

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: P776087

Luminaire Tested: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B013)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K
Description: 6 INCH ROUND MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT
Ballast/Driver: -

Summary

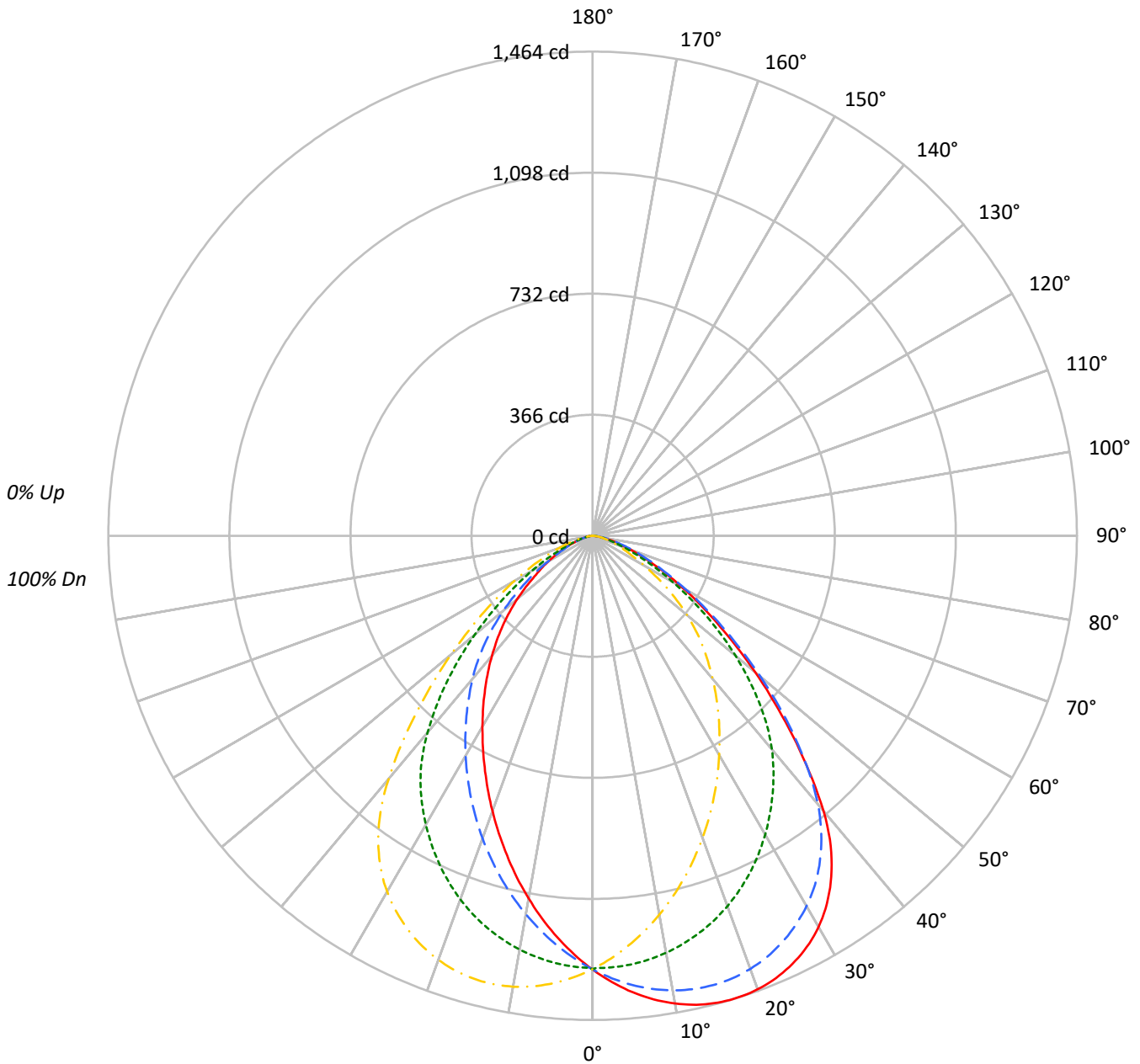
Lumens per Lamp: N/A
Luminaire Lumens: 2576.2 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.17 / 1.23
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (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





TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89					89			
2	103	96	90	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77					77			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68					68			
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60					60			
5	82	70	63	57	80	69	62	56	67	61	56	66	60	55	64	59	55	53					53			
6	76	64	56	51	74	63	56	50	62	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	71836	71836	71836	71836
5°	76249	71626	67114	71351
10°	79953	71269	62001	70707
15°	82940	70568	56777	69688
20°	85122	69528	51647	68221
25°	86406	68006	46720	66258
30°	86437	66010	42165	63820
35°	84189	63523	37932	60739
40°	77660	60342	33863	55525
45°	66317	55138	29747	48145
50°	54651	48101	25321	39700
55°	43841	39645	20520	31014
60°	34449	30710	16939	23266
65°	26190	22506	13244	16630
70°	19330	15804	9841	11460
75°	13704	10993	7329	7540
80°	8619	7829	5241	4735
85°	2830	6164	2705	2390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 68185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	4.8
10°-20°	347.5	13.5
20°-30°	508.0	19.7
30°-40°	570.9	22.2
40°-50°	492.4	19.1
50°-60°	316.2	12.3
60°-70°	153.4	6.0
70°-80°	54.9	2.1
80°-90°	9.5	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°	978.9	38.0
0°-40°	1549.8	60.2
0°-60°	2358.4	91.5
0°-90°	2576.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2576.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1310	1310	1310	1310	1310	
5°	1386	1302	1220	1297	1386	134
15°	1461	1243	1000	1228	1461	413
25°	1428	1124	772	1095	1428	657
35°	1258	949	567	908	1258	780
45°	855	711	384	621	855	660
55°	459	415	215	324	459	414
65°	202	174	102	128	202	204
75°	65	52	35	36	65	71
85°	4	10	4	4	4	9
90°	0	0	0	0	0	



TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4
0.5°	1320.2	1319.2	1317.1	1314.1	1307.1	1305.4	1304.4	1303.9	1303.4	1303.6	1305.1
1°	1327.9	1326.7	1322.9	1317.1	1307.1	1302.3	1298.3	1296.1	1294.6	1295.3	1298.6
1.5°	1336.0	1334.2	1328.4	1320.2	1307.1	1298.6	1292.1	1287.8	1285.8	1287.1	1292.3
2°	1343.7	1341.5	1333.9	1323.2	1306.9	1295.1	1285.8	1279.5	1277.0	1279.0	1285.5
2.5°	1351.3	1348.2	1339.5	1325.7	1306.4	1291.3	1279.0	1271.0	1267.7	1270.2	1278.8
3°	1358.5	1355.0	1344.2	1328.2	1305.6	1287.6	1272.5	1262.5	1258.2	1261.5	1271.8
3.5°	1365.5	1361.5	1349.5	1330.7	1304.9	1283.5	1265.5	1253.4	1248.9	1252.7	1265.0
4°	1372.3	1368.3	1354.0	1332.7	1303.9	1279.3	1258.5	1244.4	1239.2	1243.7	1257.7
4.5°	1379.1	1374.1	1358.8	1334.7	1302.9	1274.8	1251.2	1235.4	1229.4	1234.6	1250.4
5°	1385.6	1380.3	1363.0	1336.5	1301.6	1270.5	1243.9	1226.1	1219.6	1225.1	1242.9
5.5°	1391.6	1385.9	1367.3	1338.2	1300.1	1265.5	1236.4	1216.8	1209.6	1215.8	1235.4
6°	1397.6	1391.4	1371.3	1339.7	1298.6	1260.7	1228.9	1207.0	1199.0	1206.3	1227.6
6.5°	1403.2	1396.6	1375.1	1341.0	1296.8	1256.0	1220.8	1197.5	1189.0	1196.5	1219.8
7°	1408.7	1401.7	1378.6	1342.2	1294.8	1250.7	1213.1	1187.7	1178.5	1187.0	1211.8
7.5°	1414.0	1406.4	1382.1	1343.0	1292.8	1245.4	1205.0	1177.7	1167.9	1177.2	1203.8
8°	1418.7	1411.2	1385.1	1343.7	1290.6	1240.2	1196.8	1167.9	1157.1	1166.9	1195.5
8.5°	1423.5	1415.7	1388.1	1344.5	1288.3	1234.6	1188.2	1157.4	1146.6	1156.9	1187.2
9°	1428.0	1419.7	1390.9	1344.7	1285.8	1228.9	1180.0	1147.4	1135.6	1146.9	1179.0
9.5°	1432.3	1423.7	1393.4	1345.2	1283.0	1223.1	1171.4	1137.1	1124.5	1136.3	1170.2
10°	1436.3	1427.5	1395.6	1345.2	1280.3	1217.1	1162.9	1126.8	1113.8	1126.0	1161.9
10.5°	1440.0	1431.0	1397.9	1345.0	1277.3	1211.1	1154.1	1116.3	1103.0	1115.8	1153.1
11°	1443.5	1434.0	1399.9	1344.7	1274.3	1204.8	1145.1	1105.5	1091.4	1105.2	1144.4
11.5°	1446.6	1437.0	1401.4	1344.2	1270.8	1198.3	1136.1	1094.9	1080.2	1094.7	1135.3
12°	1449.6	1439.5	1402.9	1343.5	1267.5	1192.0	1127.0	1084.2	1069.1	1084.2	1126.5
12.5°	1452.3	1442.0	1404.2	1342.7	1263.7	1185.2	1118.0	1073.4	1057.8	1073.1	1117.5
13°	1454.6	1444.0	1405.2	1341.7	1260.2	1178.7	1108.7	1062.6	1046.3	1062.6	1108.2
13.5°	1456.8	1446.1	1405.9	1340.2	1256.2	1171.9	1099.5	1051.8	1035.0	1051.8	1099.2
14°	1458.6	1447.6	1406.4	1339.0	1252.2	1164.9	1089.9	1040.5	1023.5	1041.0	1089.9
14.5°	1460.1	1449.1	1406.4	1337.2	1247.9	1157.9	1080.4	1029.5	1012.2	1029.7	1080.4
15°	1461.4	1450.1	1406.7	1335.2	1243.4	1150.6	1070.9	1018.5	1000.4	1019.0	1070.9
15.5°	1462.4	1450.8	1406.4	1333.2	1239.2	1143.3	1061.1	1007.7	989.1	1008.2	1061.3
16°	1463.1	1451.6	1405.9	1331.2	1234.4	1136.1	1051.6	996.4	977.6	997.1	1051.8
16.5°	1463.6	1451.6	1405.4	1328.7	1229.6	1128.3	1041.5	985.1	966.0	986.1	1042.3
17°	1463.9	1451.6	1404.4	1325.9	1224.6	1120.8	1032.0	974.1	954.5	975.1	1032.5
17.5°	1463.6	1451.6	1403.2	1322.9	1219.6	1113.0	1022.0	962.8	942.7	963.8	1022.7
18°	1463.4	1451.1	1401.9	1320.2	1214.3	1105.2	1011.9	951.5	931.4	953.0	1012.9
18.5°	1462.6	1450.3	1399.9	1316.6	1208.8	1097.2	1001.9	940.5	919.9	941.7	1002.9
19°	1461.9	1449.3	1398.2	1313.4	1203.0	1089.2	991.9	929.2	908.4	930.4	993.1
19.5°	1460.6	1448.1	1395.9	1309.6	1197.5	1081.2	982.1	917.9	896.8	919.6	983.3
20°	1459.1	1446.6	1393.6	1305.6	1191.8	1072.9	972.1	906.9	885.3	908.6	973.3
20.5°	1457.3	1444.5	1390.9	1301.6	1185.5	1064.6	961.5	895.8	874.3	897.3	963.3
21°	1455.3	1442.5	1388.1	1297.3	1179.2	1056.1	951.2	884.5	862.5	886.3	953.0



