

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: P776092

Luminaire Tested: HCDJBS1525CSD-HCD6TRMB-2500lm-3500K

Issue Date: 2/7/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B001-HCD6TRMB)  
Test Lab:  
Issue Date: 2/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD6TRMB-2500lm-3500K  
Description: 6 INCH ROUND MEDIUM MATTE BLACK TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1854.5 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

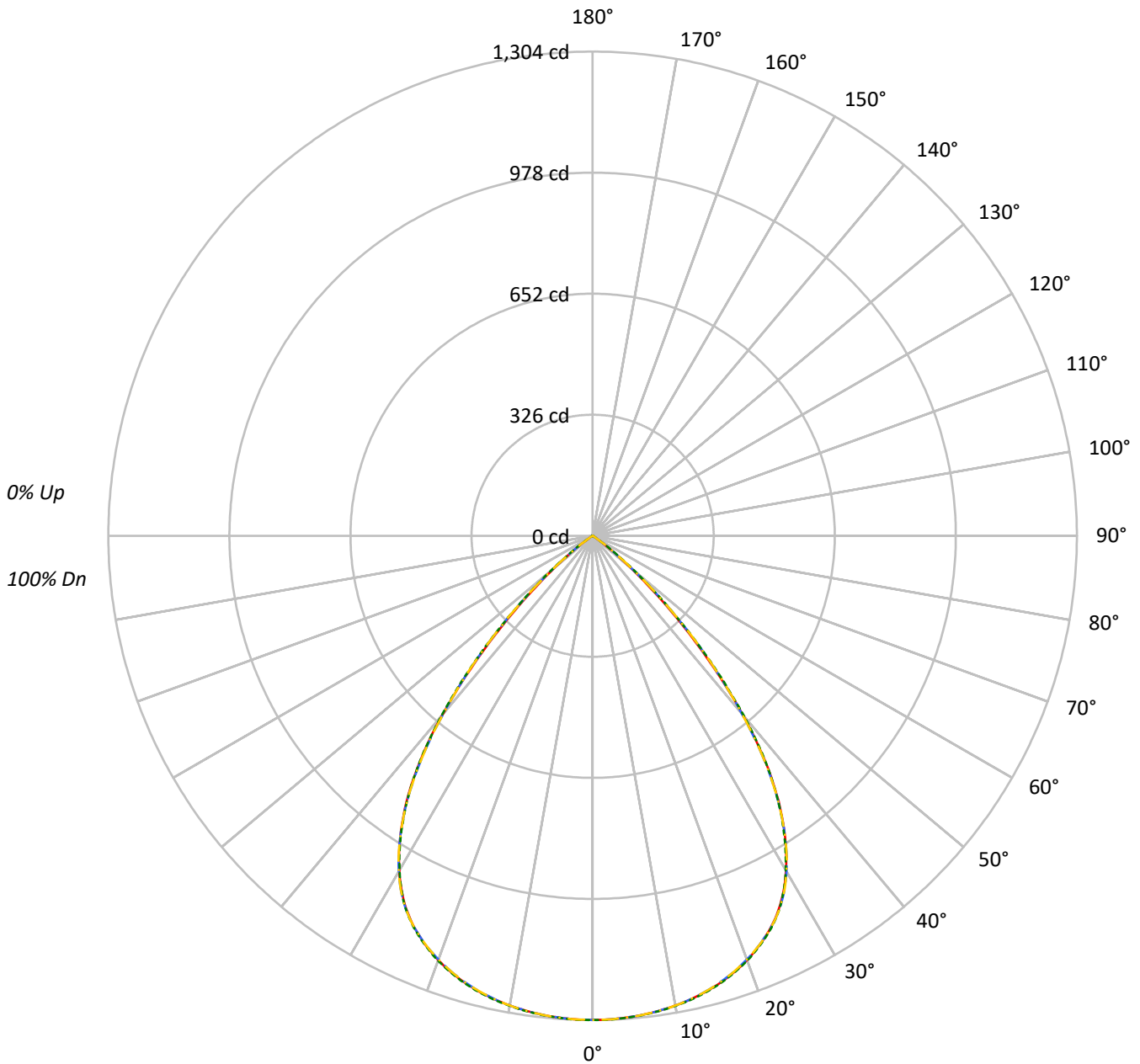
Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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					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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77					77			
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70					70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59					59			
7	79	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	56	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50					50			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46					46			
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42					42			

