3	63.2	61.7	61.4
75.5°	80.7	91.3	91.6	83.8	73.0	72.7	74.3	69.7	59.6	58.3	58.0
76°	75.1	86.4	86.9	79.2	69.7	69.7	70.9	66.0	56.0	54.7	54.9
76.5°	69.4	81.3	82.3	74.8	66.0	66.6	67.6	62.4	52.4	51.3	51.9
77°	64.0	76.1	77.9	70.7	62.9	63.5	64.2	59.1	49.0	48.0	48.8
77.5°	58.6	70.9	73.3	66.8	59.6	60.6	60.9	55.7	45.7	44.9	45.9
78°	53.4	66.0	68.6	63.2	56.5	57.8	58.0	52.4	42.6	41.5	43.1
78.5°	48.5	61.7	64.2	59.6	53.4	54.7	54.7	49.0	39.2	38.4	40.0
79°	43.6	57.0	60.1	56.0	50.3	51.9	51.9	45.7	36.1	35.3	37.1
79.5°	39.2	52.6	56.0	52.4	47.5	49.3	48.8	42.6	33.0	32.5	34.6
80°	34.8	48.2	51.9	49.0	44.9	46.4	45.9	39.5	30.2	29.4	31.7
80.5°	31.0	44.4	48.0	45.9	42.0	43.9	43.1	36.6	27.1	26.6	29.2
81°	27.1	40.5	44.4	42.8	39.5	41.3	40.2	33.5	24.5	24.0	26.6
81.5°	23.5	36.9	40.8	39.7	36.9	38.7	37.4	30.7	21.7	21.4	24.2
82°	19.9	33.3	37.1	36.9	34.3	36.1	34.8	27.9	19.1	18.8	21.9
82.5°	16.5	29.7	33.8	34.1	32.0	33.5	32.0	25.3	16.3	16.3	19.6
83°	13.7	26.3	30.7	31.2	29.7	31.2	29.4	22.7	13.4	13.7	17.3
83.5°	11.1	23.2	27.6	28.6	27.3	28.9	27.1	20.1	11.1	11.6	15.0
84°	9.0	19.9	24.8	26.1	25.0	26.3	24.8	17.5	8.8	9.8	12.9
84.5°	7.7	17.0	21.9	23.7	23.0	24.2	22.4	15.0	6.7	8.3	11.1
85°	6.7	14.2	19.3	21.4	20.9	21.9	20.4	12.9	5.4	7.0	9.0
85.5°	5.4	11.6	17.0	19.1	18.8	19.9	18.1	11.1	4.6	5.7	7.2
86°	4.4	9.3	14.7	17.0	16.8	17.5	15.7	9.5	3.9	4.6	5.2
86.5°	3.6	7.7	12.6	14.7	14.7	15.2	13.7	8.3	3.1	3.4	3.6
87°	3.1	6.2	10.6	12.9	12.9	13.2	11.6	6.7	2.3	2.3	2.1
87.5°	2.3	4.6	9.0	11.1	11.1	11.1	9.5	5.4	1.5	1.3	0.8
88°	1.8	3.1	7.5	9.3	9.0	9.3	7.7	4.1	1.0	0.5	0.3
88.5°	1.3	2.1	5.7	7.5	7.2	7.2	5.9	2.8	0.3	0.3	0.0



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.5	1.5	2.8	2.3	2.1	1.0	0.3	0.0	0.3	0.0