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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°	1447.6	1434.8	1378.1	1283.0	1159.9	1030.2	920.9	851.4	828.6	853.2	922.7
23°	1444.3	1431.5	1374.1	1278.0	1153.1	1021.5	910.4	840.1	817.1	842.2	912.4
23.5°	1441.0	1428.0	1370.1	1272.8	1146.1	1012.7	900.1	829.4	806.0	831.1	902.1
24°	1437.0	1424.2	1365.5	1267.0	1139.1	1003.7	889.8	818.1	794.8	820.1	892.1
24.5°	1433.0	1420.2	1361.0	1261.5	1131.8	994.9	879.3	807.3	783.5	809.0	881.8
25°	1428.5	1416.0	1356.0	1255.5	1124.3	985.9	868.7	796.0	772.4	798.3	871.5
25.5°	1423.7	1411.2	1351.0	1249.4	1117.0	976.6	858.7	785.5	761.6	787.5	861.2
26°	1419.0	1406.4	1345.7	1242.9	1109.2	967.3	848.4	774.4	750.9	776.7	850.7
26.5°	1413.4	1401.2	1340.0	1236.6	1101.5	958.0	837.9	763.7	739.8	765.7	840.4
27°	1407.9	1395.6	1333.9	1229.6	1093.7	948.7	827.4	752.9	729.0	755.1	830.1
27.5°	1401.9	1389.9	1327.9	1222.8	1085.4	939.2	817.1	742.6	718.3	744.3	819.8
28°	1395.6	1383.6	1321.4	1215.6	1077.1	929.7	806.8	731.8	707.7	733.8	809.5
28.5°	1388.9	1377.3	1314.6	1208.3	1068.9	920.1	796.5	721.3	697.2	723.3	799.3
29°	1381.6	1370.6	1307.6	1200.5	1060.3	910.6	786.0	710.5	686.9	712.7	788.7
29.5°	1373.8	1363.3	1300.6	1193.0	1051.8	900.8	775.7	700.5	676.4	702.0	778.5
30°	1365.5	1355.8	1293.1	1185.2	1042.8	891.3	765.2	689.9	666.1	691.7	767.9
30.5°	1357.0	1347.7	1285.3	1176.7	1034.0	881.5	755.1	679.6	655.8	681.1	757.6
31°	1348.2	1339.2	1277.3	1168.4	1025.2	871.5	744.8	669.6	645.8	670.9	747.4
31.5°	1338.7	1330.2	1269.0	1159.9	1015.7	861.7	734.6	659.3	635.5	660.6	736.8
32°	1329.2	1320.7	1260.2	1151.1	1006.7	851.9	724.3	649.3	625.7	650.3	726.8
32.5°	1318.7	1310.6	1250.9	1142.1	997.4	841.9	714.0	639.3	615.7	640.3	716.5
33°	1307.1	1300.3	1241.4	1133.1	987.9	831.6	703.7	629.5	605.9	630.2	705.7
33.5°	1295.1	1289.6	1231.4	1123.8	978.6	821.6	693.7	619.7	596.1	620.0	695.4
34°	1283.5	1278.5	1220.8	1114.0	968.8	811.6	683.4	609.7	586.3	610.4	685.4
34.5°	1270.8	1266.5	1209.8	1104.0	959.0	801.5	673.4	599.9	576.3	600.4	675.1
35°	1258.0	1254.2	1198.5	1093.9	949.2	791.5	663.3	590.1	566.8	590.4	664.8
35.5°	1244.2	1241.7	1186.7	1083.4	939.5	781.2	653.3	580.6	557.3	580.8	654.6
36°	1229.4	1228.1	1174.7	1072.6	929.4	771.2	643.5	571.0	548.0	571.0	644.5
36.5°	1214.3	1214.3	1162.2	1061.1	918.9	760.9	633.5	561.3	538.2	561.3	634.2
37°	1198.3	1199.8	1149.1	1049.6	908.9	750.9	623.5	551.7	528.9	551.5	624.2
37.5°	1181.7	1184.5	1135.6	1037.3	898.3	740.3	613.7	542.5	519.4	542.0	613.9
38°	1164.4	1168.9	1121.5	1025.0	887.5	730.0	603.7	532.9	510.1	532.4	603.9
38.5°	1145.9	1152.6	1107.0	1012.2	876.8	720.0	593.9	523.6	501.1	522.9	593.9
39°	1127.0	1135.6	1091.9	998.9	866.0	709.5	584.3	514.1	491.8	513.4	584.1
39.5°	1106.7	1117.0	1076.4	985.1	854.7	699.5	574.6	505.1	482.5	503.8	574.3
40°	1085.2	1097.7	1059.8	970.8	843.2	688.9	564.5	495.8	473.2	494.6	564.3
40.5°	1062.8	1077.9	1042.3	956.3	831.1	678.6	555.0	486.5	464.2	485.3	554.5
41°	1040.3	1057.3	1024.2	941.0	819.1	668.6	545.2	477.3	455.2	475.7	545.0
41.5°	1017.5	1035.3	1005.7	925.4	806.5	658.3	535.7	468.0	445.9	466.7	534.9
42°	993.6	1013.4	986.9	909.4	794.0	648.0	525.9	458.9	437.1	457.4	524.9
42.5°	970.6	991.4	967.5	893.3	780.7	637.5	516.6	449.9	428.1	448.4	514.6
