

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: P776091

Luminaire Tested: HCDJBS1525CSD-HCD6TRMB-2500lm-3000K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B001-HCD6TRMB)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TRMB-2500lm-3000K
Description: 6 INCH ROUND MEDIUM MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1826.6 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

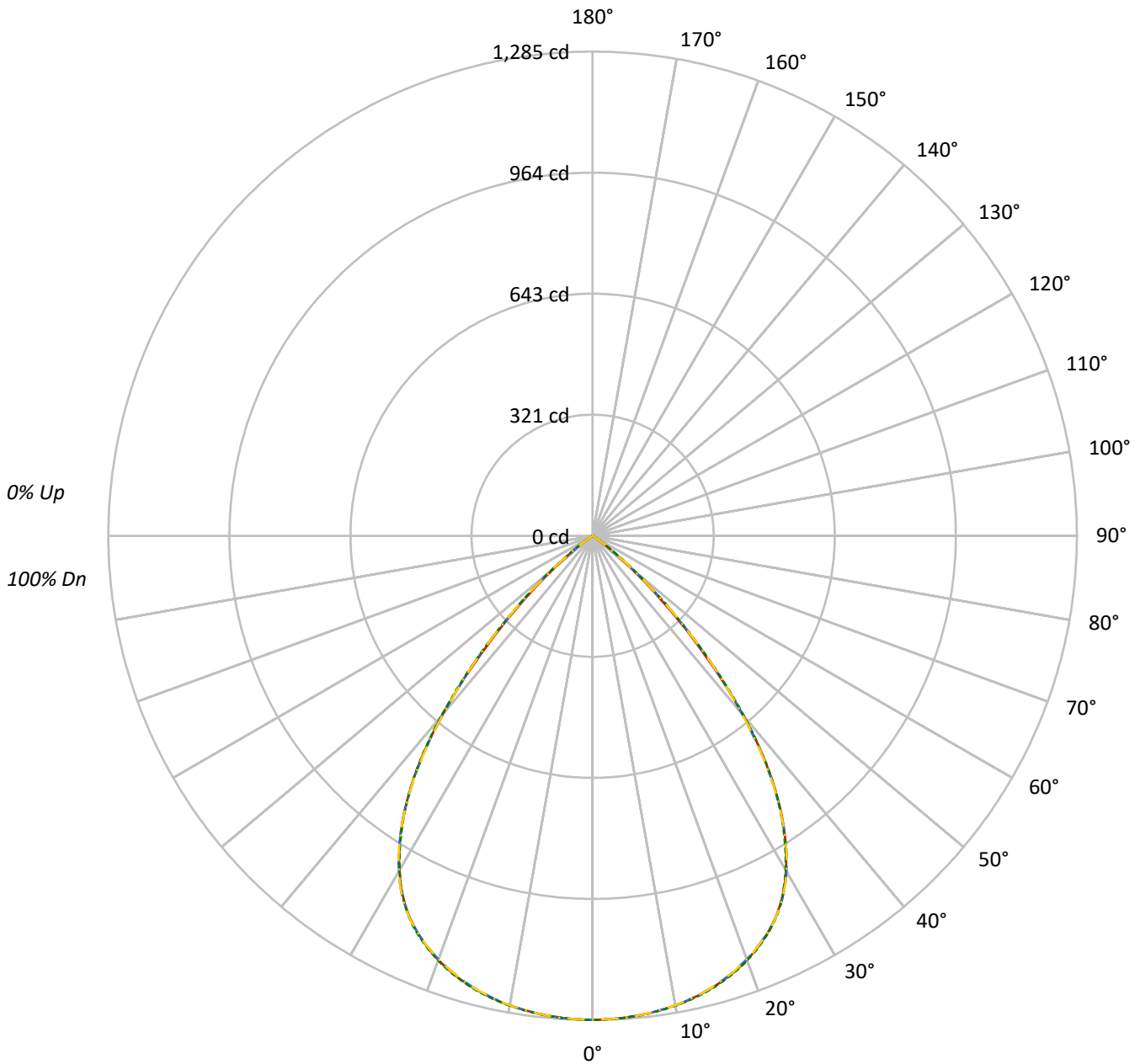
Input Watts (W): 25
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92					92			
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84					84			
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77					77			
4	94	86	80	75	92	85	79	75	83	78	74	80	76	73	79	75	72	70					70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64					64			
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59					59			
7	79	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	56	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50					50			
9	70	59	52	48	69	58	52	48	57	52	48	57	51	47	56	51	47	46					46			
10	66	55	49	44	65	55	48	44	54	48	44	53	48	44	52	47	44	42					42			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	70422	70422	70422	70422
5°	70416	70443	70416	70443
10°	70434	70490	70434	70490
15°	70352	70437	70352	70437
20°	69872	69959	69872	69959
25°	68532	68665	68532	68665
30°	64921	64826	64921	64826
35°	57547	57366	57547	57366
40°	44383	44755	44383	44755
45°	26530	27848	26530	27848
50°	10968	12614	10968	12614
55°	2122	2504	2122	2504
60°	164	164	164	164
65°	65	65	65	65
70°	32	32	32	32
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 27910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	6.7
10°-20°	349.5	19.1
20°-30°	519.0	28.4
30°-40°	526.0	28.8
40°-50°	275.3	15.1
50°-60°	34.4	1.9
60°-70°	0.6	0.0
70°-80°	0.1	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	990.2	54.2
0°-40°	1516.2	83.0
0°-60°	1825.9	100.0
