

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: P776216

Luminaire Tested: HCDJBL1525CSD-HCD8TSQMB-2500lm-3000K

Issue Date: 2/7/2024

Test Information

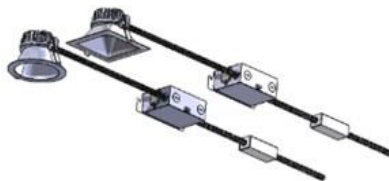
Test Method: LM-79-2019
Report Number: P776216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B024-HCD8TSQMB)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K
Description: 8 INCH SQUARE MEDIUM MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1811.7 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')

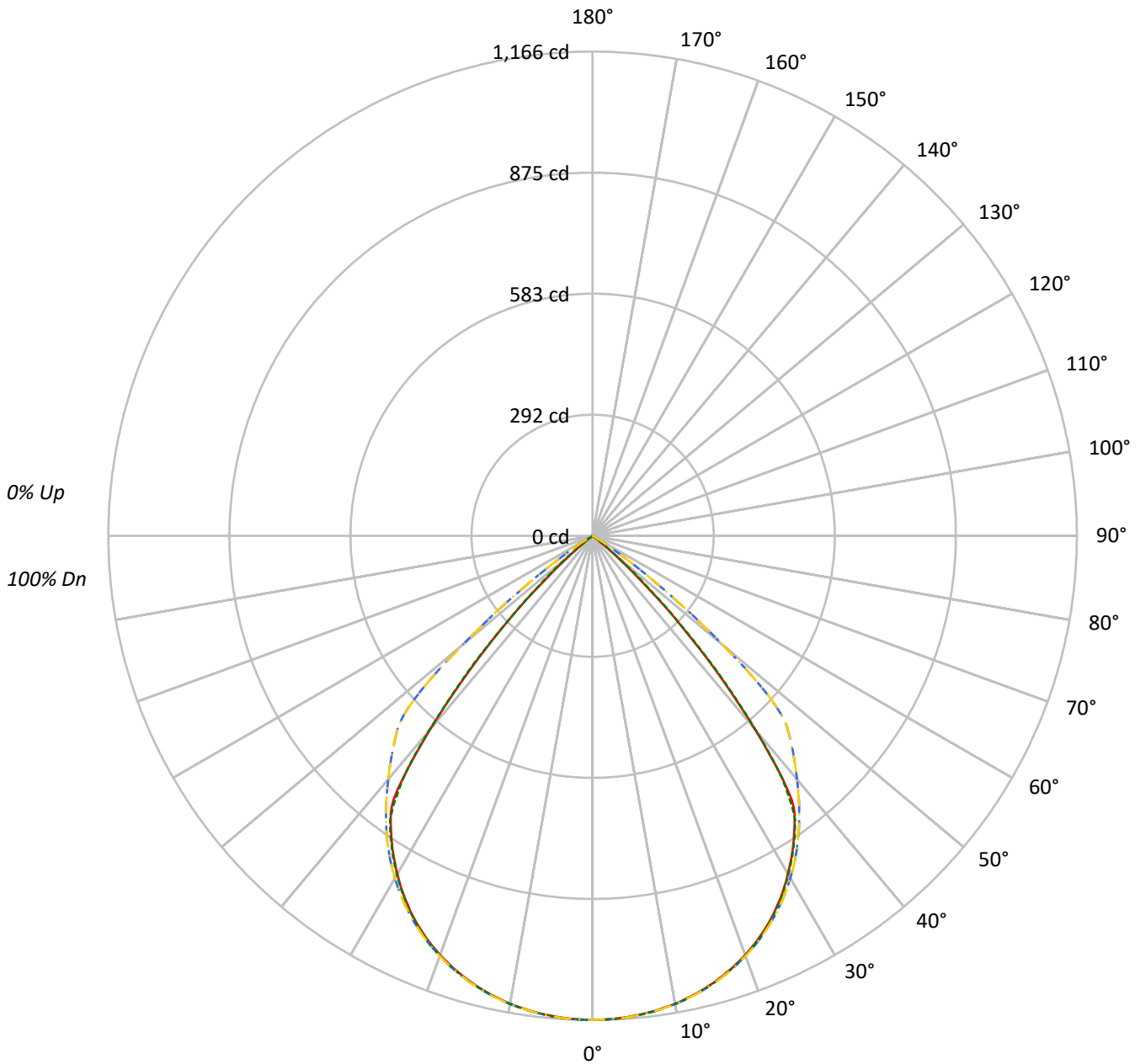
CIE Type: Direct

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



TEST NUMBER: P776216
CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P776216