43°	947.5	969.1	947.7	876.8	766.9	626.7	507.1	440.9	419.1	439.4	504.1
43.5°	924.2	946.7	927.4	860.0	753.4	615.7	497.8	431.9	410.3	430.4	493.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	855.4	879.5	867.5	808.5	711.2	581.3	470.0	405.0	383.7	403.5	461.5
45.5°	833.6	857.4	846.7	791.0	696.4	569.3	460.7	396.2	374.9	394.7	450.4
46°	811.3	835.1	826.1	773.7	682.1	557.5	451.2	387.2	366.2	385.7	439.4
46.5°	788.2	812.6	805.5	755.6	667.4	545.5	441.6	378.4	357.1	376.7	428.9
47°	766.9	790.5	785.0	737.8	652.6	533.4	431.6	369.7	348.6	367.4	417.8
47.5°	744.3	768.7	763.9	719.5	637.8	521.1	421.8	360.9	339.8	358.4	406.5
48°	723.3	747.1	743.3	701.7	623.2	509.1	412.0	352.4	331.3	349.1	395.5
48.5°	702.7	726.0	722.8	683.4	608.2	497.1	402.0	343.3	322.5	339.8	384.7
49°	681.4	705.0	702.2	665.6	593.4	484.8	392.0	334.6	313.7	330.5	373.7
49.5°	661.3	683.9	682.4	647.3	578.3	472.5	382.0	326.0	305.2	321.3	362.6
50°	640.8	663.1	661.6	629.0	564.0	460.2	372.2	317.5	296.9	312.2	351.6
50.5°	620.2	642.8	642.0	610.7	548.7	447.7	361.9	308.5	288.4	302.7	341.1
51°	601.4	622.7	622.5	593.1	533.4	435.1	351.6	299.4	279.6	293.2	330.0
51.5°	582.1	603.1	603.1	575.3	518.6	423.3	341.6	290.9	271.4	284.1	319.8
52°	562.8	583.8	584.1	557.8	503.8	411.0	331.5	282.4	263.1	274.9	309.0
52.5°	545.2	564.8	565.3	539.7	488.5	398.8	321.3	273.4	254.6	265.8	298.4
53°	526.4	546.5	546.7	522.6	473.5	386.5	311.5	264.6	246.3	256.6	287.9
53.5°	509.1	528.2	528.7	505.6	458.7	374.4	301.4	256.1	237.7	247.5	277.6
54°	491.3	510.1	510.9	488.8	444.1	362.4	291.2	247.3	229.7	238.5	267.3
54.5°	474.2	492.8	493.8	472.0	429.4	350.6	281.4	238.5	221.4	229.7	257.3
55°	458.7	475.7	476.2	455.4	414.8	339.1	271.6	230.2	214.7	221.4	247.3
55.5°	442.1	459.2	459.7	439.4	400.3	327.0	261.8	221.7	208.2	212.9	237.7
56°	427.1	442.9	443.4	423.6	386.0	315.2	252.0	213.9	201.4	204.6	228.0
56.5°	411.3	427.1	427.3	407.8	372.2	304.0	242.5	206.1	194.6	196.4	218.9
57°	396.7	411.5	411.8	392.5	358.4	292.4	233.2	198.4	189.8	188.1	209.9
57.5°	382.5	396.5	396.2	377.7	344.8	280.9	224.0	190.6	184.1	180.1	200.6
58°	368.2	382.0	381.5	363.1	331.0	270.1	215.2	186.1	178.1	172.5	191.6
58.5°	354.6	367.7	367.2	349.1	318.0	259.1	206.1	180.8	172.0	166.0	182.6
59°	340.8	353.6	353.1	335.1	305.2	248.3	197.4	175.1	166.0	161.0	174.0
59.5°	327.8	340.6	339.6	321.5	292.4	237.7	188.6	169.0	160.3	155.7	165.8
60°	314.2	327.3	326.0	308.5	280.1	227.5	179.8	163.3	154.5	150.5	157.7
60.5°	301.4	314.2	313.0	295.4	267.8	217.4	171.5	157.2	148.7	145.0	150.2
61°	289.4	301.4	300.4	283.1	256.3	207.7	163.5	151.5	143.2	139.4	143.0
61.5°	277.4	289.4	288.2	270.9	245.0	197.6	156.2	145.7	137.9	134.2	135.7
62°	265.6	277.4	276.6	259.1	234.0	187.8	149.0	140.2	132.7	128.9	129.2
62.5°	254.0	265.8	265.1	247.8	223.7	179.1	141.9	134.9	127.4	123.9	122.6
63°	243.3	254.6	253.8	236.7	213.4	170.0	135.2	129.7	122.1	118.9	116.4
63.5°	232.5	243.8	243.0	226.0	203.1	161.5	129.7	124.6	117.1	114.1	110.6
64°	221.7	233.0	232.5	215.2	192.9	153.2	124.9	119.6	112.1	109.3	105.1
64.5°	211.4	223.2	222.5	205.1	182.8	145.2	120.1	114.9	107.1	104.6	99.8
65°	201.9	213.2	212.4	195.4	173.5	137.7	115.4	110.1	102.1	99.8	95.0
65.5°	192.6	203.6	202.9	186.1	164.8	130.2	110.8	105.6	97.6	95.3	90.5
66°	183.1	194.1	193.6	177.1	156.0	122.9	106.1	100.8	93.0	90.8	86.5



TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	157.7	168.3	167.8	151.7	132.2	103.8	93.3	88.0	80.0	78.0	75.7
68°	149.7	160.3	159.8	143.7	124.9	98.1	89.3	84.0	76.0	74.0	72.5
68.5°	142.2	152.5	151.7	136.2	117.6	92.5	85.3	80.0	72.2	70.2	69.2
69°	134.7	145.2	144.2	128.9	111.1	87.5	81.5	76.2	68.5	66.5	66.0
69.5°	127.4	137.9	137.2	121.9	104.6	82.5	78.0	72.5	65.0	62.9	62.9
70°	120.6	130.7	129.9	115.1	98.6	78.0	74.5	69.0	61.4	59.4	59.7
70.5°	114.1	124.1	123.4	108.8	92.5	73.7	71.2	65.7	58.4	56.2	56.7
71°	107.6	117.6	116.9	102.6	87.3	69.7	68.0	62.4	55.2	53.2	53.9
71.5°	101.3	111.6	110.6	96.8	82.0	65.7	64.7	59.2	52.2	50.2	51.2
72°	95.6	105.3	104.6	91.3	77.0	62.2	61.4	56.2	49.4	47.4	48.2
72.5°	89.3	99.6	98.8	86.5	72.2	58.7	58.7	53.4	46.6	44.9	45.6
73°	84.3	93.8	93.0	81.5	67.7	55.4	55.7	50.7	44.1	42.1	43.1
73.5°	79.2	89.8	88.3	76.7	63.4	52.4	52.9	47.9	41.6	39.9	40.6
74°	74.2	84.5	83.3	71.7	59.4	49.7	50.2	45.4	39.1	37.4	38.1
74.5°	69.2	79.5	78.5	66.7	55.7	46.9	47.7	42.9	36.9	35.1	35.9
75°	64.7	74.5	73.5	62.4	51.9	44.4	44.9	40.4	34.6	33.1	33.6
75.5°	59.9	69.5	68.7	58.4	48.4	42.1	42.6	38.1	32.6	30.8	31.6
76°	55.7	65.0	64.2	54.4	45.1	39.9	40.4	35.9	30.3	28.8	29.6
76.5°	51.7	60.7	59.9	50.7	42.1	37.6	38.1	33.9	28.3	26.8	27.6
77°	47.7	56.7	55.9	47.1	39.1	35.6	35.9	31.6	26.6	25.1	25.8
77.5°	43.9	52.9	51.9	43.9	36.4	33.6	33.9	29.6	24.8	23.3	24.1
78°	40.4	49.2	48.2	40.6	33.6	31.6	31.9	27.6	23.1	21.6	22.3
78.5°	36.9	45.6	44.6	37.4	31.1	29.8	29.8	25.6	21.3	20.1	20.8
79°	33.6	42.4	41.1	34.6	28.8	28.1	27.8	23.8	19.8	18.6	19.3
79.5°	30.3	39.1	37.9	31.9	26.6	26.3	26.1	22.1	18.3	16.8	17.8
80°	27.3	36.1	34.9	29.1	24.8	24.6	24.3	20.6	16.6	15.3	16.1
80.5°	24.6	33.1	32.1	26.8	22.8	23.1	22.6	18.8	15.0	13.8	14.5
81°	21.8	30.3	29.3	24.6	21.3	21.6	21.1	17.1	13.8	12.5	13.3
81.5°	19.1	27.6	26.6	22.3	19.6	20.1	19.3	15.3	12.3	11.3	12.0
82°	16.6	25.1	24.1	20.3	18.1	18.3	17.8	13.8	11.0	10.0	10.8
82.5°	14.3	22.6	21.8	18.6	16.3	16.8	16.1	12.5	9.8	8.8	9.5
83°	12.0	20.3	19.6	16.8	14.8	15.3	14.5	11.0	8.5	7.5	8.5
83.5°	9.8	18.1	17.6	15.0	13.5	14.0	13.0	9.8	7.5	6.5	7.5
84°	8.0	15.8	15.5	13.3	12.0	12.8	11.8	8.5	6.5	5.3	6.5
84.5°	6.3	13.8	13.8	11.8	11.0	11.5	10.5	7.3	5.3	4.5	5.5
85°	4.5	11.8	12.0	10.5	9.8	10.3	9.3	6.3	4.3	3.5	4.8
85.5°	2.8	9.8	10.3	9.0	8.5	9.0	8.0	5.3	3.5	3.0	3.8
86°	2.0	8.5	9.0	8.0	7.5	8.0	7.0	4.5	2.8	2.5	3.0
86.5°	1.5	7.0	7.8	6.8	6.5	6.8	6.0	3.8	2.3	2.0	2.3
87°	1.3	5.5	6.3	5.5	5.5	5.8	5.0	3.0	1.8	1.5	1.5
87.5°	0.8	4.3	5.0	4.5	4.5	4.8	4.0	2.5	1.3	1.0	0.8
88°	0.5	3.0	3.8	3.5	3.8	3.8	3.3	1.8	0.8	0.5	0.3
88.5°	0.3	1.8	2.5	2.5	3.0	2.8	2.3	1.3	0.5	0.3	0.0



