

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: P776212

Luminaire Tested: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B027)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K
Description: 8 INCH SQUARE MEDIUM LENSED WALLWASH KIT
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2242.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.2 / 1.3
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')

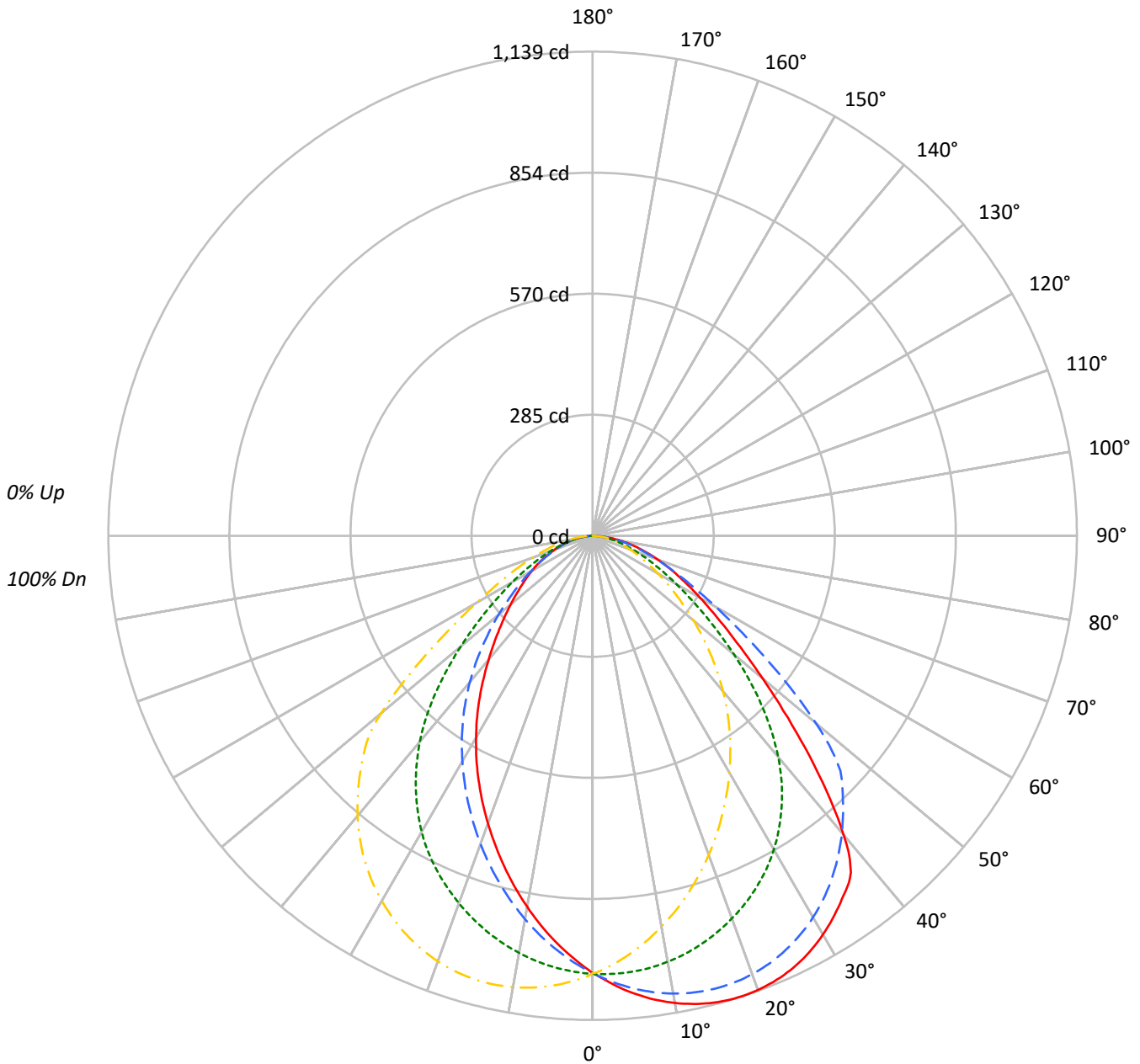
CIE Type: Direct
Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P776212

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	110	106	102	99	108	104	101	98	100	97	94	96	94	92	92	91	89	87																			
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75																			
3	94	84	77	71	91	83	76	70	80	74	69	77	72	68	75	70	67	65																			
4	86	75	68	61	84	74	67	61	72	65	60	70	64	59	67	63	59	57																			
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50																			
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44																			
7	69	56	48	43	67	56	48	42	54	47	42	53	46	42	51	46	42	40																			
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	38	36																			
9	60	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32																			
10	57	44	37	32	55	44	36	32	43	36	31	42	36	31	41	35	31	30																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24679	24679	24679	24679
5°	25981	24792	23155	24532
10°	27173	24779	21580	24261
15°	28188	24660	19974	23908
20°	29013	24446	18378	23468
25°	29632	24134	16784	22960
30°	29997	23598	15187	22258
35°	30165	22695	13538	21219
40°	28763	21238	11904	19779
45°	24029	19024	10516	17688
50°	19488	16197	9389	15082
55°	16149	13286	8528	12533
60°	13994	10905	7884	10445
65°	12528	9101	7268	8806
70°	11407	7677	6569	7453
75°	10376	6457	5966	6291
80°	9307	5330	5233	5151
85°	7593	4127	3384	3797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 28170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	4.3
10°-20°	274.5	12.2
20°-30°	406.1	18.1
30°-40°	468.0	20.9
40°-50°	426.1	19.0
50°-60°	291.8	13.0
60°-70°	171.3	7.6
70°-80°	86.4	3.9
80°-90°	21.6	1.0
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°	777.7	34.7
0°-40°	1245.7	55.5
0°-60°	1963.6	87.5
0°-90°	2242.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2242.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1029	1029	1029	1029	1029	
5°	1079	1030	962	1019	1079	104
15°	1136	993	805	963	1136	321
25°	1120	912	634	868	1120	516
35°	1030	775	462	725	1030	641
45°	709	561	310	522	709	547
55°	386	318	204	300	386	351
65°	221	160	128	155	221	220
75°	112	70	64	68	112	119
85°	28	15	12	14	28	32
90°	0	0	0	0	0	