0°-90°	1826.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1826.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1285	1285	1285	1285	1285	
5°	1280	1280	1280	1280	1280	122
15°	1240	1241	1240	1241	1240	350
25°	1133	1135	1133	1135	1133	519
35°	860	857	860	857	860	527
45°	342	359	342	359	342	268
55°	22	26	22	26	22	32
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6
0.5°	1284.6	1284.3	1284.3	1284.3	1284.8	1284.3	1284.3	1284.3	1284.6	1284.3	1284.3
1°	1284.3	1284.3	1284.1	1284.1	1284.8	1284.1	1284.1	1284.3	1284.3	1284.3	1284.1
1.5°	1284.1	1284.1	1283.8	1283.8	1284.6	1283.8	1283.8	1284.1	1284.1	1284.1	1283.8
2°	1283.8	1283.6	1283.6	1283.6	1284.1	1283.6	1283.6	1283.6	1283.8	1283.6	1283.6
2.5°	1283.3	1283.1	1283.1	1283.1	1283.8	1283.1	1283.1	1283.1	1283.3	1283.1	1283.1
3°	1282.6	1282.6	1282.6	1282.6	1283.3	1282.6	1282.6	1282.6	1282.6	1282.6	1282.6
3.5°	1282.1	1282.1	1282.1	1281.9	1282.6	1281.9	1282.1	1282.1	1282.1	1282.1	1282.1
4°	1281.4	1281.4	1281.4	1281.4	1281.9	1281.4	1281.4	1281.4	1281.4	1281.4	1281.4
4.5°	1280.4	1280.4	1280.4	1280.4	1281.1	1280.4	1280.4	1280.4	1280.4	1280.4	1280.4
5°	1279.6	1279.6	1279.6	1279.6	1280.1	1279.6	1279.6	1279.6	1279.6	1279.6	1279.6
5.5°	1278.7	1278.7	1278.7	1278.7	1279.4	1278.7	1278.7	1278.7	1278.7	1278.7	1278.7
6°	1277.7	1277.4	1277.4	1277.4	1278.2	1277.4	1277.4	1277.4	1277.7	1277.4	1277.4
6.5°	1276.4	1276.2	1276.4	1276.4	1277.2	1276.4	1276.4	1276.2	1276.4	1276.2	1276.4
7°	1275.2	1275.0	1275.0	1275.2	1275.7	1275.2	1275.0	1275.0	1275.2	1275.0	1275.0
7.5°	1273.7	1273.7	1273.7	1273.7	1274.5	1273.7	1273.7	1273.7	1273.7	1273.7	1273.7
8°	1272.2	1272.2	1272.2	1272.2	1273.0	1272.2	1272.2	1272.2	1272.2	1272.2	1272.2
8.5°	1270.8	1270.5	1270.5	1270.8	1271.5	1270.8	1270.5	1270.5	1270.8	1270.5	1270.5
9°	1269.0	1269.0	1269.0	1269.0	1269.8	1269.0	1269.0	1269.0	1269.0	1269.0	1269.0
9.5°	1267.3	1267.1	1267.1	1267.3	1268.0	1267.3	1267.1	1267.1	1267.3	1267.1	1267.1