TEST NUMBER: P776087

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

TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1310.4	1310.4	1310.4	1310.4	1310.4	1310.4
0.5°	1307.4	1306.6	1311.4	1315.6	1319.2	1320.2
1°	1303.9	1306.4	1314.1	1321.4	1326.7	1327.9
1.5°	1300.1	1305.6	1316.6	1326.4	1333.7	1336.0
2°	1296.1	1304.9	1319.2	1331.7	1340.7	1343.7
2.5°	1292.1	1303.9	1321.2	1336.7	1347.2	1351.3
3°	1288.1	1302.9	1323.2	1341.2	1354.0	1358.5
3.5°	1283.5	1301.6	1325.2	1345.7	1360.0	1365.5
4°	1279.0	1300.1	1326.7	1350.0	1366.3	1372.3
4.5°	1274.3	1298.3	1328.2	1354.0	1372.1	1379.1
5°	1269.5	1296.6	1329.4	1358.0	1377.8	1385.6
5.5°	1264.7	1294.8	1330.7	1361.5	1383.4	1391.6
6°	1259.5	1292.8	1331.7	1365.0	1388.4	1397.6
6.5°	1254.4	1290.6	1332.2	1368.3	1393.4	1403.2
7°	1249.2	1288.1	1332.7	1371.3	1397.9	1408.7
7.5°	1243.7	1285.5	1333.2	1374.1	1402.4	1414.0
8°	1238.1	1282.8	1333.2	1376.6	1406.7	1418.7
8.5°	1232.4	1279.8	1333.2	1378.8	1410.7	1423.5
9°	1226.6	1277.0	1332.9	1380.8	1414.5	1428.0
9.5°	1220.6	1273.5	1332.4	1382.9	1418.0	1432.3
10°	1214.6	1270.2	1331.7	1384.4	1421.2	1436.3
10.5°	1208.6	1267.0	1330.9	1385.6	1424.2	1440.0
11°	1202.0	1263.2	1329.7	1386.9	1427.0	1443.5
11.5°	1195.8	1259.2	1328.4	1387.6	1429.2	1446.6
12°	1189.0	1255.2	1326.9	1388.4	1431.5	1449.6
12.5°	1182.2	1250.9	1325.2	1388.6	1433.5	1452.3
13°	1175.5	1246.7	1323.4	1388.9	1435.0	1454.6
13.5°	1168.7	1242.4	1321.2	1388.6	1436.3	1456.8
14°	1161.7	1237.6	1318.9	1388.4	1437.5	1458.6
14.5°	1154.4	1232.9	1316.4	1387.6	1438.3	1460.1
15°	1147.1	1227.9	1313.4	1386.9	1438.8	1461.4
15.5°	1139.8	1222.6	1310.4	1385.6	1439.0	1462.4
16°	1132.3	1217.6	1307.4	1384.4	1439.0	1463.1
16.5°	1124.8	1212.1	1304.1	1382.6	1438.8	1463.6
17°	<i>1117.0</i>	<i>1206.5</i>	<i>1300.3</i>	<i>1380.8</i>	<i>1438.3</i>	<i>1463.9</i>
17.5°	1109.2	1200.8	1296.6	1378.6	1437.5	1463.6
18°	1101.2	1194.8	1292.6	1376.3	1436.5	1463.4
18.5°	1093.2	1188.7	1288.3	1373.6	1435.0	1462.6
19°	1085.2	1182.5	1283.8	1370.8	1433.5	1461.9
19.5°	1076.9	1176.2	1279.3	1367.6	1431.5	1460.6
20°	1068.6	1169.4	1274.3	1364.3	1429.5	1459.1
20.5°	1060.3	1162.9	1269.2	1360.5	1427.0	1457.3
21°	1051.6	1156.1	1264.0	1356.8	1424.2	1455.3

TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1025.7	1134.3	1246.9	1343.7	1414.5	1447.6
23°	1016.7	1127.0	1240.7	1338.7	1410.7	1444.3
23.5°	1008.2	1119.5	1234.4	1333.7	1406.7	1441.0
24°	998.9	1111.7	1227.9	1328.4	1402.2	1437.0
24.5°	989.6	1104.0	1221.1	1322.7	1397.4	1433.0
25°	980.6	1095.4	1214.1	1316.6	1392.4	1428.5
25.5°	971.6	1087.4	1207.0	1310.4	1386.9	1423.7
26°	962.3	1079.1	1199.8	1304.1	1381.6	1419.0
26.5°	952.5	1071.1	1192.5	1297.3	1375.6	1413.4
27°	943.2	1062.1	1184.7	1290.3	1369.6	1407.9
27.5°	933.7	1053.1	1176.7	1283.3	1363.0	1401.9
28°	924.2	1044.8	1168.4	1275.8	1356.0	1395.6
28.5°	914.4	1035.8	1160.2	1268.0	1348.7	1388.9
29°	904.6	1026.7	1151.6	1260.0	1341.2	1381.6
29.5°	895.1	1017.7	1142.6	1251.4	1332.9	1373.8
30°	885.0	1008.2	1134.1	1242.7	1324.4	1365.5
30.5°	875.0	998.9	1124.5	1233.4	1315.1	1357.0
31°	865.2	989.1	1115.5	1223.9	1305.6	1348.2
31.5°	855.2	980.1	1105.7	1213.6	1295.3	1338.7
32°	845.2	969.6	1095.7	1203.0	1285.0	1329.2
32.5°	835.1	959.8	1085.2	1192.3	1274.3	1318.7
33°	824.8	949.5	1074.1	1180.7	1263.2	1307.1
33.5°	814.8	939.7	1063.3	1168.9	1251.4	1295.1
34°	804.5	929.2	1051.3	1156.1	1238.4	1283.5
34.5°	794.5	918.4	1039.0	1143.1	1224.9	1270.8
35°	784.0	907.6	1026.5	1129.8	1211.1	1258.0
35.5°	773.9	896.1	1013.4	1116.0	1197.0	1244.2
36°	763.7	884.0	1000.1	1101.5	1182.2	1229.4
36.5°	753.1	872.2	986.4	1086.4	1166.7	1214.3
37°	742.6	859.7	971.6	1070.4	1150.1	1198.3
37.5°	731.8	846.2	956.8	1053.8	1132.8	1181.7
38°	721.3	832.9	940.5	1036.8	1114.5	1164.4
38.5°	710.5	819.3	924.7	1018.7	1095.7	1145.9
39°	699.5	805.3	907.4	999.6	1075.9	1127.0
39.5°	687.9	790.5	890.8	979.6	1054.8	1106.7
40°	676.1	775.9	872.7	959.0	1032.8	1085.2
40.5°	663.6	760.9	855.2	939.2	1010.7	1062.8
41°	651.3	745.8	837.4	918.1	988.1	1040.3
41.5°	638.5	731.1	819.3	897.3	965.3	1017.5
42°	625.5	715.3	801.5	876.5	942.0	993.6
42.5°	612.9	699.7	783.2	855.7	919.6	970.6
43°	599.9	684.2	764.4	834.4	897.3	947.5
43.5°	586.8	668.9	746.1	813.3	874.5	924.2

TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	547.5	621.0	690.2	750.9	808.0	855.4
45.5°	534.4	605.7	671.6	730.5	786.5	833.6
46°	521.1	589.6	653.1	709.7	764.7	811.3
46.5°	508.1	574.3	635.0	690.2	743.8	788.2
47°	494.6	558.5	616.9	670.4	722.5	766.9
47.5°	481.0	542.5	598.1	651.0	701.5	744.3
48°	468.0	526.9	580.3	631.7	680.9	723.3
48.5°	454.9	511.4	563.0	613.4	661.1	702.7
49°	441.4	496.6	546.0	594.6	641.0	681.4
49.5°	428.6	480.8	528.7	576.3	622.0	661.3
50°	415.6	465.5	511.4	558.5	602.1	640.8
50.5°	402.5	450.2	495.6	540.7	583.8	620.2
51°	389.7	435.4	479.0	523.6	565.3	601.4
51.5°	377.7	420.3	463.5	506.6	547.0	582.1
52°	364.4	406.3	448.2	490.3	529.4	562.8
52.5°	351.9	392.2	432.9	474.2	512.1	545.2
53°	339.6	377.7	417.8	458.2	495.1	526.4
53.5°	327.5	363.9	403.3	442.9	478.8	509.1
54°	315.2	350.9	389.2	427.3	462.2	491.3
54.5°	303.7	337.6	375.2	413.1	446.7	474.2
55°	291.9	324.5	361.6	398.3	431.4	458.7
55.5°	280.1	312.2	348.6	384.5	416.3	442.1
56°	268.8	299.9	335.3	370.7	401.8	427.1
56.5°	257.8	287.9	322.8	357.4	387.0	411.3
57°	247.0	276.4	310.2	344.1	373.2	396.7
57.5°	236.5	264.8	298.4	331.3	359.6	382.5
58°	226.2	253.8	286.7	319.3	346.6	368.2
58.5°	216.7	242.8	274.9	307.0	333.6	354.6
59°	206.9	232.5	264.3	295.2	321.0	340.8
59.5°	197.1	222.2	252.8	283.6	309.2	327.8
60°	187.6	212.2	242.8	272.6	297.2	314.2
60.5°	178.8	202.6	232.5	261.6	286.2	301.4
61°	170.3	193.1	222.5	250.8	274.4	289.4
61.5°	161.8	184.1	212.9	241.0	263.6	277.4
62°	153.5	175.3	203.6	231.0	253.0	265.6
62.5°	145.7	166.8	194.4	221.2	242.5	254.0
63°	138.2	158.2	185.6	211.7	232.2	243.3
63.5°	130.9	150.2	176.8	202.9	222.2	232.5
64°	123.9	142.7	168.5	193.9	212.4	221.7
64.5°	117.4	135.2	160.8	185.3	203.4	211.4
65°	111.1	128.2	153.0	176.8	194.1	201.9
65.5°	104.8	121.4	145.5	169.0	185.3	192.6
66°	99.1	114.6	137.9	161.3	176.6	183.1



