

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: P776089

Luminaire Tested: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776089
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: HCDJBS1525CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K
Description: 6 INCH ROUND MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

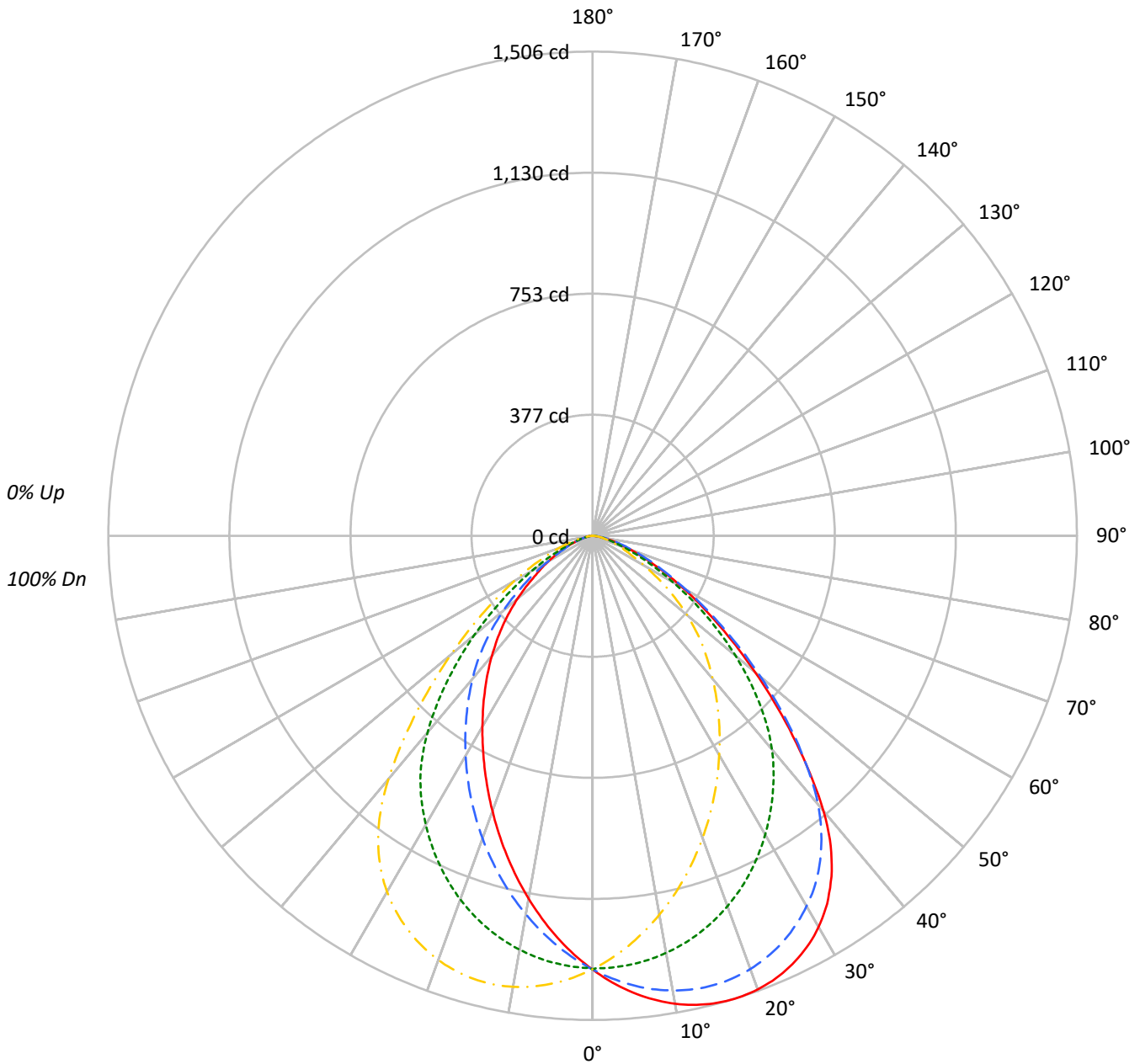
Lumens per Lamp: N/A
Luminaire Lumens: 2651.0 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.23
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P776089
CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

Luminous Intensity Polar Plot





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CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

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																			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68																			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60																			
5	82	70	63	57	80	69	62	56	67	61	56	66	60	55	64	59	55	53																			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42																			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38																			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	73920	73920	73920	73920
5°	78461	73707	69062	73420
10°	82274	73334	63799	72761
15°	85347	72617	58423	71709
20°	87589	71540	53146	70204
25°	88916	69978	48081	68181
30°	88950	67928	43386	65668
35°	86632	65370	39030	62506
40°	79914	62088	34851	57143
45°	68247	56742	30608	49540
50°	56237	49499	26063	40852
55°	45112	40792	21113	31913
60°	35458	31609	17433	23934
65°	26942	23167	13620	17109
70°	19891	16253	10130	11781
75°	14106	11311	7540	7752
80°	8871	8050	5367	4893
85°	2893	6353	2768	2453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 70170 cd/sqm