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQMB-2500lm-3000K

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	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84					84			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76					76			
4	93	85	78	73	91	84	78	73	81	76	72	79	75	71	77	74	70	69					69			
5	88	78	71	66	86	77	71	66	75	70	65	73	68	65	72	67	64	62					62			
6	82	72	65	60	81	71	64	60	69	64	59	68	63	59	67	62	58	57					57			
7	77	66	59	55	76	66	59	54	64	58	54	63	58	54	62	57	53	52					52			
8	72	62	55	50	71	61	54	50	60	54	50	59	53	49	58	53	49	47					47			
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44					44			
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40					40			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27956	27956	27956	27956
5°	27926	27945	27926	27945
10°	27859	27876	27859	27876
15°	27699	27724	27699	27724
20°	27413	27439	27413	27439
25°	26899	26933	26899	26933
30°	26038	26093	26038	26093
35°	24811	24881	24811	24881
40°	19016	19178	19016	19178
45°	9431	9671	9431	9671
50°	2074	2525	2074	2525
55°	29	42	29	42
60°	24	34	24	34
65°	28	28	28	28
70°	14	14	14	14
75°	19	19	19	19
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 22588 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	6.1
10°-20°	314.9	17.4
20°-30°	468.9	25.9
30°-40°	530.4	29.3
40°-50°	338.5	18.7
50°-60°	48.0	2.7
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°	894.1	49.4
0°-40°	1424.6	78.6
0°-60°	1811.1	100.0
0°-90°	1811.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1811.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1166	1166	1166	1166	1166	
5°	1160	1161	1160	1161	1160	110
15°	1116	1117	1116	1117	1116	315
25°	1017	1018	1017	1018	1017	467
35°	848	850	848	850	848	514
45°	278	285	278	285	278	222
55°	1	1	1	1	1	7
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°	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9
0.5°	1165.4	1165.7	1165.9	1166.2	1166.2	1166.2	1165.9	1165.7	1165.4	1165.7	1165.9
1°	1165.2	1165.4	1165.7	1165.9	1165.9	1165.9	1165.7	1165.4	1165.2	1165.4	1165.7
1.5°	1164.9	1165.2	1165.4	1165.7	1165.7	1165.7	1165.4	1165.2	1164.9	1165.2	1165.4
2°	1164.7	1164.7	1165.2	1165.4	1165.2	1165.4	1165.2	1164.7	1164.7	1164.7	1165.2
2.5°	1164.2	1164.4	1164.7	1164.9	1164.9	1164.9	1164.7	1164.4	1164.2	1164.4	1164.7
3°	1163.7	1163.7	1164.2	1164.4	1164.2	1164.4	1164.2	1163.7	1163.7	1163.7	1164.2
3.5°	1162.9	1163.2	1163.4	1163.7	1163.7	1163.7	1163.4	1163.2	1162.9	1163.2	1163.4
4°	1162.2	1162.4	1162.7	1162.9	1162.7	1162.9	1162.7	1162.4	1162.2	1162.4	1162.7
4.5°	1161.2	1161.5	1161.7	1162.0	1162.0	1162.0	1161.7	1161.5	1161.2	1161.5	1161.7
