

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: P776062

Luminaire Tested: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B061)  
Test Lab:  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K  
Description: 6 INCH ROUND NARROW LENSED WALLWASH KIT  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2859.4 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.09 / 1.15  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

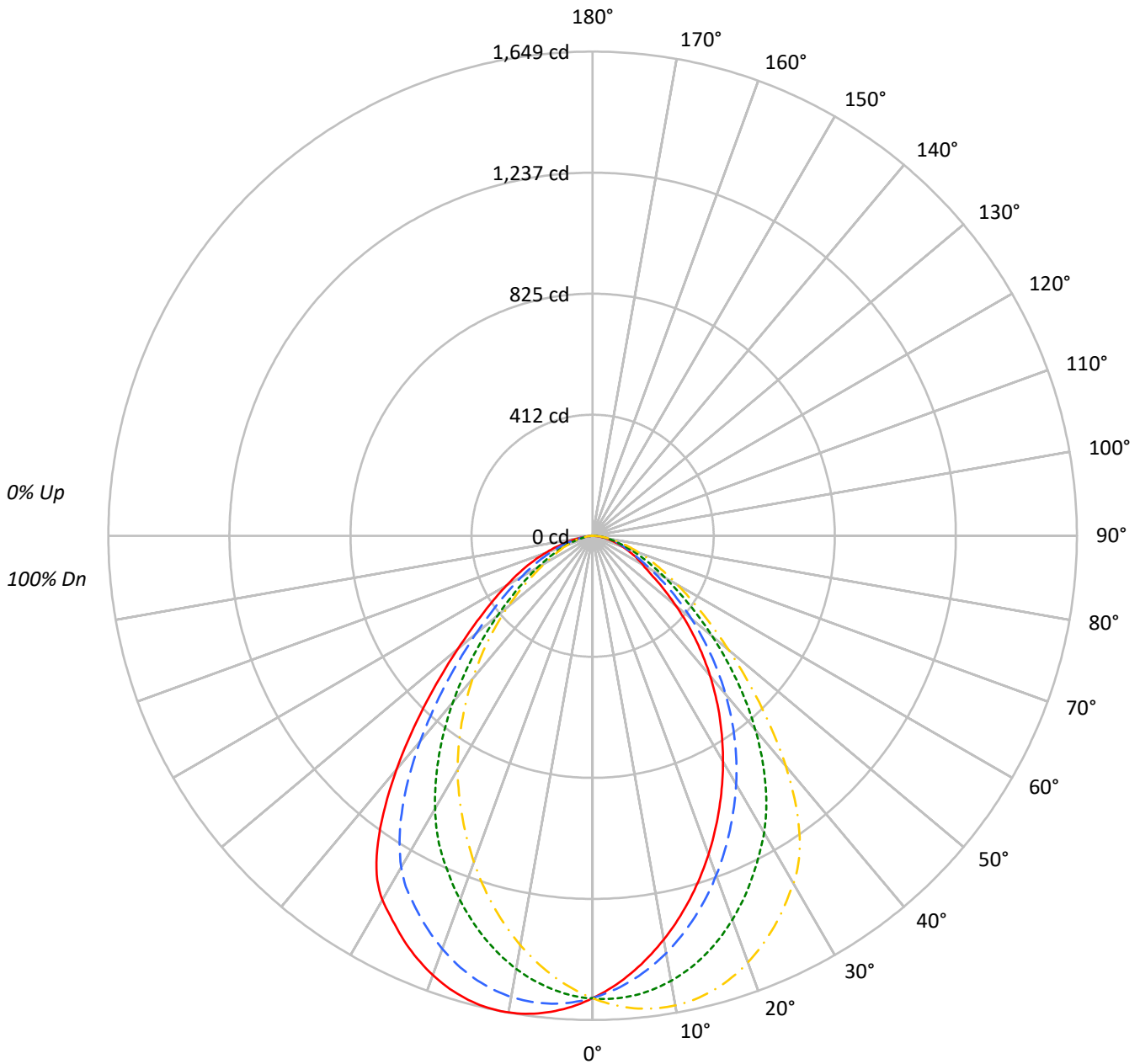
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

### Luminous Intensity Polar Plot





TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**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				100				
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88				
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77				77				
3	95	86	79	74	93	85	78	73	82	76	72	79	74	71	77	73	69	67				67				
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60				60				
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53				53				
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	48				48				
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43				43				
8	67	54	47	41	65	54	46	41	53	46	41	51	45	41	50	45	41	39				39				
9	63	50	43	38	61	50	43	38	49	42	38	48	42	37	47	41	37	36				36				
10	59	47	40	35	58	46	39	35	45	39	35	44	39	34	44	38	34	33				33				

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

	0°	90°	180°	270°
0°	86336	86336	86336	86336
5°	82330	86529	89566	85356
10°	77715	85686	91771	83382
15°	72685	83871	92867	80545
20°	67328	81166	92869	77013
25°	61782	77738	91953	73038
30°	56180	73910	90628	67928
35°	50467	68610	85227	61020
40°	44526	61701	74261	52956
45°	38167	53664	61983	44214
50°	31564	45295	51120	35999
55°	25452	37581	43019	29122
60°	21643	31182	37179	23671
65°	19652	26254	32494	19224
70°	17439	22023	27489	15355
75°	15293	18597	21837	12052
80°	12659	16069	14711	9029
85°	7862	15473	5221	5032