TEST NUMBER: P776089

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	4.8
10°-20°	357.6	13.5
20°-30°	522.7	19.7
30°-40°	587.4	22.2
40°-50°	506.7	19.1
50°-60°	325.4	12.3
60°-70°	157.8	6.0
70°-80°	56.5	2.1
80°-90°	9.8	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°	1007.3	38.0
0°-40°	1594.8	60.2
0°-60°	2426.9	91.5
0°-90°	2651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2651.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1348	1348	1348	1348	1348	
5°	1426	1339	1255	1334	1426	138
15°	1504	1280	1029	1264	1504	425
25°	1470	1157	795	1127	1470	677
35°	1294	977	583	934	1294	803
45°	880	732	395	639	880	679
55°	472	427	221	334	472	426
65°	208	179	105	132	208	210
75°	67	53	36	37	67	73
85°	5	10	4	4	5	9
90°	0	0	0	0	0	



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL1525CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4
0.5°	1358.5	1357.4	1355.4	1352.3	1345.1	1343.3	1342.2	1341.7	1341.2	1341.4	1343.0
1°	1366.5	1365.2	1361.3	1355.4	1345.1	1340.2	1336.0	1333.7	1332.2	1332.9	1336.3
1.5°	1374.7	1372.9	1367.0	1358.5	1345.1	1336.3	1329.6	1325.2	1323.1	1324.4	1329.8
2°	1382.7	1380.4	1372.7	1361.6	1344.8	1332.7	1323.1	1316.7	1314.1	1316.2	1322.9
2.5°	1390.5	1387.4	1378.4	1364.2	1344.3	1328.8	1316.2	1307.9	1304.5	1307.1	1315.9
3°	1398.0	1394.4	1383.3	1366.7	1343.5	1324.9	1309.4	1299.1	1294.7	1298.1	1308.7
3.5°	1405.2	1401.1	1388.7	1369.3	1342.7	1320.8	1302.2	1289.8	1285.2	1289.1	1301.7
4°	1412.2	1408.0	1393.3	1371.4	1341.7	1316.4	1295.0	1280.5	1275.1	1279.8	1294.2
4.5°	1419.1	1414.0	1398.2	1373.4	1340.7	1311.8	1287.5	1271.3	1265.1	1270.5	1286.7
5°	1425.8	1420.4	1402.6	1375.3	1339.4	1307.4	1280.0	1261.7	1255.0	1260.7	1279.0
5.5°	1432.0	1426.1	1407.0	1377.1	1337.8	1302.2	1272.3	1252.2	1244.7	1251.1	1271.3
6°	1438.2	1431.8	1411.1	1378.6	1336.3	1297.3	1264.5	1242.1	1233.8	1241.3	1263.3
6.5°	1443.9	1437.2	1415.0	1379.9	1334.5	1292.4	1256.3	1232.3	1223.5	1231.3	1255.3
7°	1449.6	1442.4	1418.6	1381.2	1332.4	1287.0	1248.3	1222.2	1212.7	1221.4	1247.0
7.5°	1455.0	1447.3	1422.2	1382.0	1330.3	1281.6	1240.0	1211.9	1201.8	1211.4	1238.7
8°	1459.9	1452.2	1425.3	1382.7	1328.0	1276.2	1231.5	1201.8	1190.7	1200.8	1230.2
8.5°	1464.8	1456.8	1428.4	1383.5	1325.7	1270.5	1222.7	1191.0	1179.9	1190.5	1221.7
9°	1469.4	1460.9	1431.3	1383.8	1323.1	1264.5	1214.2	1180.7	1168.5	1180.2	1213.2
9.5°	1473.8	1465.1	1433.8	1384.3	1320.3	1258.6	1205.4	1170.1	1157.2	1169.3	1204.2
10°	1478.0	1468.9	1436.2	1384.3	1317.4	1252.4	1196.7	1159.5	1146.1	1158.7	1195.6
10.5°	1481.8	1472.5	1438.5	1384.0	1314.3	1246.2	1187.6	1148.7	1135.0	1148.2	1186.6
11°	1485.4	1475.6	1440.5	1383.8	1311.3	1239.8	1178.3	1137.6	1123.1	1137.3	1177.6
11.5°	1488.5	1478.7	1442.1	1383.3	1307.6	1233.1	1169.1	1126.7	1111.5	1126.5	1168.3
12°	1491.6	1481.3	1443.6	1382.5	1304.3	1226.6	1159.8	1115.6	1100.2	1115.6	1159.2
12.5°	1494.5	1483.9	1444.9	1381.7	1300.4	1219.6	1150.5	1104.5	1088.5	1104.3	1150.0
13°	1496.8	1486.0	1446.0	1380.7	1296.8	1212.9	1140.9	1093.4	1076.7	1093.4	1140.4
13.5°	1499.1	1488.0	1446.7	1379.1	1292.7	1206.0	1131.4	1082.3	1065.1	1082.3	1131.1
14°	1500.9	1489.6	1447.3	1377.8	1288.5	1198.7	1121.6	1070.7	1053.2	1071.2	1121.6
14.5°	1502.5	1491.1	1447.3	1376.0	1284.2	1191.5	1111.8	1059.4	1041.6	1059.6	1111.8
15°	1503.8	1492.2	1447.5	1374.0	1279.5	1184.0	1102.0	1048.0	1029.4	1048.5	1102.0
15.5°	1504.8	1492.9	1447.3	1371.9	1275.1	1176.5	1091.9	1036.9	1017.8	1037.4	1092.2
16°	1505.6	1493.7	1446.7	1369.8	1270.2	1169.1	1082.1	1025.3	1006.0	1026.1	1082.3
16.5°	1506.1	1493.7	1446.2	1367.3	1265.3	1161.1	1071.8	1013.7	994.1	1014.7	1072.5
17°	1506.4	1493.7	1445.2	1364.4	1260.2	1153.3	1062.0	1002.3	982.2	1003.4	1062.5
17.5°	1506.1	1493.7	1443.9	1361.3	1255.0	1145.3	1051.6	990.7	970.1	991.8	1052.4
18°	1505.8	1493.2	1442.6	1358.5	1249.6	1137.3	1041.3	979.1	958.5	980.7	1042.3
18.5°	1505.1	1492.4	1440.5	1354.9	1243.9	1129.1	1031.0	967.8	946.6	969.1	1032.0
19°	1504.3	1491.4	1438.7	1351.5	1238.0	1120.8	1020.7	956.1	934.7	957.4	1022.0
19.5°	1503.0	1490.1	1436.4	1347.6	1232.3	1112.5	1010.6	944.5	922.9	946.3	1011.9
20°	1501.4	1488.5	1434.1	1343.5	1226.3	1104.0	1000.3	933.2	911.0	935.0	1001.6
20.5°	1499.6	1486.5	1431.3	1339.4	1219.9	1095.5	989.4	921.8	899.6	923.4	991.2
21°	1497.6	1484.4	1428.4	1335.0	1213.4	1086.7	978.9	910.2	887.5	912.0	980.7