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1520.2	1520.2	1520.2	1520.2	1520.2	1520.2
0.5°	1513.2	1518.9	1521.7	1525.9	1529.7	1524.8
1°	1507.6	1515.8	1522.0	1528.7	1535.2	1532.1
1.5°	1501.4	1512.5	1521.7	1531.5	1540.3	1539.0
2°	1495.2	1509.1	1521.0	1533.9	1545.2	1545.7
2.5°	1488.5	1505.0	1520.2	1535.9	1549.9	1552.2
3°	1481.5	1500.8	1518.6	1537.5	1554.0	1558.4
3.5°	1474.0	1496.2	1517.1	1539.0	1557.9	1564.3
4°	1466.5	1491.3	1514.8	1539.8	1561.0	1569.7
4.5°	1458.8	1485.9	1512.5	1540.3	1564.1	1574.9
5°	1450.5	1480.2	1509.6	1540.6	1567.1	1579.5
5.5°	1442.0	1474.5	1506.3	1540.3	1569.5	1583.9
6°	1433.5	1468.1	1502.9	1539.8	1571.3	1588.0
6.5°	1424.7	1461.4	1499.0	1538.8	1572.8	1591.7
7°	1415.2	1454.4	1494.7	1537.2	1574.1	1595.0
7.5°	1405.9	1447.2	1490.0	1535.4	1575.1	1598.1
8°	1396.4	1440.0	1485.1	1533.4	1575.4	1600.4
8.5°	1386.3	1432.0	1479.7	1531.0	1575.4	1602.7
9°	1376.3	1423.7	1474.0	1528.2	1575.1	1604.6
9.5°	1365.7	1415.2	1468.1	1524.8	1574.6	1606.1
10°	1355.1	1406.7	1461.9	1521.2	1573.6	1607.1
10.5°	1344.3	1397.7	1455.4	1517.4	1572.3	1607.6
11°	1333.4	1388.6	1448.2	1513.0	1570.5	1607.9
11.5°	1322.3	1379.1	1440.7	1508.3	1568.2	1607.9
12°	1311.0	1369.0	1433.5	1503.4	1565.6	1607.4
12.5°	1299.6	1359.2	1425.8	1498.0	1562.8	1606.6
13°	1288.0	1349.2	1417.5	1492.3	1559.7	1605.3
13.5°	1275.9	1338.8	1409.0	1486.7	1556.1	1603.5
14°	1263.8	1328.0	1400.2	1480.0	1551.9	1601.7
14.5°	1251.7	1317.7	1392.0	1473.5	1548.1	1599.4
15°	1240.0	1307.1	1383.2	1467.3	1543.2	1596.8
15.5°	1227.9	1296.8	1375.2	1461.9	1539.3	1593.5
16°	1216.1	1286.2	1367.2	1457.0	1536.2	1589.8
16.5°	1203.9	1275.9	1359.2	1451.3	1533.1	1587.0
17°	1191.8	1265.3	1349.9	1444.6	1529.5	1584.7
17.5°	1179.4	1254.0	1339.4	1436.1	1524.6	1582.6
18°	1167.0	1241.9	1328.0	1427.1	1517.6	1580.6
18.5°	1154.1	1229.2	1315.9	1416.8	1509.4	1576.7
19°	1140.7	1215.5	1303.2	1405.9	1500.1	1571.8
19.5°	1127.1	1201.9	1290.3	1394.1	1490.5	1565.1
20°	1113.1	1187.7	1277.2	1381.7	1479.4	1557.6
20.5°	1098.7	1173.7	1263.0	1368.8	1468.1	1549.1
21°	1084.5	1158.8	1248.6	1354.8	1455.4	1539.0

TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1040.1	1113.6	1203.9	1310.7	1413.1	1502.4
23°	1025.2	1098.2	1188.2	1295.3	1397.4	1488.0
23.5°	1009.7	1082.4	1171.9	1278.7	1381.2	1473.0
24°	994.5	1066.4	1155.9	1262.2	1363.9	1457.5
24.5°	979.0	1050.4	1139.2	1244.7	1346.6	1441.0
25°	963.8	1034.4	1122.4	1227.1	1328.3	1424.0
25.5°	948.3	1018.5	1105.1	1209.3	1310.2	1406.7
26°	932.8	1002.2	1087.8	1191.0	1291.4	1388.9
26.5°	917.6	985.7	1071.1	1172.7	1272.8	1370.3
27°	902.1	969.2	1053.3	1153.9	1253.7	1352.0
27.5°	886.6	952.7	1035.7	1135.1	1233.9	1333.2
28°	871.2	936.2	1017.4	1115.7	1214.0	1313.3
28.5°	855.9	919.4	999.9	1096.6	1194.6	1293.7
29°	840.5	903.4	982.3	1077.5	1175.0	1273.8
29.5°	825.0	886.9	964.3	1057.9	1154.9	1253.5
30°	809.8	870.4	946.2	1039.6	1134.8	1233.3
30.5°	794.5	853.9	928.2	1020.3	1114.7	1212.7
31°	779.3	837.9	910.4	1000.9	1095.1	1191.8
31.5°	764.4	821.4	892.8	982.1	1075.2	1171.4
32°	748.9	805.1	875.0	963.2	1054.8	1150.3
32.5°	734.4	789.1	857.5	944.2	1035.0	1129.1
33°	719.5	772.9	839.9	926.4	1015.1	1108.2
33.5°	704.5	756.9	822.9	907.8	995.2	1087.1
34°	690.1	741.1	805.6	889.5	976.4	1066.4
34.5°	675.6	725.4	788.9	871.4	956.5	1045.8
35°	661.2	709.9	772.1	853.6	937.5	1025.2
35.5°	647.0	694.2	755.3	835.8	918.4	1004.5
36°	633.0	679.5	739.6	819.0	899.8	983.6
36.5°	619.1	664.3	723.3	801.0	881.5	963.8
37°	605.2	649.6	708.1	784.5	862.6	943.4
37.5°	592.0	634.6	692.1	767.7	844.6	923.8
38°	578.6	620.4	676.9	751.5	826.5	903.9
38.5°	565.7	606.2	661.7	734.7	808.7	884.8
39°	553.1	592.3	647.0	719.2	792.0	865.7
39.5°	539.9	578.4	632.5	703.5	774.7	847.2
40°	527.3	565.2	617.8	688.0	757.6	828.3
40.5°	515.2	551.8	603.9	672.3	741.1	810.5
41°	503.0	539.2	590.0	657.6	724.9	792.7
41.5°	490.9	526.3	576.6	642.6	708.9	774.9
42°	479.6	513.9	563.1	628.4	693.2	757.9
42.5°	468.0	501.5	549.7	614.2	677.7	741.4
43°	456.9	489.9	536.8	600.3	662.5	724.9
43.5°	445.8	477.8	523.9	586.4	647.8	708.9