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°  
 Vertical Angle: 45°  
 Luminance: 63301 cd/sqm



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL1525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.7	5.2
10°-20°	408.4	14.3
20°-30°	578.4	20.2
30°-40°	616.3	21.6
40°-50°	494.6	17.3
50°-60°	321.1	11.2
60°-70°	186.2	6.5
70°-80°	87.5	3.1
80°-90°	19.1	0.7
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°	1134.5	39.7
0°-40°	1750.8	61.2
0°-60°	2566.5	89.8
0°-90°	2859.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1575	1575	1575	1575	1575	
5°	1496	1572	1628	1551	1496	140
15°	1281	1478	1636	1419	1281	359
25°	1021	1285	1520	1208	1021	469
35°	754	1025	1274	912	754	471
45°	492	692	800	570	492	379
55°	266	393	450	305	266	242
65°	152	202	250	148	152	150
75°	72	88	103	57	72	77
85°	12	25	8	8	12	17
90°	0	4	0	0	0	



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9
0.5°	1568.4	1568.4	1570.1	1572.9	1577.4	1578.9	1580.4	1581.2	1581.9	1579.9	1578.2
1°	1561.4	1562.4	1565.9	1570.9	1577.9	1581.9	1585.4	1587.4	1587.9	1585.4	1581.7
1.5°	1554.1	1556.1	1560.8	1568.6	1578.2	1584.9	1590.2	1593.2	1594.0	1590.4	1584.9
2°	1546.6	1549.3	1556.1	1565.9	1578.4	1587.4	1594.7	1598.7	1599.5	1595.2	1587.9
2.5°	1538.5	1542.3	1550.8	1562.9	1577.9	1589.4	1599.0	1604.0	1605.0	1599.7	1590.7
3°	1530.5	1535.3	1545.3	1559.8	1577.4	1591.4	1602.7	1609.0	1610.0	1604.0	1592.9
3.5°	1522.5	1527.7	1539.5	1556.3	1576.6	1592.9	1606.2	1613.8	1615.0	1607.7	1595.2
4°	1514.0	1520.2	1533.5	1552.6	1575.6	1594.5	1609.5	1618.3	1619.3	1611.5	1596.7
4.5°	1505.2	1512.4	1527.2	1548.6	1574.1	1595.5	1612.5	1622.3	1623.5	1614.8	1598.5
5°	1496.1	1504.2	1520.7	1544.0	1572.4	1596.0	1615.3	1626.3	1627.6	1617.8	1599.5
5.5°	1487.1	1495.9	1514.0	1539.8	1570.4	1596.5	1617.5	1629.8	1631.1	1620.5	1600.5
6°	1477.6	1487.4	1507.2	1534.8	1568.1	1596.5	1619.5	1632.8	1634.3	1622.8	1601.0
6.5°	1468.1	1478.6	1499.9	1529.8	1565.4	1596.2	1621.3	1635.6	1637.3	1625.0	1601.2
7°	1458.3	1469.6	1492.4	1524.2	1562.6	1595.7	1622.5	1638.1	1639.8	1626.6	1601.2
7.5°	1448.5	1460.3	1484.9	1518.5	1559.3	1595.0	1623.5	1640.3	1642.1	1628.1	1601.0
8°	1438.5	1451.0	1476.8	1512.7	1555.8	1593.7	1624.3	1642.1	1644.1	1629.1	1600.5
8.5°	1427.9	1441.5	1468.6	1506.7	1552.1	1592.2	1624.8	1643.9	1645.6	1629.8	1599.5
9°	1417.7	1431.4	1460.3	1500.2	1548.1	1590.4	1624.8	1644.9	1647.1	1630.3	1598.2
9.5°	1406.9	1421.4	1451.8	1493.4	1543.8	1588.4	1624.5	1645.9	1647.9	1630.6	1596.7
10°	1396.1	1411.6	1443.0	1486.4	1539.3	1585.9	1624.0	1646.4	1648.6	1630.3	1595.0
10.5°	1385.1	1401.6	1434.0	1479.3	1534.3	1583.4	1623.3	1646.6	1648.9	1629.6	1592.7
11°	1374.3	1391.1	1424.7	1471.8	1529.3	1580.4	1622.0	1646.4	1648.9	1628.8	1590.2
11.5°	1362.7	1380.3	1415.1	1464.3	1523.5	1577.1	1620.5	1645.9	1648.4	1627.6	1587.2
12°	1351.4	1369.8	1405.6	1456.3	1518.0	1573.4	1618.8	1645.1	1647.6	1626.1	1584.2
12.5°	1339.9	1358.5	1395.8	1448.0	1512.2	1569.6	1616.5	1643.9	1646.6	1624.3	1580.9
13°	1328.4	1347.9	1386.1	1439.7	1505.9	1565.4	1614.0	1642.4	1645.1	1622.0	1577.1
13.5°	1316.3	1336.7	1375.8	1431.4	1499.2	1560.8	1611.0	1640.6	1643.4	1619.8	1573.1
14°	1304.8	1325.4	1365.5	1422.7	1492.4	1556.1	1608.0	1638.3	1641.3	1617.0	1568.9
14.5°	1292.5	1313.6	1355.2	1413.4	1485.4	1550.8	1604.5	1635.8	1639.1	1613.8	1564.4
15°	1280.7	1302.3	1344.4	1404.4	1477.8	1545.3	1600.7	1633.1	1636.3	1610.3	1559.6
15.5°	1267.9	1290.3	1333.4	1394.6	1470.6	1539.8	1596.7	1629.8	1633.1	1606.5	1554.3
16°	1255.9	1278.5	1322.9	1385.3	1462.5	1533.8	1592.2	1626.3	1629.8	1602.5	1549.1
16.5°	1243.6	1266.4	1311.8	1375.3	1454.5	1527.5	1587.4	1622.5	1626.1	1598.2	1543.5
17°	1231.1	1254.6	1300.5	1365.2	1446.0	1521.0	1582.4	1618.3	1622.0	1593.7	1537.8
17.5°	1218.3	1242.4	1289.0	1355.0	1437.7	1514.2	1577.1	1614.0	1617.8	1588.7	1531.5
18°	1205.7	1230.3	1277.7	1344.7	1428.7	1506.7	1571.4	1609.0	1613.3	1583.7	1525.0
18.5°	1192.7	1217.8	1265.9	1333.9	1419.7	1499.4	1565.4	1604.0	1608.2	1578.2	1518.2
19°	1180.2	1205.5	1254.4	1323.1	1410.4	1491.9	1559.3	1598.7	1603.0	1572.4	1511.4
19.5°	1167.1	1192.7	1242.4	1312.3	1401.1	1484.1	1552.8	1593.2	1597.5	1566.4	1504.4
20°	1154.1	1180.4	1230.6	1301.5	1391.3	1476.1	1546.1	1587.2	1591.9	1560.3	1497.2
20.5°	1140.8	1167.6	1218.5	1290.0	1381.5	1467.6	1539.0	1580.9	1585.7	1553.8	1489.4
21°	1128.0	1154.8	1206.2	1279.0	1371.3	1459.0	1531.8	1574.6	1579.4	1546.8	1481.6



