

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: P776088

Luminaire Tested: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B013)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K  
Description: 6 INCH ROUND MEDIUM LENSED WALLWASH KIT  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2612.3 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.23  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

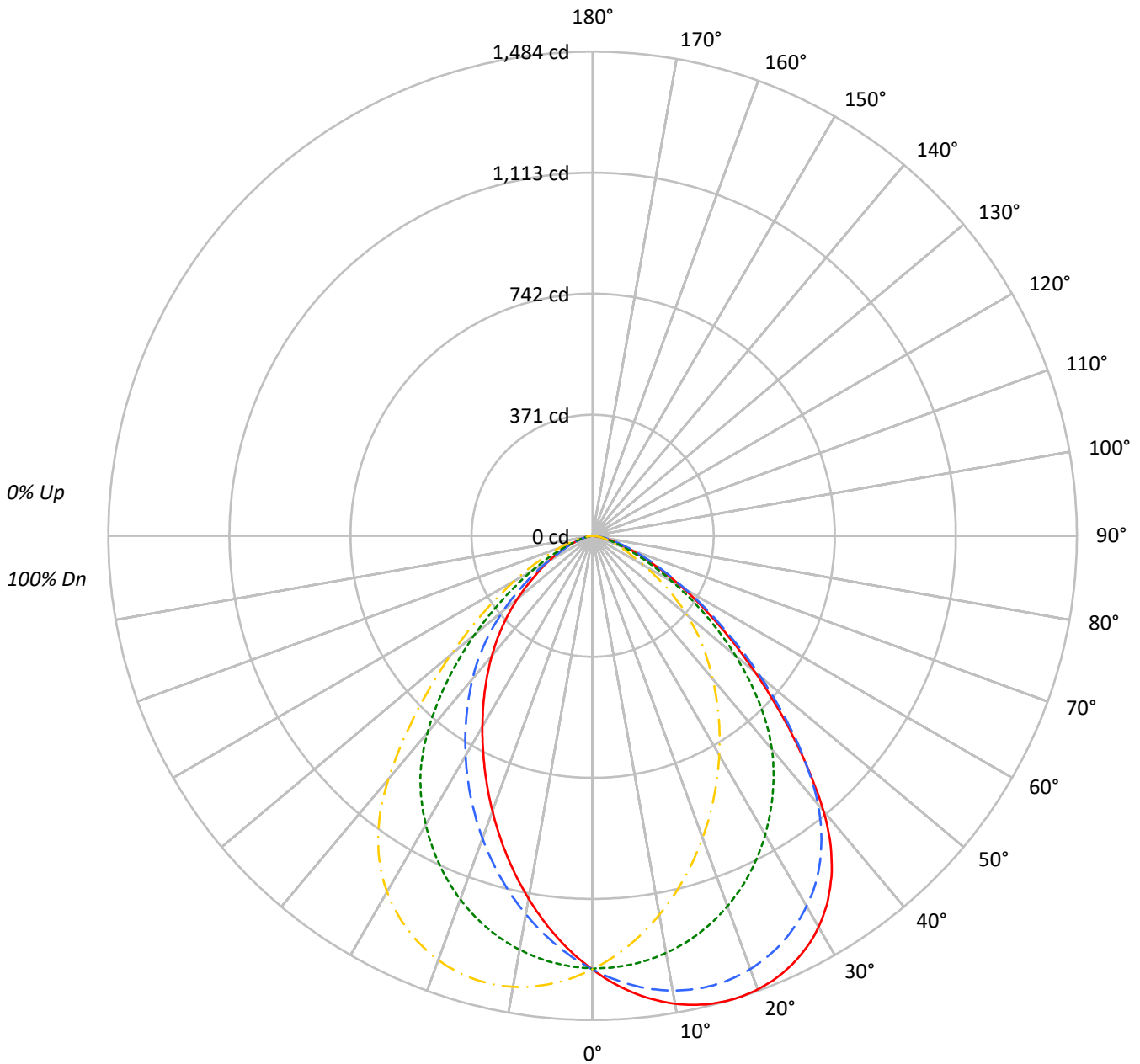
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

### Luminous Intensity Polar Plot





TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**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	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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89					89			
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68					68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60					60			
5	82	70	63	57	80	69	62	56	67	61	56	66	60	55	64	59	55	53					53			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

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

	0°	90°	180°	270°
0°	72840	72840	72840	72840
5°	77317	72628	68055	72353
10°	81072	72265	62869	71703
15°	84098	71555	57571	70664
20°	86312	70502	52370	69178
25°	87616	68956	47380	67189
30°	87653	66934	42753	64712
35°	85367	64413	38461	61589
40°	78748	61186	34343	56305
45°	67247	55913	30166	48819
50°	55410	48775	25679	40255
55°	44452	40199	20807	31454
60°	34931	31149	17181	23584
65°	26553	22830	13426	16850
70°	19603	16012	9986	11621
75°	13895	11141	7434	7646
80°	8745	7956	5304	4830
85°	2893	6227	2705	2390

