

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: P775916

Luminaire Tested: HCDJBS1525CSD-HCD42TRMW-1500lm-3000K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P775916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156A001)
Test Lab:
Issue Date: 2/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBS1525CSD-HCD42TRMW-1500lm-3000K
Description: 4 INCH ROUND NARROW MATTE WHITE TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT
Ballast/Driver: -

Summary

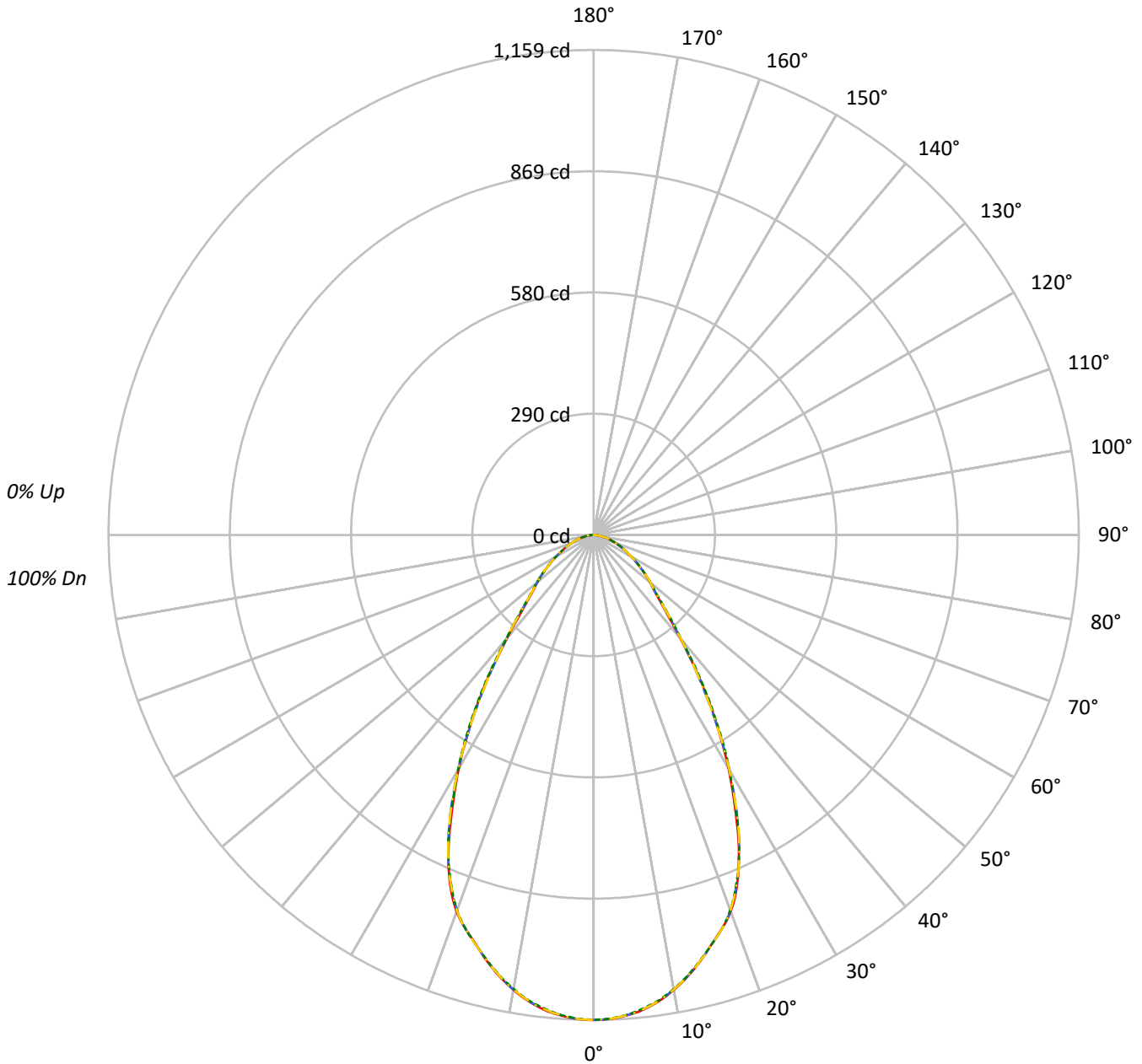
Lumens per Lamp: N/A
Luminaire Lumens: 1496.9 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.97 / 0.95
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 15
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: P775916
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P775916

CATALOG NUMBER: HCDJBLS1525CSD-HCD42TRMW-1500lm-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								
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89								
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80								
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71								
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64								
5	85	75	68	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58								
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53								
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49								
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	45								
9	67	56	49	44	66	55	48	44	54	48	44	53	48	44	52	47	43	42								
10	63	52	45	41	62	52	45	41	51	45	41	50	44	41	49	44	40	39								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	145898	145898	145898	145898
5°	144863	144547	144863	144547
10°	141120	140800	141120	140800
15°	134875	134719	134875	134719
20°	128248	127793	128248	127793
25°	113823	114198	113823	114198
30°	93643	94152	93643	94152
35°	72654	73437	72654	73437
40°	52768	53688	52768	53688
45°	39956	40953	39956	40953
50°	34400	34674	34400	34674
55°	29906	30257	29906	30257
60°	26152	26378	26152	26378
65°	22989	23168	22989	23168
70°	20275	20385	20275	20385
75°	17797	17797	17797	17797
80°	15437	15292	15437	15292
85°	12274	12274	12274	12274

