

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: P776114

Luminaire Tested: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B018)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K  
Description: 6 INCH SQUARE MEDIUM LENSED WALLWASH KIT  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2289.9 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.19 / 1.3  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

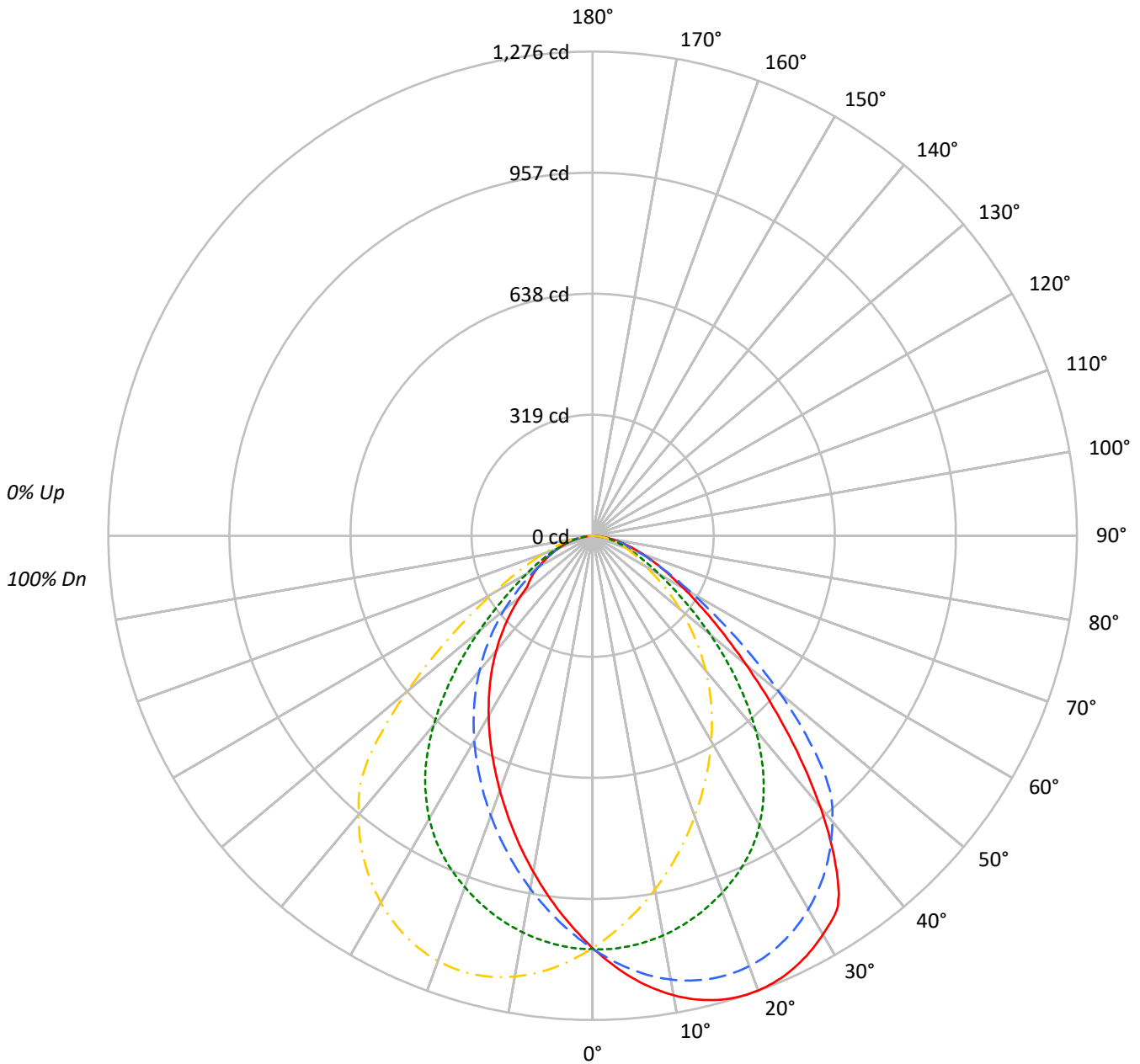
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P776114

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	104	101	98	100	97	95	96	94	92	93	91	89	87				87															
2	102	95	89	84	100	93	88	83	90	85	81	86	83	79	83	80	78	76				76															
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66				66															
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58				58															
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51				51															
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	45				45															
7	70	57	49	44	68	57	49	44	55	48	43	54	48	43	52	47	43	41				41															
8	65	53	45	39	64	52	45	39	51	44	39	50	43	39	48	43	39	37				37															
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33				33															
10	57	45	38	33	56	45	37	33	44	37	32	43	37	32	42	36	32	31				31															

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

	0°	90°	180°	270°
0°	46849	46849	46849	46849
5°	50485	46950	42965	46773
10°	53758	46750	39322	46400
15°	56440	46371	35878	45845
20°	58433	45823	32728	45150
25°	59702	45084	29863	44248
30°	60321	43726	27235	42791
35°	59294	41276	24720	40420
40°	52479	37523	22201	36606
45°	43713	32600	19552	31657
50°	35360	27028	16598	26177
55°	28637	21626	15073	21123
60°	23896	17541	14157	17360
65°	20325	14599	12918	14701
70°	17674	12513	11896	12740
75°	15421	10830	10780	11212
80°	12670	9273	9025	9720
85°	8151	7163	4989	7904

