

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: P775960

Luminaire Tested: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B054)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K
Description: 4 INCH ROUND NARROW LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2369.9 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.05 / 1.01 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

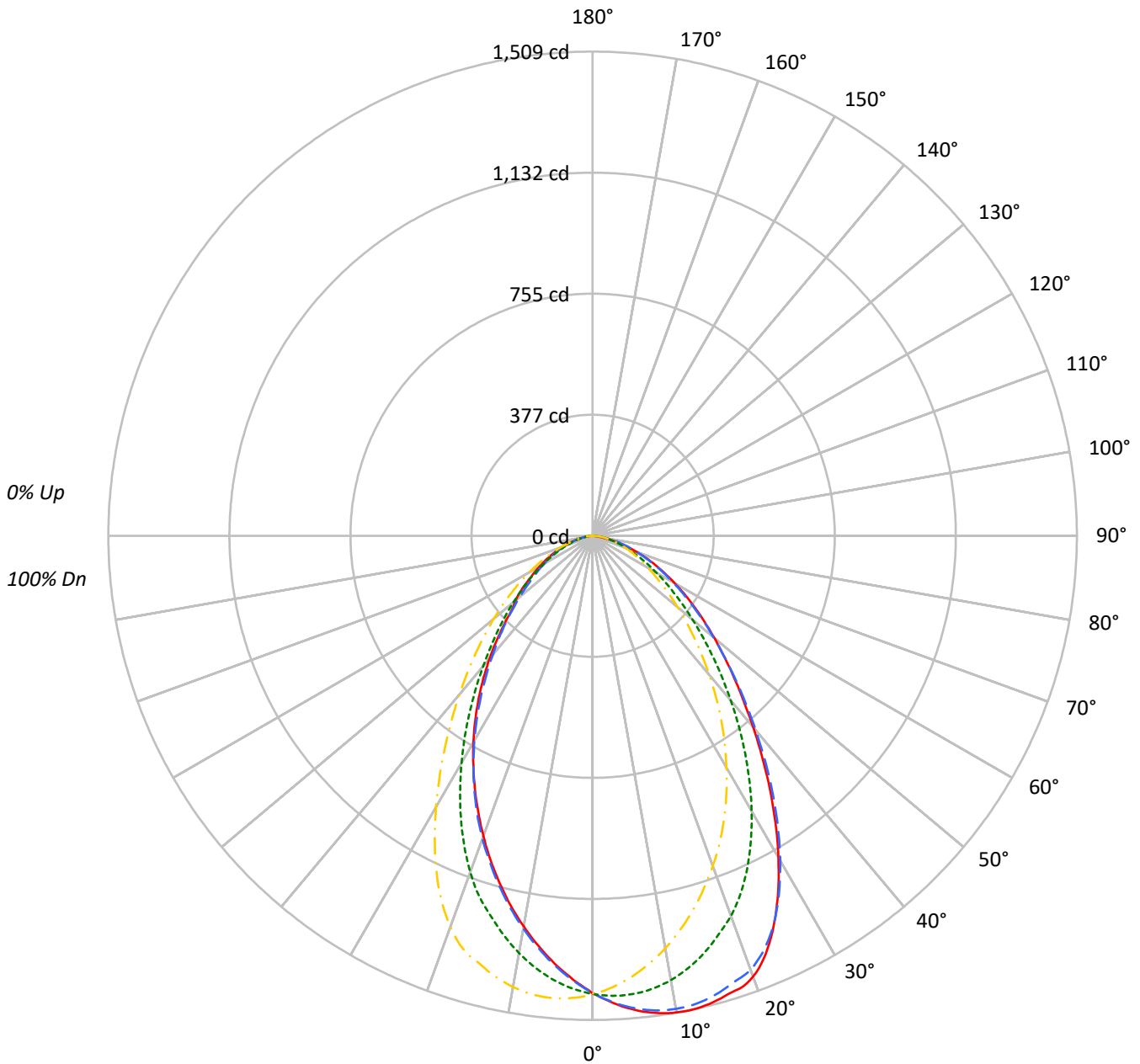
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	179588	179588	179588	179588
5°	187310	181133	169270	175536
10°	192786	179674	158014	168748
15°	195304	175265	145950	159865
20°	195814	168841	133297	149315
25°	185614	158384	120544	134847
30°	168250	143967	107957	118725
35°	147842	127347	95100	102382
40°	127748	110038	81995	87170
45°	110685	93777	69251	74181
50°	96817	79607	61164	63102
55°	85066	67689	54348	53405
60°	74428	57539	47898	44727
65°	64471	48896	42196	37223
70°	52655	41248	35655	30651
75°	39435	34961	28834	25431
80°	23699	30512	20510	20148
85°	9097	28302	7364	11841

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 113604 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	5.6
10°-20°	364.8	15.4
20°-30°	494.2	20.9
30°-40°	480.4	20.3
40°-50°	380.3	16.0
50°-60°	266.3	11.2
60°-70°	161.4	6.8
70°-80°	74.0	3.1
80°-90°	15.1	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	992.4	41.9
0°-40°	1472.8	62.1
0°-60°	2119.4	89.4
0°-90°	2369.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1427	1427	1427	1427	1427	
5°	1483	1434	1340	1390	1483	142
15°	1499	1345	1120	1227	1499	423
25°	1337	1141	868	971	1337	610
35°	962	829	619	666	962	601
45°	622	527	389	417	622	482
55°	388	308	248	243	388	348
65°	216	164	142	125	216	215
75°	81	72	59	52	81	88
85°	6	20	5	8	6	11
90°	0	2	0	0	0	