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

	0°	90°	180°	270°
0°	71496	71496	71496	71496
5°	71494	71522	71494	71522
10°	71508	71564	71508	71564
15°	71425	71510	71425	71510
20°	70934	71021	70934	71021
25°	69579	69712	69579	69712
30°	65909	65814	65909	65814
35°	58424	58243	58424	58243
40°	45056	45435	45056	45435
45°	26933	28274	26933	28274
50°	11138	12801	11138	12801
55°	2160	2542	2160	2542
60°	164	164	164	164
65°	65	65	65	65
70°	48	48	48	48
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 28336 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.6	6.7
10°-20°	354.8	19.1
20°-30°	526.9	28.4
30°-40°	534.1	28.8
40°-50°	279.5	15.1
50°-60°	34.9	1.9
60°-70°	0.6	0.0
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	1005.3	54.2
0°-40°	1539.4	83.0
0°-60°	1853.8	100.0
0°-90°	1854.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1854.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1304	1304	1304	1304	1304	
5°	1299	1300	1299	1300	1299	124
15°	1258	1260	1258	1260	1258	355
25°	1150	1152	1150	1152	1150	527
35°	873	870	873	870	873	535
45°	347	365	347	365	347	272
55°	23	27	23	27	23	32
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2
0.5°	1304.2	1303.9	1303.9	1303.9	1304.4	1303.9	1303.9	1303.9	1304.2	1303.9	1303.9
1°	1303.9	1303.9	1303.7	1303.7	1304.4	1303.7	1303.7	1303.9	1303.9	1303.9	1303.7
1.5°	1303.7	1303.7	1303.4	1303.4	1304.2	1303.4	1303.4	1303.7	1303.7	1303.7	1303.4
2°	1303.4	1303.2	1303.2	1303.2	1303.7	1303.2	1303.2	1303.2	1303.4	1303.2	1303.2
2.5°	1302.9	1302.7	1302.7	1302.7	1303.4	1302.7	1302.7	1302.7	1302.9	1302.7	1302.7
3°	1302.2	1302.2	1302.2	1302.2	1302.9	1302.2	1302.2	1302.2	1302.2	1302.2	1302.2
3.5°	1301.7	1301.7	1301.7	1301.4	1302.2	1301.4	1301.7	1301.7	1301.7	1301.7	1301.7
4°	1300.9	1300.9	1300.9	1300.9	1301.4	1300.9	1300.9	1300.9	1300.9	1300.9	1300.9
4.5°	1299.9	1299.9	1299.9	1299.9	1300.7	1299.9	1299.9	1299.9	1299.9	1299.9	1299.9
5°	1299.2	1299.2	1299.2	1299.2	1299.7	1299.2	1299.2	1299.2	1299.2	1299.2	1299.2
5.5°	1298.1	1298.1	1298.1	1298.1	1298.9	1298.1	1298.1	1298.1	1298.1	1298.1	1298.1
6°	1297.1	1296.9	1296.9	1296.9	1297.6	1296.9	1296.9	1296.9	1297.1	1296.9	1296.9
6.5°	1295.9	1295.6	1295.9	1295.9	1296.6	1295.9	1295.9	1295.6	1295.9	1295.6	1295.9
7°	1294.6	1294.4	1294.4	1294.6	1295.1	1294.6	1294.4	1294.4	1294.6	1294.4	1294.4