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1489.6	1476.4	1418.1	1320.3	1193.6	1060.2	947.6	876.1	852.7	878.0	949.4
23°	1486.2	1473.1	1414.0	1315.1	1186.6	1051.1	936.8	864.5	840.8	866.6	938.9
23.5°	1482.9	1469.4	1409.8	1309.7	1179.4	1042.1	926.2	853.4	829.4	855.2	928.3
24°	1478.7	1465.6	1405.2	1303.8	1172.2	1032.8	915.6	841.8	817.8	843.9	918.0
24.5°	1474.6	1461.4	1400.5	1298.1	1164.7	1023.8	904.8	830.7	806.2	832.5	907.4
25°	1470.0	1457.1	1395.4	1291.9	1156.9	1014.5	894.0	819.1	794.9	821.4	896.8
25.5°	1465.1	1452.2	1390.2	1285.7	1149.4	1004.9	883.6	808.3	783.8	810.3	886.2
26°	1460.2	1447.3	1384.8	1279.0	1141.4	995.4	873.0	796.9	772.7	799.2	875.4
26.5°	1454.5	1441.8	1378.9	1272.5	1133.4	985.8	862.2	785.8	761.3	787.9	864.8
27°	1448.8	1436.2	1372.7	1265.3	1125.4	976.3	851.4	774.7	750.2	777.0	854.2
27.5°	1442.6	1430.2	1366.5	1258.3	1116.9	966.5	840.8	764.1	739.1	766.0	843.6
28°	1436.2	1423.8	1359.8	1250.9	1108.4	956.7	830.2	753.0	728.3	755.1	833.0
28.5°	1429.2	1417.3	1352.8	1243.4	1099.9	946.9	819.6	742.2	717.4	744.3	822.5
29°	1421.7	1410.4	1345.6	1235.4	1091.1	937.1	808.8	731.1	706.9	733.4	811.6
29.5°	1413.7	1402.9	1338.3	1227.6	1082.3	927.0	798.2	720.8	696.0	722.3	801.0
30°	1405.2	1395.1	1330.6	1219.6	1073.1	917.2	787.4	709.9	685.4	711.8	790.2
30.5°	1396.4	1386.9	1322.6	1210.9	1064.0	907.1	777.0	699.4	674.9	700.9	779.6
31°	1387.4	1378.1	1314.3	1202.3	1055.0	896.8	766.5	689.0	664.5	690.3	769.0
31.5°	1377.6	1368.8	1305.8	1193.6	1045.2	886.7	755.9	678.5	653.9	679.8	758.2
32°	1367.8	1359.0	1296.8	1184.5	1035.9	876.7	745.3	668.1	643.9	669.2	747.9
32.5°	1356.9	1348.7	1287.3	1175.2	1026.3	866.3	734.7	657.8	633.6	658.9	737.3
33°	1345.1	1338.1	1277.4	1166.0	1016.5	855.8	724.1	647.8	623.5	648.5	726.2
33.5°	1332.7	1327.0	1267.1	1156.4	1007.0	845.4	713.8	637.7	613.4	637.9	715.6
34°	1320.8	1315.6	1256.3	1146.3	996.9	835.1	703.2	627.4	603.4	628.1	705.3
34.5°	1307.6	1303.3	1244.9	1136.0	986.9	824.8	692.9	617.3	593.0	617.8	694.7
35°	1294.5	1290.6	1233.3	1125.7	976.8	814.5	682.6	607.2	583.2	607.5	684.1
35.5°	1280.3	1277.7	1221.2	1114.9	966.7	803.9	672.3	597.4	573.4	597.7	673.6
36°	1265.1	1263.8	1208.8	1103.8	956.4	793.6	662.2	587.6	563.9	587.6	663.2
36.5°	1249.6	1249.6	1195.9	1091.9	945.6	783.0	651.9	577.6	553.8	577.6	652.7
37°	1233.1	1234.6	1182.5	1080.0	935.2	772.7	641.6	567.8	544.3	567.5	642.3
37.5°	1216.0	1218.9	1168.5	1067.4	924.4	761.8	631.5	558.2	534.5	557.7	631.8
38°	1198.2	1202.9	1154.1	1054.7	913.3	751.2	621.2	548.4	524.9	547.9	621.4
38.5°	1179.1	1186.1	1139.1	1041.6	902.2	740.9	611.1	538.8	515.6	538.1	611.1
39°	1159.8	1168.5	1123.6	1027.9	891.1	730.1	601.3	529.0	506.1	528.3	601.0
39.5°	1138.9	1149.4	1107.6	1013.7	879.5	719.8	591.2	519.8	496.5	518.5	591.0
40°	1116.7	1129.6	1090.6	999.0	867.6	708.9	580.9	510.2	487.0	508.9	580.7
40.5°	1093.7	1109.2	1072.5	984.0	855.2	698.3	571.1	500.7	477.7	499.4	570.6
41°	1070.5	1088.0	1054.0	968.3	842.9	688.0	561.0	491.1	468.4	489.6	560.8
41.5°	1047.0	1065.3	1034.9	952.3	830.0	677.4	551.2	481.6	458.8	480.3	550.5
42°	1022.5	1042.9	1015.5	935.8	817.0	666.9	541.2	472.3	449.8	470.7	540.1
42.5°	998.7	1020.1	995.6	919.2	803.4	656.0	531.6	463.0	440.5	461.4	529.6
43°	975.0	997.2	975.2	902.2	789.2	644.9	521.8	453.7	431.2	452.1	518.7
43.5°	951.0	974.2	954.3	884.9	775.2	633.6	512.3	444.4	422.2	442.8	507.9