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2
0.5°	1033.2	1033.5	1033.5	1032.2	1031.0	1029.2	1027.7	1021.7	1021.5	1022.0	1024.2
1°	1039.0	1038.8	1037.7	1035.0	1031.2	1027.2	1024.0	1016.2	1015.2	1016.2	1019.5
1.5°	1044.5	1044.3	1041.8	1037.2	1031.7	1025.2	1020.0	1010.7	1009.2	1010.2	1014.7
2°	1049.8	1049.5	1046.0	1039.8	1031.7	1023.0	1015.7	1004.9	1002.7	1003.9	1009.7
2.5°	1055.3	1054.5	1050.0	1042.0	1031.7	1020.7	1011.4	999.1	996.1	997.9	1004.7
3°	1060.3	1059.3	1054.0	1044.3	1031.7	1018.4	1007.2	992.9	989.6	991.6	999.4
3.5°	1065.3	1064.1	1057.8	1046.3	1031.5	1015.9	1002.7	986.9	982.9	985.1	994.1
4°	1070.3	1068.8	1061.3	1048.0	1031.2	1013.2	997.9	980.8	976.1	978.6	988.6
4.5°	1074.8	1073.3	1064.6	1049.8	1030.7	1010.7	993.4	974.6	969.1	971.8	983.1
5°	1079.4	1077.6	1068.1	1051.5	1030.0	1007.7	988.4	967.8	962.0	965.1	977.3
5.5°	1083.9	1081.9	1071.3	1053.0	1029.2	1004.9	983.4	961.5	954.8	958.3	971.6
6°	1088.1	1085.9	1074.3	1054.3	1028.5	1001.7	978.3	954.8	947.5	951.3	965.8
6.5°	1092.1	1089.6	1077.1	1055.5	1027.5	998.6	973.1	948.3	940.5	944.3	960.0
7°	1096.2	1093.6	1079.9	1056.5	1026.5	995.1	967.8	941.2	932.7	937.0	953.8
7.5°	1099.9	1097.2	1082.6	1057.8	1025.2	991.9	962.3	934.2	925.5	930.0	947.8
8°	1103.4	1100.7	1085.1	1058.6	1024.0	988.4	956.8	927.2	917.7	922.4	941.5
8.5°	1106.7	1103.9	1087.4	1059.3	1022.7	984.6	951.0	920.2	909.9	915.2	935.2
9°	1109.9	1106.9	1089.4	1059.8	1021.2	981.1	945.5	913.2	902.1	907.4	928.7
9.5°	1113.2	1109.9	1091.6	1060.3	1019.5	977.1	939.7	905.9	894.4	900.1	922.4
10°	1116.0	1112.7	1093.4	1060.6	1017.7	973.1	933.7	898.4	886.3	892.4	915.9
10.5°	1118.7	1115.2	1095.2	1060.8	1015.7	969.1	927.7	891.1	878.6	884.6	909.2
11°	1121.5	1117.7	1096.7	1060.8	1013.7	964.8	921.4	883.6	870.6	877.1	902.4
11.5°	1123.7	1120.0	1098.2	1060.8	1011.7	960.5	915.4	876.1	862.5	869.1	895.4
12°	1126.0	1122.0	1099.4	1060.6	1009.4	956.3	909.2	868.6	854.3	861.3	888.6
12.5°	1128.0	1124.0	1100.4	1060.3	1007.2	951.8	902.9	860.8	846.2	853.5	881.8
13°	1130.0	1125.7	1101.4	1059.8	1004.7	947.3	896.4	853.0	838.0	845.2	874.8
13.5°	1131.5	1127.2	1102.2	1059.1	1001.9	942.5	889.9	845.2	829.7	837.2	867.8
14°	1133.0	1128.7	1102.9	1058.3	999.1	937.7	883.1	837.2	821.4	829.2	860.5
14.5°	1134.5	1130.0	1103.4	1057.6	996.4	933.0	876.6	829.4	813.2	821.2	853.3
15°	1135.5	1131.0	1103.7	1056.5	993.4	927.7	869.8	821.2	804.6	812.9	846.0
15.5°	1136.5	1132.0	1103.9	1055.3	990.4	922.7	863.0	813.4	796.4	804.9	838.7
16°	1137.3	1132.8	1103.7	1054.0	987.1	917.4	856.0	805.4	787.8	796.6	831.5
16.5°	1138.0	1133.3	1103.4	1052.5	984.1	912.2	849.0	797.4	779.6	788.6	824.2
17°	1138.3	1133.5	1103.2	1051.0	980.6	906.9	842.0	789.1	771.0	780.1	816.4
17.5°	1138.5	1133.5	1102.7	1049.3	977.1	901.4	834.7	781.1	762.5	772.0	809.1
18°	1138.8	1133.8	1101.9	1047.5	973.6	895.9	827.7	773.0	754.0	763.3	801.6
18.5°	1138.5	1133.5	1101.2	1045.5	969.8	890.4	820.4	764.8	745.5	755.3	793.9
19°	1138.3	1133.0	1100.2	1043.3	965.8	884.6	813.2	756.5	737.0	747.0	786.3
19.5°	1137.8	1132.5	1098.9	1041.0	962.0	878.8	805.9	748.5	728.7	738.7	778.8
20°	1137.0	1131.7	1097.7	1038.8	958.0	873.1	798.6	740.2	720.2	730.2	770.8
20.5°	1136.3	1131.0	1096.2	1036.2	954.0	867.0	791.1	731.9	711.4	721.7	763.0
21°	1135.0	1129.7	1094.4	1033.7	949.8	861.3	783.6	723.4	702.9	713.4	755.5