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1088.1	1116.2	1169.1	1244.1	1340.7	1431.9	1508.9	1553.8	1559.1	1525.5	1457.0
23°	1074.8	1102.9	1156.6	1232.3	1329.6	1422.4	1500.7	1546.6	1551.8	1517.7	1448.2
23.5°	1061.8	1090.1	1144.3	1220.3	1318.8	1413.1	1492.1	1538.5	1544.3	1509.9	1439.5
24°	1048.5	1076.8	1131.5	1208.5	1307.6	1402.9	1483.6	1530.8	1536.5	1501.7	1430.4
24.5°	1035.0	1063.8	1118.7	1196.2	1296.5	1393.1	1474.8	1522.5	1528.5	1493.4	1421.2
25°	1021.4	1050.8	1106.2	1183.9	1285.2	1383.0	1465.6	1514.5	1520.2	1484.9	1411.4
25.5°	1008.1	1037.2	1093.4	1171.4	1274.0	1372.5	1456.5	1505.7	1511.9	1476.1	1402.1
26°	994.8	1024.2	1080.4	1159.4	1262.2	1362.2	1447.2	1496.9	1503.2	1467.1	1392.6
26.5°	981.5	1010.9	1067.8	1147.3	1250.9	1351.7	1437.5	1487.6	1494.1	1458.0	1383.0
27°	968.0	998.1	1055.0	1134.8	1238.8	1340.9	1427.4	1478.8	1485.1	1448.8	1374.0
27.5°	954.5	984.8	1042.2	1122.2	1227.3	1329.9	1417.7	1469.1	1476.1	1440.2	1364.5
28°	940.9	971.0	1029.2	1109.9	1215.3	1318.8	1407.6	1459.8	1467.1	1431.4	1354.2
28.5°	927.9	957.7	1016.4	1097.7	1203.7	1307.8	1397.3	1450.3	1458.5	1422.9	1342.7
29°	914.3	944.7	1003.4	1084.9	1191.7	1296.8	1387.1	1441.0	1450.3	1413.4	1330.1
29.5°	900.8	931.4	990.3	1072.1	1179.9	1286.2	1377.3	1431.9	1441.2	1402.9	1317.1
30°	887.5	918.1	977.3	1059.5	1167.6	1274.7	1367.5	1422.9	1431.7	1391.1	1303.3
30.5°	874.2	904.8	964.0	1046.5	1155.1	1263.2	1356.7	1413.1	1421.4	1378.0	1288.8
31°	860.7	891.5	951.0	1032.7	1142.0	1250.9	1345.9	1402.9	1409.9	1364.2	1273.0
31.5°	847.4	878.5	937.4	1019.7	1128.5	1238.1	1333.9	1390.8	1397.1	1349.7	1256.9
32°	833.8	864.7	924.1	1005.9	1115.0	1224.3	1320.9	1378.3	1383.3	1333.9	1240.6
32.5°	820.5	851.4	910.8	992.1	1100.7	1209.8	1306.8	1364.7	1368.0	1317.1	1223.3
33°	807.5	838.1	897.0	978.3	1085.9	1195.0	1292.8	1350.2	1351.4	1299.0	1205.2
33.5°	794.2	824.8	883.7	964.0	1071.3	1179.9	1277.2	1333.9	1333.4	1280.0	1186.7
34°	780.9	811.3	870.0	949.7	1056.0	1164.4	1261.4	1316.6	1314.1	1260.7	1168.1
34.5°	767.6	798.2	856.4	934.9	1040.7	1148.6	1244.6	1298.0	1294.5	1240.4	1148.1
35°	754.1	784.7	842.6	920.4	1025.2	1131.8	1226.8	1278.5	1273.5	1219.5	1128.3
35.5°	741.3	771.4	828.8	905.6	1009.4	1115.2	1208.5	1258.4	1251.9	1197.7	1107.9
36°	728.3	758.1	815.0	890.8	993.6	1098.2	1189.7	1237.6	1229.8	1175.7	1087.1
36.5°	715.0	744.8	801.2	875.7	977.5	1080.9	1170.1	1215.8	1206.7	1153.6	1066.1
37°	701.4	731.0	787.2	860.9	961.5	1063.1	1150.3	1193.5	1183.2	1130.5	1044.2
37.5°	688.4	717.7	773.4	846.1	945.2	1044.7	1129.5	1170.9	1159.6	1107.2	1022.4
38°	675.1	704.4	759.1	831.1	928.4	1027.4	1108.7	1148.3	1135.5	1083.4	1000.6
38.5°	661.8	691.1	745.6	816.0	912.3	1008.1	1087.6	1125.0	1111.5	1060.3	978.8
39°	648.8	677.6	731.8	801.2	895.5	989.6	1066.3	1101.4	1086.6	1036.0	956.7
39.5°	635.5	664.6	717.7	785.9	879.0	970.5	1044.2	1077.3	1062.3	1012.4	934.9
40°	622.2	651.3	703.4	770.9	862.2	952.0	1022.2	1053.3	1037.7	988.3	912.1
40.5°	609.1	638.0	689.9	755.8	844.9	931.4	1000.4	1029.2	1013.1	965.0	890.0
41°	595.9	624.7	675.8	740.8	828.1	912.3	978.3	1005.1	988.6	940.4	867.9
41.5°	582.8	611.9	662.1	725.8	811.0	892.8	956.2	980.5	963.7	917.3	846.1
42°	569.5	598.6	648.3	710.5	794.2	874.0	933.4	956.5	939.7	893.0	823.8
42.5°	556.7	585.8	634.7	695.7	777.2	853.4	911.3	932.9	915.8	870.2	802.7
43°	543.7	572.8	620.9	680.1	759.9	834.1	889.3	909.3	891.8	846.6	780.9
43.5°	530.6	559.7	607.4	666.1	742.8	814.0	867.4	886.0	868.2	824.1	759.6