7.5°	1293.1	1293.1	1293.1	1293.1	1293.9	1293.1	1293.1	1293.1	1293.1	1293.1	1293.1
8°	1291.6	1291.6	1291.6	1291.6	1292.4	1291.6	1291.6	1291.6	1291.6	1291.6	1291.6
8.5°	1290.1	1289.9	1289.9	1290.1	1290.9	1290.1	1289.9	1289.9	1290.1	1289.9	1289.9
9°	1288.4	1288.4	1288.4	1288.4	1289.1	1288.4	1288.4	1288.4	1288.4	1288.4	1288.4
9.5°	1286.6	1286.4	1286.4	1286.6	1287.4	1286.6	1286.4	1286.4	1286.6	1286.4	1286.4
10°	1284.6	1284.6	1284.4	1284.6	1285.6	1284.6	1284.4	1284.6	1284.6	1284.6	1284.4
10.5°	1282.9	1282.4	1282.4	1282.6	1283.6	1282.6	1282.4	1282.4	1282.9	1282.4	1282.4
11°	1280.6	1280.4	1280.1	1280.6	1281.6	1280.6	1280.1	1280.4	1280.6	1280.4	1280.1
11.5°	1278.3	1277.8	1277.8	1278.3	1279.3	1278.3	1277.8	1277.8	1278.3	1277.8	1277.8
12°	1275.8	1275.6	1275.3	1275.8	1277.1	1275.8	1275.3	1275.6	1275.8	1275.6	1275.3
12.5°	1273.3	1272.8	1272.6	1273.3	1274.6	1273.3	1272.6	1272.8	1273.3	1272.8	1272.6
13°	1270.8	1270.3	1269.8	1270.6	1272.1	1270.6	1269.8	1270.3	1270.8	1270.3	1269.8
13.5°	1267.8	1267.3	1267.1	1267.8	1269.3	1267.8	1267.1	1267.3	1267.8	1267.3	1267.1
14°	1265.1	1264.3	1263.8	1264.8	1266.3	1264.8	1263.8	1264.3	1265.1	1264.3	1263.8
14.5°	1261.8	1261.3	1260.8	1261.6	1263.3	1261.6	1260.8	1261.3	1261.8	1261.3	1260.8
15°	1258.5	1257.8	1257.3	1258.3	1260.0	1258.3	1257.3	1257.8	1258.5	1257.8	1257.3
15.5°	1255.0	1254.3	1253.8	1254.8	1256.5	1254.8	1253.8	1254.3	1255.0	1254.3	1253.8
16°	1251.5	1250.8	1250.0	1251.3	1253.0	1251.3	1250.0	1250.8	1251.5	1250.8	1250.0
16.5°	1247.8	1246.8	1246.3	1247.5	1249.3	1247.5	1246.3	1246.8	1247.8	1246.8	1246.3
17°	1243.8	1242.8	1242.3	1243.5	1245.3	1243.5	1242.3	1242.8	1243.8	1242.8	1242.3
17.5°	1239.5	1238.7	1238.0	1239.2	1241.2	1239.2	1238.0	1238.7	1239.5	1238.7	1238.0
18°	1235.2	1234.2	1233.5	1235.0	1236.7	1235.0	1233.5	1234.2	1235.2	1234.2	1233.5
18.5°	1230.5	1229.7	1229.0	1230.5	1232.2	1230.5	1229.0	1229.7	1230.5	1229.7	1229.0
19°	1226.0	1225.0	1224.2	1225.7	1227.5	1225.7	1224.2	1225.0	1226.0	1225.0	1224.2
19.5°	1220.9	1220.2	1219.2	1220.7	1222.7	1220.7	1219.2	1220.2	1220.9	1220.2	1219.2
20°	1215.9	1214.9	1214.2	1215.7	1217.4	1215.7	1214.2	1214.9	1215.9	1214.9	1214.2
20.5°	1210.4	1209.7	1208.9	1210.4	1212.2	1210.4	1208.9	1209.7	1210.4	1209.7	1208.9
21°	1204.9	1204.2	1203.4	1204.9	1206.4	1204.9	1203.4	1204.2	1204.9	1204.2	1203.4