5°	1160.2	1160.5	1161.0	1161.0	1161.0	1161.0	1161.0	1160.5	1160.2	1160.5	1161.0
5.5°	1159.2	1159.5	1159.7	1160.0	1159.7	1160.0	1159.7	1159.5	1159.2	1159.5	1159.7
6°	1158.0	1158.2	1158.5	1158.7	1158.7	1158.7	1158.5	1158.2	1158.0	1158.2	1158.5
6.5°	1156.8	1157.0	1157.3	1157.5	1157.3	1157.5	1157.3	1157.0	1156.8	1157.0	1157.3
7°	1155.3	1155.5	1156.0	1156.0	1156.0	1156.0	1156.0	1155.5	1155.3	1155.5	1156.0
7.5°	1153.8	1154.1	1154.3	1154.5	1154.3	1154.5	1154.3	1154.1	1153.8	1154.1	1154.3
8°	1152.1	1152.3	1152.8	1152.8	1152.8	1152.8	1152.8	1152.3	1152.1	1152.3	1152.8
8.5°	1150.3	1150.6	1151.1	1151.1	1150.8	1151.1	1151.1	1150.6	1150.3	1150.6	1151.1
9°	1148.4	1148.6	1149.1	1149.4	1149.1	1149.4	1149.1	1148.6	1148.4	1148.6	1149.1
9.5°	1146.4	1146.6	1147.1	1147.4	1146.9	1147.4	1147.1	1146.6	1146.4	1146.6	1147.1
10°	1144.2	1144.7	1145.2	1145.2	1144.9	1145.2	1145.2	1144.7	1144.2	1144.7	1145.2
10.5°	1142.0	1142.4	1142.9	1142.9	1142.7	1142.9	1142.9	1142.4	1142.0	1142.4	1142.9
11°	1139.5	1140.0	1140.7	1140.5	1140.2	1140.5	1140.7	1140.0	1139.5	1140.0	1140.7
11.5°	1137.0	1137.5	1138.2	1138.0	1137.8	1138.0	1138.2	1137.5	1137.0	1137.5	1138.2
12°	1134.3	1134.8	1135.5	1135.5	1135.0	1135.5	1135.5	1134.8	1134.3	1134.8	1135.5
12.5°	1131.6	1132.1	1132.8	1132.8	1132.3	1132.8	1132.8	1132.1	1131.6	1132.1	1132.8
13°	1128.6	1129.4	1130.1	1130.1	1129.6	1130.1	1130.1	1129.4	1128.6	1129.4	1130.1
13.5°	1125.7	1126.4	1127.1	1127.1	1126.6	1127.1	1127.1	1126.4	1125.7	1126.4	1127.1
14°	1122.4	1123.2	1123.9	1123.9	1123.4	1123.9	1123.9	1123.2	1122.4	1123.2	1123.9
14.5°	1119.2	1120.0	1120.7	1120.7	1120.2	1120.7	1120.7	1120.0	1119.2	1120.0	1120.7
15°	1115.8	1116.5	1117.5	1117.3	1116.8	1117.3	1117.5	1116.5	1115.8	1116.5	1117.5
15.5°	1112.3	1113.1	1114.0	1113.8	1113.3	1113.8	1114.0	1113.1	1112.3	1113.1	1114.0
16°	1108.6	1109.4	1110.3	1110.3	1109.6	1110.3	1110.3	1109.4	1108.6	1109.4	1110.3
16.5°	1104.9	1105.6	1106.6	1106.6	1105.9	1106.6	1106.6	1105.6	1104.9	1105.6	1106.6
17°	1100.7	1101.7	1102.9	1102.7	1101.9	1102.7	1102.9	1101.7	1100.7	1101.7	1102.9
17.5°	1096.8	1097.7	1098.7	1098.7	1098.0	1098.7	1098.7	1097.7	1096.8	1097.7	1098.7
18°	1092.6	1093.5	1094.8	1094.5	1093.5	1094.5	1094.8	1093.5	1092.6	1093.5	1094.8
18.5°	1088.1	1089.3	1090.3	1090.1	1089.1	1090.1	1090.3	1089.3	1088.1	1089.3	1090.3
19°	1083.7	1084.9	1085.9	1085.6	1084.7	1085.6	1085.9	1084.9	1083.7	1084.9	1085.9
19.5°	1079.0	1080.2	1081.4	1081.2	1080.2	1081.2	1081.4	1080.2	1079.0	1080.2	1081.4
20°	1074.3	1075.5	1076.8	1076.5	1075.3	1076.5	1076.8	1075.5	1074.3	1075.5	1076.8
20.5°	1069.1	1070.6	1072.1	1071.6	1070.3	1071.6	1072.1	1070.6	1069.1	1070.6	1072.1
21°	1063.9	1065.6	1067.1	1066.6	1065.1	1066.6	1067.1	1065.6	1063.9	1065.6	1067.1