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	880.3	905.1	892.7	832.0	731.9	598.2	483.6	416.8	394.8	415.2	474.8
45.5°	857.8	882.3	871.2	814.0	716.7	585.8	474.1	407.8	385.8	406.2	463.5
46°	834.9	859.4	850.1	796.1	701.9	573.7	464.3	398.5	376.8	396.9	452.1
46.5°	811.1	836.1	828.9	777.6	686.7	561.3	454.5	389.4	367.5	387.6	441.3
47°	789.2	813.4	807.8	759.2	671.5	548.9	444.1	380.4	358.7	378.1	429.9
47.5°	766.0	791.0	786.1	740.4	656.3	536.3	434.1	371.4	349.7	368.8	418.3
48°	744.3	768.8	764.9	722.1	641.3	523.9	424.0	362.6	340.9	359.2	407.0
48.5°	723.1	747.1	743.8	703.2	625.8	511.5	413.7	353.3	331.9	349.7	395.9
49°	701.2	725.4	722.6	684.9	610.6	498.8	403.4	344.3	322.8	340.1	384.5
49.5°	680.5	703.8	702.2	666.1	595.1	486.2	393.0	335.5	314.1	330.6	373.2
50°	659.4	682.3	680.8	647.2	580.4	473.6	383.0	326.7	305.6	321.3	361.8
50.5°	638.2	661.4	660.7	628.4	564.7	460.7	372.4	317.4	296.8	311.5	351.0
51°	618.9	640.8	640.5	610.3	548.9	447.8	361.8	308.1	287.7	301.7	339.6
51.5°	599.0	620.7	620.7	592.0	533.7	435.6	351.5	299.4	279.2	292.4	329.0
52°	579.1	600.8	601.0	573.9	518.5	423.0	341.2	290.6	270.7	282.8	317.9
52.5°	561.0	581.2	581.7	555.4	502.7	410.3	330.6	281.3	261.9	273.6	307.1
53°	541.7	562.3	562.6	537.8	487.2	397.7	320.5	272.3	253.4	264.0	296.3
53.5°	523.9	543.5	544.0	520.3	472.0	385.3	310.2	263.5	244.7	254.7	285.7
54°	505.6	524.9	525.7	503.0	457.0	372.9	299.6	254.5	236.4	245.4	275.1
54.5°	488.0	507.1	508.1	485.7	441.8	360.8	289.6	245.4	227.9	236.4	264.8
55°	472.0	489.6	490.1	468.7	426.8	348.9	279.5	236.9	220.9	227.9	254.5
55.5°	455.0	472.5	473.0	452.1	411.9	336.5	269.4	228.1	214.2	219.1	244.7
56°	439.5	455.8	456.3	435.9	397.2	324.4	259.4	220.1	207.2	210.6	234.6
56.5°	423.2	439.5	439.8	419.6	383.0	312.8	249.6	212.1	200.3	202.1	225.3
57°	408.3	423.5	423.8	403.9	368.8	300.9	240.0	204.1	195.4	193.6	216.0
57.5°	393.6	408.0	407.8	388.7	354.8	289.0	230.5	196.1	189.4	185.3	206.5
58°	378.8	393.0	392.5	373.7	340.7	277.9	221.4	191.5	183.2	177.6	197.2
58.5°	364.9	378.3	377.8	359.2	327.2	266.6	212.1	186.1	177.0	170.8	187.9
59°	350.7	363.9	363.4	344.8	314.1	255.5	203.1	180.1	170.8	165.7	179.1
59.5°	337.3	350.5	349.4	330.8	300.9	244.7	194.1	173.9	164.9	160.3	170.6
60°	323.4	336.8	335.5	317.4	288.3	234.1	185.0	168.0	159.0	154.8	162.3
60.5°	310.2	323.4	322.1	304.0	275.6	223.7	176.5	161.8	153.0	149.2	154.6
61°	297.8	310.2	309.2	291.4	263.7	213.7	168.3	155.9	147.4	143.5	147.1
61.5°	285.4	297.8	296.5	278.7	252.1	203.4	160.8	149.9	141.9	138.1	139.6
62°	273.3	285.4	284.7	266.6	240.8	193.3	153.3	144.3	136.5	132.6	132.9
62.5°	261.4	273.6	272.8	255.0	230.2	184.3	146.1	138.8	131.1	127.5	126.2
63°	250.3	261.9	261.2	243.6	219.6	175.0	139.1	133.4	125.7	122.3	119.7
63.5°	239.2	250.8	250.1	232.5	209.0	166.2	133.4	128.3	120.5	117.4	113.8
64°	228.1	239.7	239.2	221.4	198.5	157.7	128.5	123.1	115.4	112.5	108.1
64.5°	217.6	229.7	228.9	211.1	188.1	149.4	123.6	118.2	110.2	107.6	102.7
65°	207.7	219.4	218.6	201.0	178.6	141.7	118.7	113.3	105.0	102.7	97.8
65.5°	198.2	209.6	208.8	191.5	169.6	133.9	114.1	108.6	100.4	98.1	93.2
66°	188.4	199.7	199.2	182.2	160.5	126.5	109.2	103.7	95.7	93.4	89.0