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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°	1186.6	1185.9	1185.6	1186.9	1188.4	1186.9	1185.6	1185.9	1186.6	1185.9	1185.6
23°	1179.8	1179.3	1179.1	1180.6	1181.6	1180.6	1179.1	1179.3	1179.8	1179.3	1179.1
23.5°	1172.8	1172.6	1172.6	1173.8	1174.8	1173.8	1172.6	1172.6	1172.8	1172.6	1172.6
24°	1165.8	1165.6	1165.8	1166.6	1167.8	1166.6	1165.8	1165.6	1165.8	1165.6	1165.8
24.5°	1158.3	1158.3	1158.5	1159.3	1160.3	1159.3	1158.5	1158.3	1158.3	1158.3	1158.5
25°	1150.3	1150.5	1151.0	1151.5	1152.5	1151.5	1151.0	1150.5	1150.3	1150.5	1151.0
25.5°	1142.0	1142.2	1143.0	1143.0	1144.0	1143.0	1143.0	1142.2	1142.0	1142.2	1143.0
26°	1133.0	1133.5	1134.2	1134.2	1135.2	1134.2	1134.2	1133.5	1133.0	1133.5	1134.2
26.5°	1123.7	1124.4	1125.4	1124.9	1125.4	1124.9	1125.4	1124.4	1123.7	1124.4	1125.4
27°	1113.7	1114.7	1115.7	1114.9	1115.4	1114.9	1115.7	1114.7	1113.7	1114.7	1115.7
27.5°	1103.1	1104.4	1105.4	1104.4	1104.4	1104.4	1105.4	1104.4	1103.1	1104.4	1105.4
28°	1091.9	1093.4	1094.6	1093.1	1092.4	1093.1	1094.6	1093.4	1091.9	1093.4	1094.6
28.5°	1080.1	1081.8	1083.1	1081.3	1080.1	1081.3	1083.1	1081.8	1080.1	1081.8	1083.1
29°	1067.8	1069.5	1070.8	1069.0	1067.3	1069.0	1070.8	1069.5	1067.8	1069.5	1070.8
29.5°	1054.8	1056.8	1058.0	1056.0	1053.8	1056.0	1058.0	1056.8	1054.8	1056.8	1058.0
30°	1041.2	1042.7	1044.2	1042.0	1039.7	1042.0	1044.2	1042.7	1041.2	1042.7	1044.2
30.5°	1027.2	1028.7	1029.9	1027.4	1024.9	1027.4	1029.9	1028.7	1027.2	1028.7	1029.9
31°	1012.4	1013.7	1014.9	1012.7	1009.9	1012.7	1014.9	1013.7	1012.4	1013.7	1014.9
31.5°	997.1	997.9	999.1	996.6	994.1	996.6	999.1	997.9	997.1	997.9	999.1
32°	981.3	981.3	982.6	980.1	978.1	980.1	982.6	981.3	981.3	981.3	982.6
32.5°	964.8	964.5	965.3	962.8	961.3	962.8	965.3	964.5	964.8	964.5	965.3
33°	947.7	946.7	947.5	945.0	944.5	945.0	947.5	946.7	947.7	946.7	947.5
33.5°	930.4	928.7	928.9	926.7	926.4	926.7	928.9	928.7	930.4	928.7	928.9
34°	911.9	909.9	909.9	907.4	908.6	907.4	909.9	909.9	911.9	909.9	909.9
34.5°	892.8	890.6	890.1	887.6	889.8	887.6	890.1	890.6	892.8	890.6	890.1
35°	873.0	870.5	869.5	867.8	870.3	867.8	869.5	870.5	873.0	870.5	869.5
35.5°	852.2	850.2	848.5	847.5	850.2	847.5	848.5	850.2	852.2	850.2	848.5
36°	830.7	829.2	826.7	826.2	829.4	826.2	826.7	829.2	830.7	829.2	826.7
36.5°	808.4	807.1	804.1	804.4	808.1	804.4	804.1	807.1	808.4	807.1	804.1
37°	785.1	784.3	780.8	782.0	785.6	782.0	780.8	784.3	785.1	784.3	780.8
37.5°	761.0	760.7	756.5	758.7	762.0	758.7	756.5	760.7	761.0	760.7	756.5
38°	736.4	736.2	731.4	734.7	737.9	734.7	731.4	736.2	736.4	736.2	731.4
38.5°	710.9	710.6	705.3	709.9	713.1	709.9	705.3	710.6	710.9	710.6	705.3
39°	684.8	684.0	679.0	684.8	687.8	684.8	679.0	684.0	684.8	684.0	679.0
39.5°	658.0	656.7	652.2	658.7	661.7	658.7	652.2	656.7	658.0	656.7	652.2
40°	629.6	628.6	624.9	631.7	634.9	631.7	624.9	628.6	629.6	628.6	624.9
40.5°	601.6	600.3	597.8	604.3	607.1	604.3	597.8	600.3	601.6	600.3	597.8
41°	572.7	572.0	571.5	577.0	579.5	577.0	571.5	572.0	572.7	572.0	571.5
41.5°	544.2	543.4	545.2	549.7	551.9	549.7	545.2	543.4	544.2	543.4	545.2
42°	515.1	515.3	519.1	522.1	524.9	522.1	519.1	515.3	515.1	515.3	519.1
42.5°	486.3	487.5	492.8	495.3	497.8	495.3	492.8	487.5	486.3	487.5	492.8
43°	457.4	460.0	466.5	468.7	470.5	468.7	466.5	460.0	457.4	460.0	466.5
43.5°	429.1	432.6	440.2	442.4	443.4	442.4	440.2	432.6	429.1	432.6	440.2