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 69139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.2	4.8
10°-20°	352.4	13.5
20°-30°	515.1	19.7
30°-40°	578.9	22.2
40°-50°	499.3	19.1
50°-60°	320.7	12.3
60°-70°	155.5	6.0
70°-80°	55.7	2.1
80°-90°	9.6	0.4
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°	992.6	38.0
0°-40°	1571.5	60.2
0°-60°	2391.5	91.5
0°-90°	2612.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2612.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1329	1329	1329	1329	1329	
5°	1405	1320	1237	1315	1405	136
15°	1482	1261	1014	1245	1482	419
25°	1448	1140	783	1111	1448	667
35°	1276	962	575	920	1276	791
45°	867	721	389	630	867	669
55°	465	421	218	329	465	420
65°	205	176	104	130	205	207
75°	66	53	35	36	66	72
85°	5	10	4	4	5	9
90°	0	0	0	0	0	



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7
0.5°	1338.7	1337.6	1335.6	1332.6	1325.4	1323.7	1322.6	1322.1	1321.6	1321.9	1323.4
1°	1346.5	1345.3	1341.5	1335.6	1325.4	1320.6	1316.5	1314.2	1312.7	1313.5	1316.8
1.5°	1354.7	1352.9	1347.0	1338.7	1325.4	1316.8	1310.2	1305.9	1303.8	1305.1	1310.4
2°	1362.6	1360.3	1352.6	1341.7	1325.2	1313.2	1303.8	1297.5	1294.9	1297.0	1303.6
2.5°	1370.2	1367.1	1358.2	1344.3	1324.7	1309.4	1297.0	1288.8	1285.5	1288.1	1296.7
3°	1377.6	1374.0	1363.1	1346.8	1323.9	1305.6	1290.3	1280.2	1275.8	1279.1	1289.6
3.5°	1384.7	1380.6	1368.4	1349.3	1323.1	1301.5	1283.2	1271.0	1266.4	1270.2	1282.7
4°	1391.6	1387.5	1373.0	1351.4	1322.1	1297.2	1276.1	1261.9	1256.5	1261.1	1275.3
4.5°	1398.4	1393.3	1377.8	1353.4	1321.1	1292.6	1268.7	1252.7	1246.6	1251.9	1268.0
5°	1405.0	1399.7	1382.1	1355.2	1319.8	1288.3	1261.3	1243.3	1236.7	1242.3	1260.3
5.5°	1411.1	1405.3	1386.5	1357.0	1318.3	1283.2	1253.7	1233.9	1226.5	1232.9	1252.7
6°	1417.2	1410.9	1390.5	1358.5	1316.8	1278.4	1246.1	1224.0	1215.8	1223.2	1244.8
6.5°	1422.8	1416.2	1394.3	1359.8	1315.0	1273.6	1238.0	1214.3	1205.7	1213.3	1236.9
7°	1428.4	1421.3	1397.9	1361.0	1313.0	1268.2	1230.1	1204.4	1195.0	1203.6	1228.8
7.5°	1433.8	1426.1	1401.5	1361.8	1310.9	1262.9	1221.9	1194.2	1184.3	1193.7	1220.7
8°	1438.6	1431.0	1404.5	1362.6	1308.6	1257.5	1213.5	1184.3	1173.4	1183.3	1212.3
8.5°	1443.4	1435.5	1407.6	1363.3	1306.4	1251.9	1204.9	1173.6	1162.7	1173.1	1203.9
9°	1448.0	1439.6	1410.4	1363.6	1303.8	1246.1	1196.5	1163.4	1151.5	1162.9	1195.5
9.5°	1452.3	1443.7	1412.9	1364.1	1301.0	1240.2	1187.9	1153.0	1140.3	1152.3	1186.6
10°	1456.4	1447.5	1415.2	1364.1	1298.2	1234.1	1179.2	1142.6	1129.4	1141.8	1178.2
10.5°	1460.2	1451.1	1417.5	1363.8	1295.2	1228.0	1170.3	1131.9	1118.4	1131.4	1169.3
11°	1463.8	1454.1	1419.5	1363.6	1292.1	1221.7	1161.2	1121.0	1106.7	1120.7	1160.4
11.5°	1466.8	1457.2	1421.1	1363.1	1288.6	1215.1	1152.0	1110.3	1095.3	1110.0	1151.2
12°	1469.9	1459.7	1422.6	1362.3	1285.3	1208.7	1142.8	1099.4	1084.1	1099.4	1142.3
12.5°	1472.7	1462.2	1423.8	1361.5	1281.4	1201.8	1133.7	1088.4	1072.7	1088.2	1133.2
13°	1475.0	1464.3	1424.9	1360.5	1277.9	1195.2	1124.3	1077.5	1061.0	1077.5	1123.8
13.5°	1477.3	1466.3	1425.6	1359.0	1273.8	1188.4	1114.9	1066.6	1049.5	1066.6	1114.6
14°	1479.0	1467.8	1426.1	1357.7	1269.7	1181.2	1105.2	1055.1	1037.8	1055.6	1105.2
14.5°	1480.6	1469.4	1426.1	1355.9	1265.4	1174.1	1095.5	1043.9	1026.4	1044.2	1095.5
15°	1481.8	1470.4	1426.4	1353.9	1260.8	1166.7	1085.9	1032.7	1014.4	1033.2	1085.9
15.5°	1482.8	1471.1	1426.1	1351.9	1256.5	1159.4	1076.0	1021.8	1003.0	1022.3	1076.2
16°	1483.6	1471.9	1425.6	1349.8	1251.7	1152.0	1066.3	1010.4	991.3	1011.1	1066.6
16.5°	1484.1	1471.9	1425.1	1347.3	1246.9	1144.1	1056.1	998.9	979.6	999.9	1056.9
17°	1484.4	1471.9	1424.1	1344.5	1241.8	1136.5	1046.5	987.7	967.9	988.7	1047.0
17.5°	1484.1	1471.9	1422.8	1341.5	1236.7	1128.6	1036.3	976.3	955.9	977.3	1037.1
18°	1483.9	1471.4	1421.6	1338.7	1231.3	1120.7	1026.1	964.8	944.5	966.4	1027.1
18.5°	1483.1	1470.6	1419.5	1335.1	1225.7	1112.6	1015.9	953.6	932.8	954.9	1017.0
19°	1482.3	1469.6	1417.7	1331.8	1219.9	1104.4	1005.8	942.2	921.1	943.5	1007.0
19.5°	1481.1	1468.4	1415.5	1328.0	1214.3	1096.3	995.9	930.8	909.4	932.5	997.1
20°	1479.5	1466.8	1413.2	1323.9	1208.5	1087.9	985.7	919.6	897.7	921.3	987.0
20.5°	1477.8	1464.8	1410.4	1319.8	1202.1	1079.5	975.0	908.4	886.5	909.9	976.8
21°	1475.7	1462.8	1407.6	1315.5	1195.7	1070.9	964.6	896.9	874.6	898.7	966.4