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	162.3	173.2	172.6	156.1	136.0	106.8	96.0	90.6	82.3	80.3	77.9
68°	154.1	164.9	164.4	147.9	128.5	100.9	91.9	86.5	78.2	76.1	74.6
68.5°	146.3	156.9	156.1	140.1	121.0	95.2	87.7	82.3	74.3	72.3	71.2
69°	138.6	149.4	148.4	132.6	114.3	90.1	83.9	78.5	70.5	68.4	67.9
69.5°	131.1	141.9	141.2	125.4	107.6	84.9	80.3	74.6	66.8	64.8	64.8
70°	124.1	134.5	133.7	118.5	101.4	80.3	76.6	71.0	63.2	61.2	61.4
70.5°	117.4	127.7	127.0	112.0	95.2	75.9	73.3	67.6	60.1	57.8	58.3
71°	110.7	121.0	120.3	105.6	89.8	71.7	69.9	64.3	56.8	54.7	55.5
71.5°	104.3	114.8	113.8	99.6	84.4	67.6	66.6	60.9	53.7	51.6	52.6
72°	98.3	108.4	107.6	93.9	79.2	64.0	63.2	57.8	50.8	48.8	49.5
72.5°	91.9	102.5	101.7	89.0	74.3	60.4	60.4	55.0	48.0	46.2	47.0
73°	86.7	96.5	95.7	83.9	69.7	57.0	57.3	52.1	45.4	43.4	44.4
73.5°	81.6	92.4	90.8	79.0	65.3	53.9	54.5	49.3	42.8	41.0	41.8
74°	76.4	87.0	85.7	73.8	61.2	51.1	51.6	46.7	40.3	38.5	39.2
74.5°	71.2	81.8	80.8	68.6	57.3	48.3	49.0	44.1	37.9	36.1	36.9
75°	66.6	76.6	75.6	64.3	53.4	45.7	46.2	41.5	35.6	34.1	34.6
75.5°	61.7	71.5	70.7	60.1	49.8	43.4	43.9	39.2	33.5	31.7	32.5
76°	57.3	66.8	66.1	56.0	46.5	41.0	41.5	36.9	31.2	29.7	30.5
76.5°	53.2	62.5	61.7	52.1	43.4	38.7	39.2	34.8	29.2	27.6	28.4
77°	49.0	58.3	57.5	48.5	40.3	36.6	36.9	32.5	27.4	25.8	26.6
77.5°	45.2	54.5	53.4	45.2	37.4	34.6	34.8	30.5	25.5	24.0	24.8
78°	41.5	50.6	49.5	41.8	34.6	32.5	32.8	28.4	23.7	22.2	23.0
78.5°	37.9	47.0	45.9	38.5	32.0	30.7	30.7	26.3	21.9	20.6	21.4
79°	34.6	43.6	42.3	35.6	29.7	28.9	28.6	24.5	20.4	19.1	19.9
79.5°	31.2	40.3	39.0	32.8	27.4	27.1	26.8	22.7	18.8	17.3	18.3
80°	28.1	37.2	35.9	29.9	25.5	25.3	25.0	21.2	17.0	15.7	16.5
80.5°	25.3	34.1	33.0	27.6	23.5	23.7	23.2	19.4	15.5	14.2	15.0
81°	22.5	31.2	30.2	25.3	21.9	22.2	21.7	17.5	14.2	12.9	13.7
81.5°	19.6	28.4	27.4	23.0	20.1	20.6	19.9	15.7	12.6	11.6	12.4
82°	17.0	25.8	24.8	20.9	18.6	18.8	18.3	14.2	11.4	10.3	11.1
82.5°	14.7	23.2	22.5	19.1	16.8	17.3	16.5	12.9	10.1	9.0	9.8
83°	12.4	20.9	20.1	17.3	15.2	15.7	15.0	11.4	8.8	7.7	8.8
83.5°	10.1	18.6	18.1	15.5	13.9	14.5	13.4	10.1	7.7	6.7	7.7
84°	8.3	16.3	16.0	13.7	12.4	13.2	12.1	8.8	6.7	5.4	6.7
84.5°	6.5	14.2	14.2	12.1	11.4	11.9	10.8	7.5	5.4	4.6	5.7
85°	4.6	12.1	12.4	10.8	10.1	10.6	9.5	6.5	4.4	3.6	4.9
85.5°	2.8	10.1	10.6	9.3	8.8	9.3	8.3	5.4	3.6	3.1	3.9
86°	2.1	8.8	9.3	8.3	7.7	8.3	7.2	4.6	2.8	2.6	3.1
86.5°	1.5	7.2	8.0	7.0	6.7	7.0	6.2	3.9	2.3	2.1	2.3
87°	1.3	5.7	6.5	5.7	5.7	5.9	5.2	3.1	1.8	1.5	1.5
87.5°	0.8	4.4	5.2	4.6	4.6	4.9	4.1	2.6	1.3	1.0	0.8
88°	0.5	3.1	3.9	3.6	3.9	3.9	3.4	1.8	0.8	0.5	0.3
88.5°	0.3	1.8	2.6	2.6	3.1	2.8	2.3	1.3	0.5	0.3	0.0