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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°	1047.6	1049.6	1051.3	1050.6	1048.8	1050.6	1051.3	1049.6	1047.6	1049.6	1051.3
23°	1041.7	1043.9	1045.9	1044.9	1042.9	1044.9	1045.9	1043.9	1041.7	1043.9	1045.9
23.5°	1035.8	1038.2	1040.2	1039.0	1037.0	1039.0	1040.2	1038.2	1035.8	1038.2	1040.2
24°	1029.8	1032.1	1034.3	1033.0	1030.8	1033.0	1034.3	1032.1	1029.8	1032.1	1034.3
24.5°	1023.4	1025.9	1028.3	1026.9	1024.6	1026.9	1028.3	1025.9	1023.4	1025.9	1028.3
25°	1016.7	1019.7	1022.2	1020.4	1018.0	1020.4	1022.2	1019.7	1016.7	1019.7	1022.2
25.5°	1009.8	1013.3	1016.0	1014.0	1011.3	1014.0	1016.0	1013.3	1009.8	1013.3	1016.0
26°	1003.2	1006.6	1009.6	1007.4	1004.6	1007.4	1009.6	1006.6	1003.2	1006.6	1009.6
26.5°	995.7	999.7	1002.9	1000.4	997.5	1000.4	1002.9	999.7	995.7	999.7	1002.9
27°	988.6	992.5	996.2	993.3	990.1	993.3	996.2	992.5	988.6	992.5	996.2
27.5°	981.2	985.4	989.3	986.1	982.7	986.1	989.3	985.4	981.2	985.4	989.3
28°	973.3	978.0	982.2	978.7	975.0	978.7	982.2	978.0	973.3	978.0	982.2
28.5°	965.4	970.3	975.0	971.3	967.1	971.3	975.0	970.3	965.4	970.3	975.0
29°	957.2	962.4	967.6	963.4	959.2	963.4	967.6	962.4	957.2	962.4	967.6
29.5°	949.1	954.5	959.9	955.5	950.8	955.5	959.9	954.5	949.1	954.5	959.9
30°	940.4	946.4	952.3	947.6	942.4	947.6	952.3	946.4	940.4	946.4	952.3
30.5°	931.8	938.2	944.4	939.2	934.0	939.2	944.4	938.2	931.8	938.2	944.4
31°	923.1	929.6	936.2	930.8	925.4	930.8	936.2	929.6	923.1	929.6	936.2
31.5°	914.3	921.2	928.1	922.4	916.2	922.4	928.1	921.2	914.3	921.2	928.1
32°	905.4	912.5	919.7	913.8	907.3	913.8	919.7	912.5	905.4	912.5	919.7
32.5°	896.2	903.6	911.0	904.9	898.2	904.9	911.0	903.6	896.2	903.6	911.0
33°	886.8	894.7	902.4	896.0	889.1	896.0	902.4	894.7	886.8	894.7	902.4
33.5°	877.2	885.6	893.3	887.1	879.7	887.1	893.3	885.6	877.2	885.6	893.3
34°	867.3	876.7	884.1	877.9	870.0	877.9	884.1	876.7	867.3	876.7	884.1
34.5°	857.5	867.3	875.0	868.6	860.2	868.6	875.0	867.3	857.5	867.3	875.0
35°	847.6	857.9	865.4	859.2	850.0	859.2	865.4	857.9	847.6	857.9	865.4
35.5°	837.2	848.6	856.0	849.8	839.7	849.8	856.0	848.6	837.2	848.6	856.0
36°	826.8	838.9	846.3	840.2	823.1	840.2	846.3	838.9	826.8	838.9	846.3
36.5°	814.5	828.8	836.5	830.3	804.8	830.3	836.5	828.8	814.5	828.8	836.5
37°	797.4	818.7	826.6	820.4	783.4	820.4	826.6	818.7	797.4	818.7	826.6
37.5°	771.5	808.6	816.5	810.0	762.6	810.0	816.5	808.6	771.5	808.6	816.5
38°	743.4	798.4	806.3	798.4	738.9	798.4	806.3	798.4	743.4	798.4	806.3
38.5°	710.0	787.6	796.2	781.9	711.7	781.9	796.2	787.6	710.0	787.6	796.2
39°	676.2	773.2	786.3	762.6	681.4	762.6	786.3	773.2	676.2	773.2	786.3
39.5°	641.9	753.7	776.0	742.6	647.5	742.6	776.0	753.7	641.9	753.7	776.0
40°	607.5	728.5	765.6	720.9	612.7	720.9	765.6	728.5	607.5	728.5	765.6
40.5°	573.0	699.1	755.7	696.4	577.1	696.4	755.7	699.1	573.0	699.1	755.7
41°	537.9	667.3	745.6	669.3	543.1	669.3	745.6	667.3	537.9	667.3	745.6
41.5°	504.0	635.2	735.7	639.4	509.5	639.4	735.7	635.2	504.0	635.2	735.7
42°	469.7	602.8	725.8	607.0	476.6	607.0	725.8	602.8	469.7	602.8	725.8
42.5°	436.6	570.7	715.9	574.2	444.0	574.2	715.9	570.7	436.6	570.7	715.9
43°	403.5	537.9	706.1	540.8	410.9	540.8	706.1	537.9	403.5	537.9	706.1
43.5°	371.2	505.0	695.9	508.7	378.1	508.7	695.9	505.0	371.2	505.0	695.9