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1467.8	1454.9	1397.4	1301.0	1176.2	1044.7	933.8	863.4	840.2	865.1	935.6
23°	1464.5	1451.6	1393.3	1295.9	1169.3	1035.8	923.1	851.9	828.5	854.0	925.2
23.5°	1461.2	1448.0	1389.3	1290.6	1162.2	1026.9	912.7	841.0	817.3	842.8	914.7
24°	1457.2	1444.2	1384.7	1284.7	1155.0	1017.7	902.3	829.5	805.9	831.6	904.6
24.5°	1453.1	1440.1	1380.1	1279.1	1147.7	1008.8	891.6	818.6	794.4	820.4	894.1
25°	1448.5	1435.8	1375.0	1273.0	1140.0	999.7	880.9	807.2	783.3	809.4	883.7
25.5°	1443.7	1431.0	1369.9	1266.9	1132.7	990.3	870.7	796.5	772.3	798.5	873.3
26°	1438.9	1426.1	1364.6	1260.3	1124.8	980.9	860.3	785.3	761.4	787.6	862.6
26.5°	1433.3	1420.8	1358.7	1254.0	1116.9	971.4	849.6	774.4	750.2	776.4	852.2
27°	1427.7	1415.2	1352.6	1246.9	1109.0	962.0	838.9	763.4	739.3	765.7	841.7
27.5°	1421.6	1409.4	1346.5	1240.0	1100.6	952.4	828.5	753.0	728.3	754.8	831.3
28°	1415.2	1403.0	1339.9	1232.6	1092.2	942.7	818.1	742.1	717.6	744.1	820.9
28.5°	1408.3	1396.6	1333.1	1225.2	1083.8	933.0	807.7	731.4	707.0	733.4	810.5
29°	1401.0	1389.8	1325.9	1217.4	1075.2	923.4	797.0	720.4	696.5	722.7	799.8
29.5°	1393.1	1382.4	1318.8	1209.7	1066.6	913.5	786.6	710.3	685.9	711.8	789.4
30°	1384.7	1374.8	1311.2	1201.8	1057.4	903.8	775.9	699.6	675.4	701.4	778.7
30.5°	1376.0	1366.6	1303.3	1193.2	1048.5	893.9	765.7	689.2	665.0	690.7	768.3
31°	1367.1	1358.0	1295.2	1184.8	1039.6	883.7	755.3	679.0	654.8	680.3	757.8
31.5°	1357.5	1348.8	1286.8	1176.2	1029.9	873.8	744.9	668.6	644.4	669.8	747.1
32°	1347.8	1339.2	1277.9	1167.3	1020.8	863.9	734.4	658.4	634.5	659.4	737.0
32.5°	1337.1	1329.0	1268.5	1158.1	1011.4	853.7	724.0	648.2	624.3	649.2	726.5
33°	1325.4	1318.6	1258.8	1148.9	1001.7	843.3	713.6	638.3	614.4	639.1	715.6
33.5°	1313.2	1307.6	1248.6	1139.5	992.3	833.1	703.4	628.4	604.5	628.6	705.2
34°	1301.5	1296.4	1238.0	1129.6	982.4	822.9	693.0	618.2	594.6	619.0	695.0
34.5°	1288.6	1284.2	1226.8	1119.4	972.5	812.8	682.8	608.3	584.4	608.8	684.6
35°	1275.6	1271.8	1215.3	1109.3	962.5	802.6	672.6	598.4	574.7	598.6	674.2
35.5°	1261.6	1259.1	1203.4	1098.6	952.6	792.2	662.5	588.7	565.1	589.0	663.7
36°	1246.6	1245.3	1191.2	1087.7	942.5	782.0	652.5	579.1	555.7	579.1	653.6
36.5°	1231.3	1231.3	1178.4	1076.0	931.8	771.6	642.4	569.1	545.7	569.1	643.1
37°	1215.1	1216.6	1165.2	1064.3	921.6	761.4	632.2	559.5	536.3	559.2	633.0
37.5°	1198.3	1201.1	1151.5	1051.8	910.9	750.7	622.3	550.1	526.7	549.6	622.5
38°	1180.7	1185.3	1137.2	1039.3	900.0	740.3	612.1	540.4	517.3	539.9	612.4
38.5°	1161.9	1168.8	1122.5	1026.4	889.0	730.1	602.2	531.0	508.1	530.2	602.2
39°	1142.8	1151.5	1107.2	1012.9	878.1	719.4	592.5	521.3	498.7	520.6	592.3
39.5°	1122.2	1132.7	1091.5	998.9	866.7	709.3	582.6	512.2	489.3	510.9	582.4
40°	1100.4	1113.1	1074.7	984.4	855.0	698.6	572.4	502.8	479.9	501.5	572.2
40.5°	1077.7	1093.0	1056.9	969.7	842.8	688.1	562.8	493.3	470.7	492.1	562.3
41°	1054.9	1072.1	1038.6	954.1	830.6	678.0	552.9	483.9	461.6	482.4	552.6
41.5°	1031.7	1049.8	1019.8	938.4	817.8	667.5	543.2	474.5	452.2	473.3	542.4
42°	1007.6	1027.6	1000.7	922.1	805.1	657.1	533.3	465.4	443.3	463.9	532.3
42.5°	984.2	1005.3	981.1	905.8	791.6	646.4	523.9	456.2	434.1	454.7	521.8
43°	960.8	982.6	961.0	889.0	777.7	635.5	514.2	447.1	424.9	445.5	511.2
43.5°	937.1	960.0	940.4	872.0	763.9	624.3	504.8	437.9	416.0	436.4	500.5

TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	867.4	891.8	879.6	819.9	721.2	589.5	476.6	410.7	389.1	409.2	467.9
45.5°	845.3	869.5	858.5	802.1	706.2	577.3	467.2	401.8	380.2	400.3	456.7
46°	822.7	846.8	837.7	784.5	691.7	565.3	457.5	392.6	371.3	391.1	445.5
46.5°	799.3	823.9	816.8	766.2	676.7	553.1	447.8	383.7	362.1	382.0	434.9
47°	777.7	801.6	796.0	748.2	661.7	540.9	437.7	374.8	353.5	372.6	423.7
47.5°	754.8	779.4	774.6	729.6	646.7	528.4	427.7	365.9	344.6	363.4	412.2
48°	733.4	757.6	753.8	711.5	631.9	516.2	417.8	357.3	335.9	354.0	401.0
48.5°	712.6	736.2	732.9	693.0	616.7	504.0	407.6	348.1	327.0	344.6	390.1
49°	690.9	714.8	712.1	674.9	601.7	491.6	397.5	339.2	318.1	335.2	378.9
49.5°	670.6	693.5	692.0	656.4	586.4	479.1	387.3	330.6	309.5	325.8	367.7
50°	649.7	672.4	670.9	637.8	571.9	466.6	377.4	321.9	301.1	316.6	356.5
50.5°	628.9	651.8	651.0	619.2	556.4	453.9	367.0	312.8	292.4	306.9	345.9
51°	609.8	631.4	631.2	601.4	540.9	441.2	356.5	303.6	283.5	297.3	334.7
51.5°	590.2	611.6	611.6	583.4	525.9	429.3	346.4	295.0	275.2	288.1	324.2
52°	570.7	592.0	592.3	565.6	510.9	416.8	336.2	286.3	266.8	278.7	313.3
52.5°	552.9	572.7	573.2	547.3	495.4	404.3	325.8	277.2	258.1	269.6	302.6
53°	533.8	554.1	554.4	530.0	480.1	391.9	315.8	268.3	249.7	260.2	291.9
53.5°	516.2	535.6	536.1	512.7	465.1	379.7	305.7	259.6	241.1	251.0	281.5
54°	498.2	517.3	518.0	495.6	450.4	367.5	295.2	250.7	232.9	241.8	271.1
54.5°	480.9	499.7	500.7	478.6	435.4	355.5	285.3	241.8	224.6	232.9	260.9
55°	465.1	482.4	482.9	461.8	420.6	343.8	275.4	233.5	217.7	224.6	250.7
55.5°	448.3	465.6	466.1	445.5	405.9	331.6	265.5	224.8	211.1	215.9	241.1
56°	433.1	449.1	449.6	429.5	391.4	319.7	255.6	216.9	204.2	207.5	231.2
56.5°	417.1	433.1	433.3	413.5	377.4	308.2	245.9	209.0	197.3	199.1	222.0
57°	402.3	417.3	417.6	398.0	363.4	296.5	236.5	201.2	192.5	190.7	212.9
57.5°	387.8	402.1	401.8	383.0	349.7	284.8	227.1	193.3	186.7	182.6	203.4
58°	373.3	387.3	386.8	368.2	335.7	273.9	218.2	188.7	180.6	175.0	194.3
58.5°	359.6	372.8	372.3	354.0	322.5	262.7	209.0	183.4	174.5	168.3	185.1
59°	345.6	358.6	358.1	339.8	309.5	251.8	200.1	177.5	168.3	163.3	176.5
59.5°	332.4	345.3	344.3	326.0	296.5	241.1	191.2	171.4	162.5	157.9	168.1
60°	318.6	331.9	330.6	312.8	284.1	230.7	182.3	165.6	156.7	152.6	160.0
60.5°	305.7	318.6	317.4	299.6	271.6	220.5	173.9	159.4	150.8	147.0	152.3
61°	293.5	305.7	304.7	287.1	259.9	210.6	165.8	153.6	145.2	141.4	145.0
61.5°	281.3	293.5	292.2	274.6	248.5	200.4	158.4	147.8	139.9	136.1	137.6
62°	269.3	281.3	280.5	262.7	237.3	190.5	151.1	142.2	134.5	130.7	131.0
62.5°	257.6	269.6	268.8	251.3	226.8	181.6	143.9	136.8	129.2	125.6	124.4
63°	246.7	258.1	257.4	240.1	216.4	172.4	137.1	131.5	123.8	120.5	118.0
63.5°	235.7	247.2	246.4	229.1	206.0	163.8	131.5	126.4	118.8	115.7	112.1
64°	224.8	236.2	235.7	218.2	195.6	155.4	126.6	121.3	113.7	110.9	106.6
64.5°	214.4	226.3	225.6	208.0	185.4	147.2	121.8	116.5	108.6	106.0	101.2
65°	204.7	216.2	215.4	198.1	176.0	139.6	117.0	111.6	103.5	101.2	96.4
65.5°	195.3	206.5	205.7	188.7	167.1	132.0	112.4	107.1	98.9	96.6	91.8
66°	185.6	196.8	196.3	179.5	158.2	124.6	107.6	102.2	94.3	92.1	87.7





TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	160.0	170.6	170.1	153.9	134.0	105.3	94.6	89.3	81.1	79.1	76.8
68°	151.8	162.5	162.0	145.7	126.6	99.4	90.5	85.2	77.1	75.0	73.5
68.5°	144.2	154.6	153.9	138.1	119.3	93.8	86.5	81.1	73.2	71.2	70.2
69°	136.6	147.2	146.2	130.7	112.7	88.8	82.6	77.3	69.4	67.4	66.9
69.5°	129.2	139.9	139.1	123.6	106.0	83.7	79.1	73.5	65.9	63.8	63.8
70°	122.3	132.5	131.7	116.7	99.9	79.1	75.5	69.9	62.3	60.3	60.5
70.5°	115.7	125.9	125.1	110.4	93.8	74.8	72.2	66.6	59.3	57.0	57.5
71°	109.1	119.3	118.5	104.0	88.5	70.7	68.9	63.3	55.9	53.9	54.7
71.5°	102.7	113.2	112.1	98.2	83.2	66.6	65.6	60.0	52.9	50.9	51.9
72°	96.9	106.8	106.0	92.6	78.1	63.1	62.3	57.0	50.1	48.1	48.8
72.5°	90.5	101.0	100.2	87.7	73.2	59.5	59.5	54.2	47.3	45.5	46.3
73°	85.4	95.1	94.3	82.6	68.7	56.2	56.5	51.4	44.8	42.7	43.7
73.5°	80.4	91.0	89.5	77.8	64.3	53.1	53.7	48.6	42.2	40.4	41.2
74°	75.3	85.7	84.4	72.7	60.3	50.4	50.9	46.0	39.7	37.9	38.7
74.5°	70.2	80.6	79.6	67.6	56.5	47.6	48.3	43.5	37.4	35.6	36.4
75°	65.6	75.5	74.5	63.3	52.6	45.0	45.5	40.9	35.1	33.6	34.1
75.5°	60.8	70.4	69.7	59.3	49.1	42.7	43.2	38.7	33.1	31.3	32.0
76°	56.5	65.9	65.1	55.2	45.8	40.4	40.9	36.4	30.8	29.2	30.0
76.5°	52.4	61.5	60.8	51.4	42.7	38.1	38.7	34.3	28.7	27.2	28.0
77°	48.3	57.5	56.7	47.8	39.7	36.1	36.4	32.0	27.0	25.4	26.2
77.5°	44.5	53.7	52.6	44.5	36.9	34.1	34.3	30.0	25.2	23.7	24.4
78°	40.9	49.8	48.8	41.2	34.1	32.0	32.3	28.0	23.4	21.9	22.6
78.5°	37.4	46.3	45.3	37.9	31.5	30.3	30.3	25.9	21.6	20.3	21.1
79°	34.1	43.0	41.7	35.1	29.2	28.5	28.2	24.2	20.1	18.8	19.6
79.5°	30.8	39.7	38.4	32.3	27.0	26.7	26.4	22.4	18.6	17.0	18.1
80°	27.7	36.6	35.3	29.5	25.2	24.9	24.7	20.9	16.8	15.5	16.3
80.5°	24.9	33.6	32.6	27.2	23.1	23.4	22.9	19.1	15.3	14.0	14.7
81°	22.1	30.8	29.8	24.9	21.6	21.9	21.4	17.3	14.0	12.7	13.5
81.5°	19.3	28.0	27.0	22.6	19.8	20.3	19.6	15.5	12.5	11.4	12.2
82°	16.8	25.4	24.4	20.6	18.3	18.6	18.1	14.0	11.2	10.2	10.9
82.5°	14.5	22.9	22.1	18.8	16.5	17.0	16.3	12.7	9.9	8.9	9.7
83°	12.2	20.6	19.8	17.0	15.0	15.5	14.7	11.2	8.6	7.6	8.6
83.5°	9.9	18.3	17.8	15.3	13.7	14.2	13.2	9.9	7.6	6.6	7.6
84°	8.1	16.0	15.8	13.5	12.2	13.0	12.0	8.6	6.6	5.3	6.6
84.5°	6.4	14.0	14.0	12.0	11.2	11.7	10.7	7.4	5.3	4.6	5.6
85°	4.6	12.0	12.2	10.7	9.9	10.4	9.4	6.4	4.3	3.6	4.8
85.5°	2.8	9.9	10.4	9.2	8.6	9.2	8.1	5.3	3.6	3.1	3.8
86°	2.0	8.6	9.2	8.1	7.6	8.1	7.1	4.6	2.8	2.5	3.1
86.5°	1.5	7.1	7.9	6.9	6.6	6.9	6.1	3.8	2.3	2.0	2.3
87°	1.3	5.6	6.4	5.6	5.6	5.8	5.1	3.1	1.8	1.5	1.5
87.5°	0.8	4.3	5.1	4.6	4.6	4.8	4.1	2.5	1.3	1.0	0.8
88°	0.5	3.1	3.8	3.6	3.8	3.8	3.3	1.8	0.8	0.5	0.3
88.5°	0.3	1.8	2.5	2.5	3.1	2.8	2.3	1.3	0.5	0.3	0.0