10°	1265.3	1265.3	1265.1	1265.3	1266.3	1265.3	1265.1	1265.3	1265.3	1265.3	1265.1
10.5°	1263.6	1263.1	1263.1	1263.3	1264.3	1263.3	1263.1	1263.1	1263.6	1263.1	1263.1
11°	1261.4	1261.1	1260.9	1261.4	1262.4	1261.4	1260.9	1261.1	1261.4	1261.1	1260.9
11.5°	1259.2	1258.7	1258.7	1259.2	1260.1	1259.2	1258.7	1258.7	1259.2	1258.7	1258.7
12°	1256.7	1256.4	1256.2	1256.7	1257.9	1256.7	1256.2	1256.4	1256.7	1256.4	1256.2
12.5°	1254.2	1253.7	1253.5	1254.2	1255.4	1254.2	1253.5	1253.7	1254.2	1253.7	1253.5
13°	1251.7	1251.3	1250.8	1251.5	1253.0	1251.5	1250.8	1251.3	1251.7	1251.3	1250.8
13.5°	1248.8	1248.3	1248.0	1248.8	1250.3	1248.8	1248.0	1248.3	1248.8	1248.3	1248.0
14°	1246.1	1245.3	1244.8	1245.8	1247.3	1245.8	1244.8	1245.3	1246.1	1245.3	1244.8
14.5°	1242.9	1242.4	1241.9	1242.6	1244.3	1242.6	1241.9	1242.4	1242.9	1242.4	1241.9
15°	1239.6	1238.9	1238.4	1239.4	1241.1	1239.4	1238.4	1238.9	1239.6	1238.9	1238.4
15.5°	1236.2	1235.5	1235.0	1235.9	1237.7	1235.9	1235.0	1235.5	1236.2	1235.5	1235.0
16°	1232.7	1232.0	1231.3	1232.5	1234.2	1232.5	1231.3	1232.0	1232.7	1232.0	1231.3
16.5°	1229.0	1228.0	1227.5	1228.8	1230.5	1228.8	1227.5	1228.0	1229.0	1228.0	1227.5
17°	1225.1	1224.1	1223.6	1224.8	1226.6	1224.8	1223.6	1224.1	1225.1	1224.1	1223.6
17.5°	1220.9	1220.1	1219.4	1220.6	1222.6	1220.6	1219.4	1220.1	1220.9	1220.1	1219.4
18°	1216.7	1215.7	1215.0	1216.4	1218.2	1216.4	1215.0	1215.7	1216.7	1215.7	1215.0
18.5°	1212.0	1211.3	1210.5	1212.0	1213.7	1212.0	1210.5	1211.3	1212.0	1211.3	1210.5
19°	1207.6	1206.6	1205.8	1207.3	1209.0	1207.3	1205.8	1206.6	1207.6	1206.6	1205.8
19.5°	1202.6	1201.9	1200.9	1202.4	1204.3	1202.4	1200.9	1201.9	1202.6	1201.9	1200.9
20°	1197.7	1196.7	1195.9	1197.4	1199.2	1197.4	1195.9	1196.7	1197.7	1196.7	1195.9
20.5°	1192.2	1191.5	1190.8	1192.2	1194.0	1192.2	1190.8	1191.5	1192.2	1191.5	1190.8
21°	1186.8	1186.1	1185.3	1186.8	1188.3	1186.8	1185.3	1186.1	1186.8	1186.1	1185.3