TEST NUMBER: P776216

CATALOG NUMBER: HCDJBL1525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	278.1	408.7	666.1	414.9	285.2	414.9	666.1	408.7	278.1	408.7	666.1
45.5°	248.7	377.9	655.9	383.5	256.6	383.5	655.9	377.9	248.7	377.9	655.9
46°	221.0	347.5	642.8	353.2	229.2	353.2	642.8	347.5	221.0	347.5	642.8
46.5°	194.1	317.3	627.5	323.3	202.5	323.3	627.5	317.3	194.1	317.3	627.5
47°	167.4	287.7	606.0	293.9	179.0	293.9	606.0	287.7	167.4	287.7	606.0
47.5°	142.0	258.8	582.1	265.5	159.0	265.5	582.1	258.8	142.0	258.8	582.1
48°	119.8	231.6	553.2	238.1	139.3	238.1	553.2	231.6	119.8	231.6	553.2
48.5°	99.5	205.5	521.6	211.9	119.5	211.9	521.6	205.5	99.5	205.5	521.6
49°	84.0	179.5	485.8	186.9	99.8	186.9	485.8	179.5	84.0	179.5	485.8
49.5°	69.4	154.4	449.5	163.7	82.2	163.7	449.5	154.4	69.4	154.4	449.5
50°	55.6	130.6	411.9	143.5	67.7	143.5	411.9	130.6	55.6	130.6	411.9
50.5°	44.2	109.4	375.1	124.5	53.3	124.5	375.1	109.4	44.2	109.4	375.1
51°	33.1	91.4	339.3	106.2	40.5	106.2	339.3	91.4	33.1	91.4	339.3
51.5°	23.7	76.3	306.0	89.2	31.9	89.2	306.0	76.3	23.7	76.3	306.0
52°	14.3	62.0	273.4	73.6	25.4	73.6	273.4	62.0	14.3	62.0	273.4
52.5°	5.2	49.9	242.0	59.5	19.0	59.5	242.0	49.9	5.2	49.9	242.0
53°	3.0	38.8	212.1	47.4	12.8	47.4	212.1	38.8	3.0	38.8	212.1
53.5°	2.2	28.6	185.7	36.1	7.4	36.1	185.7	28.6	2.2	28.6	185.7
54°	1.5	19.8	160.8	26.4	2.0	26.4	160.8	19.8	1.5	19.8	160.8
54.5°	0.7	10.9	137.6	19.8	1.0	19.8	137.6	10.9	0.7	10.9	137.6
55°	0.7	3.7	116.6	13.3	1.0	13.3	116.6	3.7	0.7	3.7	116.6
55.5°	0.7	2.2	96.6	8.1	1.0	8.1	96.6	2.2	0.7	2.2	96.6
56°	0.7	1.7	79.0	4.9	0.7	4.9	79.0	1.7	0.7	1.7	79.0
56.5°	0.7	1.0	65.2	2.0	0.7	2.0	65.2	1.0	0.7	1.0	65.2
57°	0.7	0.7	52.1	1.2	0.7	1.2	52.1	0.7	0.7	0.7	52.1
57.5°	0.7	0.7	40.5	0.7	0.7	0.7	40.5	0.7	0.7	0.7	40.5
58°	0.7	0.7	30.1	0.7	0.7	0.7	30.1	0.7	0.7	0.7	30.1
58.5°	0.5	0.5	21.7	0.7	0.7	0.7	21.7	0.5	0.5	0.5	21.7
59°	0.5	0.5	16.5	0.5	0.7	0.5	16.5	0.5	0.5	0.5	16.5
59.5°	0.5	0.5	12.1	0.5	0.7	0.5	12.1	0.5	0.5	0.5	12.1
60°	0.5	0.5	7.9	0.5	0.7	0.5	7.9	0.5	0.5	0.5	7.9
60.5°	0.5	0.5	4.7	0.5	0.5	0.5	4.7	0.5	0.5	0.5	4.7
61°	0.5	0.5	3.0	0.5	0.5	0.5	3.0	0.5	0.5	0.5	3.0
61.5°	0.5	0.5	1.7	0.5	0.5	0.5	1.7	0.5	0.5	0.5	1.7
62°	0.5	0.5	0.7	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.7
62.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
63°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
63.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
64°	0.5	0.5	0.5	0.5	0.5	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	0.2	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.2
65.5°	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P776216