TEST NUMBER: P776062

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	492.3	521.1	566.8	621.2	692.2	755.8	802.2	816.5	799.5	757.4	697.9
45.5°	479.5	508.6	553.5	607.4	675.1	736.3	780.9	795.0	777.2	736.0	678.1
46°	467.2	496.0	540.4	592.8	658.8	717.2	760.1	772.9	755.6	714.7	658.5
46.5°	454.7	483.5	527.1	578.3	642.0	698.7	739.5	752.1	734.0	694.2	639.2
47°	442.1	471.2	514.1	563.5	625.4	680.1	718.5	730.3	713.2	674.1	620.4
47.5°	429.8	458.7	501.3	550.0	609.1	661.3	698.7	710.2	692.9	654.3	602.4
48°	417.5	446.4	488.5	535.9	593.3	643.2	679.4	690.1	673.3	635.2	584.3
48.5°	405.5	434.3	475.7	522.4	577.3	625.7	660.1	671.1	654.3	616.7	567.0
49°	393.7	422.3	463.4	508.1	561.7	608.4	641.5	651.3	635.2	598.9	549.7
49.5°	381.9	410.5	450.9	494.8	546.2	590.6	623.2	633.2	617.4	581.1	533.4
50°	370.1	398.5	438.4	481.2	531.1	573.8	605.1	614.9	599.4	564.0	517.4
50.5°	358.9	386.5	426.3	468.0	515.6	557.2	587.3	597.6	582.1	547.2	501.8
51°	347.6	375.2	414.3	454.9	501.1	540.9	570.8	580.3	565.3	531.1	486.5
51.5°	336.5	363.9	402.2	441.6	487.3	525.1	554.5	563.8	549.5	515.9	472.0
52°	325.8	352.8	390.7	428.8	472.7	509.3	537.9	547.7	533.7	501.1	457.9
52.5°	315.2	341.6	378.9	416.3	458.4	493.8	522.4	532.7	518.6	486.5	443.9
53°	304.9	330.8	367.6	403.8	444.9	479.2	507.1	517.1	504.1	472.2	430.6
53.5°	294.7	320.0	355.9	391.7	431.3	464.7	492.5	502.6	489.5	458.9	417.8
54°	285.1	310.0	345.1	379.7	418.6	450.6	478.2	488.3	476.0	445.9	405.0
54.5°	275.6	299.9	334.5	367.9	405.5	436.9	463.9	474.5	462.7	433.1	393.0
55°	266.3	289.9	323.8	356.4	393.2	423.6	450.9	461.2	450.1	421.1	381.2
55.5°	257.3	280.4	313.2	345.3	380.9	410.8	437.4	448.1	437.4	408.8	369.9
56°	249.0	270.8	303.2	334.0	368.9	398.2	424.6	435.4	425.1	397.7	358.9
56.5°	240.7	261.6	292.9	323.5	357.4	385.9	412.0	422.8	413.3	386.2	347.8
57°	233.0	253.0	282.9	313.0	345.8	374.2	399.7	411.0	402.0	375.4	337.5
57.5°	225.5	244.3	272.8	302.4	335.0	362.4	388.2	399.2	390.7	364.6	327.3
58°	218.9	236.0	263.8	292.7	324.3	351.6	376.7	388.2	379.9	354.6	317.7
58.5°	212.4	227.7	254.5	282.9	314.0	340.8	365.6	377.2	369.4	344.3	308.0
59°	206.6	220.4	245.5	273.6	303.9	330.0	354.9	366.4	358.9	334.3	298.4
59.5°	201.4	213.2	236.7	264.1	293.9	319.5	343.8	355.9	348.8	324.8	289.4
60°	197.4	206.4	228.7	255.0	284.4	309.5	333.5	345.6	339.1	315.7	280.6
60.5°	193.1	199.9	220.4	246.5	275.1	299.7	323.8	335.5	329.5	306.0	271.8
61°	188.6	194.6	212.7	238.0	266.1	290.2	314.0	325.8	319.7	296.9	263.3
61.5°	184.1	189.6	205.4	229.5	257.3	280.9	304.4	316.2	310.7	288.4	254.8
62°	179.3	185.6	198.4	221.7	248.8	272.1	294.9	307.0	301.9	279.9	246.8
62.5°	174.5	181.1	191.3	213.7	240.2	263.1	285.6	297.7	292.9	271.1	238.5
63°	169.8	176.5	185.1	206.1	232.2	254.3	276.6	288.6	283.9	262.6	230.7
63.5°	165.3	172.0	178.6	198.6	224.2	246.3	267.8	279.6	275.4	254.3	222.9
64°	160.5	167.5	172.5	191.8	216.9	238.0	259.3	271.1	267.1	246.5	215.7
64.5°	156.0	162.8	166.8	184.8	209.7	230.2	250.8	262.8	258.6	238.2	208.4
65°	151.5	158.5	161.5	178.1	202.4	222.2	242.8	254.5	250.5	230.7	201.1
65.5°	147.0	154.2	156.2	171.5	195.1	214.9	234.7	246.3	242.3	222.7	193.9
66°	142.4	149.7	151.2	165.3	187.6	207.6	226.7	238.0	234.0	215.2	186.6





TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	129.4	136.7	137.7	147.2	168.0	185.6	204.4	214.9	210.2	192.8	166.3
68°	125.4	132.4	133.7	141.9	161.5	178.8	197.1	207.4	202.4	185.3	159.5
68.5°	121.1	128.1	129.7	136.4	155.2	172.0	189.6	199.9	194.6	177.8	153.2
69°	117.1	124.1	125.9	131.2	149.2	165.3	182.6	192.3	186.6	170.5	147.0
69.5°	112.9	120.1	122.1	126.1	143.2	159.0	175.3	184.6	179.1	163.5	140.7
70°	108.8	116.1	118.4	121.4	137.4	152.5	168.5	177.6	171.5	156.2	134.4
70.5°	104.8	112.1	114.6	116.6	131.9	146.5	162.0	170.3	164.3	149.5	128.6
71°	101.1	108.1	110.8	112.1	126.4	140.4	155.5	163.5	157.0	142.9	122.9
71.5°	97.3	104.3	107.3	107.6	121.1	134.7	149.0	156.2	149.7	136.2	116.9
72°	93.5	100.6	103.6	103.6	115.9	128.9	142.7	149.7	142.7	129.7	111.3
72.5°	90.5	96.8	100.1	99.3	110.8	123.1	136.4	142.9	135.9	123.1	105.8
73°	86.8	93.0	96.5	95.5	106.1	117.9	130.4	136.4	129.2	116.9	100.3
73.5°	83.3	90.5	93.0	91.8	101.3	112.3	124.4	130.2	122.1	110.8	95.0
74°	79.5	87.0	91.0	88.3	96.8	107.3	118.6	123.9	115.9	104.8	89.8
74.5°	75.7	83.3	87.3	84.8	92.3	102.1	113.1	117.6	109.3	98.8	84.8
75°	72.2	79.5	83.8	81.5	87.8	97.1	107.6	111.6	103.1	93.0	79.7
75.5°	69.0	75.7	80.2	78.0	83.5	92.3	102.1	105.8	96.8	87.5	75.0
76°	65.5	72.2	76.5	74.7	79.5	87.8	96.5	100.1	90.5	82.0	70.2
76.5°	62.2	69.0	73.2	71.5	75.5	83.0	91.3	94.3	84.8	76.7	65.5
77°	58.9	65.5	70.0	68.5	71.7	78.5	86.3	88.8	79.0	71.5	61.2
77.5°	55.7	62.2	67.0	65.5	67.7	74.2	81.3	83.5	73.2	66.5	56.7
78°	52.4	58.9	63.7	62.7	64.2	70.0	76.5	78.5	67.7	61.4	52.7
78.5°	49.4	55.7	60.7	59.7	60.7	66.0	71.7	73.2	62.2	56.7	48.4
79°	46.1	52.7	57.7	56.9	57.4	61.9	67.2	68.2	56.9	52.2	44.4
79.5°	43.1	49.4	54.7	54.2	53.9	58.2	62.7	63.7	51.7	47.6	40.6
80°	40.1	46.4	51.7	51.4	50.9	54.4	58.4	58.9	46.6	43.1	36.9
80.5°	37.4	43.4	48.7	48.9	47.9	50.9	54.2	54.4	41.9	39.1	33.4
81°	34.4	40.4	45.9	46.1	44.9	47.4	50.2	49.9	37.1	35.1	29.8
81.5°	31.3	37.4	42.9	43.4	42.1	43.9	46.1	45.4	32.6	31.1	26.6
82°	28.6	34.6	40.1	40.9	39.4	40.6	42.1	40.9	28.3	27.6	23.8
82.5°	25.8	31.6	37.4	38.1	36.6	37.4	38.4	36.6	24.8	24.3	20.8
83°	23.1	28.8	34.6	35.6	34.1	34.6	34.9	32.6	21.3	21.1	18.1
83.5°	20.6	26.1	31.8	33.1	31.6	31.6	31.6	28.8	17.8	17.8	15.3
84°	17.8	23.3	29.3	30.6	29.1	28.6	28.1	25.3	14.3	14.5	12.3
84.5°	15.0	20.6	26.8	28.3	26.8	26.1	25.3	21.8	10.8	11.3	10.3
85°	12.5	17.8	24.3	25.8	24.6	23.6	22.6	18.6	8.3	8.8	8.0
85.5°	10.0	15.3	21.8	23.3	22.3	21.1	19.6	15.0	6.5	6.5	6.3
86°	8.5	12.8	19.6	21.1	20.1	18.8	16.8	11.8	5.0	4.8	4.5
86.5°	7.0	10.8	17.1	18.6	18.1	16.3	13.8	9.3	4.0	3.3	3.0
87°	5.5	9.0	14.8	16.3	15.8	13.8	11.5	7.3	3.0	2.0	1.8
87.5°	3.8	7.5	12.5	14.0	13.8	11.8	9.3	5.3	2.3	1.0	0.8
88°	2.8	5.8	10.3	11.8	11.8	9.5	7.3	3.5	1.5	0.5	0.3
88.5°	1.5	4.3	8.5	9.5	9.5	7.8	5.3	2.3	0.8	0.3	0.0