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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°	1168.8	1168.0	1167.8	1169.0	1170.5	1169.0	1167.8	1168.0	1168.8	1168.0	1167.8
23°	1162.1	1161.6	1161.4	1162.9	1163.9	1162.9	1161.4	1161.6	1162.1	1161.6	1161.4
23.5°	1155.2	1155.0	1155.0	1156.2	1157.2	1156.2	1155.0	1155.0	1155.2	1155.0	1155.0
24°	1148.3	1148.1	1148.3	1149.0	1150.3	1149.0	1148.3	1148.1	1148.3	1148.1	1148.3
24.5°	1140.9	1140.9	1141.1	1141.9	1142.9	1141.9	1141.1	1140.9	1140.9	1140.9	1141.1
25°	1133.0	1133.2	1133.7	1134.2	1135.2	1134.2	1133.7	1133.2	1133.0	1133.2	1133.7
25.5°	1124.8	1125.1	1125.8	1125.8	1126.8	1125.8	1125.8	1125.1	1124.8	1125.1	1125.8
26°	1116.0	1116.4	1117.2	1117.2	1118.2	1117.2	1117.2	1116.4	1116.0	1116.4	1117.2
26.5°	1106.8	1107.6	1108.5	1108.1	1108.5	1108.1	1108.5	1107.6	1106.8	1107.6	1108.5
27°	1096.9	1097.9	1098.9	1098.2	1098.7	1098.2	1098.9	1097.9	1096.9	1097.9	1098.9
27.5°	1086.6	1087.8	1088.8	1087.8	1087.8	1087.8	1088.8	1087.8	1086.6	1087.8	1088.8
28°	1075.5	1076.9	1078.2	1076.7	1076.0	1076.7	1078.2	1076.9	1075.5	1076.9	1078.2
28.5°	1063.9	1065.6	1066.8	1065.1	1063.9	1065.1	1066.8	1065.6	1063.9	1065.6	1066.8
29°	1051.8	1053.5	1054.7	1053.0	1051.3	1053.0	1054.7	1053.5	1051.8	1053.5	1054.7
29.5°	1038.9	1040.9	1042.1	1040.2	1037.9	1040.2	1042.1	1040.9	1038.9	1040.9	1042.1
30°	1025.6	1027.1	1028.6	1026.3	1024.1	1026.3	1028.6	1027.1	1025.6	1027.1	1028.6
30.5°	1011.8	1013.2	1014.5	1012.0	1009.5	1012.0	1014.5	1013.2	1011.8	1013.2	1014.5
31°	997.2	998.4	999.7	997.4	994.7	997.4	999.7	998.4	997.2	998.4	999.7
31.5°	982.1	982.9	984.1	981.6	979.2	981.6	984.1	982.9	982.1	982.9	984.1
32°	966.6	966.6	967.8	965.3	963.4	965.3	967.8	966.6	966.6	966.6	967.8
32.5°	950.3	950.0	950.8	948.3	946.8	948.3	950.8	950.0	950.3	950.0	950.8
33°	933.5	932.5	933.3	930.8	930.3	930.8	933.3	932.5	933.5	932.5	933.3
33.5°	916.5	914.7	915.0	912.8	912.5	912.8	915.0	914.7	916.5	914.7	915.0
34°	898.2	896.2	896.2	893.8	895.0	893.8	896.2	896.2	898.2	896.2	896.2
34.5°	879.4	877.2	876.7	874.2	876.5	874.2	876.7	877.2	879.4	877.2	876.7
35°	859.9	857.5	856.5	854.7	857.2	854.7	856.5	857.5	859.9	857.5	856.5
35.5°	839.4	837.5	835.7	834.7	837.5	834.7	835.7	837.5	839.4	837.5	835.7
36°	818.2	816.7	814.3	813.8	817.0	813.8	814.3	816.7	818.2	816.7	814.3
36.5°	796.2	795.0	792.0	792.3	796.0	792.3	792.0	795.0	796.2	795.0	792.0
37°	773.3	772.5	769.1	770.3	773.8	770.3	769.1	772.5	773.3	772.5	769.1
37.5°	749.6	749.3	745.1	747.3	750.6	747.3	745.1	749.3	749.6	749.3	745.1
38°	725.4	725.1	720.4	723.6	726.9	723.6	720.4	725.1	725.4	725.1	720.4
38.5°	700.2	699.9	694.8	699.2	702.4	699.2	694.8	699.9	700.2	699.9	694.8
39°	674.5	673.8	668.8	674.5	677.5	674.5	668.8	673.8	674.5	673.8	668.8
39.5°	648.1	646.9	642.4	648.8	651.8	648.8	642.4	646.9	648.1	646.9	642.4
40°	620.2	619.2	615.5	622.2	625.4	622.2	615.5	619.2	620.2	619.2	615.5
40.5°	592.5	591.3	588.8	595.3	598.0	595.3	588.8	591.3	592.5	591.3	588.8
41°	564.1	563.4	562.9	568.3	570.8	568.3	562.9	563.4	564.1	563.4	562.9
