

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: P776119

Luminaire Tested: HCDJBS1525CSD-HCD6TSQMB-2500lm-5000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B015-HCD6TSQMB)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K
Description: 6 INCH SQUARE MEDIUM MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 5000K CCT
Ballast/Driver: -

Summary

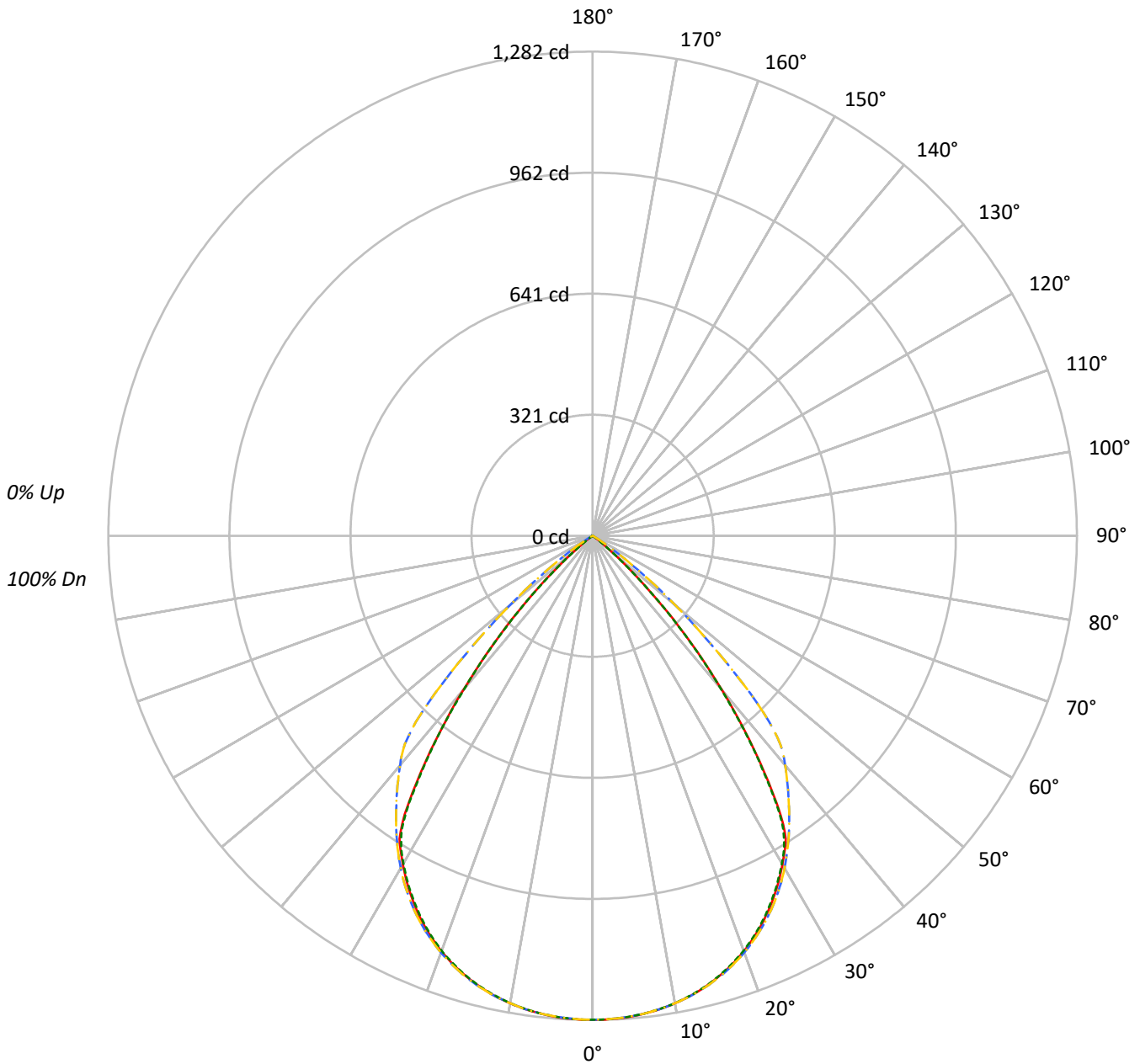
Lumens per Lamp: N/A
Luminaire Lumens: 1849.0 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{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: P776119
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K