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	347.4	352.4	362.4	365.5	364.7	365.5	362.4	352.4	347.4	352.4	362.4
45.5°	321.6	326.9	337.4	341.4	339.4	341.4	337.4	326.9	321.6	326.9	337.4
46°	296.3	302.5	313.6	317.6	314.6	317.6	313.6	302.5	296.3	302.5	313.6
46.5°	273.2	278.7	289.8	293.5	290.8	293.5	289.8	278.7	273.2	278.7	289.8
47°	250.2	255.4	266.2	270.5	267.5	270.5	266.2	255.4	250.2	255.4	266.2
47.5°	227.8	232.9	242.9	247.6	245.4	247.6	242.9	232.9	227.8	232.9	242.9
48°	205.8	211.1	220.8	226.1	224.6	226.1	220.8	211.1	205.8	211.1	220.8
48.5°	184.7	190.5	199.8	205.5	204.3	205.5	199.8	190.5	184.7	190.5	199.8
49°	165.4	170.9	179.5	185.7	186.0	185.7	179.5	170.9	165.4	170.9	179.5
49.5°	147.6	151.9	159.9	166.9	167.9	166.9	159.9	151.9	147.6	151.9	159.9
50°	130.6	134.4	141.1	148.6	150.1	148.6	141.1	134.4	130.6	134.4	141.1
50.5°	114.5	117.6	123.3	131.1	132.8	131.1	123.3	117.6	114.5	117.6	123.3
51°	99.8	102.5	108.0	114.8	116.6	114.8	108.0	102.5	99.8	102.5	108.0
51.5°	86.5	88.7	93.5	99.5	102.3	99.5	93.5	88.7	86.5	88.7	93.5
52°	73.9	75.9	80.0	85.2	88.2	85.2	80.0	75.9	73.9	75.9	80.0
52.5°	63.4	63.9	66.9	71.9	74.7	71.9	66.9	63.9	63.4	63.9	66.9
53°	53.6	53.4	55.9	60.7	62.7	60.7	55.9	53.4	53.6	53.4	55.9
53.5°	44.1	44.6	46.6	50.9	51.6	50.9	46.6	44.6	44.1	44.6	46.6
54°	35.8	36.6	37.8	41.6	41.6	41.6	37.8	36.6	35.8	36.6	37.8
54.5°	28.8	29.3	29.8	33.1	32.8	33.1	29.8	29.3	28.8	29.3	29.8
55°	22.6	22.3	22.8	25.6	26.6	25.6	22.8	22.3	22.6	22.3	22.8
55.5°	16.5	16.5	17.3	19.0	20.6	19.0	17.3	16.5	16.5	16.5	17.3
56°	11.0	11.8	13.0	14.5	15.8	14.5	13.0	11.8	11.0	11.8	13.0
56.5°	7.5	7.8	9.5	10.3	11.3	10.3	9.5	7.8	7.5	7.8	9.5
57°	6.0	5.5	6.3	6.8	6.8	6.8	6.3	5.5	6.0	5.5	6.3
57.5°	4.8	4.3	4.5	5.0	4.5	5.0	4.5	4.3	4.8	4.3	4.5
58°	3.8	3.5	3.8	4.0	3.3	4.0	3.8	3.5	3.8	3.5	3.8
58.5°	2.5	2.8	3.0	3.3	2.8	3.3	3.0	2.8	2.5	2.8	3.0
59°	2.3	2.3	2.3	2.5	2.3	2.5	2.3	2.3	2.3	2.3	2.3
59.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
61°	1.0	1.0	1.0	1.3	1.0	1.3	1.0	1.0	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62°	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	1.0	1.0
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
63.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
64°	0.5	0.5	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5





TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
73.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

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



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1304.2	1304.2	1304.2	1304.2	1304.2	1304.2
0.5°	1303.9	1304.4	1303.9	1303.9	1303.9	1304.2
1°	1303.7	1304.4	1303.7	1303.7	1303.9	1303.9
1.5°	1303.4	1304.2	1303.4	1303.4	1303.7	1303.7
2°	1303.2	1303.7	1303.2	1303.2	1303.2	1303.4
2.5°	1302.7	1303.4	1302.7	1302.7	1302.7	1302.9
3°	1302.2	1302.9	1302.2	1302.2	1302.2	1302.2
3.5°	1301.4	1302.2	1301.4	1301.7	1301.7	1301.7
4°	1300.9	1301.4	1300.9	1300.9	1300.9	1300.9
4.5°	1299.9	1300.7	1299.9	1299.9	1299.9	1299.9
5°	1299.2	1299.7	1299.2	1299.2	1299.2	1299.2
5.5°	1298.1	1298.9	1298.1	1298.1	1298.1	1298.1
6°	1296.9	1297.6	1296.9	1296.9	1296.9	1297.1
6.5°	1295.9	1296.6	1295.9	1295.9	1295.6	1295.9
7°	1294.6	1295.1	1294.6	1294.4	1294.4	1294.6
7.5°	1293.1	1293.9	1293.1	1293.1	1293.1	1293.1
8°	1291.6	1292.4	1291.6	1291.6	1291.6	1291.6
8.5°	1290.1	1290.9	1290.1	1289.9	1289.9	1290.1
9°	1288.4	1289.1	1288.4	1288.4	1288.4	1288.4
9.5°	1286.6	1287.4	1286.6	1286.4	1286.4	1286.6
10°	1284.6	1285.6	1284.6	1284.4	1284.6	1284.6
10.5°	1282.6	1283.6	1282.6	1282.4	1282.4	1282.9
11°	1280.6	1281.6	1280.6	1280.1	1280.4	1280.6
11.5°	1278.3	1279.3	1278.3	1277.8	1277.8	1278.3
12°	1275.8	1277.1	1275.8	1275.3	1275.6	1275.8
12.5°	1273.3	1274.6	1273.3	1272.6	1272.8	1273.3
13°	1270.6	1272.1	1270.6	1269.8	1270.3	1270.8
13.5°	1267.8	1269.3	1267.8	1267.1	1267.3	1267.8
14°	1264.8	1266.3	1264.8	1263.8	1264.3	1265.1
14.5°	1261.6	1263.3	1261.6	1260.8	1261.3	1261.8
15°	1258.3	1260.0	1258.3	1257.3	1257.8	1258.5
15.5°	1254.8	1256.5	1254.8	1253.8	1254.3	1255.0
16°	1251.3	1253.0	1251.3	1250.0	1250.8	1251.5
16.5°	1247.5	1249.3	1247.5	1246.3	1246.8	1247.8
17°	1243.5	1245.3	1243.5	1242.3	1242.8	1243.8
17.5°	1239.2	1241.2	1239.2	1238.0	1238.7	1239.5
18°	1235.0	1236.7	1235.0	1233.5	1234.2	1235.2
18.5°	1230.5	1232.2	1230.5	1229.0	1229.7	1230.5
19°	1225.7	1227.5	1225.7	1224.2	1225.0	1226.0
19.5°	1220.7	1222.7	1220.7	1219.2	1220.2	1220.9
20°	1215.7	1217.4	1215.7	1214.2	1214.9	1215.9
20.5°	1210.4	1212.2	1210.4	1208.9	1209.7	1210.4
21°	1204.9	1206.4	1204.9	1203.4	1204.2	1204.9