41.5°	536.0	535.3	537.0	541.4	543.7	541.4	537.0	535.3	536.0	535.3	537.0
42°	507.4	507.6	511.3	514.3	517.0	514.3	511.3	507.6	507.4	507.6	511.3
42.5°	479.0	480.2	485.4	487.9	490.3	487.9	485.4	480.2	479.0	480.2	485.4
43°	450.6	453.0	459.5	461.7	463.4	461.7	459.5	453.0	450.6	453.0	459.5
43.5°	422.7	426.1	433.5	435.8	436.8	435.8	433.5	426.1	422.7	426.1	433.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	342.2	347.1	357.0	360.0	359.2	360.0	357.0	347.1	342.2	347.1	357.0
45.5°	316.8	321.9	332.3	336.3	334.3	336.3	332.3	321.9	316.8	321.9	332.3
46°	291.8	298.0	308.9	312.8	309.9	312.8	308.9	298.0	291.8	298.0	308.9
46.5°	269.1	274.5	285.4	289.1	286.4	289.1	285.4	274.5	269.1	274.5	285.4
47°	246.4	251.6	262.2	266.4	263.4	266.4	262.2	251.6	246.4	251.6	262.2
47.5°	224.4	229.4	239.2	243.9	241.7	243.9	239.2	229.4	224.4	229.4	239.2
48°	202.7	207.9	217.5	222.7	221.2	222.7	217.5	207.9	202.7	207.9	217.5
48.5°	182.0	187.6	196.8	202.5	201.2	202.5	196.8	187.6	182.0	187.6	196.8
49°	162.9	168.4	176.8	182.9	183.2	182.9	176.8	168.4	162.9	168.4	176.8
49.5°	145.4	149.6	157.5	164.4	165.4	164.4	157.5	149.6	145.4	149.6	157.5
50°	128.6	132.3	139.0	146.4	147.9	146.4	139.0	132.3	128.6	132.3	139.0
50.5°	112.8	115.8	121.5	129.1	130.9	129.1	121.5	115.8	112.8	115.8	121.5
51°	98.3	101.0	106.4	113.1	114.8	113.1	106.4	101.0	98.3	101.0	106.4
51.5°	85.2	87.4	92.1	98.0	100.7	98.0	92.1	87.4	85.2	87.4	92.1
52°	72.8	74.8	78.8	83.9	86.9	83.9	78.8	74.8	72.8	74.8	78.8
52.5°	62.5	63.0	65.9	70.9	73.6	70.9	65.9	63.0	62.5	63.0	65.9
53°	52.8	52.6	55.1	59.7	61.7	59.7	55.1	52.6	52.8	52.6	55.1
53.5°	43.5	43.9	45.9	50.1	50.9	50.1	45.9	43.9	43.5	43.9	45.9
54°	35.3	36.0	37.3	41.0	41.0	41.0	37.3	36.0	35.3	36.0	37.3
54.5°	28.4	28.9	29.4	32.6	32.3	32.6	29.4	28.9	28.4	28.9	29.4
55°	22.2	22.0	22.5	25.2	26.2	25.2	22.5	22.0	22.2	22.0	22.5
55.5°	16.3	16.3	17.0	18.8	20.2	18.8	17.0	16.3	16.3	16.3	17.0
56°	10.9	11.6	12.8	14.3	15.6	14.3	12.8	11.6	10.9	11.6	12.8
56.5°	7.4	7.7	9.4	10.1	11.1	10.1	9.4	7.7	7.4	7.7	9.4
57°	5.9	5.4	6.2	6.7	6.7	6.7	6.2	5.4	5.9	5.4	6.2
57.5°	4.7	4.2	4.4	4.9	4.4	4.9	4.4	4.2	4.7	4.2	4.4
58°	3.7	3.5	3.7	4.0	3.2	4.0	3.7	3.5	3.7	3.5	3.7
58.5°	2.5	2.7	3.0	3.2	2.7	3.2	3.0	2.7	2.5	2.7	3.0
59°	2.2	2.2	2.2	2.5	2.2	2.5	2.2	2.2	2.2	2.2	2.2
59.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
61°	1.0	1.0	1.0	1.2	1.0	1.2	1.0	1.0	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
62°	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0
62.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
63°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
63.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
64°	0.5	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TRMB-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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
73.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.2
74°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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: P776091