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0
0.5°	1431.4	1432.1	1431.6	1430.9	1430.2	1427.5	1425.6	1424.9	1416.9	1416.6	1418.1
1°	1438.2	1439.1	1438.4	1435.5	1431.9	1426.3	1421.7	1418.6	1409.1	1409.1	1411.1
1.5°	1444.7	1445.9	1444.0	1439.4	1433.3	1425.1	1417.6	1412.5	1401.1	1400.6	1403.5
2°	1451.0	1452.7	1449.6	1443.5	1434.3	1423.2	1413.2	1405.7	1393.1	1392.2	1395.6
2.5°	1457.1	1459.2	1455.1	1447.1	1435.3	1421.2	1408.4	1399.2	1384.7	1383.7	1387.6
3°	1462.9	1465.1	1460.5	1450.3	1435.5	1418.6	1403.3	1391.7	1375.9	1375.0	1379.6
3.5°	1468.4	1470.9	1465.1	1453.2	1435.8	1415.9	1398.0	1384.7	1367.2	1365.8	1371.1
4°	1473.5	1476.2	1469.7	1455.6	1435.3	1412.7	1392.4	1376.9	1358.5	1356.6	1362.6
4.5°	1478.4	1481.3	1473.8	1457.8	1434.8	1409.6	1386.6	1368.9	1349.1	1347.1	1353.7
5°	1482.7	1486.4	1477.6	1459.7	1433.8	1405.7	1380.3	1360.9	1339.9	1337.4	1344.9
5.5°	1486.8	1491.0	1481.3	1461.2	1432.6	1401.8	1374.0	1352.7	1329.9	1327.5	1335.3
6°	1490.7	1495.1	1484.4	1462.6	1430.9	1397.2	1367.0	1344.0	1320.5	1317.3	1326.1
6.5°	1494.1	1499.0	1487.3	1463.6	1429.0	1392.9	1360.2	1335.3	1310.6	1307.4	1316.1
7°	1497.3	1502.3	1489.8	1464.1	1426.8	1387.8	1352.9	1326.5	1300.4	1297.0	1306.0
7.5°	1500.2	1505.5	1491.9	1464.1	1423.9	1382.7	1345.7	1317.3	1290.2	1286.3	1296.0
8°	1502.3	1508.2	1493.9	1464.1	1421.0	1377.1	1337.9	1307.9	1279.8	1275.4	1285.9
8.5°	1504.5	1510.6	1495.3	1463.6	1417.8	1371.6	1329.9	1298.2	1269.1	1265.0	1275.7
9°	1506.2	1512.8	1496.5	1462.6	1414.2	1365.3	1321.7	1288.8	1258.5	1253.9	1265.0
9.5°	1507.7	1514.5	1497.0	1461.2	1410.3	1359.0	1313.5	1278.8	1247.4	1242.8	1254.1
10°	1508.6	1515.7	1497.5	1459.5	1406.0	1352.2	1305.0	1269.1	1236.5	1231.6	1243.2
10.5°	1509.1	1516.6	1497.3	1457.5	1401.4	1345.4	1296.0	1258.7	1225.3	1220.2	1232.3
11°	1509.4	1517.1	1497.0	1455.4	1396.3	1338.2	1286.8	1248.3	1214.2	1208.8	1221.2
11.5°	1509.4	1517.4	1496.3	1452.5	1391.0	1330.9	1277.9	1237.9	1202.8	1197.2	1209.8
12°	1508.9	1517.4	1495.1	1449.6	1385.4	1323.1	1268.4	1227.5	1191.4	1185.6	1198.2
12.5°	1508.2	1516.9	1493.6	1446.2	1379.3	1314.9	1258.7	1216.6	1179.8	1173.5	1186.8
13°	1506.9	1515.9	1491.7	1442.5	1373.3	1306.9	1249.0	1205.7	1168.2	1161.9	1175.4
13.5°	1505.2	1514.9	1489.8	1438.4	1366.7	1298.7	1239.1	1194.6	1156.3	1149.8	1163.6
14°	1503.6	1513.0	1487.1	1433.6	1360.0	1289.7	1228.7	1183.4	1144.4	1137.4	1151.7
14.5°	1501.4	1511.1	1484.2	1428.7	1352.7	1280.8	1218.3	1172.0	1132.3	1125.5	1139.6
15°	1499.0	1508.9	1480.8	1423.6	1345.2	1271.3	1207.9	1160.7	1120.2	1113.0	1127.5
15.5°	1495.8	1506.0	1477.2	1418.3	1337.7	1262.1	1197.2	1149.0	1108.1	1100.8	1115.1
16°	1492.4	1503.1	1473.0	1412.5	1329.4	1252.4	1186.1	1137.4	1096.0	1088.5	1103.0
16.5°	1489.8	1499.7	1468.7	1406.4	1321.2	1242.8	1175.2	1125.5	1083.7	1076.1	1090.7
17°	1487.6	1496.5	1464.3	1400.2	1312.5	1232.6	1164.3	1113.9	1071.3	1063.1	1078.6
17.5°	1485.6	1494.4	1459.7	1393.1	1304.0	1222.4	1152.9	1101.8	1058.7	1050.5	1066.2
18°	1483.7	1492.4	1456.1	1386.8	1295.3	1212.0	1141.3	1089.7	1046.1	1037.9	1053.6
18.5°	1480.1	1490.2	1452.7	1380.5	1286.8	1201.8	1129.9	1077.6	1033.5	1025.3	1041.3
19°	1475.5	1487.1	1449.3	1374.7	1278.3	1191.4	1118.3	1065.5	1020.9	1012.7	1029.4
19.5°	1469.2	1482.2	1445.0	1368.7	1269.9	1181.2	1107.1	1053.4	1008.1	1000.1	1017.1
20°	1462.1	1476.4	1439.1	1361.9	1260.7	1170.3	1095.0	1041.3	995.3	987.3	1004.5
20.5°	1454.2	1469.4	1432.1	1353.9	1250.5	1159.7	1083.7	1028.7	982.4	974.4	991.6
21°	1444.7	1461.7	1423.9	1345.7	1239.6	1147.8	1071.3	1016.1	970.1	961.8	978.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1410.3	1432.1	1395.8	1314.7	1205.7	1111.7	1034.7	978.6	931.6	923.6	939.6
23°	1396.8	1420.3	1385.1	1303.8	1193.1	1099.2	1021.9	965.7	918.7	911.0	926.3
23.5°	1382.7	1407.9	1373.5	1292.2	1180.8	1086.6	1009.3	953.1	906.4	898.2	912.7
24°	1368.2	1394.6	1361.7	1279.8	1167.7	1073.0	996.2	940.5	893.6	885.6	899.4
24.5°	1352.7	1380.3	1348.6	1266.7	1154.4	1059.7	983.2	927.5	880.7	872.7	886.1
25°	1336.7	1365.3	1335.0	1253.4	1140.6	1046.1	969.6	914.6	868.1	860.1	872.7
25.5°	1320.5	1349.5	1320.5	1239.8	1126.8	1032.3	956.5	901.8	855.5	847.1	858.9
26°	1303.8	1333.6	1305.7	1225.6	1112.7	1018.5	943.4	889.0	843.2	834.0	845.4
26.5°	1286.3	1317.3	1290.5	1211.3	1098.2	1004.2	929.9	875.9	830.4	821.4	831.8
27°	1269.1	1300.1	1274.5	1196.3	1083.2	989.9	916.3	862.8	818.0	808.6	818.2
27.5°	1251.5	1282.7	1258.0	1181.0	1068.4	975.9	902.5	850.0	805.2	795.7	804.4
28°	1232.8	1264.5	1240.6	1165.0	1053.1	961.8	889.0	837.1	792.8	782.9	790.6
28.5°	1214.4	1246.1	1222.7	1149.0	1038.1	947.1	875.4	823.8	780.5	770.1	777.1
29°	1195.8	1227.7	1205.2	1132.8	1022.4	932.3	861.6	810.7	768.1	757.2	763.5
29.5°	1176.6	1209.1	1187.5	1115.9	1006.6	918.0	848.0	797.9	755.5	744.6	750.0
30°	1157.8	1189.7	1169.1	1099.4	990.7	903.2	834.0	785.1	742.9	731.8	736.2
30.5°	1138.4	1170.6	1150.2	1082.2	974.7	888.2	820.2	772.0	730.3	719.2	722.8
31°	1118.8	1151.0	1131.4	1064.5	959.2	873.7	806.6	758.9	718.0	706.4	709.5