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	414.3	444.0	487.0	546.6	604.9	662.5
45.5°	404.2	432.9	475.4	533.7	591.3	647.5
46°	394.2	422.3	463.6	521.1	577.8	633.0
46.5°	384.4	411.7	452.5	508.7	564.4	618.9
47°	374.6	401.4	440.9	496.3	551.5	604.9
47.5°	365.3	391.3	430.0	484.5	538.6	591.5
48°	356.0	381.5	419.2	472.6	526.3	577.8
48.5°	347.0	371.7	408.4	461.0	513.9	564.4
49°	337.7	362.2	398.0	449.9	502.0	551.8
49.5°	328.9	352.6	387.7	438.8	490.1	539.2
50°	320.4	343.4	377.4	427.5	478.3	526.8
50.5°	311.9	334.3	367.6	416.6	466.9	514.6
51°	303.6	325.3	357.8	406.3	455.6	502.5
51.5°	295.4	316.3	348.3	395.7	444.7	490.7
52°	287.1	308.0	338.7	385.7	433.4	479.0
52.5°	279.1	299.5	329.7	375.6	422.8	467.7
53°	271.4	291.2	320.4	365.5	412.2	456.6
53.5°	263.6	283.0	311.6	356.0	401.7	445.3
54°	256.2	274.7	302.9	346.2	391.3	434.4
54.5°	248.9	267.0	294.3	336.6	381.5	423.6
55°	241.7	259.3	285.8	327.4	371.2	413.0
55.5°	234.5	251.8	277.6	318.3	361.7	402.4
56°	227.8	244.3	269.1	309.3	351.9	392.1
56.5°	221.3	237.1	261.3	300.5	342.3	382.0
57°	214.9	229.6	253.3	291.8	332.8	372.2
57.5°	208.4	222.9	245.6	283.2	323.5	361.9
58°	202.0	215.7	238.1	274.7	314.2	352.4
58.5°	195.5	209.0	230.9	266.7	305.4	342.8
59°	189.6	202.2	223.4	258.5	296.4	333.3
59.5°	183.7	195.8	216.4	250.5	287.9	324.0
60°	178.3	189.3	209.2	242.7	279.1	315.0
60.5°	172.6	183.2	202.5	235.0	270.9	305.9
61°	167.2	177.2	195.5	227.5	262.1	296.9
61.5°	161.7	171.0	189.1	220.0	254.4	288.1
62°	156.6	165.1	182.6	212.6	246.4	279.6
62.5°	151.4	159.4	176.2	205.6	238.4	271.4
63°	146.5	154.0	170.0	198.4	230.4	262.9
63.5°	141.6	148.6	164.1	191.7	222.9	254.6
64°	137.0	143.2	157.9	184.7	215.4	246.6
64.5°	132.6	138.0	152.2	178.0	207.9	238.6
65°	128.2	133.1	146.5	171.5	200.7	230.6
65.5°	124.1	128.0	141.1	165.1	193.7	222.6
66°	120.0	123.1	135.4	158.6	186.8	214.4