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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°	1130.7	1125.2	1088.4	1025.0	936.7	842.7	760.8	698.9	677.3	688.3	731.9
23°	1129.0	1123.5	1086.1	1021.7	932.0	836.5	753.2	690.3	668.8	679.8	724.2
23.5°	1127.0	1121.5	1083.6	1018.4	927.2	830.2	745.7	681.8	660.2	671.5	716.4
24°	1124.7	1119.2	1081.1	1015.2	922.4	823.7	738.0	673.5	651.7	663.0	708.4
24.5°	1122.5	1116.7	1078.1	1011.7	917.4	817.2	730.2	665.3	643.0	654.7	700.4
25°	1120.0	1114.2	1075.1	1007.9	912.2	810.6	722.4	657.0	634.4	646.2	692.6
25.5°	1117.0	1111.4	1071.8	1003.9	906.9	803.6	714.6	648.7	626.2	637.7	684.8
26°	1114.0	1108.4	1068.8	1000.1	901.6	796.9	706.9	640.2	617.4	629.4	676.5
26.5°	1110.9	1105.2	1065.3	995.9	896.1	790.1	699.1	631.7	608.6	620.9	668.8
27°	1107.7	1101.9	1061.6	991.9	890.4	783.1	691.1	623.2	600.1	612.6	660.8
27.5°	1104.2	1098.4	1057.8	987.4	884.3	776.1	683.3	614.9	591.8	603.8	652.7
28°	1100.2	1094.6	1053.8	982.6	878.3	768.8	675.3	606.6	583.0	595.6	644.7
28.5°	1096.4	1090.6	1049.8	977.8	872.1	761.5	667.5	598.1	574.3	587.1	636.9
29°	1092.1	1086.4	1045.5	973.1	865.8	754.0	659.5	589.6	565.7	578.5	628.7
29.5°	1087.9	1082.1	1041.3	968.1	859.0	746.7	651.5	581.3	557.2	570.0	620.6
30°	1083.4	1077.9	1036.5	962.8	852.3	739.0	643.5	572.5	548.5	561.5	612.6
30.5°	1078.9	1073.1	1031.7	957.3	845.2	731.2	635.7	564.2	539.7	553.0	604.6
31°	1073.8	1068.3	1027.0	951.5	838.2	723.2	627.4	555.5	531.2	544.7	596.6
31.5°	1068.8	1063.3	1022.0	945.8	831.0	715.4	619.1	547.2	522.6	536.2	588.6
32°	1063.8	1058.3	1016.7	939.5	823.4	707.4	611.1	538.7	514.1	527.6	580.5
32.5°	1058.3	1052.8	1011.2	933.2	815.7	698.9	602.8	530.2	505.3	519.1	572.5
33°	1053.0	1047.5	1005.7	927.0	807.9	690.6	594.8	521.4	497.1	510.6	564.5
33.5°	1047.5	1041.8	999.9	920.2	800.1	682.3	586.6	513.4	488.3	502.3	556.5
34°	1041.8	1036.2	994.4	913.4	791.8	674.0	578.3	504.6	479.5	493.8	548.0
34.5°	1036.0	1030.2	988.1	906.4	783.6	665.5	570.0	496.1	471.0	485.3	539.9
35°	1030.5	1024.2	982.1	899.1	775.3	657.0	561.7	487.5	462.5	477.0	531.9
35.5°	1025.0	1018.2	975.6	891.4	766.5	648.2	553.2	479.3	454.0	468.5	523.6
36°	1019.7	1011.9	969.3	883.8	757.8	639.9	544.9	470.7	445.4	460.0	515.4
36.5°	1013.7	1005.9	962.8	875.8	748.5	631.2	536.7	462.0	436.9	451.4	507.1
37°	1006.7	999.9	955.8	867.8	739.5	622.1	528.1	453.5	428.6	442.9	498.8
37.5°	997.9	993.9	949.0	859.8	729.9	613.1	519.4	445.2	420.4	434.7	490.5
38°	985.1	988.1	941.7	851.3	719.9	604.4	511.1	436.7	412.1	426.4	482.3
38.5°	971.8	981.3	934.5	842.5	710.1	595.3	502.6	428.1	404.1	417.9	474.0
39°	955.8	973.8	927.2	833.2	699.9	586.3	494.1	419.9	396.0	409.8	465.7
39.5°	938.0	963.1	919.7	824.2	689.6	577.0	485.5	411.6	388.0	401.6	457.2
40°	918.9	951.3	911.9	814.7	678.5	567.8	477.0	403.3	380.3	393.5	448.9
40.5°	898.1	936.2	904.4	804.6	667.8	558.7	468.5	395.0	372.7	385.5	440.7
41°	878.3	920.7	896.4	794.1	656.7	549.2	459.7	387.3	365.2	378.0	432.1
41.5°	856.8	901.1	888.4	783.6	645.5	539.9	451.2	379.3	357.9	370.0	423.6
42°	836.2	883.3	880.1	772.3	633.9	530.4	442.7	371.5	350.7	362.5	415.4
42.5°	814.7	862.8	871.8	760.8	622.1	521.1	434.2	363.7	343.7	354.9	407.1
43°	793.4	843.7	863.8	748.7	610.4	511.6	425.6	356.2	336.6	347.7	398.8
43.5°	771.5	822.4	855.3	737.2	598.3	501.8	417.1	348.4	329.6	340.2	390.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	708.6	760.5	830.7	697.8	561.0	473.3	391.5	326.9	310.1	319.3	365.7
45.5°	686.8	739.2	822.4	684.6	548.5	463.5	383.0	319.8	303.6	312.6	357.7
46°	667.8	719.2	812.9	670.8	535.9	454.0	374.5	312.8	297.5	305.8	349.4
46.5°	646.5	697.6	803.1	656.5	523.1	444.2	366.2	306.1	291.3	299.3	341.4
47°	628.7	678.5	789.1	642.0	510.4	434.7	357.7	299.5	285.3	293.0	333.6
47.5°	607.6	657.5	775.8	626.9	497.3	424.9	349.4	293.3	279.5	286.8	325.9
48°	591.1	639.2	758.8	611.6	485.0	415.4	341.2	286.5	273.7	280.7	318.3
48.5°	571.3	618.1	742.7	596.3	472.0	405.8	332.9	280.2	268.0	274.7	310.6
49°	555.7	601.1	723.4	581.0	459.2	396.3	324.9	274.2	262.4	268.7	303.1
49.5°	536.9	581.3	705.4	565.5	446.7	386.8	316.8	268.2	257.2	262.9	295.8
50°	522.4	565.0	684.8	550.0	434.2	377.2	308.8	262.2	251.7	257.2	288.5
50.5°	504.8	546.7	665.0	533.9	421.1	367.7	301.0	256.4	246.4	251.7	281.2
51°	491.3	530.4	644.5	517.9	409.1	358.4	293.5	250.7	241.6	246.4	274.2
51.5°	475.0	513.4	624.7	502.1	396.8	349.4	286.0	244.9	236.6	240.9	267.5
52°	462.0	498.3	603.6	486.5	384.8	340.2	278.5	239.6	231.6	235.6	260.7
52.5°	447.4	482.8	584.3	471.0	372.7	330.9	271.2	234.1	226.6	230.6	253.9
53°	435.2	468.0	564.0	455.2	361.5	321.9	264.2	228.9	221.8	225.3	247.4
53.5°	421.6	453.5	544.9	439.7	349.9	313.1	257.2	223.6	217.3	220.6	240.9
54°	409.6	439.2	525.1	424.4	338.9	304.3	250.2	218.8	212.8	215.8	234.9
54.5°	397.6	426.1	506.6	409.6	327.9	295.5	243.4	214.1	208.6	211.3	228.6
55°	386.3	412.3	488.5	394.8	317.8	287.0	236.9	209.1	204.0	206.5	222.6
55.5°	375.5	401.6	470.2	380.8	307.3	278.5	230.4	204.3	199.8	202.0	216.6
56°	364.5	387.8	453.5	367.0	297.3	270.2	223.8	199.5	195.3	197.5	211.1
56.5°	354.9	378.0	436.2	353.7	287.5	262.2	217.8	194.8	191.5	193.0	205.5
57°	343.9	365.2	420.6	340.7	278.2	254.2	211.8	190.8	187.5	188.7	200.0
57.5°	335.6	356.2	404.1	328.4	269.0	246.4	206.0	186.5	183.5	184.5	194.5
58°	325.4	344.4	389.3	316.1	260.2	238.9	200.0	182.2	179.5	180.2	189.0
58.5°	317.8	335.1	374.7	304.8	251.7	231.4	194.3	178.0	175.5	176.2	183.7
59°	307.8	324.9	360.5	293.8	243.1	224.1	188.2	173.7	171.7	172.2	178.5
59.5°	301.0	315.8	347.4	283.3	235.1	217.3	182.7	169.7	167.9	168.2	173.5
60°	291.8	306.3	333.9	273.0	227.4	210.6	177.2	165.7	164.4	164.4	168.4
60.5°	284.3	296.8	322.4	263.2	219.6	203.8	172.2	161.7	160.7	160.7	163.7
61°	276.2	288.8	309.3	253.7	212.6	197.0	166.9	157.7	157.2	156.9	158.9
61.5°	268.7	279.2	298.8	244.9	205.5	190.3	161.7	153.9	153.7	153.4	154.4
62°	261.4	272.0	287.5	236.4	198.3	183.7	156.9	150.4	150.1	149.6	149.6
62.5°	254.2	263.4	276.5	228.1	191.3	177.7	152.2	146.6	146.4	146.1	145.4
63°	247.2	255.9	267.0	220.1	185.0	171.5	147.4	143.1	142.6	142.6	141.1
63.5°	240.4	248.2	256.9	212.6	178.5	165.7	142.6	139.6	139.1	139.1	136.9
64°	233.9	240.4	247.9	204.8	172.5	159.9	138.1	136.1	135.4	135.6	132.9
64.5°	227.1	233.6	238.9	197.8	166.4	154.4	133.9	132.6	131.6	131.8	128.8
65°	220.8	226.3	229.9	191.0	160.4	148.9	129.6	129.1	128.1	128.3	124.8
65.5°	214.6	219.8	222.1	184.2	154.7	143.6	125.6	125.3	124.6	124.8	121.1
66°	208.3	213.1	213.8	177.7	149.1	138.4	121.6	121.8	121.1	121.6	117.3