31.5°	1099.6	1131.1	1112.5	1047.1	942.7	858.7	792.8	746.1	705.6	693.5	696.4
32°	1079.8	1111.0	1093.1	1028.9	926.5	844.2	779.3	733.3	693.3	681.2	683.1
32.5°	1059.9	1090.9	1073.7	1011.0	910.3	829.4	765.2	720.4	680.7	668.6	669.6
33°	1040.3	1071.1	1054.6	993.1	893.8	814.4	751.7	707.8	668.4	656.0	656.2
33.5°	1020.5	1051.2	1035.9	974.9	877.8	799.6	738.1	694.5	656.0	643.4	643.7
34°	1001.1	1031.1	1016.3	956.5	861.4	784.3	724.5	681.9	643.7	630.8	630.3
34.5°	981.7	1010.8	996.7	938.4	844.9	769.6	711.0	669.3	631.1	618.5	617.5
35°	962.3	990.9	977.1	920.2	828.9	755.0	697.2	656.7	619.0	606.4	604.4
35.5°	943.0	971.3	957.7	902.3	812.4	740.3	684.1	643.9	606.8	594.3	592.1
36°	923.3	951.7	938.6	884.4	796.2	725.5	670.8	631.5	594.5	582.1	579.5
36.5°	904.7	932.3	919.5	866.2	779.7	710.7	657.2	619.2	582.4	570.0	567.1
37°	885.6	912.4	900.3	848.8	764.2	696.7	643.7	606.8	570.0	557.9	554.8
37.5°	867.2	893.1	881.7	831.1	747.8	681.9	630.3	594.5	558.4	546.3	542.7
38°	848.5	874.2	862.3	812.9	732.3	667.6	617.5	582.6	546.3	534.4	530.6
38.5°	830.6	855.3	843.9	796.0	716.5	653.3	603.9	570.3	534.4	522.6	519.2
39°	812.7	836.7	825.3	778.3	701.0	639.5	590.9	558.4	522.8	511.0	507.3
39.5°	795.2	818.5	807.8	761.8	685.1	625.3	577.8	546.3	511.0	499.6	495.7
40°	777.6	800.6	789.7	744.1	669.8	611.2	565.2	534.4	499.1	487.9	484.3
40.5°	760.9	783.1	772.0	728.2	654.8	596.9	552.4	522.1	487.7	476.6	473.4
41°	744.1	765.2	754.6	711.5	639.5	583.8	540.0	510.5	476.3	465.4	462.3
41.5°	727.4	748.8	737.6	695.0	624.5	569.8	527.7	498.6	464.9	454.3	451.6
42°	711.5	731.8	720.7	678.5	610.2	556.5	515.6	487.5	453.6	443.6	441.5
42.5°	696.0	715.3	704.4	663.5	595.9	543.6	503.4	475.8	442.7	433.2	431.3
43°	680.5	699.6	688.5	648.0	581.7	530.8	491.8	464.7	431.5	422.8	420.9
43.5°	665.4	683.9	672.2	632.8	567.6	518.0	480.0	453.3	420.6	412.9	410.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	621.9	638.3	626.5	588.2	526.9	481.4	446.1	421.6	389.1	384.5	381.9
45.5°	607.8	624.0	611.7	573.9	513.9	469.5	435.4	411.7	379.0	375.6	372.7
46°	594.3	610.0	597.4	560.1	501.0	458.2	424.7	401.7	369.3	366.4	363.5
46.5°	580.9	595.9	583.1	546.3	488.4	446.5	414.6	391.8	359.8	357.4	354.3
47°	567.9	582.1	569.6	532.7	475.8	435.2	404.2	382.1	350.9	348.9	345.3
47.5°	555.3	568.8	555.8	519.7	463.7	424.3	394.0	372.7	342.4	340.7	336.6
48°	542.4	555.5	542.2	506.1	451.6	413.1	384.1	363.5	334.9	332.5	328.4
48.5°	529.8	542.9	529.4	493.8	440.0	402.7	374.1	354.3	328.4	324.5	319.9
49°	518.0	530.3	516.5	481.4	428.6	392.3	364.7	345.6	322.6	316.7	311.9
49.5°	506.1	518.0	504.2	469.3	417.5	382.1	355.0	336.8	317.2	309.5	303.9
50°	494.5	506.1	492.1	457.2	406.6	372.2	345.8	328.4	312.4	302.7	296.2
50.5°	483.1	494.0	479.7	445.3	395.7	362.3	336.8	320.1	307.5	295.9	288.2
51°	471.7	482.4	467.8	433.9	385.0	352.8	327.9	312.1	302.0	289.9	280.9
51.5°	460.6	471.0	456.5	422.8	375.1	343.6	319.4	304.4	295.4	284.3	273.9
52°	449.7	459.6	445.1	411.4	364.9	334.4	310.7	296.9	288.2	277.8	266.6
52.5°	439.0	448.5	433.9	400.8	355.0	325.5	302.5	289.6	281.1	271.2	259.6
53°	428.6	437.8	422.8	390.4	345.3	316.5	294.2	282.8	274.4	264.7	252.8
53.5°	418.0	426.9	412.2	379.7	335.9	307.8	286.2	275.8	267.3	258.1	246.0
54°	407.8	416.5	401.5	369.5	326.7	299.3	278.5	269.5	260.6	251.8	239.5
54.5°	397.6	405.9	390.8	359.6	317.2	291.1	270.7	263.7	254.3	245.5	233.2
55°	387.7	395.9	381.2	349.7	308.5	283.1	263.5	257.7	247.7	239.7	227.1
55.5°	377.8	385.8	371.0	340.2	299.8	274.8	256.2	251.6	241.7	233.2	221.1
56°	368.1	375.8	361.1	330.5	291.3	266.9	248.9	245.3	235.4	227.1	215.3
56.5°	358.6	366.1	351.4	321.3	283.1	259.4	241.9	239.3	229.3	221.6	210.0
57°	349.4	356.7	341.9	312.4	274.6	251.6	235.1	233.2	223.3	216.0	204.6
57.5°	339.7	347.0	332.7	303.4	266.6	244.3	228.6	227.4	217.7	210.2	199.5
58°	330.8	337.6	323.3	294.7	258.6	237.1	222.3	221.6	211.9	204.9	194.2
58.5°	321.8	328.4	314.3	286.0	251.4	230.0	216.0	215.8	206.6	199.5	189.1
59°	312.9	319.6	305.6	277.5	243.6	223.0	210.0	210.2	201.0	194.2	183.8
59.5°	304.1	310.2	296.6	269.3	236.1	216.2	204.4	204.9	195.7	188.9	179.0
60°	295.7	302.0	288.2	261.3	228.6	209.7	198.8	199.5	190.3	183.6	174.1
60.5°	287.2	293.3	279.7	253.1	221.8	203.7	193.2	194.2	185.0	178.5	169.3
61°	278.7	284.8	271.5	245.5	214.8	197.4	187.7	188.9	179.9	173.6	164.4
61.5°	270.5	276.1	263.0	237.8	208.3	191.1	182.1	183.6	174.8	168.5	159.8
62°	262.5	268.3	255.2	230.3	201.7	184.8	177.3	178.5	170.0	163.7	155.2
62.5°	254.7	260.1	247.5	223.0	195.2	178.7	172.2	173.6	164.9	158.9	150.6
63°	246.8	252.1	239.5	215.8	188.6	172.9	167.3	168.5	160.3	154.5	146.0
63.5°	239.0	244.1	232.0	208.7	182.1	167.3	162.5	163.7	155.5	149.7	141.7
64°	231.5	236.3	224.5	201.7	175.8	161.8	158.1	158.9	150.9	145.3	137.3
64.5°	224.0	228.8	217.2	194.9	170.0	156.4	153.5	154.3	146.3	140.7	133.2
65°	216.5	221.6	210.0	188.2	164.2	151.1	149.2	149.9	141.7	136.3	128.8
65.5°	209.0	213.8	202.7	181.9	158.4	146.0	144.6	145.3	136.8	132.0	124.7
66°	201.2	206.8	195.9	175.6	152.8	140.9	140.5	140.7	132.2	127.6	120.8