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
76.5°	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
77°	0.2	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
77.5°	0.0	0.2	0.0	0.2	0.2	0.2	0.0	0.2	0.0	0.2	0.0
78°	0.0	0.0	0.0	0.0	0.2	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: P776216
CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K

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: P776216

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9
0.5°	1166.2	1166.2	1166.2	1165.9	1165.7	1165.4
1°	1165.9	1165.9	1165.9	1165.7	1165.4	1165.2
1.5°	1165.7	1165.7	1165.7	1165.4	1165.2	1164.9
2°	1165.4	1165.2	1165.4	1165.2	1164.7	1164.7
2.5°	1164.9	1164.9	1164.9	1164.7	1164.4	1164.2
3°	1164.4	1164.2	1164.4	1164.2	1163.7	1163.7
3.5°	1163.7	1163.7	1163.7	1163.4	1163.2	1162.9
4°	1162.9	1162.7	1162.9	1162.7	1162.4	1162.2
4.5°	1162.0	1162.0	1162.0	1161.7	1161.5	1161.2
5°	1161.0	1161.0	1161.0	1161.0	1160.5	1160.2
5.5°	1160.0	1159.7	1160.0	1159.7	1159.5	1159.2
6°	1158.7	1158.7	1158.7	1158.5	1158.2	1158.0
6.5°	1157.5	1157.3	1157.5	1157.3	1157.0	1156.8
7°	1156.0	1156.0	1156.0	1156.0	1155.5	1155.3
7.5°	1154.5	1154.3	1154.5	1154.3	1154.1	1153.8
8°	1152.8	1152.8	1152.8	1152.8	1152.3	1152.1
8.5°	1151.1	1150.8	1151.1	1151.1	1150.6	1150.3
9°	1149.4	1149.1	1149.4	1149.1	1148.6	1148.4
9.5°	1147.4	1146.9	1147.4	1147.1	1146.6	1146.4
10°	1145.2	1144.9	1145.2	1145.2	1144.7	1144.2
10.5°	1142.9	1142.7	1142.9	1142.9	1142.4	1142.0
11°	1140.5	1140.2	1140.5	1140.7	1140.0	1139.5
11.5°	1138.0	1137.8	1138.0	1138.2	1137.5	1137.0
12°	1135.5	1135.0	1135.5	1135.5	1134.8	1134.3
12.5°	1132.8	1132.3	1132.8	1132.8	1132.1	1131.6
13°	1130.1	1129.6	1130.1	1130.1	1129.4	1128.6
13.5°	1127.1	1126.6	1127.1	1127.1	1126.4	1125.7
14°	1123.9	1123.4	1123.9	1123.9	1123.2	1122.4
14.5°	1120.7	1120.2	1120.7	1120.7	1120.0	1119.2
15°	1117.3	1116.8	1117.3	1117.5	1116.5	1115.8
15.5°	1113.8	1113.3	1113.8	1114.0	1113.1	1112.3
16°	1110.3	1109.6	1110.3	1110.3	1109.4	1108.6
16.5°	1106.6	1105.9	1106.6	1106.6	1105.6	1104.9
17°	1102.7	1101.9	1102.7	1102.9	1101.7	1100.7
17.5°	1098.7	1098.0	1098.7	1098.7	1097.7	1096.8
18°	1094.5	1093.5	1094.5	1094.8	1093.5	1092.6
18.5°	1090.1	1089.1	1090.1	1090.3	1089.3	1088.1
19°	1085.6	1084.7	1085.6	1085.9	1084.9	1083.7
19.5°	1081.2	1080.2	1081.2	1081.4	1080.2	1079.0
20°	1076.5	1075.3	1076.5	1076.8	1075.5	1074.3
20.5°	1071.6	1070.3	1071.6	1072.1	1070.6	1069.1
21°	1066.6	1065.1	1066.6	1067.1	1065.6	1063.9