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	190.5	193.5	191.5	159.4	133.4	123.3	110.0	111.8	110.8	111.5	106.8
68°	185.0	187.5	184.5	153.9	128.3	118.8	106.5	108.5	107.3	108.3	103.5
68.5°	179.2	181.5	178.0	148.4	123.6	114.3	103.0	105.5	104.0	105.0	100.0
69°	173.7	175.7	171.2	142.9	118.8	109.8	99.5	102.3	100.5	101.8	96.8
69.5°	168.4	170.0	164.9	137.6	114.1	105.3	96.3	99.0	97.3	98.8	93.7
70°	162.7	164.2	158.9	132.4	109.5	101.0	93.0	96.0	93.7	95.5	90.5
70.5°	157.4	158.4	152.9	127.3	105.0	97.0	90.0	93.0	90.7	92.5	87.5
71°	152.2	152.9	147.1	122.6	100.8	93.2	86.7	89.7	87.2	89.2	84.5
71.5°	146.9	147.6	141.4	117.8	96.5	89.2	83.7	86.7	84.2	86.0	81.5
72°	141.9	142.4	135.9	113.0	92.5	85.2	80.7	83.5	81.2	83.0	78.7
72.5°	136.9	137.1	130.6	108.3	88.5	81.7	77.7	80.5	78.5	80.0	76.0
73°	131.8	132.1	125.3	104.0	84.5	78.0	74.9	77.5	75.7	77.2	73.2
73.5°	126.6	126.8	120.1	99.5	80.7	74.4	72.2	74.7	72.7	74.2	70.4
74°	121.8	121.8	115.1	95.3	77.0	70.9	69.4	71.9	69.9	71.4	67.7
74.5°	117.1	116.8	110.0	91.0	73.4	67.7	66.7	68.9	67.2	68.4	64.9
75°	112.0	112.0	105.3	87.2	69.7	64.4	64.2	66.4	64.4	65.7	62.2
75.5°	107.5	107.3	100.5	83.2	66.2	61.2	61.4	63.4	61.7	62.9	59.7
76°	102.8	102.5	96.0	79.5	62.9	58.2	58.9	60.7	58.9	60.2	56.9
76.5°	98.0	97.8	91.5	75.4	59.7	55.1	56.4	57.9	56.4	57.4	54.1
77°	93.5	93.2	87.2	71.7	56.4	52.1	53.9	55.1	53.6	54.6	51.9
77.5°	89.2	88.7	83.0	67.9	53.1	49.4	51.1	52.4	51.1	51.9	49.1
78°	85.0	84.5	78.7	64.2	50.1	46.6	48.6	49.6	48.4	49.1	46.6
78.5°	80.5	80.2	74.4	60.7	47.1	43.9	46.1	47.1	45.9	46.6	44.1
79°	76.2	75.7	70.2	57.2	44.4	41.4	43.9	44.4	43.1	43.9	41.6
79.5°	71.7	71.4	65.9	53.6	41.4	38.9	41.4	41.6	40.6	41.4	39.1
80°	67.4	67.2	61.9	50.4	38.6	36.3	38.9	38.9	37.9	38.9	36.6
80.5°	63.2	62.9	57.9	46.9	35.8	34.1	36.6	36.1	35.3	36.1	34.1
81°	59.2	58.9	54.1	43.9	33.3	31.8	34.1	33.3	32.8	33.6	31.8
81.5°	54.9	54.6	50.4	40.6	30.8	29.6	31.6	30.6	30.1	30.8	29.3
82°	50.9	50.9	46.6	37.6	28.3	27.3	29.1	28.1	27.6	28.3	27.1
82.5°	46.9	46.9	42.9	34.6	25.8	25.3	26.8	25.3	25.1	25.8	24.6
83°	42.9	42.9	39.4	31.6	23.8	23.3	24.3	22.8	22.3	23.1	22.3
83.5°	38.9	39.1	35.6	28.6	21.6	21.3	22.1	20.1	19.8	20.6	20.1
84°	35.1	35.3	32.1	26.1	19.3	19.3	19.8	17.5	17.3	18.0	17.8
84.5°	31.3	31.6	28.8	23.3	17.0	17.3	17.8	15.0	14.8	15.5	15.8
85°	27.6	27.8	25.6	20.8	15.0	15.3	15.5	12.3	12.3	12.8	13.5
85.5°	23.8	24.1	22.6	18.0	12.8	13.3	13.3	10.0	9.8	10.5	11.5
86°	20.1	20.6	19.6	15.8	10.8	11.5	11.3	8.0	7.8	8.3	9.5
86.5°	16.3	17.0	16.8	13.3	9.0	9.5	9.3	6.3	6.0	6.5	7.5
87°	12.8	13.8	13.8	11.0	7.3	7.5	7.3	4.5	4.5	5.0	5.8
87.5°	10.3	11.0	11.0	8.5	5.5	5.8	5.5	3.0	3.0	3.3	3.8
88°	8.3	8.5	8.5	6.5	3.8	4.0	3.5	1.5	1.5	1.8	2.0
88.5°	6.3	6.5	6.5	4.5	2.3	2.0	1.8	0.5	0.5	0.5	0.5