CATALOG NUMBER: HCDJBLS1525CSD-HCD6TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1284.6	1284.6	1284.6	1284.6	1284.6	1284.6
0.5°	1284.3	1284.8	1284.3	1284.3	1284.3	1284.6
1°	1284.1	1284.8	1284.1	1284.1	1284.3	1284.3
1.5°	1283.8	1284.6	1283.8	1283.8	1284.1	1284.1
2°	1283.6	1284.1	1283.6	1283.6	1283.6	1283.8
2.5°	1283.1	1283.8	1283.1	1283.1	1283.1	1283.3
3°	1282.6	1283.3	1282.6	1282.6	1282.6	1282.6
3.5°	1281.9	1282.6	1281.9	1282.1	1282.1	1282.1
4°	1281.4	1281.9	1281.4	1281.4	1281.4	1281.4
4.5°	1280.4	1281.1	1280.4	1280.4	1280.4	1280.4
5°	1279.6	1280.1	1279.6	1279.6	1279.6	1279.6
5.5°	1278.7	1279.4	1278.7	1278.7	1278.7	1278.7
6°	1277.4	1278.2	1277.4	1277.4	1277.4	1277.7
6.5°	1276.4	1277.2	1276.4	1276.4	1276.2	1276.4
7°	1275.2	1275.7	1275.2	1275.0	1275.0	1275.2
7.5°	1273.7	1274.5	1273.7	1273.7	1273.7	1273.7
8°	1272.2	1273.0	1272.2	1272.2	1272.2	1272.2
8.5°	1270.8	1271.5	1270.8	1270.5	1270.5	1270.8
9°	1269.0	1269.8	1269.0	1269.0	1269.0	1269.0
9.5°	1267.3	1268.0	1267.3	1267.1	1267.1	1267.3
10°	1265.3	1266.3	1265.3	1265.1	1265.3	1265.3
10.5°	1263.3	1264.3	1263.3	1263.1	1263.1	1263.6
11°	1261.4	1262.4	1261.4	1260.9	1261.1	1261.4
11.5°	1259.2	1260.1	1259.2	1258.7	1258.7	1259.2
12°	1256.7	1257.9	1256.7	1256.2	1256.4	1256.7
12.5°	1254.2	1255.4	1254.2	1253.5	1253.7	1254.2
13°	1251.5	1253.0	1251.5	1250.8	1251.3	1251.7
13.5°	1248.8	1250.3	1248.8	1248.0	1248.3	1248.8
14°	1245.8	1247.3	1245.8	1244.8	1245.3	1246.1
14.5°	1242.6	1244.3	1242.6	1241.9	1242.4	1242.9
15°	1239.4	1241.1	1239.4	1238.4	1238.9	1239.6
15.5°	1235.9	1237.7	1235.9	1235.0	1235.5	1236.2
16°	1232.5	1234.2	1232.5	1231.3	1232.0	1232.7
16.5°	1228.8	1230.5	1228.8	1227.5	1228.0	1229.0
17°	1224.8	1226.6	1224.8	1223.6	1224.1	1225.1
17.5°	1220.6	1222.6	1220.6	1219.4	1220.1	1220.9
18°	1216.4	1218.2	1216.4	1215.0	1215.7	1216.7
18.5°	1212.0	1213.7	1212.0	1210.5	1211.3	1212.0
19°	1207.3	1209.0	1207.3	1205.8	1206.6	1207.6
19.5°	1202.4	1204.3	1202.4	1200.9	1201.9	1202.6
20°	1197.4	1199.2	1197.4	1195.9	1196.7	1197.7
20.5°	1192.2	1194.0	1192.2	1190.8	1191.5	1192.2
21°	1186.8	1188.3	1186.8	1185.3	1186.1	1186.8