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1186.9	1188.4	1186.9	1185.6	1185.9	1186.6
23°	1180.6	1181.6	1180.6	1179.1	1179.3	1179.8
23.5°	1173.8	1174.8	1173.8	1172.6	1172.6	1172.8
24°	1166.6	1167.8	1166.6	1165.8	1165.6	1165.8
24.5°	1159.3	1160.3	1159.3	1158.5	1158.3	1158.3
25°	1151.5	1152.5	1151.5	1151.0	1150.5	1150.3
25.5°	1143.0	1144.0	1143.0	1143.0	1142.2	1142.0
26°	1134.2	1135.2	1134.2	1134.2	1133.5	1133.0
26.5°	1124.9	1125.4	1124.9	1125.4	1124.4	1123.7
27°	1114.9	1115.4	1114.9	1115.7	1114.7	1113.7
27.5°	1104.4	1104.4	1104.4	1105.4	1104.4	1103.1
28°	1093.1	1092.4	1093.1	1094.6	1093.4	1091.9
28.5°	1081.3	1080.1	1081.3	1083.1	1081.8	1080.1
29°	1069.0	1067.3	1069.0	1070.8	1069.5	1067.8
29.5°	1056.0	1053.8	1056.0	1058.0	1056.8	1054.8
30°	1042.0	1039.7	1042.0	1044.2	1042.7	1041.2
30.5°	1027.4	1024.9	1027.4	1029.9	1028.7	1027.2
31°	1012.7	1009.9	1012.7	1014.9	1013.7	1012.4
31.5°	996.6	994.1	996.6	999.1	997.9	997.1
32°	980.1	978.1	980.1	982.6	981.3	981.3
32.5°	962.8	961.3	962.8	965.3	964.5	964.8
33°	945.0	944.5	945.0	947.5	946.7	947.7
33.5°	926.7	926.4	926.7	928.9	928.7	930.4
34°	907.4	908.6	907.4	909.9	909.9	911.9
34.5°	887.6	889.8	887.6	890.1	890.6	892.8
35°	867.8	870.3	867.8	869.5	870.5	873.0
35.5°	847.5	850.2	847.5	848.5	850.2	852.2
36°	826.2	829.4	826.2	826.7	829.2	830.7
36.5°	804.4	808.1	804.4	804.1	807.1	808.4
37°	782.0	785.6	782.0	780.8	784.3	785.1
37.5°	758.7	762.0	758.7	756.5	760.7	761.0
38°	734.7	737.9	734.7	731.4	736.2	736.4
38.5°	709.9	713.1	709.9	705.3	710.6	710.9
39°	684.8	687.8	684.8	679.0	684.0	684.8
39.5°	658.7	661.7	658.7	652.2	656.7	658.0
40°	631.7	634.9	631.7	624.9	628.6	629.6
40.5°	604.3	607.1	604.3	597.8	600.3	601.6
41°	577.0	579.5	577.0	571.5	572.0	572.7
41.5°	549.7	551.9	549.7	545.2	543.4	544.2
42°	522.1	524.9	522.1	519.1	515.3	515.1
42.5°	495.3	497.8	495.3	492.8	487.5	486.3
43°	468.7	470.5	468.7	466.5	460.0	457.4
43.5°	442.4	443.4	442.4	440.2	432.6	429.1