Luminous Intensity Polar Plot





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CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMB-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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																			
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																			
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77																			
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70																			
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64																			
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58																			
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53																			
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49																			
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45																			
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	55172	55172	55172	55172
5°	55149	55123	55149	55123
10°	54960	54925	54960	54925
15°	54492	54448	54492	54448
20°	53626	53553	53626	53553
25°	52153	52020	52153	52020
30°	49960	49806	49960	49806
35°	43731	43442	43731	43442
40°	29856	29671	29856	29671
45°	15545	15563	15545	15563
50°	4528	4481	4528	4481
55°	135	173	135	173
60°	43	43	43	43
65°	31	31	31	31
70°	38	38	38	38
75°	0	50	0	50
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 35949 cd/sqm



TEST NUMBER: P776119

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.2	6.6
10°-20°	344.6	18.6
20°-30°	505.8	27.4
30°-40°	536.7	29.0
40°-50°	299.6	16.2
50°-60°	40.5	2.2
60°-70°	0.5	0.0
70°-80°	0.2	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°	971.5	52.5
0°-40°	1508.2	81.6
0°-60°	1848.4	100.0
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1281	1281	1281	1281	1281	
5°	1276	1275	1276	1275	1276	121
15°	1222	1222	1222	1222	1222	344
25°	1098	1095	1098	1095	1098	504
35°	832	826	832	826	832	502
45°	255	256	255	256	255	204
55°	2	2	2	2	2	11
65°	0	0	0	0	0	0
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°	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4
0.5°	1281.9	1281.4	1281.4	1281.1	1281.4	1281.1	1281.4	1281.4	1281.9	1281.4	1281.4
1°	1281.6	1281.4	1281.1	1281.1	1281.4	1281.1	1281.1	1281.4	1281.6	1281.4	1281.1
1.5°	1281.4	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9	1280.9	1281.4	1280.9	1280.9
2°	1280.9	1280.6	1280.3	1280.3	1280.6	1280.3	1280.3	1280.6	1280.9	1280.6	1280.3
2.5°	1280.3	1280.1	1279.8	1279.8	1280.1	1279.8	1279.8	1280.1	1280.3	1280.1	1279.8
3°	1279.8	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.3	1279.8	1279.3	1279.3
3.5°	1279.1	1278.8	1278.5	1278.5	1278.5	1278.5	1278.5	1278.8	1279.1	1278.8	1278.5
4°	1278.3	1277.8	1277.5	1277.5	1277.8	1277.5	1277.5	1277.8	1278.3	1277.8	1277.5