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-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	0.3	0.5	0.5	0.3	0.0	0.0	0.0	0.0



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1328.7	1328.7	1328.7	1328.7	1328.7	1328.7
0.5°	1325.7	1324.9	1329.8	1334.1	1337.6	1338.7
1°	1322.1	1324.7	1332.6	1339.9	1345.3	1346.5
1.5°	1318.3	1323.9	1335.1	1345.0	1352.4	1354.7
2°	1314.2	1323.1	1337.6	1350.4	1359.5	1362.6
2.5°	1310.2	1322.1	1339.7	1355.4	1366.1	1370.2
3°	1306.1	1321.1	1341.7	1360.0	1373.0	1377.6
3.5°	1301.5	1319.8	1343.7	1364.6	1379.1	1384.7
4°	1297.0	1318.3	1345.3	1368.9	1385.4	1391.6
4.5°	1292.1	1316.5	1346.8	1373.0	1391.3	1398.4
5°	1287.3	1314.8	1348.1	1377.1	1397.1	1405.0
5.5°	1282.5	1313.0	1349.3	1380.6	1402.7	1411.1
6°	1277.1	1310.9	1350.4	1384.2	1407.8	1417.2
6.5°	1272.0	1308.6	1350.9	1387.5	1412.9	1422.8
7°	1266.7	1306.1	1351.4	1390.5	1417.5	1428.4
7.5°	1261.1	1303.6	1351.9	1393.3	1422.1	1433.8
8°	1255.5	1300.8	1351.9	1395.9	1426.4	1438.6
8.5°	1249.7	1297.7	1351.9	1398.2	1430.5	1443.4
9°	1243.8	1294.9	1351.6	1400.2	1434.3	1448.0
9.5°	1237.7	1291.4	1351.1	1402.2	1437.8	1452.3
10°	1231.6	1288.1	1350.4	1403.8	1441.1	1456.4
10.5°	1225.5	1284.7	1349.6	1405.0	1444.2	1460.2
11°	1218.9	1280.9	1348.3	1406.3	1447.0	1463.8
11.5°	1212.5	1276.9	1347.0	1407.1	1449.3	1466.8
12°	1205.7	1272.8	1345.5	1407.8	1451.6	1469.9
12.5°	1198.8	1268.5	1343.7	1408.1	1453.6	1472.7
13°	1191.9	1264.1	1342.0	1408.3	1455.1	1475.0
13.5°	1185.1	1259.8	1339.7	1408.1	1456.4	1477.3
14°	1177.9	1255.0	1337.4	1407.8	1457.7	1479.0
14.5°	1170.6	1250.2	1334.8	1407.1	1458.4	1480.6
15°	1163.2	1245.1	1331.8	1406.3	1458.9	1481.8
15.5°	1155.8	1239.7	1328.7	1405.0	1459.2	1482.8
16°	1148.2	1234.6	1325.7	1403.8	1459.2	1483.6
16.5°	1140.6	1229.1	1322.4	1402.0	1458.9	1484.1
17°	1132.7	1223.5	1318.6	1400.2	1458.4	1484.4
17.5°	1124.8	1217.6	1314.8	1397.9	1457.7	1484.1
18°	1116.6	1211.5	1310.7	1395.6	1456.7	1483.9
18.5°	1108.5	1205.4	1306.4	1392.8	1455.1	1483.1
19°	1100.4	1199.0	1301.8	1390.0	1453.6	1482.3
19.5°	1092.0	1192.7	1297.2	1386.7	1451.6	1481.1
20°	1083.6	1185.8	1292.1	1383.4	1449.5	1479.5
20.5°	1075.2	1179.2	1287.0	1379.6	1447.0	1477.8
21°	1066.3	1172.3	1281.7	1375.8	1444.2	1475.7