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 51555 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.8	4.5
10°-20°	291.8	12.7
20°-30°	432.8	18.9
30°-40°	494.6	21.6
40°-50°	430.0	18.8
50°-60°	279.8	12.2
60°-70°	159.4	7.0
70°-80°	79.9	3.5
80°-90°	19.0	0.8
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°	827.3	36.1
0°-40°	1321.9	57.7
0°-60°	2031.7	88.7
0°-90°	2289.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2289.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1088	1088	1088	1088	1088	
5°	1168	1086	994	1082	1168	113
15°	1266	1040	805	1028	1266	358
25°	1257	949	629	931	1257	579
35°	1128	785	470	769	1128	692
45°	718	535	321	520	718	555
55°	382	288	201	281	382	347
65°	200	143	127	144	200	200
75°	93	65	65	67	93	98
85°	16	14	10	16	16	22
90°	0	0	0	0	0	



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1
0.5°	1094.8	1094.8	1094.8	1093.5	1090.4	1088.1	1080.1	1077.0	1077.0	1078.3	1081.6
1°	1103.3	1102.8	1100.7	1096.9	1090.4	1084.7	1073.9	1068.7	1068.0	1069.8	1075.2
1.5°	1112.1	1111.1	1106.9	1100.2	1090.4	1081.1	1067.2	1060.5	1058.7	1061.3	1068.5
2°	1120.6	1119.1	1112.9	1103.3	1090.2	1077.5	1060.7	1052.0	1049.6	1053.0	1061.8
2.5°	1128.9	1126.6	1119.1	1106.4	1089.9	1073.6	1054.3	1043.4	1040.3	1044.2	1054.8
3°	1137.1	1134.3	1124.8	1109.3	1089.4	1070.0	1047.3	1034.9	1031.3	1035.7	1047.8
3.5°	1145.2	1141.8	1130.2	1112.1	1088.9	1066.2	1040.6	1026.4	1022.0	1026.9	1040.9
4°	1152.9	1149.0	1135.9	1114.7	1087.8	1061.8	1033.6	1017.9	1013.0	1018.4	1033.9
4.5°	1160.6	1156.0	1141.0	1117.3	1087.1	1057.9	1026.9	1008.8	1003.4	1009.4	1026.9
5°	1168.1	1163.0	1146.2	1119.9	1086.3	1053.5	1019.9	1000.3	994.1	1000.6	1019.7
5.5°	1175.1	1169.7	1151.3	1121.9	1085.0	1049.1	1012.7	991.6	984.8	991.8	1012.5
6°	1182.1	1176.1	1156.0	1124.0	1083.7	1044.5	1005.5	982.8	975.5	982.8	1005.0
6.5°	1189.0	1182.3	1160.6	1126.0	1082.4	1040.1	998.5	974.0	966.0	974.0	997.7
7°	1195.5	1188.5	1165.0	1127.9	1080.9	1035.7	991.3	965.0	956.4	965.0	990.3
7.5°	1201.7	1194.2	1169.4	1129.7	1079.3	1030.5	983.8	955.9	946.9	955.9	982.8
8°	1207.6	1199.9	1173.3	1131.2	1077.5	1025.9	976.3	947.2	937.6	946.9	975.3
8.5°	1213.6	1205.0	1177.2	1132.5	1075.7	1020.7	969.1	938.1	928.0	938.1	967.5
9°	1219.2	1210.5	1180.8	1133.5	1073.6	1015.8	961.6	929.3	918.2	928.8	960.1
9.5°	1224.7	1215.4	1184.1	1134.6	1071.6	1010.9	954.1	920.0	908.9	919.8	952.3
10°	1229.6	1220.0	1187.5	1135.6	1069.3	1005.5	946.4	911.0	899.4	910.8	944.6
10.5°	1234.5	1224.7	1190.6	1136.4	1067.2	1000.3	938.6	902.0	890.1	901.7	936.8
11°	1239.1	1228.8	1193.2	1136.9	1064.6	994.9	930.9	892.9	880.5	892.4	929.1
11.5°	1243.5	1232.7	1196.0	1137.4	1062.0	989.2	923.1	884.2	870.7	883.6	921.3
12°	1247.6	1236.5	1198.3	1137.4	1059.2	983.6	915.4	874.6	861.4	874.4	913.3
12.5°	1251.5	1239.9	1200.4	1137.7	1056.3	977.9	907.7	865.8	852.2	865.3	905.6
13°	1254.9	1243.2	1202.5	1137.4	1053.5	972.4	899.7	856.8	842.6	856.0	897.6
13.5°	1258.2	1246.1	1204.3	1137.1	1050.2	966.5	891.6	847.8	833.0	847.2	889.6
14°	1261.1	1248.9	1205.8	1136.9	1047.1	960.6	883.9	838.7	823.8	838.0	881.6
14.5°	1263.9	1251.3	1207.1	1136.4	1043.7	954.6	875.6	829.4	814.2	828.9	873.6
15°	1266.2	1253.6	1208.1	1135.6	1040.3	948.4	867.6	820.4	804.9	819.9	865.6
15.5°	1268.5	1255.4	1209.2	1134.6	1036.7	942.5	859.6	811.6	795.6	811.1	857.3
16°	1270.4	1257.2	1209.7	1133.5	1033.1	936.3	851.6	802.6	786.3	801.8	849.3
16.5°	1271.9	1258.5	1210.2	1132.2	1029.5	930.1	843.6	793.6	777.3	793.0	841.3
17°	1273.2	1259.5	1210.5	1130.7	1025.4	923.7	835.4	784.5	768.0	784.0	833.3
17.5°	1274.2	1260.3	1210.5	1129.1	1021.5	917.5	827.4	775.7	759.0	775.0	825.0
18°	1275.0	1260.8	1210.2	1127.6	1017.4	911.3	819.4	766.7	749.7	766.2	816.8
18.5°	1275.5	1261.3	1209.7	1125.5	1013.2	904.6	811.1	757.9	740.9	757.4	808.8
19°	1275.5	1261.3	1208.9	1123.5	1008.8	897.8	803.1	749.2	732.1	748.6	800.8
19.5°	1275.5	1261.1	1208.1	1121.4	1004.7	891.4	794.8	740.4	723.1	739.9	792.8
20°	1275.3	1260.5	1206.8	1118.8	1000.1	884.9	786.6	731.6	714.3	731.1	784.5
20.5°	1274.5	1259.8	1205.6	1116.5	995.7	878.2	778.6	722.8	705.3	722.6	776.3
21°	1273.7	1258.7	1203.8	1113.7	990.8	871.3	770.3	714.3	696.7	713.8	768.3