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1169.0	1170.5	1169.0	1167.8	1168.0	1168.8
23°	1162.9	1163.9	1162.9	1161.4	1161.6	1162.1
23.5°	1156.2	1157.2	1156.2	1155.0	1155.0	1155.2
24°	1149.0	1150.3	1149.0	1148.3	1148.1	1148.3
24.5°	1141.9	1142.9	1141.9	1141.1	1140.9	1140.9
25°	1134.2	1135.2	1134.2	1133.7	1133.2	1133.0
25.5°	1125.8	1126.8	1125.8	1125.8	1125.1	1124.8
26°	1117.2	1118.2	1117.2	1117.2	1116.4	1116.0
26.5°	1108.1	1108.5	1108.1	1108.5	1107.6	1106.8
27°	1098.2	1098.7	1098.2	1098.9	1097.9	1096.9
27.5°	1087.8	1087.8	1087.8	1088.8	1087.8	1086.6
28°	1076.7	1076.0	1076.7	1078.2	1076.9	1075.5
28.5°	1065.1	1063.9	1065.1	1066.8	1065.6	1063.9
29°	1053.0	1051.3	1053.0	1054.7	1053.5	1051.8
29.5°	1040.2	1037.9	1040.2	1042.1	1040.9	1038.9
30°	1026.3	1024.1	1026.3	1028.6	1027.1	1025.6
30.5°	1012.0	1009.5	1012.0	1014.5	1013.2	1011.8
31°	997.4	994.7	997.4	999.7	998.4	997.2
31.5°	981.6	979.2	981.6	984.1	982.9	982.1
32°	965.3	963.4	965.3	967.8	966.6	966.6
32.5°	948.3	946.8	948.3	950.8	950.0	950.3
33°	930.8	930.3	930.8	933.3	932.5	933.5
33.5°	912.8	912.5	912.8	915.0	914.7	916.5
34°	893.8	895.0	893.8	896.2	896.2	898.2
34.5°	874.2	876.5	874.2	876.7	877.2	879.4
35°	854.7	857.2	854.7	856.5	857.5	859.9
35.5°	834.7	837.5	834.7	835.7	837.5	839.4
36°	813.8	817.0	813.8	814.3	816.7	818.2
36.5°	792.3	796.0	792.3	792.0	795.0	796.2
37°	770.3	773.8	770.3	769.1	772.5	773.3
37.5°	747.3	750.6	747.3	745.1	749.3	749.6
38°	723.6	726.9	723.6	720.4	725.1	725.4
38.5°	699.2	702.4	699.2	694.8	699.9	700.2
39°	674.5	677.5	674.5	668.8	673.8	674.5
39.5°	648.8	651.8	648.8	642.4	646.9	648.1
40°	622.2	625.4	622.2	615.5	619.2	620.2
40.5°	595.3	598.0	595.3	588.8	591.3	592.5
41°	568.3	570.8	568.3	562.9	563.4	564.1
41.5°	541.4	543.7	541.4	537.0	535.3	536.0
42°	514.3	517.0	514.3	511.3	507.6	507.4
42.5°	487.9	490.3	487.9	485.4	480.2	479.0
43°	461.7	463.4	461.7	459.5	453.0	450.6
43.5°	435.8	436.8	435.8	433.5	426.1	422.7