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	365.5	364.7	365.5	362.4	352.4	347.4
45.5°	341.4	339.4	341.4	337.4	326.9	321.6
46°	317.6	314.6	317.6	313.6	302.5	296.3
46.5°	293.5	290.8	293.5	289.8	278.7	273.2
47°	270.5	267.5	270.5	266.2	255.4	250.2
47.5°	247.6	245.4	247.6	242.9	232.9	227.8
48°	226.1	224.6	226.1	220.8	211.1	205.8
48.5°	205.5	204.3	205.5	199.8	190.5	184.7
49°	185.7	186.0	185.7	179.5	170.9	165.4
49.5°	166.9	167.9	166.9	159.9	151.9	147.6
50°	148.6	150.1	148.6	141.1	134.4	130.6
50.5°	131.1	132.8	131.1	123.3	117.6	114.5
51°	114.8	116.6	114.8	108.0	102.5	99.8
51.5°	99.5	102.3	99.5	93.5	88.7	86.5
52°	85.2	88.2	85.2	80.0	75.9	73.9
52.5°	71.9	74.7	71.9	66.9	63.9	63.4
53°	60.7	62.7	60.7	55.9	53.4	53.6
53.5°	50.9	51.6	50.9	46.6	44.6	44.1
54°	41.6	41.6	41.6	37.8	36.6	35.8
54.5°	33.1	32.8	33.1	29.8	29.3	28.8
55°	25.6	26.6	25.6	22.8	22.3	22.6
55.5°	19.0	20.6	19.0	17.3	16.5	16.5
56°	14.5	15.8	14.5	13.0	11.8	11.0
56.5°	10.3	11.3	10.3	9.5	7.8	7.5
57°	6.8	6.8	6.8	6.3	5.5	6.0
57.5°	5.0	4.5	5.0	4.5	4.3	4.8
58°	4.0	3.3	4.0	3.8	3.5	3.8
58.5°	3.3	2.8	3.3	3.0	2.8	2.5
59°	2.5	2.3	2.5	2.3	2.3	2.3
59.5°	1.8	1.8	1.8	1.8	1.8	1.8
60°	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.3	1.3	1.3	1.3	1.3	1.3
61°	1.3	1.0	1.3	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8
63.5°	0.8	0.8	0.8	0.8	0.8	0.8
64°	0.5	0.8	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL1525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.3	0.3	0.3	0.3	0.3	0.3
68°	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.0
73.5°	0.3	0.3	0.3	0.3	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776092

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0



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Scaled Data Report





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

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Peachtree City, GA 30269

Scaled Data Report



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Peachtree City, GA 30269

Scaled Data Report





21.5°	1199.1	1198.1	1197.6	1199.1	1200.6	1199.1	1197.6	1198.1	1199.1	1198.1	1197.6
22°	1192.9	1192.4	1191.6	1193.1	1194.4	1193.1	1191.6	1192.4	1192.9	1192.4	1191.6



44°	401.0	405.6	413.8	416.3	416.8	416.3	413.8	405.6	401.0	405.6	413.8
44.5°	374.0	378.7	388.0	390.8	390.5	390.8	388.0	378.7	374.0	378.7	388.0



66.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.5



89°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0



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21.5°	1199.1	1200.6	1199.1	1197.6	1198.1	1199.1
22°	1193.1	1194.4	1193.1	1191.6	1192.4	1192.9



44°	416.3	416.8	416.3	413.8	405.6	401.0
44.5°	390.8	390.5	390.8	388.0	378.7	374.0

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66.5°	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.5	0.5	0.5	0.5	0.3	0.3

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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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Scaled Data Report



(END OF REPORT)