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1040.1	1150.2	1264.4	1362.6	1434.3	1467.8
23°	1030.9	1142.8	1258.0	1357.5	1430.5	1464.5
23.5°	1022.3	1135.2	1251.7	1352.4	1426.4	1461.2
24°	1012.9	1127.3	1245.1	1347.0	1421.8	1457.2
24.5°	1003.5	1119.4	1238.2	1341.2	1417.0	1453.1
25°	994.3	1110.8	1231.1	1335.1	1411.9	1448.5
25.5°	985.2	1102.7	1224.0	1328.7	1406.3	1443.7
26°	975.8	1094.3	1216.6	1322.4	1401.0	1438.9
26.5°	965.8	1086.1	1209.2	1315.5	1394.9	1433.3
27°	956.4	1077.0	1201.3	1308.4	1388.8	1427.7
27.5°	946.8	1067.8	1193.2	1301.3	1382.1	1421.6
28°	937.1	1059.4	1184.8	1293.6	1375.0	1415.2
28.5°	927.2	1050.3	1176.4	1285.8	1367.6	1408.3
29°	917.3	1041.1	1167.8	1277.6	1360.0	1401.0
29.5°	907.6	1032.0	1158.6	1269.0	1351.6	1393.1
30°	897.4	1022.3	1150.0	1260.1	1343.0	1384.7
30.5°	887.3	1012.9	1140.3	1250.7	1333.6	1376.0
31°	877.3	1003.0	1131.1	1241.0	1323.9	1367.1
31.5°	867.2	993.8	1121.2	1230.6	1313.5	1357.5
32°	857.0	983.1	1111.1	1219.9	1303.1	1347.8
32.5°	846.8	973.2	1100.4	1209.0	1292.1	1337.1
33°	836.4	962.8	1089.2	1197.3	1280.9	1325.4
33.5°	826.2	952.9	1078.2	1185.3	1269.0	1313.2
34°	815.8	942.2	1066.0	1172.3	1255.8	1301.5
34.5°	805.6	931.3	1053.6	1159.1	1242.0	1288.6
35°	795.0	920.3	1040.9	1145.6	1228.0	1275.6
35.5°	784.8	908.6	1027.6	1131.7	1213.8	1261.6
36°	774.4	896.4	1014.2	1116.9	1198.8	1246.6
36.5°	763.7	884.5	1000.2	1101.6	1183.0	1231.3
37°	753.0	871.8	985.2	1085.4	1166.2	1215.1
37.5°	742.1	858.0	970.2	1068.6	1148.7	1198.3
38°	731.4	844.5	953.6	1051.3	1130.1	1180.7
38.5°	720.4	830.8	937.6	1033.0	1111.1	1161.9
39°	709.3	816.6	920.1	1013.7	1091.0	1142.8
39.5°	697.6	801.6	903.3	993.3	1069.6	1122.2
40°	685.6	786.8	885.0	972.5	1047.2	1100.4
40.5°	672.9	771.6	867.2	952.4	1024.8	1077.7
41°	660.4	756.3	849.1	931.0	1002.0	1054.9
41.5°	647.5	741.3	830.8	909.9	978.8	1031.7
42°	634.2	725.3	812.8	888.8	955.2	1007.6
42.5°	621.5	709.5	794.2	867.7	932.5	984.2
43°	608.3	693.7	775.1	846.1	909.9	960.8
43.5°	595.1	678.2	756.6	824.7	886.8	937.1

TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	555.1	629.7	699.8	761.4	819.4	867.4
45.5°	541.9	614.1	681.0	740.8	797.5	845.3
46°	528.4	597.9	662.2	719.7	775.4	822.7
46.5°	515.2	582.4	643.9	699.8	754.3	799.3
47°	501.5	566.3	625.6	679.8	732.7	777.7
47.5°	487.8	550.1	606.5	660.2	711.3	754.8
48°	474.5	534.3	588.5	640.6	690.4	733.4
48.5°	461.3	518.5	570.9	622.0	670.3	712.6
49°	447.6	503.5	553.6	603.0	650.0	690.9
49.5°	434.6	487.5	536.1	584.4	630.7	670.6
50°	421.4	472.0	518.5	566.3	610.6	649.7
50.5°	408.2	456.5	502.5	548.3	592.0	628.9
51°	395.2	441.5	485.7	531.0	573.2	609.8
51.5°	383.0	426.2	470.0	513.7	554.6	590.2
52°	369.5	412.0	454.4	497.2	536.8	570.7
52.5°	356.8	397.7	438.9	480.9	519.3	552.9
53°	344.3	383.0	423.7	464.6	502.0	533.8
53.5°	332.1	369.0	408.9	449.1	485.5	516.2
54°	319.7	355.8	394.7	433.3	468.7	498.2
54.5°	308.0	342.3	380.4	418.8	452.9	480.9
55°	296.0	329.1	366.7	403.8	437.4	465.1
55.5°	284.1	316.6	353.5	389.8	422.1	448.3
56°	272.6	304.1	340.0	375.9	407.4	433.1
56.5°	261.4	291.9	327.3	362.4	392.4	417.1
57°	250.5	280.2	314.6	348.9	378.4	402.3
57.5°	239.8	268.5	302.6	335.9	364.7	387.8
58°	229.4	257.4	290.7	323.7	351.4	373.3
58.5°	219.7	246.2	278.7	311.3	338.2	359.6
59°	209.8	235.7	268.0	299.3	325.5	345.6
59.5°	199.9	225.3	256.3	287.6	313.6	332.4
60°	190.2	215.1	246.2	276.4	301.4	318.6
60.5°	181.3	205.5	235.7	265.2	290.2	305.7
61°	172.7	195.8	225.6	254.3	278.2	293.5
61.5°	164.0	186.7	215.9	244.4	267.3	281.3
62°	155.6	177.8	206.5	234.2	256.6	269.3
62.5°	147.8	169.1	197.1	224.3	245.9	257.6
63°	140.1	160.5	188.2	214.6	235.5	246.7
63.5°	132.7	152.3	179.3	205.7	225.3	235.7
64°	125.6	144.7	170.9	196.6	215.4	224.8
64.5°	119.0	137.1	163.0	187.9	206.2	214.4
65°	112.7	129.9	155.1	179.3	196.8	204.7
65.5°	106.3	123.1	147.5	171.4	187.9	195.3
66°	100.5	116.2	139.9	163.5	179.0	185.6