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	179.0	185.3	175.6	156.9	136.8	126.9	127.6	127.6	118.4	114.8	109.0
68°	171.7	178.2	169.0	151.1	131.7	122.3	123.7	123.3	114.1	110.7	105.1
68.5°	164.2	171.2	162.7	145.5	126.6	117.9	119.6	118.9	109.7	106.3	101.5
69°	157.2	164.2	156.7	139.7	121.8	113.6	115.8	114.8	105.3	102.4	97.8
69.5°	150.1	157.4	150.6	134.4	117.0	109.7	111.6	110.4	101.0	98.3	94.2
70°	143.1	150.6	144.6	128.8	112.1	105.6	108.0	106.3	96.9	94.4	90.6
70.5°	136.6	144.1	138.8	123.5	107.5	101.7	104.1	102.4	93.0	90.6	87.2
71°	129.8	137.8	132.9	118.4	103.2	98.1	100.5	98.3	88.9	86.5	83.5
71.5°	123.3	131.2	127.4	113.3	98.8	94.4	96.9	94.4	85.0	82.8	80.2
72°	116.7	125.2	122.0	108.5	94.7	90.8	93.2	90.6	81.1	79.2	76.8
72.5°	110.7	119.4	116.5	103.9	90.6	87.4	89.8	86.7	77.2	75.3	73.4
73°	104.6	113.3	111.2	99.3	86.7	83.8	86.2	83.1	73.4	71.9	70.2
73.5°	98.3	107.8	106.1	94.4	82.8	80.6	82.8	79.2	69.7	68.3	67.1
74°	92.5	101.9	100.7	90.1	79.2	77.5	79.4	75.8	66.1	64.7	63.9
74.5°	86.5	96.4	95.9	86.9	75.6	74.3	76.3	72.2	62.7	61.3	60.5
75°	81.1	91.1	91.1	82.8	71.9	71.2	72.9	68.8	59.3	57.9	57.6
75.5°	75.8	85.7	86.0	78.7	68.5	68.3	69.7	65.4	55.9	54.7	54.5
76°	70.5	81.1	81.6	74.3	65.4	65.4	66.6	62.0	52.5	51.3	51.6
76.5°	65.1	76.3	77.2	70.2	62.0	62.5	63.4	58.6	49.2	48.2	48.7
77°	60.1	71.4	73.1	66.4	59.1	59.6	60.3	55.5	46.0	45.0	45.8
77.5°	55.0	66.6	68.8	62.7	55.9	56.9	57.1	52.3	42.9	42.1	43.1
78°	50.1	62.0	64.4	59.3	53.0	54.2	54.5	49.2	40.0	39.0	40.4
78.5°	45.5	57.9	60.3	55.9	50.1	51.3	51.3	46.0	36.8	36.1	37.5
79°	40.9	53.5	56.4	52.5	47.2	48.7	48.7	42.9	33.9	33.2	34.9
79.5°	36.8	49.4	52.5	49.2	44.6	46.3	45.8	40.0	31.0	30.5	32.4
80°	32.7	45.3	48.7	46.0	42.1	43.6	43.1	37.1	28.3	27.6	29.8
80.5°	29.1	41.7	45.0	43.1	39.5	41.2	40.4	34.4	25.4	24.9	27.4
81°	25.4	38.0	41.7	40.2	37.1	38.7	37.8	31.5	23.0	22.5	24.9
81.5°	22.0	34.6	38.3	37.3	34.6	36.3	35.1	28.8	20.3	20.1	22.8
82°	18.6	31.2	34.9	34.6	32.2	33.9	32.7	26.2	17.9	17.7	20.6
82.5°	15.5	27.8	31.7	32.0	30.0	31.5	30.0	23.7	15.3	15.3	18.4
83°	12.8	24.7	28.8	29.3	27.8	29.3	27.6	21.3	12.6	12.8	16.2
83.5°	10.4	21.8	25.9	26.9	25.7	27.1	25.4	18.9	10.4	10.9	14.0
84°	8.5	18.6	23.2	24.5	23.5	24.7	23.2	16.5	8.2	9.2	12.1
84.5°	7.3	16.0	20.6	22.3	21.6	22.8	21.1	14.0	6.3	7.7	10.4
85°	6.3	13.3	18.2	20.1	19.6	20.6	19.1	12.1	5.1	6.5	8.5
85.5°	5.1	10.9	16.0	17.9	17.7	18.6	17.0	10.4	4.4	5.3	6.8
86°	4.1	8.7	13.8	16.0	15.7	16.5	14.8	9.0	3.6	4.4	4.8
86.5°	3.4	7.3	11.9	13.8	13.8	14.3	12.8	7.7	2.9	3.1	3.4
87°	2.9	5.8	9.9	12.1	12.1	12.4	10.9	6.3	2.2	2.2	1.9
87.5°	2.2	4.4	8.5	10.4	10.4	10.4	9.0	5.1	1.5	1.2	0.7
88°	1.7	2.9	7.0	8.7	8.5	8.7	7.3	3.9	1.0	0.5	0.2
88.5°	1.2	1.9	5.3	7.0	6.8	6.8	5.6	2.7	0.2	0.2	0.0