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1269.1	1253.8	1197.6	1104.6	976.1	850.9	746.1	688.7	670.7	688.5	743.7
23°	1267.3	1251.8	1195.0	1101.3	971.2	843.9	737.8	680.2	662.2	680.0	735.7
23.5°	1264.9	1249.4	1192.1	1097.9	965.7	836.9	729.8	671.7	653.6	671.7	727.7
24°	1262.4	1246.6	1189.3	1094.0	960.3	829.7	721.5	663.4	645.4	663.2	719.5
24.5°	1259.5	1243.8	1185.9	1090.4	954.9	822.7	713.5	655.2	637.1	654.7	711.5
25°	1256.7	1240.7	1182.6	1086.3	949.0	815.2	705.5	646.7	628.6	646.4	703.2
25.5°	1253.3	1237.1	1179.0	1082.2	943.3	808.3	697.3	638.4	620.3	638.4	695.5
26°	1249.7	1233.7	1175.1	1077.5	937.1	800.8	689.3	630.1	612.1	629.9	687.2
26.5°	1245.8	1229.6	1171.0	1073.1	930.9	793.3	681.3	622.1	603.8	621.9	679.2
27°	1242.0	1225.7	1166.8	1068.5	924.4	785.8	673.3	613.9	595.8	613.6	671.2
27.5°	1237.8	1221.3	1162.2	1063.3	917.5	778.3	665.0	605.6	587.8	605.6	663.4
28°	1233.2	1216.9	1157.3	1057.9	910.2	770.6	657.0	597.4	579.5	597.4	655.4
28.5°	1228.5	1212.0	1152.6	1052.5	903.3	762.6	649.2	589.4	571.5	589.4	647.4
29°	1223.6	1206.8	1147.5	1046.5	895.5	754.6	641.0	581.4	563.8	581.4	639.4
29.5°	1218.5	1201.7	1142.1	1040.3	887.8	746.6	633.2	573.4	555.8	573.6	631.4
30°	1213.3	1196.3	1136.6	1033.9	879.5	738.0	625.0	565.6	547.8	565.3	623.4
30.5°	1207.9	1190.6	1131.0	1027.2	871.3	729.5	617.0	557.3	539.8	557.6	615.7
31°	1202.7	1184.9	1125.0	1020.2	862.7	721.3	609.0	549.3	532.0	549.9	607.7
31.5°	1197.6	1179.0	1118.8	1012.5	854.0	712.5	601.0	541.9	524.3	541.9	599.7
32°	1192.4	1172.8	1112.6	1004.7	844.9	703.7	593.0	533.9	516.6	534.1	591.7
32.5°	1186.2	1166.8	1105.9	996.5	835.4	694.9	585.0	525.9	508.8	526.4	583.9
33°	1179.2	1160.6	1099.5	987.9	825.6	685.9	577.0	518.4	501.1	518.6	575.9
33.5°	1170.7	1154.7	1092.7	979.2	816.0	676.9	569.0	510.6	493.3	511.1	567.9
34°	1157.5	1148.5	1085.8	970.1	805.9	667.6	560.7	502.9	485.8	503.1	559.9
34.5°	1145.9	1141.8	1078.3	960.3	795.9	658.3	552.7	494.9	478.1	495.6	551.9
35°	1128.1	1133.8	1070.8	950.2	785.3	648.7	544.7	487.4	470.3	487.9	544.2
35.5°	1111.6	1124.8	1063.1	939.9	774.7	639.4	537.0	479.6	462.9	480.4	536.2
36°	1095.6	1112.1	1055.1	929.1	763.6	629.9	528.7	472.2	455.4	472.9	528.2
36.5°	1074.9	1099.7	1046.8	918.2	752.2	620.3	520.4	464.4	447.6	465.2	519.9
37°	1058.2	1083.5	1038.3	906.9	740.9	610.5	512.4	456.7	440.1	457.4	512.2
37.5°	1037.8	1066.2	1029.5	894.7	729.3	600.7	504.2	449.2	432.7	450.0	503.9
38°	1016.6	1051.7	1020.7	882.4	716.9	590.9	496.2	441.4	425.2	442.5	495.9
38.5°	997.5	1031.3	1011.4	870.0	705.3	581.1	487.9	433.9	417.7	435.0	487.9
39°	974.8	1014.0	1002.4	857.3	692.9	571.3	479.6	426.5	409.9	427.5	480.2
39.5°	955.2	995.4	992.6	843.9	680.5	561.2	471.4	418.7	402.5	420.0	471.9
40°	933.7	974.0	982.8	830.0	667.6	550.9	463.1	411.2	395.0	412.5	463.6
40.5°	910.0	957.0	972.7	816.0	654.9	540.8	455.1	403.7	387.7	405.0	455.6
41°	890.6	935.0	963.4	801.8	642.0	530.8	446.6	396.3	380.3	397.6	447.9
41.5°	867.1	914.4	953.1	786.8	628.9	520.4	438.3	388.8	373.0	390.3	439.4
42°	846.0	895.0	941.7	771.6	615.7	510.4	430.3	381.3	365.5	382.8	431.4
42.5°	824.8	872.5	929.6	756.6	602.5	500.0	422.3	374.1	358.1	375.3	423.6
43°	800.8	853.7	916.9	741.1	589.1	490.0	414.1	366.6	350.6	368.1	415.6
43.5°	782.2	832.3	900.4	725.1	575.7	479.6	405.6	359.1	343.3	360.6	407.4