TEST NUMBER: P776216

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1050.6	1048.8	1050.6	1051.3	1049.6	1047.6
23°	1044.9	1042.9	1044.9	1045.9	1043.9	1041.7
23.5°	1039.0	1037.0	1039.0	1040.2	1038.2	1035.8
24°	1033.0	1030.8	1033.0	1034.3	1032.1	1029.8
24.5°	1026.9	1024.6	1026.9	1028.3	1025.9	1023.4
25°	1020.4	1018.0	1020.4	1022.2	1019.7	1016.7
25.5°	1014.0	1011.3	1014.0	1016.0	1013.3	1009.8
26°	1007.4	1004.6	1007.4	1009.6	1006.6	1003.2
26.5°	1000.4	997.5	1000.4	1002.9	999.7	995.7
27°	993.3	990.1	993.3	996.2	992.5	988.6
27.5°	986.1	982.7	986.1	989.3	985.4	981.2
28°	978.7	975.0	978.7	982.2	978.0	973.3
28.5°	971.3	967.1	971.3	975.0	970.3	965.4
29°	963.4	959.2	963.4	967.6	962.4	957.2
29.5°	955.5	950.8	955.5	959.9	954.5	949.1
30°	947.6	942.4	947.6	952.3	946.4	940.4
30.5°	939.2	934.0	939.2	944.4	938.2	931.8
31°	930.8	925.4	930.8	936.2	929.6	923.1
31.5°	922.4	916.2	922.4	928.1	921.2	914.3
32°	913.8	907.3	913.8	919.7	912.5	905.4
32.5°	904.9	898.2	904.9	911.0	903.6	896.2
33°	896.0	889.1	896.0	902.4	894.7	886.8
33.5°	887.1	879.7	887.1	893.3	885.6	877.2
34°	877.9	870.0	877.9	884.1	876.7	867.3
34.5°	868.6	860.2	868.6	875.0	867.3	857.5
35°	859.2	850.0	859.2	865.4	857.9	847.6
35.5°	849.8	839.7	849.8	856.0	848.6	837.2
36°	840.2	823.1	840.2	846.3	838.9	826.8
36.5°	830.3	804.8	830.3	836.5	828.8	814.5
37°	820.4	783.4	820.4	826.6	818.7	797.4
37.5°	810.0	762.6	810.0	816.5	808.6	771.5
38°	798.4	738.9	798.4	806.3	798.4	743.4
38.5°	781.9	711.7	781.9	796.2	787.6	710.0
39°	762.6	681.4	762.6	786.3	773.2	676.2
39.5°	742.6	647.5	742.6	776.0	753.7	641.9
40°	720.9	612.7	720.9	765.6	728.5	607.5
40.5°	696.4	577.1	696.4	755.7	699.1	573.0
41°	669.3	543.1	669.3	745.6	667.3	537.9
41.5°	639.4	509.5	639.4	735.7	635.2	504.0
42°	607.0	476.6	607.0	725.8	602.8	469.7
42.5°	574.2	444.0	574.2	715.9	570.7	436.6
43°	540.8	410.9	540.8	706.1	537.9	403.5
43.5°	508.7	378.1	508.7	695.9	505.0	371.2