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-4000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	84.4	97.7	119.8	141.4	154.9	160.0
68°	79.6	92.3	113.2	134.3	147.5	151.8
68.5°	74.8	87.2	107.1	127.7	140.1	144.2
69°	70.7	82.4	101.2	121.0	133.3	136.6
69.5°	66.4	77.6	95.6	114.9	126.1	129.2
70°	62.6	72.5	90.5	108.8	119.8	122.3
70.5°	58.7	67.6	85.4	103.0	113.4	115.7
71°	55.4	63.6	80.6	97.4	107.6	109.1
71.5°	51.9	59.5	75.8	92.1	101.5	102.7
72°	48.8	55.4	70.7	87.2	95.9	96.9
72.5°	45.8	51.9	66.4	82.4	90.3	90.5
73°	43.0	48.3	62.1	77.6	85.4	85.4
73.5°	40.2	45.3	58.2	72.7	80.6	80.4
74°	37.6	42.0	54.4	67.9	75.5	75.3
74.5°	35.1	38.9	50.9	63.6	70.7	70.2
75°	32.8	36.1	47.0	59.5	66.4	65.6
75.5°	30.8	33.3	43.7	55.4	62.1	60.8
76°	28.7	30.8	40.4	51.6	57.7	56.5
76.5°	27.0	28.2	37.4	47.8	53.7	52.4
77°	25.2	26.2	34.6	44.2	50.1	48.3
77.5°	23.4	24.2	31.8	40.9	46.5	44.5
78°	21.9	22.1	29.2	37.9	43.0	40.9
78.5°	20.3	20.3	26.7	34.8	39.7	37.4
79°	19.1	18.6	24.4	31.8	36.4	34.1
79.5°	17.5	16.8	22.4	29.0	33.3	30.8
80°	16.0	15.3	20.1	26.4	30.5	27.7
80.5°	14.7	14.0	18.3	23.9	27.7	24.9
81°	13.5	12.5	16.3	21.6	24.9	22.1
81.5°	12.2	11.2	14.7	19.3	22.4	19.3
82°	10.9	9.9	13.0	17.0	20.1	16.8
82.5°	9.9	8.9	11.4	15.3	17.8	14.5
83°	8.6	7.9	9.9	13.2	15.8	12.2
83.5°	7.6	6.6	8.6	11.4	13.7	9.9
84°	6.6	5.6	7.4	9.9	12.0	8.1
84.5°	5.6	4.6	6.1	8.4	10.2	6.4
85°	4.6	3.8	4.8	7.1	8.9	4.6
85.5°	3.6	2.8	3.8	5.6	7.4	2.8
86°	2.8	2.0	2.8	4.1	5.8	2.0
86.5°	2.0	1.3	1.8	2.8	4.6	1.5
87°	1.0	0.5	0.8	1.8	3.1	1.3
87.5°	0.5	0.3	0.3	0.8	1.8	0.8
88°	0.0	0.0	0.0	0.0	0.8	0.5
88.5°	0.0	0.0	0.0	0.0	0.0	0.3



TEST NUMBER: P776088

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-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



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Scaled Data Report





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

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Scaled Data Report



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Scaled Data Report





21.5°	1473.4	1460.5	1404.5	1310.9	1189.4	1062.2	954.4	885.7	863.1	887.3	956.2
22°	1470.9	1457.7	1401.0	1306.1	1183.0	1053.6	944.0	874.3	851.4	876.3	945.8



44°	914.0	937.4	920.1	854.7	749.7	612.9	495.4	428.8	406.9	427.2	489.5
44.5°	891.1	914.5	900.2	837.4	735.4	601.4	486.0	419.6	397.7	418.1	478.9



66.5°	176.5	187.9	187.4	170.4	149.8	118.0	103.0	97.7	89.5	87.5	83.9
67°	168.1	179.3	178.3	162.0	141.9	111.4	98.7	93.6	85.2	83.4	80.4



89°	0.0	0.8	1.5	1.5	2.0	2.0	1.5	0.8	0.0	0.0	0.0
89.5°	0.0	0.3	0.5	0.8	1.3	1.3	0.8	0.3	0.0	0.0	0.0



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21.5°	1057.9	1164.7	1276.1	1371.5	1441.4	1473.4
22°	1048.7	1158.1	1270.2	1367.1	1437.8	1470.9



44°	581.6	662.2	737.7	803.3	863.9	914.0
44.5°	568.4	645.9	718.9	782.2	841.7	891.1



66.5°	94.6	109.9	133.0	155.9	170.9	176.5
67°	89.3	103.5	126.1	148.3	162.8	168.1

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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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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)