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	717.9	768.3	846.7	677.1	535.4	448.7	381.3	336.9	321.1	338.7	383.6
45.5°	695.2	749.2	828.9	660.6	521.7	438.6	373.3	329.4	313.9	331.5	375.6
46°	677.9	728.5	808.5	644.3	508.6	428.3	365.0	322.2	306.4	324.0	367.6
46.5°	655.7	706.6	787.9	627.6	495.1	418.2	357.0	314.7	298.9	316.7	359.3
47°	637.4	688.7	768.8	610.8	481.7	408.1	348.8	307.2	291.7	309.3	351.6
47.5°	618.5	666.5	746.6	594.3	468.3	398.1	340.8	300.0	284.5	302.3	343.6
48°	597.4	649.2	726.4	577.7	455.1	388.3	333.0	292.5	277.3	294.8	335.6
48.5°	582.1	629.6	705.8	561.0	442.0	377.9	325.0	285.3	270.0	287.6	327.6
49°	560.7	609.5	683.6	544.4	428.8	368.1	316.7	277.8	262.5	280.4	319.8
49.5°	546.2	593.0	664.2	527.7	416.1	358.3	309.0	270.5	255.3	273.1	311.8
50°	527.9	571.8	642.5	511.1	403.5	348.8	301.0	263.3	247.8	265.9	304.1
50.5°	511.1	556.8	621.9	494.6	390.3	339.0	293.3	255.8	240.6	258.7	296.4
51°	496.4	537.2	601.7	478.1	377.9	329.4	285.5	248.9	233.6	251.4	288.4
51.5°	477.6	521.7	580.3	462.1	366.1	320.4	277.8	241.4	226.1	244.2	280.9
52°	465.7	505.5	562.0	446.1	354.2	310.8	270.0	234.1	219.4	237.2	273.1
52.5°	448.1	487.9	541.9	430.3	342.0	301.8	262.8	226.9	216.1	230.0	265.6
53°	436.0	474.0	522.8	414.8	330.9	292.7	255.1	221.2	213.0	224.1	258.1
53.5°	421.8	455.4	503.9	399.6	319.6	283.7	247.6	215.6	209.9	218.1	250.7
54°	407.6	443.0	484.5	384.6	309.0	275.2	240.3	210.1	207.0	212.2	243.4
54.5°	396.0	426.2	467.8	370.2	298.4	266.4	233.1	204.5	203.9	206.3	236.5
55°	381.5	413.3	449.2	356.2	288.1	258.1	225.9	199.0	200.8	200.3	229.2
55.5°	371.7	399.4	433.2	342.8	278.3	250.1	218.9	195.9	197.5	197.2	222.3
56°	357.3	385.2	415.6	329.7	268.5	241.9	211.9	192.8	194.1	194.4	215.6
56.5°	348.2	373.3	400.1	317.0	259.4	234.1	204.7	189.5	190.8	191.0	208.8
57°	336.1	358.6	384.6	304.9	250.4	226.4	197.7	186.4	187.2	187.9	202.1
57.5°	326.6	348.2	368.9	293.0	241.9	219.4	191.5	183.0	183.5	184.6	195.2
58°	316.2	334.3	354.7	281.9	233.6	212.2	184.8	179.7	179.9	181.2	189.0
58.5°	305.9	324.8	340.2	271.1	225.6	205.0	178.4	176.3	176.1	177.9	182.3
59°	296.9	311.8	327.3	261.0	218.1	198.0	172.2	173.0	172.2	174.5	176.1
59.5°	286.5	302.8	313.7	250.9	210.9	191.5	166.0	169.3	168.3	170.9	170.1
60°	277.5	291.2	301.5	241.6	203.7	185.4	160.1	166.0	164.4	167.3	164.2
60.5°	268.2	282.4	289.1	232.6	196.2	179.2	154.4	162.1	160.6	163.7	158.5
61°	259.4	271.6	278.0	223.8	189.5	173.2	149.2	158.8	156.7	160.1	153.1
61.5°	251.2	262.8	266.4	215.6	183.0	167.3	145.9	154.9	152.6	156.4	148.2
62°	243.2	253.2	256.6	207.6	176.8	161.9	143.0	151.3	148.7	152.6	144.6
62.5°	234.9	245.0	245.8	200.1	170.6	156.4	139.9	147.7	144.8	149.0	141.7
63°	227.7	235.9	236.5	192.8	165.0	151.3	136.8	143.8	140.9	145.1	138.6
63.5°	219.9	228.2	226.9	185.6	159.3	146.1	134.0	140.2	137.3	141.5	135.8
64°	213.2	219.7	218.1	178.9	153.9	141.2	130.9	136.6	133.7	137.6	132.9
64.5°	205.7	212.5	209.4	172.4	148.4	136.6	127.8	132.9	130.1	134.2	129.8
65°	199.5	204.7	201.4	166.2	143.3	131.9	124.7	129.3	126.8	130.6	127.0
65.5°	192.8	198.0	193.6	160.6	138.4	127.5	121.8	126.0	123.4	127.0	123.9
66°	186.6	190.5	186.1	154.6	133.5	123.1	118.5	122.6	120.0	123.4	120.8





TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	168.1	171.2	165.0	138.4	119.8	111.0	109.2	112.6	110.2	113.3	111.5
68°	162.4	164.7	158.2	133.2	115.4	107.1	106.1	109.5	107.1	110.2	108.4
68.5°	156.7	158.8	152.3	128.3	111.3	103.5	103.0	106.4	103.8	106.9	105.3
69°	151.0	153.1	145.9	123.4	107.4	99.9	99.9	103.0	100.7	103.8	102.0
69.5°	145.6	147.1	140.2	118.7	103.0	96.5	96.8	99.9	97.6	100.4	98.9
70°	140.4	141.7	134.8	114.4	99.4	92.9	93.7	96.8	94.5	97.3	95.8
70.5°	135.0	136.0	129.1	109.7	95.5	89.8	90.9	93.7	91.4	94.2	92.9
71°	129.8	130.9	123.9	105.6	91.9	86.5	87.8	90.6	88.5	91.1	89.8
71.5°	124.9	125.7	118.7	101.5	88.3	83.4	84.7	87.8	85.4	88.0	86.7
72°	120.0	120.6	113.6	97.3	84.7	80.3	81.8	84.7	82.3	84.9	83.6
72.5°	115.1	115.7	108.7	93.5	81.3	77.2	79.0	81.6	79.5	81.8	80.8
73°	110.2	110.5	104.0	89.8	78.0	74.3	76.2	78.5	76.4	78.7	78.0
73.5°	105.6	105.8	99.4	86.0	74.6	71.8	73.3	75.6	73.6	75.9	74.9
74°	100.9	101.2	94.7	82.3	71.2	68.9	70.5	72.5	70.7	72.8	72.0
74.5°	96.3	96.5	90.6	78.7	68.2	66.6	67.6	69.7	67.6	70.0	69.2
75°	92.7	92.7	86.5	75.1	65.1	64.3	64.8	66.6	64.8	66.9	66.3
75.5°	88.3	88.3	82.3	71.8	62.2	62.0	62.0	63.8	62.0	64.0	63.5
76°	83.9	83.9	78.2	68.4	59.1	59.6	59.4	60.7	59.1	61.2	60.7
76.5°	79.3	79.5	74.1	65.1	56.3	57.1	56.5	57.8	56.3	58.1	57.8
77°	74.9	75.1	70.0	61.7	53.4	54.7	53.7	55.0	53.4	55.2	55.0
77.5°	71.0	71.2	66.1	58.3	50.6	52.1	50.9	52.1	50.6	52.4	52.1
78°	66.9	67.1	62.5	55.2	47.8	49.8	48.3	49.0	47.5	49.6	49.6
78.5°	62.7	63.2	58.6	52.1	45.2	47.2	45.4	46.2	44.7	46.7	46.7
79°	58.9	59.1	55.0	49.0	42.6	44.7	42.9	43.4	41.8	43.6	43.9
79.5°	55.0	55.5	51.4	46.2	40.0	42.3	40.3	40.5	39.2	40.8	41.0
80°	51.1	51.6	47.8	43.1	37.4	39.8	37.7	37.7	36.4	37.9	38.5
80.5°	47.5	48.0	44.4	40.3	34.9	37.4	35.1	34.6	33.6	35.1	35.9
81°	43.9	44.4	41.0	37.4	32.5	34.9	32.5	32.0	31.0	32.3	33.0
81.5°	40.3	40.8	37.7	34.6	30.2	32.5	29.9	28.9	28.1	29.4	30.5
82°	36.7	37.2	34.6	32.0	27.6	30.2	27.4	26.3	25.6	26.8	28.1
82.5°	33.3	33.8	31.5	29.4	25.6	27.9	25.0	23.7	22.7	24.3	25.6
83°	29.9	30.5	28.7	26.8	23.2	25.6	22.7	21.2	20.1	21.4	23.5
83.5°	26.3	26.8	25.6	24.3	21.2	23.2	20.4	18.8	17.6	18.8	21.2
84°	23.0	23.5	23.0	21.7	18.8	20.9	18.3	16.3	15.0	16.3	19.1
84.5°	19.6	20.4	20.4	19.4	16.8	18.6	16.0	13.7	12.4	13.7	16.8
85°	16.5	17.3	18.1	17.0	14.5	16.3	13.7	11.6	10.1	11.4	14.7
85.5°	13.2	14.2	15.5	14.7	12.4	13.9	11.6	9.8	8.5	9.6	12.6
86°	10.8	11.9	13.2	12.4	10.6	11.9	9.6	8.3	7.2	8.0	10.6
86.5°	9.0	9.8	10.8	10.3	8.5	9.6	7.5	6.7	5.9	6.5	8.8
87°	7.5	8.0	8.8	8.0	6.7	7.5	5.7	5.2	4.4	5.2	7.0
87.5°	5.7	5.9	6.7	5.9	4.9	5.4	3.6	3.4	3.1	3.6	4.9
88°	4.1	4.1	4.6	3.9	3.1	3.4	1.8	1.8	1.8	2.1	3.1
88.5°	2.3	2.3	2.6	1.8	1.3	1.5	0.5	0.5	0.8	0.8	1.3