TEST NUMBER: P776089

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



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1348.4	1348.4	1348.4	1348.4	1348.4	1348.4
0.5°	1345.3	1344.5	1349.4	1353.8	1357.4	1358.5
1°	1341.7	1344.3	1352.3	1359.8	1365.2	1366.5
1.5°	1337.8	1343.5	1354.9	1364.9	1372.4	1374.7
2°	1333.7	1342.7	1357.4	1370.3	1379.6	1382.7
2.5°	1329.6	1341.7	1359.5	1375.5	1386.4	1390.5
3°	1325.4	1340.7	1361.6	1380.2	1393.3	1398.0
3.5°	1320.8	1339.4	1363.6	1384.8	1399.5	1405.2
4°	1316.2	1337.8	1365.2	1389.2	1406.0	1412.2
4.5°	1311.3	1336.0	1366.7	1393.3	1411.9	1419.1
5°	1306.3	1334.2	1368.0	1397.4	1417.8	1425.8
5.5°	1301.4	1332.4	1369.3	1401.1	1423.5	1432.0
6°	1296.0	1330.3	1370.3	1404.7	1428.7	1438.2
6.5°	1290.9	1328.0	1370.9	1408.0	1433.8	1443.9
7°	1285.4	1325.4	1371.4	1411.1	1438.5	1449.6
7.5°	1279.8	1322.9	1371.9	1414.0	1443.1	1455.0
8°	1274.1	1320.0	1371.9	1416.5	1447.5	1459.9
8.5°	1268.2	1316.9	1371.9	1418.9	1451.6	1464.8
9°	1262.2	1314.1	1371.6	1420.9	1455.5	1469.4
9.5°	1256.0	1310.5	1371.1	1423.0	1459.1	1473.8
10°	1249.8	1307.1	1370.3	1424.5	1462.5	1478.0
10.5°	1243.6	1303.8	1369.6	1425.8	1465.6	1481.8
11°	1236.9	1299.9	1368.3	1427.1	1468.4	1485.4
11.5°	1230.5	1295.8	1367.0	1427.9	1470.7	1488.5
12°	1223.5	1291.6	1365.4	1428.7	1473.1	1491.6
12.5°	1216.5	1287.3	1363.6	1428.9	1475.1	1494.5
13°	1209.6	1282.9	1361.8	1429.2	1476.7	1496.8
13.5°	1202.6	1278.5	1359.5	1428.9	1478.0	1499.1
14°	1195.4	1273.6	1357.2	1428.7	1479.3	1500.9
14.5°	1187.9	1268.7	1354.6	1427.9	1480.0	1502.5
15°	1180.4	1263.5	1351.5	1427.1	1480.5	1503.8
15.5°	1172.9	1258.1	1348.4	1425.8	1480.8	1504.8
16°	1165.2	1252.9	1345.3	1424.5	1480.8	1505.6
16.5°	1157.4	1247.3	1342.0	1422.7	1480.5	1506.1
17°	1149.4	1241.6	1338.1	1420.9	1480.0	1506.4
17.5°	1141.4	1235.6	1334.2	1418.6	1479.3	1506.1
18°	1133.2	1229.4	1330.1	1416.3	1478.2	1505.8
18.5°	1124.9	1223.3	1325.7	1413.4	1476.7	1505.1
19°	1116.7	1216.8	1321.1	1410.6	1475.1	1504.3
19.5°	1108.2	1210.3	1316.4	1407.3	1473.1	1503.0
20°	1099.6	1203.4	1311.3	1403.9	1471.0	1501.4
20.5°	1091.1	1196.7	1306.1	1400.0	1468.4	1499.6
21°	1082.1	1189.7	1300.7	1396.2	1465.6	1497.6

TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1055.5	1167.2	1283.1	1382.7	1455.5	1489.6
23°	1046.2	1159.8	1276.7	1377.6	1451.6	1486.2
23.5°	1037.4	1152.0	1270.2	1372.4	1447.5	1482.9
24°	1027.9	1144.0	1263.5	1367.0	1442.9	1478.7
24.5°	1018.3	1136.0	1256.5	1361.1	1438.0	1474.6
25°	1009.1	1127.2	1249.3	1354.9	1432.8	1470.0
25.5°	999.8	1119.0	1242.1	1348.4	1427.1	1465.1
26°	990.2	1110.5	1234.6	1342.0	1421.7	1460.2
26.5°	980.1	1102.2	1227.1	1335.0	1415.5	1454.5
27°	970.6	1092.9	1219.1	1327.8	1409.3	1448.8
27.5°	960.8	1083.6	1210.9	1320.5	1402.6	1442.6
28°	951.0	1075.1	1202.3	1312.8	1395.4	1436.2
28.5°	940.9	1065.8	1193.8	1304.8	1387.9	1429.2
29°	930.9	1056.5	1185.1	1296.5	1380.2	1421.7
29.5°	921.1	1047.2	1175.8	1287.8	1371.6	1413.7
30°	910.7	1037.4	1167.0	1278.7	1362.9	1405.2
30.5°	900.4	1027.9	1157.2	1269.2	1353.3	1396.4
31°	890.3	1017.8	1147.9	1259.4	1343.5	1387.4
31.5°	880.0	1008.5	1137.8	1248.8	1332.9	1377.6
32°	869.7	997.7	1127.5	1238.0	1322.3	1367.8
32.5°	859.4	987.6	1116.7	1226.9	1311.3	1356.9
33°	848.8	977.1	1105.3	1215.0	1299.9	1345.1
33.5°	838.5	967.0	1094.2	1202.9	1287.8	1332.7
34°	827.9	956.1	1081.8	1189.7	1274.3	1320.8
34.5°	817.6	945.1	1069.2	1176.3	1260.4	1307.6
35°	806.7	934.0	1056.3	1162.6	1246.2	1294.5
35.5°	796.4	922.1	1042.9	1148.4	1231.8	1280.3
36°	785.8	909.7	1029.2	1133.4	1216.5	1265.1
36.5°	775.0	897.6	1015.0	1118.0	1200.5	1249.6
37°	764.1	884.7	999.8	1101.4	1183.5	1233.1
37.5°	753.0	870.7	984.5	1084.4	1165.7	1216.0
38°	742.2	857.0	967.8	1066.9	1146.9	1198.2
38.5°	731.1	843.1	951.5	1048.3	1127.5	1179.1
39°	719.8	828.7	933.7	1028.7	1107.1	1159.8
39.5°	707.9	813.4	916.7	1008.0	1085.4	1138.9
40°	695.8	798.5	898.1	986.9	1062.7	1116.7
40.5°	682.9	783.0	880.0	966.5	1040.0	1093.7
41°	670.2	767.5	861.7	944.8	1016.8	1070.5
41.5°	657.0	752.3	843.1	923.4	993.3	1047.0
42°	643.6	736.0	824.8	902.0	969.3	1022.5
42.5°	630.7	720.0	806.0	880.5	946.3	998.7
43°	617.3	704.0	786.6	858.6	923.4	975.0
43.5°	603.9	688.3	767.8	836.9	899.9	951.0

TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	563.4	639.0	710.2	772.7	831.5	880.3
45.5°	549.9	623.2	691.1	751.8	809.3	857.8
46°	536.3	606.7	672.0	730.3	786.9	834.9
46.5°	522.8	591.0	653.4	710.2	765.4	811.1
47°	508.9	574.7	634.9	689.8	743.5	789.2
47.5°	495.0	558.2	615.5	669.9	721.8	766.0
48°	481.6	542.2	597.2	650.1	700.7	744.3
48.5°	468.1	526.2	579.4	631.2	680.3	723.1
49°	454.2	511.0	561.8	611.9	659.6	701.2
49.5°	441.0	494.7	544.0	593.0	640.0	680.5
50°	427.6	479.0	526.2	574.7	619.6	659.4
50.5°	414.2	463.2	509.9	556.4	600.8	638.2
51°	401.0	448.0	492.9	538.8	581.7	618.9
51.5°	388.7	432.5	476.9	521.3	562.8	599.0
52°	375.0	418.1	461.2	504.5	544.8	579.1
52.5°	362.1	403.6	445.4	488.0	527.0	561.0
53°	349.4	388.7	429.9	471.5	509.4	541.7
53.5°	337.0	374.5	415.0	455.8	492.7	523.9
54°	324.4	361.0	400.5	439.8	475.6	505.6
54.5°	312.5	347.4	386.1	425.0	459.6	488.0
55°	300.4	333.9	372.1	409.8	443.9	472.0
55.5°	288.3	321.3	358.7	395.6	428.4	455.0
56°	276.7	308.7	345.0	381.4	413.4	439.5
56.5°	265.3	296.3	332.1	367.7	398.2	423.2
57°	254.2	284.4	319.2	354.1	384.0	408.3
57.5°	243.4	272.5	307.1	340.9	370.1	393.6
58°	232.8	261.2	295.0	328.5	356.7	378.8
58.5°	223.0	249.8	282.8	315.9	343.2	364.9
59°	212.9	239.2	272.0	303.7	330.3	350.7
59.5°	202.8	228.6	260.1	291.9	318.2	337.3
60°	193.0	218.3	249.8	280.5	305.8	323.4
60.5°	184.0	208.5	239.2	269.2	294.5	310.2
61°	175.2	198.7	228.9	258.1	282.3	297.8
61.5°	166.5	189.4	219.1	248.0	271.2	285.4
62°	157.9	180.4	209.6	237.7	260.4	273.3
62.5°	149.9	171.6	200.0	227.6	249.6	261.4
63°	142.2	162.8	191.0	217.8	239.0	250.3
63.5°	134.7	154.6	181.9	208.8	228.6	239.2
64°	127.5	146.8	173.4	199.5	218.6	228.1
64.5°	120.8	139.1	165.4	190.7	209.3	217.6
65°	114.3	131.9	157.4	181.9	199.7	207.7
65.5°	107.9	124.9	149.7	173.9	190.7	198.2
66°	101.9	117.9	141.9	165.9	181.7	188.4