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.3	2.5	3.5	3.8	2.5	1.0	0.3	0.0	0.0	0.0



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1574.9	1574.9	1574.9	1574.9	1574.9	1574.9
0.5°	1576.1	1575.1	1571.9	1569.6	1568.1	1568.4
1°	1577.4	1573.6	1567.9	1563.6	1561.1	1561.4
1.5°	1578.4	1571.9	1563.6	1557.3	1553.8	1554.1
2°	1578.9	1569.6	1559.1	1551.1	1546.3	1546.6
2.5°	1579.4	1567.4	1554.3	1544.3	1538.8	1538.5
3°	1579.4	1564.6	1549.3	1537.5	1530.8	1530.5
3.5°	1578.9	1561.6	1544.0	1530.3	1522.5	1522.5
4°	1578.4	1558.3	1538.3	1523.0	1514.2	1514.0
4.5°	1577.7	1554.8	1532.5	1515.2	1505.7	1505.2
5°	1576.4	1551.1	1526.2	1507.4	1496.6	1496.1
5.5°	1574.9	1547.1	1520.0	1499.2	1487.4	1487.1
6°	1573.1	1542.5	1513.5	1490.9	1478.3	1477.6
6.5°	1571.1	1538.0	1506.4	1482.1	1468.8	1468.1
7°	1568.9	1533.0	1499.4	1473.3	1459.0	1458.3
7.5°	1566.1	1527.7	1491.9	1464.3	1449.0	1448.5
8°	1563.1	1522.2	1484.1	1455.0	1439.0	1438.5
8.5°	1559.8	1516.5	1476.3	1445.5	1428.7	1427.9
9°	1556.6	1510.4	1468.1	1436.0	1418.4	1417.7
9.5°	1552.8	1504.2	1459.8	1425.9	1407.4	1406.9
10°	1548.8	1497.9	1451.3	1415.9	1396.8	1396.1
10.5°	1544.3	1490.9	1442.5	1405.6	1385.8	1385.1
11°	1539.8	1483.9	1433.2	1395.1	1374.8	1374.3
11.5°	1534.8	1476.6	1423.9	1384.6	1363.5	1362.7
12°	1529.5	1469.1	1414.6	1373.8	1351.9	1351.4
12.5°	1524.2	1461.5	1404.9	1362.7	1340.4	1339.9
13°	1518.5	1453.3	1395.1	1351.4	1328.6	1328.4
13.5°	1512.7	1445.0	1385.1	1340.2	1317.1	1316.3
14°	1506.2	1436.7	1374.8	1328.9	1305.1	1304.8
14.5°	1499.7	1428.2	1364.5	1317.3	1293.0	1292.5
15°	1492.9	1419.2	1354.0	1305.6	1280.7	1280.7
15.5°	1485.9	1410.1	1343.2	1293.8	1268.2	1267.9
16°	1478.8	1400.9	1331.9	1281.7	1255.9	1255.9
16.5°	1471.1	1391.3	1320.9	1269.7	1243.6	1243.6
17°	1463.5	1381.8	1309.6	1257.4	1230.8	1231.1
17.5°	1455.5	1372.0	1298.3	1245.1	1218.3	1218.3
18°	1447.2	1361.7	1286.7	1232.8	1205.2	1205.7
18.5°	1439.0	1351.7	1275.0	1220.0	1192.7	1192.7
19°	1430.4	1341.2	1263.4	1207.5	1179.7	1180.2
19.5°	1421.9	1330.9	1251.4	1195.0	1166.6	1167.1
20°	1412.6	1320.1	1239.6	1182.2	1153.6	1154.1
20.5°	1403.6	1309.3	1227.6	1169.4	1140.3	1140.8
21°	1394.1	1298.3	1215.3	1156.1	1127.3	1128.0

TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1365.0	1264.4	1178.2	1117.5	1087.4	1088.1
23°	1355.0	1253.1	1165.9	1104.2	1074.1	1074.8
23.5°	1344.7	1241.6	1153.3	1091.1	1060.8	1061.8
24°	1334.4	1230.3	1141.0	1078.3	1047.3	1048.5
24.5°	1323.9	1218.8	1128.8	1065.3	1034.0	1035.0
25°	1313.6	1207.5	1116.5	1051.5	1020.7	1021.4
25.5°	1303.3	1195.7	1103.4	1039.2	1007.4	1008.1
26°	1293.0	1184.2	1091.1	1025.4	994.1	994.8
26.5°	1282.5	1172.1	1078.6	1012.9	980.5	981.5
27°	1271.4	1159.1	1065.6	999.6	967.0	968.0
27.5°	1259.4	1145.1	1051.8	986.6	953.7	954.5
28°	1246.4	1131.5	1038.0	972.8	940.4	940.9
28.5°	1232.8	1117.0	1023.9	959.7	927.1	927.9
29°	1219.0	1102.9	1009.9	946.2	913.6	914.3
29.5°	1204.7	1088.1	995.8	932.6	900.3	900.8
30°	1189.4	1073.1	981.3	918.1	887.3	887.5
30.5°	1174.1	1057.8	966.8	905.1	874.0	874.2
31°	1158.3	1042.5	951.7	890.8	860.2	860.7
31.5°	1142.3	1026.7	936.7	876.7	846.9	847.4
32°	1125.5	1010.6	921.6	862.2	833.3	833.8
32.5°	1108.7	994.3	906.6	848.6	819.8	820.5
33°	1091.6	978.3	891.3	834.3	806.5	807.5
33.5°	1074.3	961.7	875.7	820.0	793.0	794.2
34°	1056.3	945.4	860.7	805.8	779.4	780.9
34.5°	1038.0	927.9	844.9	791.5	765.6	767.6
35°	1019.9	911.8	829.8	777.2	752.1	754.1
35.5°	1001.6	894.5	814.0	762.9	738.8	741.3
36°	983.1	877.7	799.2	748.6	725.3	728.3
36.5°	963.7	860.7	783.7	734.5	711.7	715.0
37°	944.2	843.6	768.6	720.2	698.2	701.4
37.5°	924.9	826.6	752.8	706.4	684.9	688.4
38°	905.3	809.0	738.0	691.9	671.1	675.1
38.5°	885.8	791.7	722.5	677.9	657.8	661.8
39°	865.9	774.7	707.2	664.1	644.3	648.8
39.5°	846.1	757.6	691.6	650.0	631.0	635.5
40°	826.3	740.0	676.4	635.5	617.7	622.2
40.5°	806.5	722.7	660.8	621.2	604.4	609.1
41°	786.9	705.4	645.3	607.1	591.3	595.9
41.5°	766.9	688.4	630.0	593.3	578.0	582.8
42°	747.6	671.3	615.2	579.8	565.0	569.5
42.5°	728.0	654.3	600.1	566.5	552.2	556.7
43°	708.7	637.2	585.3	553.0	539.4	543.7
43.5°	689.4	620.2	570.8	539.7	526.6	530.6



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	634.0	570.3	527.9	500.3	488.0	492.3
45.5°	615.9	554.2	513.6	487.5	475.2	479.5
46°	598.4	538.7	500.1	475.0	462.9	467.2
46.5°	580.6	522.9	486.3	462.2	450.4	454.7
47°	563.0	507.8	472.7	449.9	438.4	442.1
47.5°	546.4	492.5	459.2	437.6	426.6	429.8
48°	530.1	477.7	445.6	425.1	414.8	417.5
48.5°	514.1	463.4	432.3	413.0	402.8	405.5
49°	498.5	449.1	419.8	401.2	391.5	393.7
49.5°	483.0	435.9	407.3	389.2	380.2	381.9
50°	468.5	422.1	394.7	377.7	368.6	370.1
50.5°	453.7	408.8	382.2	366.1	357.4	358.9
51°	439.4	396.0	370.1	354.6	346.8	347.6
51.5°	426.1	383.7	358.6	343.3	336.0	336.5
52°	413.0	371.4	347.3	332.8	325.5	325.8
52.5°	399.7	359.4	336.0	322.0	315.0	315.2
53°	387.2	347.8	325.0	311.2	304.7	304.9
53.5°	374.9	336.5	314.2	300.7	294.4	294.7
54°	363.1	325.5	303.7	290.4	284.4	285.1
54.5°	351.3	315.0	293.7	280.4	274.6	275.6
55°	340.6	304.7	283.9	270.6	265.3	266.3
55.5°	329.5	294.7	273.9	261.1	255.8	257.3
56°	319.0	284.9	264.6	251.8	247.0	249.0
56.5°	308.7	275.4	255.3	242.8	238.0	240.7
57°	298.9	266.1	246.3	234.0	229.5	233.0
57.5°	289.1	257.0	237.7	225.5	221.4	225.5
58°	279.9	248.3	229.2	217.4	213.7	218.9
58.5°	270.6	240.0	221.2	209.4	206.4	212.4
59°	261.6	231.7	213.2	201.9	199.4	206.6
59.5°	253.0	223.7	205.6	194.6	192.8	201.4
60°	244.5	215.9	198.1	187.3	186.8	197.4
60.5°	236.5	208.1	190.6	180.6	181.1	193.1
61°	228.7	200.9	183.8	174.0	175.5	188.6
61.5°	220.7	193.6	176.8	167.8	170.8	184.1
62°	213.4	186.8	170.3	162.0	166.5	179.3
62.5°	205.9	179.8	164.0	156.2	162.3	174.5
63°	198.6	173.0	157.5	150.5	158.0	169.8
63.5°	191.1	166.5	151.5	145.2	153.7	165.3
64°	184.6	160.2	145.7	140.2	149.5	160.5
64.5°	177.8	154.2	140.2	135.4	145.2	156.0
65°	171.0	148.2	134.7	130.7	141.2	151.5
65.5°	164.5	142.2	129.2	126.1	137.2	147.0
66°	158.2	136.4	124.1	121.9	132.9	142.4