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1
0.5°	1086.3	1090.2	1094.3	1092.5	1093.5	1094.8
1°	1082.4	1089.6	1097.1	1098.7	1101.3	1103.3
1.5°	1078.5	1089.1	1100.2	1104.4	1109.3	1112.1
2°	1074.4	1088.6	1102.8	1110.0	1117.0	1120.6
2.5°	1070.5	1087.8	1105.4	1115.7	1124.5	1128.9
3°	1066.2	1086.8	1107.7	1121.1	1132.0	1137.1
3.5°	1061.8	1085.8	1110.0	1126.6	1139.5	1145.2
4°	1057.4	1084.7	1112.1	1131.7	1146.4	1152.9
4.5°	1052.7	1083.5	1114.4	1136.6	1153.4	1160.6
5°	1048.1	1082.2	1116.2	1141.5	1160.1	1168.1
5.5°	1043.4	1080.4	1118.0	1146.2	1166.8	1175.1
6°	1038.5	1078.8	1119.6	1150.8	1173.0	1182.1
6.5°	1033.6	1077.0	1120.9	1155.0	1179.0	1189.0
7°	1028.7	1075.2	1122.4	1159.1	1184.9	1195.5
7.5°	1023.6	1073.1	1123.5	1163.0	1190.6	1201.7
8°	1018.4	1071.1	1124.5	1166.8	1196.0	1207.6
8.5°	1013.2	1068.7	1125.3	1170.2	1201.2	1213.6
9°	1007.8	1066.4	1126.0	1173.5	1206.1	1219.2
9.5°	1002.4	1063.8	1126.6	1176.6	1211.0	1224.7
10°	997.0	1061.3	1126.8	1179.7	1215.4	1229.6
10.5°	991.3	1058.4	1127.1	1182.3	1219.5	1234.5
11°	985.6	1055.6	1127.1	1184.9	1223.6	1239.1
11.5°	979.9	1052.7	1126.8	1187.0	1227.5	1243.5
12°	974.3	1049.4	1126.6	1189.0	1230.9	1247.6
12.5°	968.3	1046.3	1126.3	1191.1	1234.2	1251.5
13°	962.4	1042.9	1125.5	1192.7	1237.3	1254.9
13.5°	956.2	1039.6	1124.8	1194.2	1240.2	1258.2
14°	950.0	1036.0	1123.7	1195.5	1242.5	1261.1
14.5°	943.8	1032.3	1122.7	1196.3	1244.8	1263.9
15°	937.6	1028.5	1121.4	1197.3	1246.9	1266.2
15.5°	931.4	1024.6	1120.1	1197.8	1248.4	1268.5
16°	925.2	1020.7	1118.3	1198.1	1250.0	1270.4
16.5°	918.8	1016.6	1116.5	1198.1	1251.0	1271.9
17°	912.0	1012.5	1114.7	1197.8	1251.8	1273.2
17.5°	905.6	1008.1	1112.6	1197.6	1252.5	1274.2
18°	899.1	1003.7	1110.3	1197.0	1252.8	1275.0
18.5°	892.4	999.3	1107.7	1196.3	1252.8	1275.5
19°	886.0	994.7	1105.4	1195.0	1252.8	1275.5
19.5°	879.0	990.0	1102.6	1193.7	1252.3	1275.5
20°	872.3	985.4	1099.7	1192.4	1251.5	1275.3
20.5°	865.6	980.5	1096.6	1190.6	1250.5	1274.5
21°	858.6	975.3	1093.5	1188.5	1249.2	1273.7

TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	837.7	959.8	1082.9	1181.3	1243.8	1269.1
23°	830.7	954.4	1079.1	1178.5	1241.4	1267.3
23.5°	823.5	949.0	1074.9	1175.4	1238.9	1264.9
24°	816.5	943.3	1070.8	1172.0	1236.0	1262.4
24.5°	809.0	937.3	1066.4	1168.6	1232.9	1259.5
25°	801.8	931.4	1062.0	1164.8	1229.6	1256.7
25.5°	794.6	925.2	1057.1	1160.9	1226.0	1253.3
26°	787.1	919.0	1052.5	1156.5	1222.1	1249.7
26.5°	779.6	912.6	1047.3	1152.4	1217.9	1245.8
27°	772.1	905.8	1042.2	1147.7	1214.1	1242.0
27.5°	764.4	898.6	1036.5	1142.8	1209.4	1237.8
28°	756.4	891.6	1030.8	1137.9	1204.8	1233.2
28.5°	748.6	884.2	1024.9	1132.8	1199.6	1228.5
29°	740.6	876.4	1018.4	1127.3	1194.7	1223.6
29.5°	732.4	868.7	1011.9	1121.9	1189.3	1218.5
30°	723.9	860.7	1005.0	1116.0	1183.9	1213.3
30.5°	715.6	852.2	997.7	1110.0	1177.9	1207.9
31°	707.1	843.9	990.3	1103.8	1172.0	1202.7
31.5°	698.6	835.1	982.5	1097.7	1166.1	1197.6
32°	690.0	826.3	974.5	1090.9	1159.6	1192.4
32.5°	681.0	817.0	966.0	1084.2	1153.4	1186.2
33°	672.2	808.0	957.5	1077.5	1147.0	1179.2
33.5°	663.4	798.7	948.4	1070.5	1140.5	1170.7
34°	654.4	788.9	939.1	1063.3	1134.6	1157.5
34.5°	645.1	779.1	929.9	1055.8	1128.1	1145.9
35°	636.1	769.0	920.0	1048.1	1120.4	1128.1
35.5°	627.0	758.2	909.7	1040.3	1112.1	1111.6
36°	617.5	747.6	899.4	1032.1	1101.0	1095.6
36.5°	608.2	736.2	888.8	1023.8	1087.6	1074.9
37°	598.9	724.9	877.5	1015.3	1074.7	1058.2
37.5°	589.4	713.0	865.8	1006.5	1056.6	1037.8
38°	579.8	700.9	853.4	997.5	1041.4	1016.6
38.5°	569.5	688.7	840.5	987.9	1024.1	997.5
39°	559.7	676.4	827.6	978.9	1004.2	974.8
39.5°	549.9	664.0	813.9	969.6	988.7	955.2
40°	539.8	651.3	799.5	959.8	968.3	933.7
40.5°	529.7	638.4	785.0	949.5	948.7	910.0
41°	519.4	625.2	770.3	939.9	930.6	890.6
41.5°	509.3	612.8	755.6	930.1	909.2	867.1
42°	499.3	599.7	740.4	919.8	890.1	846.0
42.5°	488.9	586.3	725.1	909.2	869.7	824.8
43°	478.9	573.1	709.4	897.8	848.0	800.8
43.5°	468.5	559.9	693.6	885.5	829.7	782.2



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	438.1	519.9	645.4	838.7	768.3	717.9
45.5°	427.8	506.7	629.4	819.1	745.8	695.2
46°	417.4	493.6	612.8	801.0	728.0	677.9
46.5°	407.4	480.4	596.6	782.2	707.1	655.7
47°	397.6	467.5	580.3	760.8	688.0	637.4
47.5°	387.7	454.1	563.8	741.7	668.9	618.5
48°	377.7	441.2	547.5	720.8	647.4	597.4
48.5°	367.9	428.5	531.5	699.3	631.4	582.1
49°	358.3	415.6	515.3	680.0	610.8	560.7
49.5°	349.0	403.2	499.0	658.0	594.3	546.2
50°	339.2	390.8	483.0	637.6	576.7	527.9
50.5°	329.4	378.4	467.0	617.8	557.1	511.1
51°	320.4	366.6	451.2	596.8	542.1	496.4
51.5°	311.3	354.7	436.0	578.0	522.5	477.6
52°	302.3	343.6	421.0	557.6	508.8	465.7
52.5°	293.0	332.5	406.1	538.2	492.0	448.1
53°	284.5	321.4	391.1	520.2	476.0	436.0
53.5°	276.0	310.8	377.4	500.6	461.6	421.8
54°	267.4	300.7	363.5	483.3	444.3	407.6
54.5°	259.4	291.2	350.3	464.9	432.1	396.0
55°	251.2	281.4	337.4	448.1	415.4	381.5
55.5°	243.4	272.1	325.3	431.6	403.7	371.7
56°	235.9	263.1	313.4	414.6	388.8	357.3
56.5°	228.5	254.8	302.0	399.9	376.6	348.2
57°	221.8	246.3	290.9	384.1	364.0	336.1
57.5°	214.8	238.0	280.6	369.9	350.8	326.6
58°	208.1	230.3	270.5	355.0	340.0	316.2
58.5°	201.4	222.8	260.7	341.8	327.1	305.9
59°	194.4	215.6	251.7	328.6	317.5	296.9
59.5°	188.2	208.3	242.9	315.7	305.4	286.5
60°	182.3	201.6	234.4	303.6	296.6	277.5
60.5°	176.6	194.9	226.1	291.5	285.0	268.2
61°	170.9	188.4	218.1	280.6	276.7	259.4
61.5°	165.5	182.5	210.7	269.3	266.2	251.2
62°	160.1	176.6	203.4	259.4	258.1	243.2
62.5°	154.9	170.6	196.5	249.4	248.3	234.9
63°	150.0	165.0	189.7	239.8	240.6	227.7
63.5°	145.1	159.5	183.0	230.5	231.8	219.9
64°	140.4	154.4	176.6	222.0	224.3	213.2
64.5°	136.0	149.2	170.6	213.2	215.8	205.7
65°	131.7	144.3	164.7	205.2	209.1	199.5
65.5°	127.3	139.4	159.0	197.5	201.1	192.8
66°	123.1	134.8	153.3	190.0	194.9	186.6