4.5°	1277.2	1276.7	1276.7	1276.5	1276.7	1276.5	1276.7	1276.7	1277.2	1276.7	1276.7
5°	1276.0	1275.7	1275.4	1275.4	1275.4	1275.4	1275.4	1275.7	1276.0	1275.7	1275.4
5.5°	1274.7	1274.4	1274.2	1274.2	1274.2	1274.2	1274.2	1274.4	1274.7	1274.4	1274.2
6°	1273.4	1273.1	1272.9	1272.6	1272.9	1272.6	1272.9	1273.1	1273.4	1273.1	1272.9
6.5°	1271.8	1271.6	1271.3	1271.3	1271.3	1271.3	1271.3	1271.6	1271.8	1271.6	1271.3
7°	1270.3	1270.0	1269.8	1269.5	1269.5	1269.5	1269.8	1270.0	1270.3	1270.0	1269.8
7.5°	1268.5	1268.2	1268.0	1267.7	1267.7	1267.7	1268.0	1268.2	1268.5	1268.2	1268.0
8°	1266.4	1266.1	1266.1	1265.9	1265.9	1265.9	1266.1	1266.1	1266.4	1266.1	1266.1
8.5°	1264.3	1264.1	1264.1	1263.8	1263.6	1263.8	1264.1	1264.1	1264.3	1264.1	1264.1
9°	1262.0	1262.0	1261.8	1261.5	1261.2	1261.5	1261.8	1262.0	1262.0	1262.0	1261.8
9.5°	1259.7	1259.7	1259.4	1259.2	1258.9	1259.2	1259.4	1259.7	1259.7	1259.7	1259.4
10°	1257.1	1257.1	1257.1	1256.6	1256.3	1256.6	1257.1	1257.1	1257.1	1257.1	1257.1
10.5°	1254.5	1254.5	1254.5	1254.0	1253.8	1254.0	1254.5	1254.5	1254.5	1254.5	1254.5
11°	1251.4	1251.7	1251.7	1251.2	1250.7	1251.2	1251.7	1251.7	1251.4	1251.7	1251.7
11.5°	1248.6	1248.9	1248.9	1248.1	1247.6	1248.1	1248.9	1248.9	1248.6	1248.9	1248.9
12°	1245.5	1245.8	1245.8	1245.0	1244.5	1245.0	1245.8	1245.8	1245.5	1245.8	1245.8
12.5°	1242.1	1242.4	1242.7	1241.6	1241.1	1241.6	1242.7	1242.4	1242.1	1242.4	1242.7
13°	1238.5	1239.0	1239.3	1238.3	1237.5	1238.3	1239.3	1239.0	1238.5	1239.0	1239.3
13.5°	1234.9	1235.4	1235.7	1234.7	1233.9	1234.7	1235.7	1235.4	1234.9	1235.4	1235.7
14°	1230.8	1231.6	1232.1	1230.8	1230.0	1230.8	1232.1	1231.6	1230.8	1231.6	1232.1
14.5°	1226.9	1227.7	1228.2	1226.9	1225.9	1226.9	1228.2	1227.7	1226.9	1227.7	1228.2
15°	1222.5	1223.6	1224.1	1222.8	1221.5	1222.8	1224.1	1223.6	1222.5	1223.6	1224.1
15.5°	1218.4	1219.2	1219.9	1218.4	1217.1	1218.4	1219.9	1219.2	1218.4	1219.2	1219.9
16°	1213.7	1214.8	1215.6	1214.0	1212.5	1214.0	1215.6	1214.8	1213.7	1214.8	1215.6
16.5°	1209.1	1210.1	1210.9	1209.4	1207.8	1209.4	1210.9	1210.1	1209.1	1210.1	1210.9
17°	1203.9	1205.5	1206.3	1204.5	1202.6	1204.5	1206.3	1205.5	1203.9	1205.5	1206.3
17.5°	1199.0	1200.3	1201.4	1199.5	1197.5	1199.5	1201.4	1200.3	1199.0	1200.3	1201.4
18°	1193.6	1195.2	1196.2	1194.1	1192.1	1194.1	1196.2	1195.2	1193.6	1195.2	1196.2
18.5°	1188.2	1190.0	1191.0	1189.0	1186.6	1189.0	1191.0	1190.0	1188.2	1190.0	1191.0
19°	1182.5	1184.3	1185.6	1183.0	1180.7	1183.0	1185.6	1184.3	1182.5	1184.3	1185.6
19.5°	1176.6	1178.6	1179.9	1177.4	1175.0	1177.4	1179.9	1178.6	1176.6	1178.6	1179.9
20°	1170.4	1172.7	1174.3	1171.4	1168.8	1171.4	1174.3	1172.7	1170.4	1172.7	1174.3
20.5°	1164.2	1166.8	1168.3	1165.2	1162.4	1165.2	1168.3	1166.8	1164.2	1166.8	1168.3
21°	1157.7	1160.3	1162.1	1159.0	1155.7	1159.0	1162.1	1160.3	1157.7	1160.3	1162.1