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.5	1.5	2.7	2.2	1.9	1.0	0.2	0.0	0.2	0.0



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1427.0	1427.0	1427.0	1427.0	1427.0	1427.0
0.5°	1420.5	1425.8	1428.5	1432.4	1436.0	1431.4
1°	1415.2	1422.9	1428.7	1435.0	1441.1	1438.2
1.5°	1409.4	1419.8	1428.5	1437.7	1445.9	1444.7
2°	1403.5	1416.6	1427.8	1439.9	1450.5	1451.0
2.5°	1397.2	1412.7	1427.0	1441.8	1454.9	1457.1
3°	1390.7	1408.9	1425.6	1443.3	1458.8	1462.9
3.5°	1383.7	1404.5	1424.1	1444.7	1462.4	1468.4
4°	1376.7	1399.9	1421.9	1445.4	1465.3	1473.5
4.5°	1369.4	1394.8	1419.8	1445.9	1468.2	1478.4
5°	1361.7	1389.5	1417.1	1446.2	1471.1	1482.7
5.5°	1353.7	1384.2	1414.0	1445.9	1473.3	1486.8
6°	1345.7	1378.1	1410.8	1445.4	1475.0	1490.7
6.5°	1337.4	1371.8	1407.2	1444.5	1476.4	1494.1
7°	1328.5	1365.3	1403.1	1443.0	1477.6	1497.3
7.5°	1319.8	1358.5	1398.7	1441.3	1478.6	1500.2
8°	1310.8	1351.7	1394.1	1439.4	1478.9	1502.3
8.5°	1301.4	1344.2	1389.0	1437.2	1478.9	1504.5
9°	1291.9	1336.5	1383.7	1434.5	1478.6	1506.2
9.5°	1282.0	1328.5	1378.1	1431.4	1478.1	1507.7
10°	1272.1	1320.5	1372.3	1428.0	1477.2	1508.6
10.5°	1261.9	1312.0	1366.3	1424.4	1475.9	1509.1
11°	1251.7	1303.5	1359.5	1420.3	1474.3	1509.4
11.5°	1241.3	1294.6	1352.4	1415.9	1472.1	1509.4
12°	1230.6	1285.1	1345.7	1411.3	1469.7	1508.9
12.5°	1220.0	1275.9	1338.4	1406.2	1467.0	1508.2
13°	1209.1	1266.5	1330.7	1400.9	1464.1	1506.9
13.5°	1197.7	1256.8	1322.7	1395.6	1460.7	1505.2
14°	1186.3	1246.6	1314.4	1389.3	1456.8	1503.6
14.5°	1174.9	1236.9	1306.7	1383.2	1453.2	1501.4
15°	1164.1	1227.0	1298.4	1377.4	1448.6	1499.0
15.5°	1152.7	1217.3	1290.9	1372.3	1445.0	1495.8
16°	1141.5	1207.4	1283.4	1367.7	1442.0	1492.4
16.5°	1130.1	1197.7	1275.9	1362.4	1439.1	1489.8
17°	1118.8	1187.8	1267.2	1356.1	1435.8	1487.6
17.5°	1107.1	1177.1	1257.3	1348.1	1431.1	1485.6
18°	1095.5	1165.7	1246.6	1339.6	1424.6	1483.7
18.5°	1083.4	1153.9	1235.2	1329.9	1416.9	1480.1
19°	1070.8	1141.0	1223.4	1319.8	1408.1	1475.5
19.5°	1058.0	1128.2	1211.3	1308.6	1399.2	1469.2
20°	1044.9	1114.9	1198.9	1297.0	1388.8	1462.1
20.5°	1031.3	1101.8	1185.6	1284.9	1378.1	1454.2
21°	1018.0	1087.8	1172.0	1271.8	1366.3	1444.7