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-2500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	360.0	359.2	360.0	357.0	347.1	342.2
45.5°	336.3	334.3	336.3	332.3	321.9	316.8
46°	312.8	309.9	312.8	308.9	298.0	291.8
46.5°	289.1	286.4	289.1	285.4	274.5	269.1
47°	266.4	263.4	266.4	262.2	251.6	246.4
47.5°	243.9	241.7	243.9	239.2	229.4	224.4
48°	222.7	221.2	222.7	217.5	207.9	202.7
48.5°	202.5	201.2	202.5	196.8	187.6	182.0
49°	182.9	183.2	182.9	176.8	168.4	162.9
49.5°	164.4	165.4	164.4	157.5	149.6	145.4
50°	146.4	147.9	146.4	139.0	132.3	128.6
50.5°	129.1	130.9	129.1	121.5	115.8	112.8
51°	113.1	114.8	113.1	106.4	101.0	98.3
51.5°	98.0	100.7	98.0	92.1	87.4	85.2
52°	83.9	86.9	83.9	78.8	74.8	72.8
52.5°	70.9	73.6	70.9	65.9	63.0	62.5
53°	59.7	61.7	59.7	55.1	52.6	52.8
53.5°	50.1	50.9	50.1	45.9	43.9	43.5
54°	41.0	41.0	41.0	37.3	36.0	35.3
54.5°	32.6	32.3	32.6	29.4	28.9	28.4
55°	25.2	26.2	25.2	22.5	22.0	22.2
55.5°	18.8	20.2	18.8	17.0	16.3	16.3
56°	14.3	15.6	14.3	12.8	11.6	10.9
56.5°	10.1	11.1	10.1	9.4	7.7	7.4
57°	6.7	6.7	6.7	6.2	5.4	5.9
57.5°	4.9	4.4	4.9	4.4	4.2	4.7
58°	4.0	3.2	4.0	3.7	3.5	3.7
58.5°	3.2	2.7	3.2	3.0	2.7	2.5
59°	2.5	2.2	2.5	2.2	2.2	2.2
59.5°	1.7	1.7	1.7	1.7	1.7	1.7
60°	1.5	1.5	1.5	1.5	1.5	1.5
60.5°	1.2	1.2	1.2	1.2	1.2	1.2
61°	1.2	1.0	1.2	1.0	1.0	1.0
61.5°	1.0	1.0	1.0	1.0	1.0	1.0
62°	1.0	1.0	1.0	1.0	1.0	0.7
62.5°	0.7	0.7	0.7	0.7	0.7	0.7
63°	0.7	0.7	0.7	0.7	0.7	0.7
63.5°	0.7	0.7	0.7	0.7	0.7	0.7
64°	0.5	0.7	0.5	0.5	0.5	0.5
64.5°	0.5	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5	0.5
65.5°	0.5	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBL1525CSD-HCD6TRMB-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	0.0
73.5°	0.2	0.2	0.2	0.2	0.0	0.0
74°	0.0	0.0	0.0	0.0	0.0	0.0
74.5°	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.0	0.0
76.5°	0.0	0.0	0.0	0.0	0.0	0.0
77°	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0
78°	0.0	0.0	0.0	0.0	0.0	0.0
78.5°	0.0	0.0	0.0	0.0	0.0	0.0
79°	0.0	0.0	0.0	0.0	0.0	0.0
79.5°	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0
80.5°	0.0	0.0	0.0	0.0	0.0	0.0
81°	0.0	0.0	0.0	0.0	0.0	0.0
81.5°	0.0	0.0	0.0	0.0	0.0	0.0
82°	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0
83°	0.0	0.0	0.0	0.0	0.0	0.0
83.5°	0.0	0.0	0.0	0.0	0.0	0.0
84°	0.0	0.0	0.0	0.0	0.0	0.0
84.5°	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0
85.5°	0.0	0.0	0.0	0.0	0.0	0.0
86°	0.0	0.0	0.0	0.0	0.0	0.0
86.5°	0.0	0.0	0.0	0.0	0.0	0.0
87°	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0
88°	0.0	0.0	0.0	0.0	0.0	0.0
88.5°	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P776091

CATALOG NUMBER: HCDJBL51525CSD-HCD6TRMB-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



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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°	1181.1	1180.1	1179.7	1181.1	1182.6	1181.1	1179.7	1180.1	1181.1	1180.1	1179.7
22°	1175.0	1174.5	1173.7	1175.2	1176.4	1175.2	1173.7	1174.5	1175.0	1174.5	1173.7



44°	395.0	399.5	407.6	410.1	410.6	410.1	407.6	399.5	395.0	399.5	407.6
44.5°	368.4	373.1	382.2	384.9	384.7	384.9	382.2	373.1	368.4	373.1	382.2



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



89°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





21.5°	1181.1	1182.6	1181.1	1179.7	1180.1	1181.1
22°	1175.2	1176.4	1175.2	1173.7	1174.5	1175.0



44°	410.1	410.6	410.1	407.6	399.5	395.0
44.5°	384.9	384.7	384.9	382.2	373.1	368.4

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Scaled Data Report



66.5°	0.5	0.5	0.5	0.5	0.5	0.5
67°	0.5	0.5	0.5	0.5	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)