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	108.1	109.4	119.7	140.6	165.6	190.6
68°	104.5	105.0	114.8	134.9	158.9	182.9
68.5°	100.6	100.9	110.2	129.2	152.2	174.9
69°	97.0	96.7	105.5	123.6	145.5	167.4
69.5°	93.4	92.4	100.6	118.4	139.0	159.9
70°	89.8	88.7	96.2	113.2	132.9	152.5
70.5°	86.4	85.4	92.1	108.1	126.7	145.5
71°	83.1	81.8	88.2	102.9	120.5	138.3
71.5°	79.5	78.2	84.1	98.0	114.5	131.3
72°	76.4	74.8	80.0	93.4	108.6	124.3
72.5°	73.3	71.5	75.8	88.7	102.9	117.9
73°	69.7	68.1	72.2	84.4	97.5	111.4
73.5°	66.6	65.0	68.4	79.7	91.6	104.7
74°	63.5	61.9	64.7	75.3	86.7	98.5
74.5°	60.6	58.8	61.4	70.9	81.8	92.1
75°	57.5	55.7	58.0	66.8	76.9	86.4
75.5°	54.7	52.9	54.7	62.7	72.0	80.7
76°	51.9	50.0	51.6	58.6	67.3	75.1
76.5°	49.0	47.2	48.2	54.9	62.7	69.4
77°	46.2	44.6	45.4	51.1	58.3	64.0
77.5°	43.6	42.0	42.3	47.5	53.9	58.6
78°	40.8	39.5	39.5	44.1	49.8	53.4
78.5°	38.2	36.9	36.9	40.5	45.7	48.5
79°	35.6	34.6	34.3	37.4	41.8	43.6
79.5°	33.0	32.0	31.5	34.1	37.9	39.2
80°	30.4	29.7	29.2	31.2	34.3	34.8
80.5°	28.1	27.6	26.6	28.4	30.7	31.0
81°	25.8	25.3	24.5	25.5	27.3	27.1
81.5°	23.5	23.0	22.2	22.7	24.0	23.5
82°	21.2	20.9	19.9	20.4	20.9	19.9
82.5°	18.8	18.8	17.8	18.1	17.8	16.5
83°	16.8	16.8	15.7	15.7	15.0	13.7
83.5°	14.4	14.4	13.7	13.7	12.6	11.1
84°	12.4	12.6	11.9	11.6	10.3	9.0
84.5°	10.3	10.6	10.1	9.8	8.8	7.7
85°	8.3	8.8	8.5	8.3	7.0	6.7
85.5°	6.2	7.2	6.7	6.7	5.4	5.4
86°	4.4	5.4	5.2	5.2	3.9	4.4
86.5°	2.6	3.6	3.4	3.6	2.8	3.6
87°	1.3	1.8	2.1	2.6	2.1	3.1
87.5°	0.3	0.5	0.8	1.3	1.3	2.3
88°	0.0	0.0	0.0	0.3	0.8	1.8
88.5°	0.0	0.0	0.0	0.0	0.3	1.3



TEST NUMBER: P775964

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-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



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Scaled Data Report





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

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Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





21.5°	1527.4	1547.5	1507.8	1423.2	1308.9	1210.1	1128.6	1069.3	1019.7	1010.7	1029.0
22°	1515.0	1537.2	1497.8	1412.1	1296.8	1197.5	1115.4	1055.9	1006.1	997.3	1014.8



44°	692.9	711.7	699.3	657.0	590.2	538.6	499.2	471.6	436.7	429.8	427.5
44.5°	677.4	695.7	683.6	642.1	575.8	525.5	487.0	460.0	425.9	420.0	417.1



66.5°	206.4	212.8	201.2	180.1	156.8	145.0	145.0	145.5	135.9	131.3	124.3
67°	198.4	204.8	194.2	173.6	151.2	140.1	140.3	140.6	131.0	126.9	120.2



89°	0.8	1.5	4.1	5.9	5.4	5.4	4.1	1.8	0.0	0.3	0.0
89.5°	0.3	1.0	2.6	4.4	3.9	3.6	2.3	0.8	0.0	0.3	0.0



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21.5°	1070.0	1143.8	1234.1	1340.9	1442.3	1527.4
22°	1055.3	1129.1	1219.1	1326.2	1427.8	1515.0



44°	435.2	466.1	511.5	572.7	633.0	692.9
44.5°	424.6	454.8	499.4	559.5	618.9	677.4



66.5°	115.8	118.4	130.0	152.5	179.5	206.4
67°	112.0	113.8	124.9	146.5	172.6	198.4

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89°	0.0	0.0	0.0	0.0	0.3	0.8
89.5°	0.0	0.0	0.0	0.0	0.0	0.3

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)