TEST NUMBER: P776216

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	414.9	285.2	414.9	666.1	408.7	278.1
45.5°	383.5	256.6	383.5	655.9	377.9	248.7
46°	353.2	229.2	353.2	642.8	347.5	221.0
46.5°	323.3	202.5	323.3	627.5	317.3	194.1
47°	293.9	179.0	293.9	606.0	287.7	167.4
47.5°	265.5	159.0	265.5	582.1	258.8	142.0
48°	238.1	139.3	238.1	553.2	231.6	119.8
48.5°	211.9	119.5	211.9	521.6	205.5	99.5
49°	186.9	99.8	186.9	485.8	179.5	84.0
49.5°	163.7	82.2	163.7	449.5	154.4	69.4
50°	143.5	67.7	143.5	411.9	130.6	55.6
50.5°	124.5	53.3	124.5	375.1	109.4	44.2
51°	106.2	40.5	106.2	339.3	91.4	33.1
51.5°	89.2	31.9	89.2	306.0	76.3	23.7
52°	73.6	25.4	73.6	273.4	62.0	14.3
52.5°	59.5	19.0	59.5	242.0	49.9	5.2
53°	47.4	12.8	47.4	212.1	38.8	3.0
53.5°	36.1	7.4	36.1	185.7	28.6	2.2
54°	26.4	2.0	26.4	160.8	19.8	1.5
54.5°	19.8	1.0	19.8	137.6	10.9	0.7
55°	13.3	1.0	13.3	116.6	3.7	0.7
55.5°	8.1	1.0	8.1	96.6	2.2	0.7
56°	4.9	0.7	4.9	79.0	1.7	0.7
56.5°	2.0	0.7	2.0	65.2	1.0	0.7
57°	1.2	0.7	1.2	52.1	0.7	0.7
57.5°	0.7	0.7	0.7	40.5	0.7	0.7
58°	0.7	0.7	0.7	30.1	0.7	0.7
58.5°	0.7	0.7	0.7	21.7	0.5	0.5
59°	0.5	0.7	0.5	16.5	0.5	0.5
59.5°	0.5	0.7	0.5	12.1	0.5	0.5
60°	0.5	0.7	0.5	7.9	0.5	0.5
60.5°	0.5	0.5	0.5	4.7	0.5	0.5
61°	0.5	0.5	0.5	3.0	0.5	0.5
61.5°	0.5	0.5	0.5	1.7	0.5	0.5
62°	0.5	0.5	0.5	0.7	0.5	0.5
62.5°	0.5	0.5	0.5	0.5	0.5	0.5
63°	0.5	0.5	0.5	0.5	0.5	0.5
63.5°	0.5	0.5	0.5	0.5	0.5	0.5
64°	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
65°	0.5	0.5	0.5	0.2	0.5	0.5
65.5°	0.2	0.5	0.2	0.2	0.2	0.2
66°	0.2	0.5	0.2	0.2	0.2	0.2



TEST NUMBER: P776216

CATALOG NUMBER: HCDJBLS1525CSD-HCD8TSQMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2
73.5°	0.2	0.2	0.2	0.2	0.2	0.2
74°	0.2	0.2	0.2	0.2	0.2	0.2
74.5°	0.2	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2	0.2
75.5°	0.2	0.2	0.2	0.2	0.2	0.2
76°	0.2	0.2	0.2	0.2	0.2	0.2
76.5°	0.2	0.2	0.2	0.0	0.2	0.2
77°	0.2	0.2	0.2	0.0	0.2	0.2
77.5°	0.2	0.2	0.2	0.0	0.2	0.0
78°	0.0	0.2	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: P776216

CATALOG NUMBER: HCDJBL1525CSD-HCD8TSQMB-2500lm-3000K

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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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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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Scaled Data Report





21.5°	1058.7	1060.5	1061.9	1061.4	1060.0	1061.4	1061.9	1060.5	1058.7	1060.5	1061.9
22°	1053.3	1055.0	1056.7	1056.0	1054.5	1056.0	1056.7	1055.0	1053.3	1055.0	1056.7



44°	339.1	472.7	686.1	477.1	346.2	477.1	686.1	472.7	339.1	472.7	686.1
44.5°	308.2	440.6	676.2	445.8	315.4	445.8	676.2	440.6	308.2	440.6	676.2



66.5°	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2
67°	0.2	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.2	0.2	0.2



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°	1061.4	1060.0	1061.4	1061.9	1060.5	1058.7
22°	1056.0	1054.5	1056.0	1056.7	1055.0	1053.3



44°	477.1	346.2	477.1	686.1	472.7	339.1
44.5°	445.8	315.4	445.8	676.2	440.6	308.2

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Scaled Data Report



66.5°	0.2	0.5	0.2	0.2	0.2	0.2
67°	0.2	0.5	0.2	0.2	0.2	0.2

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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)