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	976.4	1045.4	1130.1	1230.4	1326.5	1410.3
23°	962.3	1030.9	1115.4	1215.9	1311.8	1396.8
23.5°	947.8	1016.1	1100.1	1200.4	1296.5	1382.7
24°	933.5	1001.1	1085.1	1184.9	1280.3	1368.2
24.5°	919.0	986.1	1069.4	1168.4	1264.1	1352.7
25°	904.7	971.1	1053.6	1151.9	1246.9	1336.7
25.5°	890.2	956.0	1037.4	1135.2	1229.9	1320.5
26°	875.6	940.8	1021.2	1118.0	1212.2	1303.8
26.5°	861.4	925.3	1005.4	1100.8	1194.8	1286.3
27°	846.8	909.8	988.7	1083.2	1176.9	1269.1
27.5°	832.3	894.3	972.3	1065.5	1158.2	1251.5
28°	817.8	878.8	955.1	1047.3	1139.6	1232.8
28.5°	803.5	863.0	938.6	1029.4	1121.4	1214.4
29°	788.9	848.0	922.1	1011.5	1103.0	1195.8
29.5°	774.4	832.5	905.2	993.1	1084.1	1176.6
30°	760.1	817.0	888.2	975.9	1065.3	1157.8
30.5°	745.8	801.5	871.3	957.7	1046.4	1138.4
31°	731.6	786.5	854.6	939.6	1028.0	1118.8
31.5°	717.5	771.0	838.1	921.9	1009.3	1099.6
32°	703.0	755.8	821.4	904.2	990.2	1079.8
32.5°	689.4	740.8	804.9	886.3	971.5	1059.9
33°	675.4	725.5	788.5	869.6	952.9	1040.3
33.5°	661.3	710.5	772.5	852.2	934.2	1020.5
34°	647.8	695.7	756.3	835.0	916.6	1001.1
34.5°	634.2	680.9	740.5	818.0	897.9	981.7
35°	620.6	666.4	724.8	801.3	880.0	962.3
35.5°	607.3	651.6	709.0	784.6	862.1	943.0
36°	594.3	637.8	694.3	768.8	844.6	923.3
36.5°	581.2	623.6	679.0	751.9	827.5	904.7
37°	568.1	609.8	664.7	736.4	809.8	885.6
37.5°	555.8	595.7	649.7	720.7	792.8	867.2
38°	543.2	582.4	635.4	705.4	775.9	848.5
38.5°	531.1	569.1	621.1	689.7	759.2	830.6
39°	519.2	556.0	607.3	675.1	743.4	812.7
39.5°	506.8	542.9	593.8	660.4	727.2	795.2
40°	495.0	530.6	580.0	645.8	711.2	777.6
40.5°	483.6	518.0	566.9	631.1	695.7	760.9
41°	472.2	506.1	553.8	617.3	680.5	744.1
41.5°	460.8	494.0	541.2	603.2	665.4	727.4
42°	450.2	482.4	528.6	589.9	650.7	711.5
42.5°	439.3	470.8	516.0	576.6	636.1	696.0
43°	428.9	459.9	503.9	563.5	621.9	680.5
43.5°	418.4	448.5	491.8	550.4	608.1	665.4

TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	388.9	416.8	457.2	513.1	567.9	621.9
45.5°	379.5	406.3	446.3	501.0	555.0	607.8
46°	370.0	396.4	435.2	489.2	542.4	594.3
46.5°	360.8	386.5	424.7	477.5	529.8	580.9
47°	351.6	376.8	413.8	465.9	517.7	567.9
47.5°	342.9	367.4	403.7	454.8	505.6	555.3
48°	334.2	358.2	393.5	443.6	494.0	542.4
48.5°	325.7	348.9	383.3	432.7	482.4	529.8
49°	317.0	340.0	373.6	422.3	471.2	518.0
49.5°	308.8	331.0	364.0	411.9	460.1	506.1
50°	300.8	322.3	354.3	401.3	449.0	494.5
50.5°	292.8	313.8	345.1	391.1	438.3	483.1
51°	285.0	305.4	335.9	381.4	427.6	471.7
51.5°	277.3	296.9	326.9	371.5	417.5	460.6
52°	269.5	289.1	318.0	362.0	406.8	449.7
52.5°	262.0	281.1	309.5	352.6	396.9	439.0
53°	254.7	273.4	300.8	343.1	387.0	428.6
53.5°	247.5	265.6	292.5	334.2	377.0	418.0
54°	240.5	257.9	284.3	325.0	367.4	407.8
54.5°	233.7	250.6	276.3	316.0	358.2	397.6
55°	226.9	243.4	268.3	307.3	348.5	387.7
55.5°	220.1	236.3	260.6	298.8	339.5	377.8
56°	213.8	229.3	252.6	290.3	330.3	368.1
56.5°	207.8	222.5	245.3	282.1	321.3	358.6
57°	201.7	215.5	237.8	273.9	312.4	349.4
57.5°	195.7	209.2	230.5	265.9	303.7	339.7
58°	189.6	202.4	223.5	257.9	294.9	330.8
58.5°	183.6	196.1	216.7	250.4	286.7	321.8
59°	178.0	189.9	209.7	242.6	278.2	312.9
59.5°	172.4	183.8	203.2	235.1	270.2	304.1
60°	167.3	177.7	196.4	227.9	262.0	295.7
60.5°	162.0	171.9	190.1	220.6	254.3	287.2
61°	156.9	166.4	183.6	213.6	246.0	278.7
61.5°	151.8	160.6	177.5	206.6	238.8	270.5
62°	147.0	155.0	171.4	199.5	231.3	262.5
62.5°	142.1	149.7	165.4	193.0	223.8	254.7
63°	137.5	144.6	159.6	186.2	216.2	246.8
63.5°	132.9	139.5	154.0	179.9	209.2	239.0
64°	128.6	134.4	148.2	173.4	202.2	231.5
64.5°	124.5	129.6	142.9	167.1	195.2	224.0
65°	120.4	125.0	137.5	161.0	188.4	216.5
65.5°	116.5	120.1	132.5	155.0	181.9	209.0
66°	112.6	115.5	127.1	148.9	175.3	201.2

TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL5125CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	101.5	102.7	112.4	132.0	155.5	179.0
68°	98.1	98.6	107.8	126.6	149.2	171.7
68.5°	94.4	94.7	103.4	121.3	142.9	164.2
69°	91.1	90.8	99.0	116.0	136.6	157.2
69.5°	87.7	86.7	94.4	111.2	130.5	150.1
70°	84.3	83.3	90.3	106.3	124.7	143.1
70.5°	81.1	80.2	86.5	101.5	118.9	136.6
71°	78.0	76.8	82.8	96.6	113.1	129.8
71.5°	74.6	73.4	78.9	92.0	107.5	123.3
72°	71.7	70.2	75.1	87.7	101.9	116.7
72.5°	68.8	67.1	71.2	83.3	96.6	110.7
73°	65.4	63.9	67.8	79.2	91.5	104.6
73.5°	62.5	61.0	64.2	74.8	86.0	98.3
74°	59.6	58.1	60.8	70.7	81.4	92.5
74.5°	56.9	55.2	57.6	66.6	76.8	86.5
75°	54.0	52.3	54.5	62.7	72.2	81.1
75.5°	51.3	49.6	51.3	58.8	67.6	75.8
76°	48.7	47.0	48.4	55.0	63.2	70.5
76.5°	46.0	44.3	45.3	51.6	58.8	65.1
77°	43.3	41.9	42.6	47.9	54.7	60.1
77.5°	40.9	39.5	39.7	44.6	50.6	55.0
78°	38.3	37.1	37.1	41.4	46.7	50.1
78.5°	35.8	34.6	34.6	38.0	42.9	45.5
79°	33.4	32.4	32.2	35.1	39.2	40.9
79.5°	31.0	30.0	29.5	32.0	35.6	36.8
80°	28.6	27.8	27.4	29.3	32.2	32.7
80.5°	26.4	25.9	24.9	26.6	28.8	29.1
81°	24.2	23.7	23.0	24.0	25.7	25.4
81.5°	22.0	21.6	20.8	21.3	22.5	22.0
82°	19.9	19.6	18.6	19.1	19.6	18.6
82.5°	17.7	17.7	16.7	17.0	16.7	15.5
83°	15.7	15.7	14.8	14.8	14.0	12.8
83.5°	13.6	13.6	12.8	12.8	11.9	10.4
84°	11.6	11.9	11.1	10.9	9.7	8.5
84.5°	9.7	9.9	9.4	9.2	8.2	7.3
85°	7.7	8.2	8.0	7.7	6.5	6.3
85.5°	5.8	6.8	6.3	6.3	5.1	5.1
86°	4.1	5.1	4.8	4.8	3.6	4.1
86.5°	2.4	3.4	3.1	3.4	2.7	3.4
87°	1.2	1.7	1.9	2.4	1.9	2.9
87.5°	0.2	0.5	0.7	1.2	1.2	2.2
88°	0.0	0.0	0.0	0.2	0.7	1.7
88.5°	0.0	0.0	0.0	0.0	0.2	1.2



TEST NUMBER: P775960

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRH-HCD42TRLWW-2500lm-2700K

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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Scaled Data Report



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Scaled Data Report





21.5°	1433.8	1452.7	1415.4	1336.0	1228.7	1136.0	1059.4	1003.7	957.2	948.8	966.0
22°	1422.2	1443.0	1406.0	1325.6	1217.3	1124.1	1047.1	991.1	944.4	936.2	952.6



44°	650.4	668.1	656.5	616.8	554.1	505.6	468.6	442.7	410.0	403.4	401.3
44.5°	635.9	653.1	641.7	602.7	540.5	493.3	457.2	431.8	399.8	394.2	391.6



66.5°	193.7	199.8	188.9	169.0	147.2	136.1	136.1	136.6	127.6	123.3	116.7
67°	186.2	192.3	182.3	163.0	141.9	131.5	131.7	132.0	123.0	119.1	112.8



89°	0.7	1.5	3.9	5.6	5.1	5.1	3.9	1.7	0.0	0.2	0.0
89.5°	0.2	1.0	2.4	4.1	3.6	3.4	2.2	0.7	0.0	0.2	0.0

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21.5°	1004.5	1073.7	1158.5	1258.7	1353.9	1433.8
22°	990.7	1059.9	1144.4	1244.9	1340.3	1422.2



44°	408.5	437.6	480.2	537.6	594.3	650.4
44.5°	398.6	426.9	468.8	525.2	580.9	635.9

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66.5°	108.7	111.2	122.0	143.1	168.5	193.7
67°	105.1	106.8	117.2	137.5	162.0	186.2

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89°	0.0	0.0	0.0	0.0	0.2	0.7
89.5°	0.0	0.0	0.0	0.0	0.0	0.2

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Scaled Data Report



(END OF REPORT)