TEST NUMBER: P776087

CATALOG NUMBER: HCDJBL5125CSD-HCD6TRH-HCD6TRLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	83.3	96.3	118.1	139.4	152.7	157.7
68°	78.5	91.0	111.6	132.4	145.5	149.7
68.5°	73.7	86.0	105.6	125.9	138.2	142.2
69°	69.7	81.3	99.8	119.4	131.4	134.7
69.5°	65.5	76.5	94.3	113.4	124.4	127.4
70°	61.7	71.5	89.3	107.3	118.1	120.6
70.5°	57.9	66.7	84.3	101.6	111.9	114.1
71°	54.7	62.7	79.5	96.1	106.1	107.6
71.5°	51.2	58.7	74.7	90.8	100.1	101.3
72°	48.2	54.7	69.7	86.0	94.5	95.6
72.5°	45.1	51.2	65.5	81.3	89.0	89.3
73°	42.4	47.7	61.2	76.5	84.3	84.3
73.5°	39.6	44.6	57.4	71.7	79.5	79.2
74°	37.1	41.4	53.7	67.0	74.5	74.2
74.5°	34.6	38.4	50.2	62.7	69.7	69.2
75°	32.4	35.6	46.4	58.7	65.5	64.7
75.5°	30.3	32.9	43.1	54.7	61.2	59.9
76°	28.3	30.3	39.9	50.9	56.9	55.7
76.5°	26.6	27.8	36.9	47.1	52.9	51.7
77°	24.8	25.8	34.1	43.6	49.4	47.7
77.5°	23.1	23.8	31.3	40.4	45.9	43.9
78°	21.6	21.8	28.8	37.4	42.4	40.4
78.5°	20.1	20.1	26.3	34.4	39.1	36.9
79°	18.8	18.3	24.1	31.3	35.9	33.6
79.5°	17.3	16.6	22.1	28.6	32.9	30.3
80°	15.8	15.0	19.8	26.1	30.1	27.3
80.5°	14.5	13.8	18.1	23.6	27.3	24.6
81°	13.3	12.3	16.1	21.3	24.6	21.8
81.5°	12.0	11.0	14.5	19.1	22.1	19.1
82°	10.8	9.8	12.8	16.8	19.8	16.6
82.5°	9.8	8.8	11.3	15.0	17.6	14.3
83°	8.5	7.8	9.8	13.0	15.5	12.0
83.5°	7.5	6.5	8.5	11.3	13.5	9.8
84°	6.5	5.5	7.3	9.8	11.8	8.0
84.5°	5.5	4.5	6.0	8.3	10.0	6.3
85°	4.5	3.8	4.8	7.0	8.8	4.5
85.5°	3.5	2.8	3.8	5.5	7.3	2.8
86°	2.8	2.0	2.8	4.0	5.8	2.0
86.5°	2.0	1.3	1.8	2.8	4.5	1.5
87°	1.0	0.5	0.8	1.8	3.0	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: P776087

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRH-HCD6TRLWW-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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Scaled Data Report



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Scaled Data Report





21.5°	1453.1	1440.3	1385.1	1292.8	1172.9	1047.5	941.2	873.5	851.2	875.0	943.0
22°	1450.6	1437.5	1381.6	1288.1	1166.7	1039.0	930.9	862.2	839.6	864.2	932.7



44°	901.3	924.4	907.4	842.9	739.3	604.4	488.5	422.8	401.3	421.3	482.8
44.5°	878.8	901.8	887.8	825.8	725.3	593.1	479.3	413.8	392.2	412.3	472.2



66.5°	174.0	185.3	184.8	168.0	147.7	116.4	101.6	96.3	88.3	86.3	82.8
67°	165.8	176.8	175.8	159.8	139.9	109.8	97.3	92.3	84.0	82.3	79.2



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

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21.5°	1043.3	1148.6	1258.5	1352.5	1421.5	1453.1
22°	1034.3	1142.1	1252.7	1348.2	1418.0	1450.6



44°	573.6	653.1	727.5	792.2	851.9	901.3
44.5°	560.5	637.0	709.0	771.4	830.1	878.8

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66.5°	93.3	108.3	131.2	153.7	168.5	174.0
67°	88.0	102.1	124.4	146.2	160.5	165.8

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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)