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	139.9	120.1	109.6	110.3	121.1	129.4
68°	133.9	115.1	105.1	106.8	117.1	125.4
68.5°	128.4	110.1	100.8	103.6	113.1	121.1
69°	122.9	105.3	96.5	100.1	109.3	117.1
69.5°	117.4	100.6	92.5	96.8	105.3	112.9
70°	112.1	95.8	89.0	93.5	101.8	108.8
70.5°	106.8	91.5	85.3	90.0	98.1	104.8
71°	102.1	87.5	81.8	86.8	94.3	101.1
71.5°	97.1	83.3	78.2	83.8	90.5	97.3
72°	92.0	79.2	74.5	80.8	87.0	93.5
72.5°	87.5	75.2	71.2	77.7	83.8	90.5
73°	83.0	71.2	68.0	74.7	80.2	86.8
73.5°	78.5	67.2	65.0	71.5	77.0	83.3
74°	74.0	63.7	61.9	68.5	73.5	79.5
74.5°	70.0	60.2	59.2	65.5	70.2	75.7
75°	66.0	56.9	56.4	62.4	67.0	72.2
75.5°	61.9	53.7	53.7	59.7	63.7	69.0
76°	58.2	50.4	50.9	56.7	60.4	65.5
76.5°	54.4	47.4	48.4	53.7	57.4	62.2
77°	50.9	44.4	45.9	50.9	54.2	58.9
77.5°	47.4	41.6	43.4	48.1	51.2	55.7
78°	44.1	38.9	40.9	45.4	48.1	52.4
78.5°	40.6	36.1	38.4	42.6	45.1	49.4
79°	37.6	33.4	36.1	39.9	42.1	46.1
79.5°	34.6	30.8	33.6	37.1	39.1	43.1
80°	31.6	28.6	31.3	34.6	36.4	40.1
80.5°	28.8	26.3	29.1	32.1	33.4	37.4
81°	26.1	24.1	26.8	29.6	30.6	34.4
81.5°	23.6	21.8	24.3	27.1	27.8	31.3
82°	21.3	19.6	22.3	24.6	25.1	28.6
82.5°	18.8	17.6	20.1	22.1	22.3	25.8
83°	16.3	15.5	17.8	19.8	19.6	23.1
83.5°	14.0	13.5	15.8	17.6	17.1	20.6
84°	11.8	11.5	13.5	15.3	14.5	17.8
84.5°	9.8	9.8	11.5	13.3	12.3	15.0
85°	8.0	8.0	9.5	11.0	10.3	12.5
85.5°	6.0	6.3	7.5	9.0	8.8	10.0
86°	4.5	4.3	5.5	7.3	7.3	8.5
86.5°	3.0	2.5	3.8	5.3	5.8	7.0
87°	1.5	1.0	1.8	3.5	4.3	5.5
87.5°	0.5	0.3	0.5	1.5	2.8	3.8
88°	0.0	0.0	0.0	0.3	1.5	2.8
88.5°	0.0	0.0	0.0	0.0	0.5	1.5



TEST NUMBER: P776062

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRH-HCD62TRLWW-2500lm-3500K

**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°	1114.7	1142.0	1194.0	1267.2	1361.2	1450.3	1524.5	1567.9	1572.9	1540.0	1473.6
22°	1101.7	1129.3	1181.7	1255.9	1350.9	1441.0	1516.7	1560.8	1566.1	1532.8	1465.6



44°	517.9	546.7	593.6	651.0	726.0	795.0	845.4	861.9	844.6	801.0	738.8
44.5°	505.1	534.2	580.1	636.2	709.2	774.9	823.3	839.1	822.3	778.9	718.5



66.5°	137.9	145.2	146.5	159.0	181.1	200.1	219.2	230.2	225.7	207.9	179.6
67°	133.7	140.9	141.9	153.2	174.3	192.8	211.9	222.7	217.9	200.4	173.0



89°	0.8	2.8	6.5	7.5	7.5	6.0	3.5	1.3	0.3	0.0	0.0
89.5°	0.0	1.5	4.5	5.5	5.8	4.3	2.3	0.5	0.0	0.0	0.0



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21.5°	1384.8	1287.0	1202.5	1143.3	1113.7	1114.7
22°	1374.8	1276.0	1190.7	1130.5	1100.7	1101.7



44°	670.6	603.4	556.5	526.1	513.6	517.9
44.5°	652.3	587.1	542.2	513.3	500.8	505.1



66.5°	152.0	130.9	119.1	117.9	128.9	137.9
67°	145.7	125.6	114.4	114.1	124.9	133.7

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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	0.0

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)