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL5125CSD-HCD6TSQH-HCD6TSQLWW-2500lm-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	111.3	121.3	137.9	169.3	174.5	168.1
68°	107.6	116.9	132.7	162.9	168.6	162.4
68.5°	104.0	112.8	128.0	156.7	162.4	156.7
69°	100.4	108.9	123.4	150.8	156.4	151.0
69.5°	97.1	105.1	118.7	144.8	150.8	145.6
70°	93.7	101.2	114.4	139.1	144.8	140.4
70.5°	90.4	97.3	110.0	133.7	139.4	135.0
71°	87.3	93.5	105.8	128.3	134.0	129.8
71.5°	84.2	90.1	101.7	123.1	128.8	124.9
72°	81.1	86.7	97.6	118.0	123.7	120.0
72.5°	78.0	83.4	93.7	113.3	118.5	115.1
73°	75.1	80.3	90.1	108.4	113.8	110.2
73.5°	72.3	76.9	86.5	103.5	108.7	105.6
74°	69.7	73.6	82.9	99.1	104.0	100.9
74.5°	66.9	70.5	79.3	94.5	99.4	96.3
75°	64.5	67.4	75.6	90.4	94.7	92.7
75.5°	62.2	64.3	72.3	86.2	90.6	88.3
76°	59.9	61.2	68.7	82.1	86.2	83.9
76.5°	57.3	58.3	65.6	78.0	82.1	79.3
77°	55.0	55.5	62.2	73.8	77.7	74.9
77.5°	52.4	52.7	59.1	70.0	73.6	71.0
78°	49.8	49.8	56.0	66.1	69.4	66.9
78.5°	47.5	47.2	52.7	62.2	65.6	62.7
79°	44.9	44.4	49.8	58.3	61.4	58.9
79.5°	42.3	41.8	46.7	54.7	57.6	55.0
80°	40.0	39.2	43.9	51.1	53.7	51.1
80.5°	37.4	36.7	41.0	47.8	50.1	47.5
81°	34.9	34.3	38.2	44.4	46.2	43.9
81.5°	32.5	31.8	35.4	41.0	42.6	40.3
82°	30.2	29.4	32.5	37.7	39.0	36.7
82.5°	27.9	27.1	29.9	34.6	35.6	33.3
83°	25.6	24.8	27.4	31.5	32.3	29.9
83.5°	23.2	22.5	24.8	28.7	28.7	26.3
84°	20.9	20.4	22.2	25.8	25.3	23.0
84.5°	18.6	18.1	19.9	23.0	22.2	19.6
85°	16.3	16.0	17.3	20.4	19.4	16.5
85.5°	13.9	13.9	15.0	17.8	16.5	13.2
86°	11.6	11.9	12.6	15.5	13.9	10.8
86.5°	9.6	9.8	10.3	12.9	11.6	9.0
87°	7.5	7.7	8.3	10.6	9.6	7.5
87.5°	5.4	5.9	6.2	8.5	7.5	5.7
88°	3.4	3.9	4.1	6.5	5.4	4.1
88.5°	1.5	2.1	1.8	4.4	3.6	2.3



TEST NUMBER: P776114

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQH-HCD6TSQLWW-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°	1272.4	1257.2	1201.9	1110.8	986.1	864.3	762.3	705.8	688.0	705.3	760.0
22°	1270.9	1255.6	1199.9	1107.7	981.2	857.8	754.1	697.3	679.4	696.7	752.0



44°	759.0	809.8	884.4	709.7	562.2	469.3	397.6	351.6	336.1	353.1	399.4
44.5°	738.8	790.7	866.6	693.1	548.8	459.0	389.5	344.1	328.6	345.9	391.4



66.5°	180.2	184.3	178.6	149.0	128.8	119.0	115.4	119.3	116.7	120.0	117.7
67°	174.3	177.3	171.7	143.5	124.2	114.9	112.3	115.9	113.3	116.7	114.6



89°	0.8	0.5	0.5	0.5	0.3	0.3	0.0	0.3	0.0	0.3	0.3
89.5°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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21.5°	851.6	970.4	1089.9	1186.5	1247.6	1272.4
22°	844.7	965.2	1086.6	1184.1	1245.8	1270.9



44°	458.2	546.8	677.4	870.5	807.5	759.0
44.5°	448.4	533.6	661.4	854.0	788.1	738.8



66.5°	119.0	130.1	148.2	183.0	187.4	180.2
67°	115.1	125.7	142.8	175.8	181.5	174.3

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89°	0.3	0.5	0.5	2.3	1.5	0.8
89.5°	0.0	0.0	0.0	0.5	0.3	0.0

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Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)