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1029.2	1029.2	1029.2	1029.2	1029.2	1029.2
0.5°	1026.7	1030.0	1032.5	1035.2	1032.2	1033.2
1°	1023.7	1029.2	1034.0	1038.8	1037.2	1039.0
1.5°	1020.7	1028.2	1035.5	1042.0	1042.0	1044.5
2°	1017.4	1027.5	1036.7	1045.3	1046.8	1049.8
2.5°	1014.2	1026.2	1038.0	1048.5	1051.5	1055.3
3°	1010.7	1025.2	1039.0	1051.3	1056.3	1060.3
3.5°	1007.2	1023.7	1039.8	1054.3	1060.6	1065.3
4°	1003.7	1022.5	1040.5	1057.1	1064.8	1070.3
4.5°	999.9	1021.0	1041.3	1059.6	1068.8	1074.8
5°	995.9	1019.2	1041.8	1061.8	1072.8	1079.4
5.5°	992.1	1017.4	1042.3	1064.1	1076.4	1083.9
6°	988.1	1015.7	1042.5	1066.3	1080.1	1088.1
6.5°	983.9	1013.7	1042.5	1068.3	1083.6	1092.1
7°	979.6	1011.4	1042.5	1070.3	1086.9	1096.2
7.5°	975.1	1009.4	1042.5	1071.8	1090.1	1099.9
8°	970.6	1006.9	1042.3	1073.3	1093.1	1103.4
8.5°	966.1	1004.7	1042.0	1074.8	1095.9	1106.7
9°	961.5	1001.9	1041.3	1076.1	1098.7	1109.9
9.5°	956.8	999.4	1040.8	1077.1	1101.2	1113.2
10°	951.8	996.4	1040.0	1078.1	1103.4	1116.0
10.5°	947.0	993.6	1039.3	1078.9	1105.7	1118.7
11°	942.0	990.6	1038.3	1079.6	1107.7	1121.5
11.5°	936.7	987.6	1037.0	1080.1	1109.4	1123.7
12°	931.5	984.4	1035.7	1080.6	1111.2	1126.0
12.5°	926.2	981.1	1034.5	1080.9	1112.7	1128.0
13°	920.9	977.6	1032.7	1080.9	1114.0	1130.0
13.5°	915.4	974.1	1031.2	1080.6	1115.2	1131.5
14°	909.9	970.6	1029.5	1080.4	1116.2	1133.0
14.5°	904.1	966.8	1027.5	1080.1	1117.0	1134.5
15°	898.4	963.1	1025.5	1079.4	1117.5	1135.5
15.5°	892.6	959.0	1023.2	1078.6	1118.0	1136.5
16°	886.8	955.0	1021.0	1077.9	1118.5	1137.3
16.5°	880.8	951.0	1018.7	1076.9	1118.5	1138.0
17°	874.8	946.8	1016.2	1075.6	1118.5	1138.3
17.5°	868.6	942.5	1013.4	1074.3	1118.2	1138.5
18°	862.5	938.0	1010.7	1072.8	1117.7	1138.8
18.5°	856.3	933.5	1007.9	1071.1	1117.2	1138.5
19°	850.0	929.0	1004.9	1069.3	1116.5	1138.3
19.5°	843.7	924.4	1001.7	1067.3	1115.5	1137.8
20°	837.2	919.7	998.6	1065.3	1114.2	1137.0
20.5°	830.7	914.9	995.1	1063.1	1112.9	1136.3
21°	824.2	909.9	991.6	1060.3	1111.4	1135.0

TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	804.4	894.9	980.6	1052.3	1105.9	1130.7
23°	797.6	889.6	976.8	1049.3	1103.7	1129.0
23.5°	790.8	884.3	972.8	1046.0	1101.4	1127.0
24°	784.1	879.1	968.8	1042.8	1098.9	1124.7
24.5°	777.1	873.6	964.6	1039.3	1096.2	1122.5
25°	770.3	867.8	960.3	1035.7	1093.1	1120.0
25.5°	763.3	862.0	955.8	1032.0	1089.9	1117.0
26°	756.3	856.3	951.3	1028.0	1086.9	1114.0
26.5°	749.0	850.3	946.5	1024.0	1083.4	1110.9
27°	742.0	844.2	941.7	1019.7	1079.6	1107.7
27.5°	734.7	838.0	936.7	1015.4	1075.8	1104.2
28°	727.4	831.5	931.5	1010.9	1071.8	1100.2
28.5°	719.7	824.9	926.2	1006.4	1067.6	1096.4
29°	712.4	818.2	920.7	1001.7	1063.3	1092.1
29.5°	704.6	811.1	915.2	996.9	1058.6	1087.9
30°	696.8	803.9	909.2	991.9	1054.0	1083.4
30.5°	689.1	796.6	902.9	986.9	1049.3	1078.9
31°	681.1	789.3	896.9	981.3	1044.3	1073.8
31.5°	673.3	781.6	890.4	976.1	1039.0	1068.8
32°	665.3	773.8	883.6	970.6	1033.7	1063.8
32.5°	657.0	766.0	876.6	964.8	1028.2	1058.3
33°	649.0	758.0	869.6	959.0	1022.5	1053.0
33.5°	640.4	750.0	862.3	952.8	1016.7	1047.5
34°	631.9	741.5	854.8	946.8	1010.9	1041.8
34.5°	623.7	733.4	847.0	940.5	1004.9	1036.0
35°	615.6	724.9	839.2	934.0	998.6	1030.5
35.5°	606.9	716.4	831.2	927.5	992.4	1025.0
36°	598.3	707.4	823.2	920.7	986.1	1019.7
36.5°	589.8	698.6	814.7	913.7	979.6	1013.7
37°	581.5	689.6	806.1	906.4	973.1	1006.7
37.5°	572.8	680.3	797.4	899.1	966.6	997.9
38°	564.2	670.8	788.3	891.6	960.3	985.1
38.5°	555.5	661.3	779.1	883.8	954.0	971.8
39°	547.2	651.7	769.8	876.1	948.0	955.8
39.5°	537.9	642.2	759.8	868.0	940.7	938.0
40°	529.4	631.9	750.0	859.8	933.2	918.9
40.5°	520.6	621.6	739.7	851.5	921.4	898.1
41°	511.9	611.4	728.9	843.2	909.9	878.3
41.5°	503.1	600.8	717.9	834.5	894.9	856.8
42°	494.3	590.1	706.9	825.7	879.3	836.2
42.5°	485.5	579.0	695.3	816.9	861.0	814.7
43°	476.8	567.8	683.3	808.1	844.0	793.4
43.5°	467.7	556.5	670.8	798.9	824.4	771.5

TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	440.9	521.6	630.9	770.5	767.0	708.6
45.5°	431.6	509.6	617.1	760.8	747.0	686.8
46°	422.6	498.1	602.6	751.5	727.7	667.8
46.5°	413.6	486.3	588.3	741.5	707.9	646.5
47°	404.6	474.3	573.5	731.9	688.8	628.7
47.5°	395.8	462.5	559.0	721.2	668.8	607.6
48°	386.5	450.7	544.2	710.1	650.2	591.1
48.5°	377.8	438.9	529.2	697.8	630.9	571.3
49°	368.7	427.4	514.4	682.1	613.1	555.7
49.5°	360.0	416.1	499.8	667.0	594.6	536.9
50°	351.2	404.3	485.0	649.2	577.8	522.4
50.5°	342.2	393.0	470.2	631.2	559.5	504.8
51°	333.6	381.8	455.5	612.4	542.9	491.3
51.5°	324.9	371.0	441.2	592.8	526.4	475.0
52°	316.3	360.0	427.1	573.0	511.1	462.0
52.5°	307.8	349.4	413.3	554.5	494.8	447.4
53°	299.3	339.1	399.3	535.2	479.3	435.2
53.5°	291.3	329.1	386.0	516.4	465.2	421.6
54°	283.0	318.8	373.2	497.6	450.4	409.6
54.5°	275.0	309.3	360.7	479.8	437.2	397.6
55°	267.0	299.8	348.7	462.5	422.4	386.3
55.5°	259.2	290.8	336.6	444.9	410.6	375.5
56°	251.4	281.7	325.1	428.6	396.6	364.5
56.5°	244.1	273.0	314.3	412.3	385.8	354.9
57°	236.6	264.2	303.6	397.1	372.2	343.9
57.5°	229.4	255.9	293.3	382.0	362.2	335.6
58°	222.3	247.9	283.3	367.7	349.9	325.4
58.5°	215.8	240.1	274.0	353.9	340.2	317.8
59°	209.3	232.6	265.0	340.2	329.4	307.8
59.5°	202.8	225.1	256.2	328.1	319.3	301.0
60°	196.3	217.8	247.4	315.6	309.8	291.8
60.5°	189.5	210.6	239.4	303.8	300.3	284.3
61°	183.2	203.8	231.4	292.3	291.8	276.2
61.5°	177.5	197.3	223.8	281.5	282.2	268.7
62°	171.5	190.8	216.6	271.2	274.7	261.4
62.5°	165.7	184.2	209.6	261.4	266.0	254.2
63°	159.9	178.2	202.3	251.9	258.2	247.2
63.5°	154.7	172.2	195.8	242.9	250.4	240.4
64°	149.4	166.2	189.3	233.6	242.4	233.9
64.5°	144.1	160.4	183.0	225.6	235.4	227.1
65°	138.9	155.2	176.7	217.3	227.9	220.8
65.5°	133.9	149.4	170.7	209.8	221.3	214.6
66°	129.1	144.1	164.9	202.0	214.3	208.3