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CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1136.8	1140.2	1142.2	1138.6	1134.5	1138.6	1142.2	1140.2	1136.8	1140.2	1142.2
23°	1129.6	1133.0	1135.3	1131.4	1127.0	1131.4	1135.3	1133.0	1129.6	1133.0	1135.3
23.5°	1122.1	1125.7	1128.3	1123.9	1119.3	1123.9	1128.3	1125.7	1122.1	1125.7	1128.3
24°	1114.1	1118.2	1120.8	1116.2	1111.5	1116.2	1120.8	1118.2	1114.1	1118.2	1120.8
24.5°	1106.1	1110.2	1113.3	1108.4	1103.5	1108.4	1113.3	1110.2	1106.1	1110.2	1113.3
25°	1097.8	1102.2	1105.3	1100.2	1095.0	1100.2	1105.3	1102.2	1097.8	1102.2	1105.3
25.5°	1089.6	1094.0	1097.6	1091.9	1086.5	1091.9	1097.6	1094.0	1089.6	1094.0	1097.6
26°	1081.1	1085.7	1089.3	1083.6	1077.7	1083.6	1089.3	1085.7	1081.1	1085.7	1089.3
26.5°	1072.3	1076.9	1080.8	1074.9	1068.9	1074.9	1080.8	1076.9	1072.3	1076.9	1080.8
27°	1063.0	1068.4	1072.3	1066.1	1059.9	1066.1	1072.3	1068.4	1063.0	1068.4	1072.3
27.5°	1053.7	1059.4	1063.5	1056.8	1050.9	1056.8	1063.5	1059.4	1053.7	1059.4	1063.5
28°	1044.4	1050.1	1054.5	1047.8	1041.1	1047.8	1054.5	1050.1	1044.4	1050.1	1054.5
28.5°	1034.9	1040.8	1045.2	1038.5	1031.5	1038.5	1045.2	1040.8	1034.9	1040.8	1045.2
29°	1025.1	1031.5	1035.6	1028.9	1021.7	1028.9	1035.6	1031.5	1025.1	1031.5	1035.6
29.5°	1015.2	1021.7	1026.1	1019.4	1011.9	1019.4	1026.1	1021.7	1015.2	1021.7	1026.1
30°	1004.9	1011.9	1016.0	1009.6	1001.8	1009.6	1016.0	1011.9	1004.9	1011.9	1016.0
30.5°	994.8	1002.1	1005.9	999.8	991.5	999.8	1005.9	1002.1	994.8	1002.1	1005.9
31°	984.3	992.0	995.6	989.7	980.9	989.7	995.6	992.0	984.3	992.0	995.6
31.5°	973.7	981.9	985.0	979.4	970.1	979.4	985.0	981.9	973.7	981.9	985.0
32°	962.8	971.4	974.5	969.0	956.4	969.0	974.5	971.4	962.8	971.4	974.5
32.5°	951.5	960.8	963.6	958.5	942.4	958.5	963.6	960.8	951.5	960.8	963.6
33°	933.2	950.2	952.5	947.9	927.2	947.9	952.5	950.2	933.2	950.2	952.5
33.5°	913.3	939.6	941.4	937.0	906.6	937.0	941.4	939.6	913.3	939.6	941.4
34°	889.0	928.8	930.1	923.9	883.6	923.9	930.1	928.8	889.0	928.8	930.1
34.5°	860.9	917.2	918.7	909.4	856.2	909.4	918.7	917.2	860.9	917.2	918.7
35°	832.0	899.9	907.3	894.7	826.5	894.7	907.3	899.9	832.0	899.9	907.3
35.5°	803.1	882.8	896.0	876.1	796.6	876.1	896.0	882.8	803.1	882.8	896.0
36°	773.1	859.8	884.4	855.5	766.9	855.5	884.4	859.8	773.1	859.8	884.4
36.5°	742.9	835.6	873.0	830.4	737.7	830.4	873.0	835.6	742.9	835.6	873.0
37°	712.2	808.0	861.7	803.8	707.8	803.8	861.7	808.0	712.2	808.0	861.7
37.5°	682.5	780.3	850.0	775.7	678.4	775.7	850.0	780.3	682.5	780.3	850.0
38°	651.5	751.9	838.7	747.0	648.7	747.0	838.7	751.9	651.5	751.9	838.7
38.5°	621.6	723.6	827.1	718.9	618.7	718.9	827.1	723.6	621.6	723.6	827.1
39°	591.6	694.6	816.0	691.0	588.3	691.0	816.0	694.6	591.6	694.6	816.0
39.5°	561.7	666.2	804.6	663.1	558.1	663.1	804.6	666.2	561.7	666.2	804.6
40°	531.2	637.3	793.2	635.0	527.9	635.0	793.2	637.3	531.2	637.3	793.2