TEST NUMBER: P776089

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	85.7	99.1	121.6	143.5	157.2	162.3
68°	80.8	93.7	114.8	136.3	149.7	154.1
68.5°	75.9	88.5	108.6	129.6	142.2	146.3
69°	71.7	83.6	102.7	122.8	135.2	138.6
69.5°	67.4	78.7	97.0	116.6	128.0	131.1
70°	63.5	73.5	91.9	110.5	121.6	124.1
70.5°	59.6	68.6	86.7	104.5	115.1	117.4
71°	56.3	64.5	81.8	98.8	109.2	110.7
71.5°	52.6	60.4	76.9	93.4	103.0	104.3
72°	49.5	56.3	71.7	88.5	97.3	98.3
72.5°	46.5	52.6	67.4	83.6	91.6	91.9
73°	43.6	49.0	63.0	78.7	86.7	86.7
73.5°	40.8	45.9	59.1	73.8	81.8	81.6
74°	38.2	42.6	55.2	68.9	76.6	76.4
74.5°	35.6	39.5	51.6	64.5	71.7	71.2
75°	33.3	36.6	47.7	60.4	67.4	66.6
75.5°	31.2	33.8	44.4	56.3	63.0	61.7
76°	29.2	31.2	41.0	52.4	58.6	57.3
76.5°	27.4	28.6	37.9	48.5	54.5	53.2
77°	25.5	26.6	35.1	44.9	50.8	49.0
77.5°	23.7	24.5	32.3	41.5	47.2	45.2
78°	22.2	22.5	29.7	38.5	43.6	41.5
78.5°	20.6	20.6	27.1	35.4	40.3	37.9
79°	19.4	18.8	24.8	32.3	36.9	34.6
79.5°	17.8	17.0	22.7	29.4	33.8	31.2
80°	16.3	15.5	20.4	26.8	31.0	28.1
80.5°	15.0	14.2	18.6	24.3	28.1	25.3
81°	13.7	12.6	16.5	21.9	25.3	22.5
81.5°	12.4	11.4	15.0	19.6	22.7	19.6
82°	11.1	10.1	13.2	17.3	20.4	17.0
82.5°	10.1	9.0	11.6	15.5	18.1	14.7
83°	8.8	8.0	10.1	13.4	16.0	12.4
83.5°	7.7	6.7	8.8	11.6	13.9	10.1
84°	6.7	5.7	7.5	10.1	12.1	8.3
84.5°	5.7	4.6	6.2	8.5	10.3	6.5
85°	4.6	3.9	4.9	7.2	9.0	4.6
85.5°	3.6	2.8	3.9	5.7	7.5	2.8
86°	2.8	2.1	2.8	4.1	5.9	2.1
86.5°	2.1	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: P776089

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-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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Peachtree City, GA 30269

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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Peachtree City, GA 30269

Scaled Data Report





21.5°	1495.3	1482.1	1425.3	1330.3	1207.0	1078.0	968.5	898.9	875.9	900.4	970.3
22°	1492.7	1479.3	1421.7	1325.4	1200.5	1069.2	958.0	887.2	864.0	889.3	959.8



44°	927.5	951.2	933.7	867.4	760.8	621.9	502.7	435.1	412.9	433.6	496.8
44.5°	904.3	928.0	913.6	849.8	746.3	610.3	493.2	425.8	403.6	424.3	485.9



66.5°	179.1	190.7	190.2	172.9	152.0	119.7	104.5	99.1	90.8	88.8	85.2
67°	170.6	181.9	180.9	164.4	144.0	113.0	100.1	95.0	86.5	84.6	81.6



89°	0.0	0.8	1.5	1.5	2.1	2.1	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°	1073.6	1182.0	1295.0	1391.8	1462.7	1495.3
22°	1064.3	1175.2	1289.1	1387.4	1459.1	1492.7



44°	590.2	672.0	748.7	815.2	876.7	927.5
44.5°	576.8	655.5	729.6	793.8	854.2	904.3



66.5°	96.0	111.5	135.0	158.2	173.4	179.1
67°	90.6	105.0	128.0	150.5	165.2	170.6

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Scaled Data Report



89°	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



(END OF REPORT)