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL5125CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	115.3	128.8	148.4	181.5	194.5	190.5
68°	111.0	124.3	142.9	174.5	188.5	185.0
68.5°	106.8	119.6	137.9	168.4	182.5	179.2
69°	102.8	115.1	132.9	162.2	176.2	173.7
69.5°	98.5	110.5	128.1	156.2	170.5	168.4
70°	94.8	106.3	123.3	150.4	164.7	162.7
70.5°	90.7	101.8	118.6	144.6	158.9	157.4
71°	87.0	97.8	113.8	139.1	153.7	152.2
71.5°	83.5	93.5	109.5	133.6	148.1	146.9
72°	80.0	90.0	105.0	128.3	142.6	141.9
72.5°	76.5	86.2	100.8	123.3	137.4	136.9
73°	72.9	82.5	96.5	118.1	132.1	131.8
73.5°	69.7	78.7	92.2	113.3	127.1	126.6
74°	66.4	74.9	88.5	108.5	122.1	121.8
74.5°	63.4	71.4	84.7	103.5	117.1	117.1
75°	60.4	67.9	81.0	99.0	112.0	112.0
75.5°	57.4	64.4	77.0	94.5	107.3	107.5
76°	54.4	61.2	73.2	89.2	102.8	102.8
76.5°	51.6	57.9	69.4	85.2	98.0	98.0
77°	49.1	54.9	65.9	81.2	93.2	93.5
77.5°	46.6	51.6	62.4	77.2	88.7	89.2
78°	43.9	48.6	58.9	72.9	84.5	85.0
78.5°	41.4	45.9	55.6	68.9	80.2	80.5
79°	39.1	42.9	52.1	64.9	76.0	76.2
79.5°	36.8	40.1	48.9	60.9	71.4	71.7
80°	34.6	37.3	45.6	56.9	67.2	67.4
80.5°	32.3	34.8	42.6	53.1	62.9	63.2
81°	30.1	32.1	39.6	49.4	58.9	59.2
81.5°	27.8	29.6	36.6	45.6	54.9	54.9
82°	25.8	27.3	33.6	41.9	50.6	50.9
82.5°	23.6	24.8	30.8	38.4	46.9	46.9
83°	21.6	22.6	28.1	34.8	42.9	42.9
83.5°	19.6	20.3	25.3	31.3	39.1	38.9
84°	17.5	18.0	22.6	28.1	35.1	35.1
84.5°	15.5	16.0	20.1	24.8	31.3	31.3
85°	13.5	13.8	17.5	21.8	27.8	27.6
85.5°	11.5	12.0	15.0	19.1	24.1	23.8
86°	9.5	10.0	12.8	16.0	20.6	20.1
86.5°	7.8	8.3	10.5	13.3	17.3	16.3
87°	5.8	6.5	8.5	10.8	14.3	12.8
87.5°	3.8	4.8	6.5	8.0	11.5	10.3
88°	2.0	3.0	4.5	6.0	9.0	8.3
88.5°	0.5	1.3	2.5	4.0	6.8	6.3



TEST NUMBER: P776212

CATALOG NUMBER: HCDJBL51525CSD-HCD8TSQH-HCD8TSQLWW-2500lm-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.3	0.3

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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Scaled Data Report



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Scaled Data Report





21.5°	1133.8	1128.5	1092.6	1031.0	945.5	855.0	776.1	715.1	694.6	705.1	747.7
22°	1132.5	1127.0	1090.6	1028.0	941.2	849.0	768.5	706.9	685.8	696.8	739.7



44°	750.5	801.9	847.0	724.4	586.1	492.3	408.6	341.4	323.1	333.1	382.0
44.5°	728.9	780.8	838.7	711.4	573.8	482.8	400.1	333.9	316.3	326.1	374.0



66.5°	202.5	206.3	206.0	171.5	143.9	133.1	117.6	118.6	117.6	118.1	113.8
67°	196.5	200.0	198.8	165.4	138.6	128.3	113.8	115.3	114.1	114.8	110.3



89°	4.3	4.3	4.3	2.5	0.8	0.5	0.5	0.3	0.0	0.3	0.3
89.5°	2.3	2.3	2.3	0.5	0.0	0.0	0.0	0.3	0.0	0.3	0.0

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Scaled Data Report





21.5°	817.7	904.9	988.1	1057.8	1109.9	1133.8
22°	811.1	899.9	984.4	1055.3	1107.9	1132.5



44°	458.7	544.9	658.0	789.6	806.1	750.5
44.5°	449.9	533.4	644.7	780.1	786.1	728.9



66.5°	124.6	139.1	159.2	195.0	207.5	202.5
67°	119.8	134.1	153.7	188.0	201.3	196.5

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Scaled Data Report



89°	0.0	0.3	0.5	2.0	4.5	4.3
89.5°	0.0	0.0	0.0	0.3	2.5	2.3

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)