40.5°	501.6	608.9	781.9	606.6	498.5	606.6	781.9	608.9	501.6	608.9	781.9
41°	472.6	580.5	770.3	578.5	469.3	578.5	770.3	580.5	472.6	580.5	770.3
41.5°	443.7	552.1	757.4	549.8	441.4	549.8	757.4	552.1	443.7	552.1	757.4
42°	414.8	523.8	742.9	521.4	413.3	521.4	742.9	523.8	414.8	523.8	742.9
42.5°	387.2	495.9	724.1	493.3	385.4	493.3	724.1	495.9	387.2	495.9	724.1
43°	359.6	467.7	702.6	465.7	358.3	465.7	702.6	467.7	359.6	467.7	702.6
43.5°	332.7	440.4	679.7	438.6	331.2	438.6	679.7	440.4	332.7	440.4	679.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	255.3	360.6	590.4	359.6	255.6	359.6	590.4	360.6	255.3	360.6	590.4
45.5°	232.1	334.8	556.8	334.0	232.1	334.0	556.8	334.8	232.1	334.8	556.8
46°	209.3	309.5	523.5	308.7	209.3	308.7	523.5	309.5	209.3	309.5	523.5
46.5°	186.9	284.7	490.7	283.9	186.4	283.9	490.7	284.7	186.9	284.7	490.7
47°	164.9	260.5	457.9	260.5	164.2	260.5	457.9	260.5	164.9	260.5	457.9
47.5°	143.8	237.5	426.7	237.7	144.0	237.7	426.7	237.5	143.8	237.5	426.7
48°	125.2	215.3	396.5	215.3	125.2	215.3	396.5	215.3	125.2	215.3	396.5
48.5°	108.2	193.6	367.3	193.3	107.9	193.3	367.3	193.6	108.2	193.6	367.3
49°	94.0	172.2	338.9	171.9	91.6	171.9	338.9	172.2	94.0	172.2	338.9
49.5°	80.5	151.5	311.3	151.5	79.0	151.5	311.3	151.5	80.5	151.5	311.3
50°	67.6	132.7	284.5	132.7	66.9	132.7	284.5	132.7	67.6	132.7	284.5
50.5°	55.8	116.2	258.7	114.6	55.2	114.6	258.7	116.2	55.8	116.2	258.7
51°	45.7	100.4	235.4	98.1	45.7	98.1	235.4	100.4	45.7	100.4	235.4
51.5°	36.7	86.7	212.7	84.7	35.9	84.7	212.7	86.7	36.7	86.7	212.7
52°	29.2	73.3	190.5	71.8	27.6	71.8	190.5	73.3	29.2	73.3	190.5
52.5°	21.9	60.9	168.8	59.4	19.6	59.4	168.8	60.9	21.9	60.9	168.8
53°	14.7	49.8	148.7	48.8	12.1	48.8	148.7	49.8	14.7	49.8	148.7
53.5°	9.8	39.8	130.4	38.2	7.2	38.2	130.4	39.8	9.8	39.8	130.4
54°	4.6	32.0	113.3	29.7	4.1	29.7	113.3	32.0	4.6	32.0	113.3
54.5°	2.8	24.5	98.6	21.9	3.1	21.9	98.6	24.5	2.8	24.5	98.6
55°	1.8	17.0	84.7	14.5	2.3	14.5	84.7	17.0	1.8	17.0	84.7
55.5°	0.8	10.8	71.8	9.8	1.5	9.8	71.8	10.8	0.8	10.8	71.8
56°	0.5	4.6	59.9	7.2	0.8	7.2	59.9	4.6	0.5	4.6	59.9
56.5°	0.5	2.3	48.5	4.4	0.5	4.4	48.5	2.3	0.5	2.3	48.5
57°	0.5	1.3	39.5	2.3	0.5	2.3	39.5	1.3	0.5	1.3	39.5
57.5°	0.5	1.0	31.8	1.0	0.5	1.0	31.8	1.0	0.5	1.0	31.8
58°	0.5	0.5	25.6	0.5	0.5	0.5	25.6	0.5	0.5	0.5	25.6
58.5°	0.5	0.5	19.9	0.5	0.5	0.5	19.9	0.5	0.5	0.5	19.9
59°	0.5	0.5	14.7	0.5	0.5	0.5	14.7	0.5	0.5	0.5	14.7
59.5°	0.5	0.5	10.8	0.5	0.5	0.5	10.8	0.5	0.5	0.5	10.8
60°	0.5	0.5	7.5	0.5	0.5	0.5	7.5	0.5	0.5	0.5	7.5
60.5°	0.5	0.5	5.2	0.5	0.5	0.5	5.2	0.5	0.5	0.5	5.2
61°	0.5	0.5	3.4	0.5	0.5	0.5	3.4	0.5	0.5	0.5	3.4
61.5°	0.5	0.5	2.1	0.5	0.5	0.5	2.1	0.5	0.5	0.5	2.1
62°	0.3	0.3	1.0	0.5	0.5	0.5	1.0	0.3	0.3	0.3	1.0
62.5°	0.3	0.3	0.8	0.3	0.3	0.3	0.8	0.3	0.3	0.3	0.8
63°	0.3	0.3	0.5	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.5
63.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P776119

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K

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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.0	0.3	0.3	0.3	0.0	0.3	0.3	0.3	0.0
75°	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.3	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: P776119

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P776119

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4
0.5°	1281.1	1281.4	1281.1	1281.4	1281.4	1281.9
1°	1281.1	1281.4	1281.1	1281.1	1281.4	1281.6
1.5°	1280.9	1280.9	1280.9	1280.9	1280.9	1281.4
2°	1280.3	1280.6	1280.3	1280.3	1280.6	1280.9
2.5°	1279.8	1280.1	1279.8	1279.8	1280.1	1280.3
3°	1279.3	1279.3	1279.3	1279.3	1279.3	1279.8
3.5°	1278.5	1278.5	1278.5	1278.5	1278.8	1279.1
4°	1277.5	1277.8	1277.5	1277.5	1277.8	1278.3
4.5°	1276.5	1276.7	1276.5	1276.7	1276.7	1277.2
5°	1275.4	1275.4	1275.4	1275.4	1275.7	1276.0
5.5°	1274.2	1274.2	1274.2	1274.2	1274.4	1274.7
6°	1272.6	1272.9	1272.6	1272.9	1273.1	1273.4
6.5°	1271.3	1271.3	1271.3	1271.3	1271.6	1271.8
7°	1269.5	1269.5	1269.5	1269.8	1270.0	1270.3
7.5°	1267.7	1267.7	1267.7	1268.0	1268.2	1268.5
8°	1265.9	1265.9	1265.9	1266.1	1266.1	1266.4
8.5°	1263.8	1263.6	1263.8	1264.1	1264.1	1264.3
9°	1261.5	1261.2	1261.5	1261.8	1262.0	1262.0
9.5°	1259.2	1258.9	1259.2	1259.4	1259.7	1259.7
10°	1256.6	1256.3	1256.6	1257.1	1257.1	1257.1
10.5°	1254.0	1253.8	1254.0	1254.5	1254.5	1254.5
11°	1251.2	1250.7	1251.2	1251.7	1251.7	1251.4
11.5°	1248.1	1247.6	1248.1	1248.9	1248.9	1248.6
12°	1245.0	1244.5	1245.0	1245.8	1245.8	1245.5
12.5°	1241.6	1241.1	1241.6	1242.7	1242.4	1242.1
13°	1238.3	1237.5	1238.3	1239.3	1239.0	1238.5
13.5°	1234.7	1233.9	1234.7	1235.7	1235.4	1234.9
14°	1230.8	1230.0	1230.8	1232.1	1231.6	1230.8
14.5°	1226.9	1225.9	1226.9	1228.2	1227.7	1226.9
15°	1222.8	1221.5	1222.8	1224.1	1223.6	1222.5
15.5°	1218.4	1217.1	1218.4	1219.9	1219.2	1218.4
16°	1214.0	1212.5	1214.0	1215.6	1214.8	1213.7
16.5°	1209.4	1207.8	1209.4	1210.9	1210.1	1209.1
17°	1204.5	1202.6	1204.5	1206.3	1205.5	1203.9
17.5°	1199.5	1197.5	1199.5	1201.4	1200.3	1199.0
18°	1194.1	1192.1	1194.1	1196.2	1195.2	1193.6
18.5°	1189.0	1186.6	1189.0	1191.0	1190.0	1188.2
19°	1183.0	1180.7	1183.0	1185.6	1184.3	1182.5
19.5°	1177.4	1175.0	1177.4	1179.9	1178.6	1176.6
20°	1171.4	1168.8	1171.4	1174.3	1172.7	1170.4
20.5°	1165.2	1162.4	1165.2	1168.3	1166.8	1164.2
21°	1159.0	1155.7	1159.0	1162.1	1160.3	1157.7



TEST NUMBER: P776119

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TSQMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1138.6	1134.5	1138.6	1142.2	1140.2	1136.8
23°	1131.4	1127.0	1131.4	1135.3	1133.0	1129.6
23.5°	1123.9	1119.3	1123.9	1128.3	1125.7	1122.1
24°	1116.2	1111.5	1116.2	1120.8	1118.2	1114.1
24.5°	1108.4	1103.5	1108.4	1113.3	1110.2	1106.1
25°	1100.2	1095.0	1100.2	1105.3	1102.2	1097.8
25.5°	1091.9	1086.5	1091.9	1097.6	1094.0	1089.6
26°	1083.6	1077.7	1083.6	1089.3	1085.7	1081.1
26.5°	1074.9	1068.9	1074.9	1080.8	1076.9	1072.3
27°	1066.1	1059.9	1066.1	1072.3	1068.4	1063.0
27.5°	1056.8	1050.9	1056.8	1063.5	1059.4	1053.7
28°	1047.8	1041.1	1047.8	1054.5	1050.1	1044.4
28.5°	1038.5	1031.5	1038.5	1045.2	1040.8	1034.9
29°	1028.9	1021.7	1028.9	1035.6	1031.5	1025.1
29.5°	1019.4	1011.9	1019.4	1026.1	1021.7	1015.2
30°	1009.6	1001.8	1009.6	1016.0	1011.9	1004.9
30.5°	999.8	991.5	999.8	1005.9	1002.1	994.8
31°	989.7	980.9	989.7	995.6	992.0	984.3
31.5°	979.4	970.1	979.4	985.0	981.9	973.7
32°	969.0	956.4	969.0	974.5	971.4	962.8
32.5°	958.5	942.4	958.5	963.6	960.8	951.5
33°	947.9	927.2	947.9	952.5	950.2	933.2
33.5°	937.0	906.6	937.0	941.4	939.6	913.3
34°	923.9	883.6	923.9	930.1	928.8	889.0
34.5°	909.4	856.2	909.4	918.7	917.2	860.9
35°	894.7	826.5	894.7	907.3	899.9	832.0
35.5°	876.1	796.6	876.1	896.0	882.8	803.1
36°	855.5	766.9	855.5	884.4	859.8	773.1
36.5°	830.4	737.7	830.4	873.0	835.6	742.9
37°	803.8	707.8	803.8	861.7	808.0	712.2
37.5°	775.7	678.4	775.7	850.0	780.3	682.5
38°	747.0	648.7	747.0	838.7	751.9	651.5
38.5°	718.9	618.7	718.9	827.1	723.6	621.6
39°	691.0	588.3	691.0	816.0	694.6	591.6
39.5°	663.1	558.1	663.1	804.6	666.2	561.7
40°	635.0	527.9	635.0	793.2	637.3	531.2
40.5°	606.6	498.5	606.6	781.9	608.9	501.6
41°	578.5	469.3	578.5	770.3	580.5	472.6
41.5°	549.8	441.4	549.8	757.4	552.1	443.7
42°	521.4	413.3	521.4	742.9	523.8	414.8
42.5°	493.3	385.4	493.3	724.1	495.9	387.2
43°	465.7	358.3	465.7	702.6	467.7	359.6
43.5°	438.6	331.2	438.6	679.7	440.4	332.7



TEST NUMBER: P776119

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	359.6	255.6	359.6	590.4	360.6	255.3
45.5°	334.0	232.1	334.0	556.8	334.8	232.1
46°	308.7	209.3	308.7	523.5	309.5	209.3
46.5°	283.9	186.4	283.9	490.7	284.7	186.9
47°	260.5	164.2	260.5	457.9	260.5	164.9
47.5°	237.7	144.0	237.7	426.7	237.5	143.8
48°	215.3	125.2	215.3	396.5	215.3	125.2
48.5°	193.3	107.9	193.3	367.3	193.6	108.2
49°	171.9	91.6	171.9	338.9	172.2	94.0
49.5°	151.5	79.0	151.5	311.3	151.5	80.5
50°	132.7	66.9	132.7	284.5	132.7	67.6
50.5°	114.6	55.2	114.6	258.7	116.2	55.8
51°	98.1	45.7	98.1	235.4	100.4	45.7
51.5°	84.7	35.9	84.7	212.7	86.7	36.7
52°	71.8	27.6	71.8	190.5	73.3	29.2
52.5°	59.4	19.6	59.4	168.8	60.9	21.9
53°	48.8	12.1	48.8	148.7	49.8	14.7
53.5°	38.2	7.2	38.2	130.4	39.8	9.8
54°	29.7	4.1	29.7	113.3	32.0	4.6
54.5°	21.9	3.1	21.9	98.6	24.5	2.8
55°	14.5	2.3	14.5	84.7	17.0	1.8
55.5°	9.8	1.5	9.8	71.8	10.8	0.8
56°	7.2	0.8	7.2	59.9	4.6	0.5
56.5°	4.4	0.5	4.4	48.5	2.3	0.5
57°	2.3	0.5	2.3	39.5	1.3	0.5
57.5°	1.0	0.5	1.0	31.8	1.0	0.5
58°	0.5	0.5	0.5	25.6	0.5	0.5
58.5°	0.5	0.5	0.5	19.9	0.5	0.5
59°	0.5	0.5	0.5	14.7	0.5	0.5
59.5°	0.5	0.5	0.5	10.8	0.5	0.5
60°	0.5	0.5	0.5	7.5	0.5	0.5
60.5°	0.5	0.5	0.5	5.2	0.5	0.5
61°	0.5	0.5	0.5	3.4	0.5	0.5
61.5°	0.5	0.5	0.5	2.1	0.5	0.5
62°	0.5	0.5	0.5	1.0	0.3	0.3
62.5°	0.3	0.3	0.3	0.8	0.3	0.3
63°	0.3	0.3	0.3	0.5	0.3	0.3
63.5°	0.3	0.3	0.3	0.3	0.3	0.3
64°	0.3	0.3	0.3	0.3	0.3	0.3
64.5°	0.3	0.3	0.3	0.3	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3	0.3
65.5°	0.3	0.3	0.3	0.3	0.3	0.3
66°	0.3	0.3	0.3	0.3	0.3	0.3



TEST NUMBER: P776119
 CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-5000K

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	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.3	0.0	0.3	0.3
75°	0.3	0.3	0.3	0.0	0.0	0.0
75.5°	0.3	0.3	0.3	0.0	0.0	0.0
76°	0.0	0.3	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: P776119

CATALOG NUMBER: HCDJBL1525CSD-HCD6TSQMB-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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°	1151.0	1153.9	1155.7	1152.3	1148.7	1152.3	1155.7	1153.9	1151.0	1153.9	1155.7
22°	1144.1	1147.1	1149.0	1145.6	1141.7	1145.6	1149.0	1147.1	1144.1	1147.1	1149.0



44°	306.1	413.0	651.8	411.7	304.9	411.7	651.8	413.0	306.1	413.0	651.8
44.5°	280.6	386.7	621.6	385.7	279.6	385.7	621.6	386.7	280.6	386.7	621.6



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



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°	1152.3	1148.7	1152.3	1155.7	1153.9	1151.0
22°	1145.6	1141.7	1145.6	1149.0	1147.1	1144.1



44°	411.7	304.9	411.7	651.8	413.0	306.1
44.5°	385.7	279.6	385.7	621.6	386.7	280.6

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Scaled Data Report



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

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1121 Highway 74 South
Peachtree City, GA 30269

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)