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 40953 cd/sqm



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	7.2
10°-20°	290.8	19.4
20°-30°	372.4	24.9
30°-40°	295.1	19.7
40°-50°	180.7	12.1
50°-60°	123.5	8.3
60°-70°	77.3	5.2
70°-80°	39.2	2.6
80°-90°	9.9	0.7
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°	771.2	51.5
0°-40°	1066.3	71.2
0°-60°	1370.5	91.6
0°-90°	1496.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1496.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1159	1159	1159	1159	1159	
5°	1147	1144	1147	1144	1147	108
15°	1035	1034	1035	1034	1035	291
25°	820	822	820	822	820	372
35°	473	478	473	478	473	295
45°	224	230	224	230	224	178
55°	136	138	136	138	136	123
65°	77	78	77	78	77	77
75°	37	37	37	37	37	39
85°	8	8	8	8	8	10
90°	0	0	0	0	0	



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3
0.5°	1159.4	1159.3	1158.9	1158.8	1158.3	1158.8	1158.9	1159.3	1159.4	1159.3	1158.9
1°	1158.9	1158.8	1158.6	1158.5	1157.9	1158.5	1158.6	1158.8	1158.9	1158.8	1158.6
1.5°	1158.3	1158.0	1158.0	1157.7	1157.2	1157.7	1158.0	1158.0	1158.3	1158.0	1158.0
2°	1157.4	1157.2	1156.9	1156.8	1156.2	1156.8	1156.9	1157.2	1157.4	1157.2	1156.9
2.5°	1156.3	1156.0	1155.7	1155.5	1154.8	1155.5	1155.7	1156.0	1156.3	1156.0	1155.7
3°	1154.8	1154.4	1154.1	1153.8	1153.0	1153.8	1154.1	1154.4	1154.8	1154.4	1154.1
3.5°	1153.0	1152.7	1152.3	1152.0	1151.5	1152.0	1152.3	1152.7	1153.0	1152.7	1152.3
4°	1151.0	1150.9	1150.3	1149.9	1149.2	1149.9	1150.3	1150.9	1151.0	1150.9	1150.3
4.5°	1148.9	1148.5	1147.9	1147.6	1146.7	1147.6	1147.9	1148.5	1148.9	1148.5	1147.9
5°	1146.7	1146.2	1145.6	1145.3	1144.2	1145.3	1145.6	1146.2	1146.7	1146.2	1145.6
5.5°	1144.4	1143.3	1142.5	1142.2	1141.2	1142.2	1142.5	1143.3	1144.4	1143.3	1142.5
6°	1140.8	1140.2	1139.4	1138.9	1137.7	1138.9	1139.4	1140.2	1140.8	1140.2	1139.4
6.5°	1137.2	1136.7	1135.8	1135.3	1134.1	1135.3	1135.8	1136.7	1137.2	1136.7	1135.8
7°	1133.5	1132.9	1132.4	1131.6	1130.5	1131.6	1132.4	1132.9	1133.5	1132.9	1132.4
7.5°	1129.3	1128.7	1128.1	1127.7	1126.7	1127.7	1128.1	1128.7	1129.3	1128.7	1128.1
8°	1124.8	1124.3	1123.7	1123.2	1122.6	1123.2	1123.7	1124.3	1124.8	1124.3	1123.7
8.5°	1120.1	1119.5	1118.9	1118.4	1117.8	1118.4	1118.9	1119.5	1120.1	1119.5	1118.9
9°	1115.2	1114.7	1113.9	1113.5	1112.8	1113.5	1113.9	1114.7	1115.2	1114.7	1113.9
9.5°	1109.7	1109.4	1108.6	1108.2	1107.6	1108.2	1108.6	1109.4	1109.7	1109.4	1108.6
10°	1104.3	1103.8	1103.2	1102.6	1101.8	1102.6	1103.2	1103.8	1104.3	1103.8	1103.2
10.5°	1098.2	1097.9	1097.2	1096.7	1096.1	1096.7	1097.2	1097.9	1098.2	1097.9	1097.2
11°	1092.2	1091.9	1091.3	1090.6	1089.9	1090.6	1091.3	1091.9	1092.2	1091.9	1091.3
11.5°	1085.8	1085.5	1084.9	1084.3	1083.7	1084.3	1084.9	1085.5	1085.8	1085.5	1084.9
12°	1079.3	1079.0	1078.5	1077.8	1077.1	1077.8	1078.5	1079.0	1079.3	1079.0	1078.5
12.5°	1072.5	1072.2	1071.7	1070.9	1070.1	1070.9	1071.7	1072.2	1072.5	1072.2	1071.7
13°	1065.5	1065.2	1064.7	1064.1	1063.3	1064.1	1064.7	1065.2	1065.5	1065.2	1064.7
13.5°	1058.2	1057.9	1057.6	1056.9	1056.3	1056.9	1057.6	1057.9	1058.2	1057.9	1057.6
14°	1050.7	1050.6	1050.3	1049.7	1049.0	1049.7	1050.3	1050.6	1050.7	1050.6	1050.3
14.5°	1043.0	1042.8	1042.7	1042.0	1041.4	1042.0	1042.7	1042.8	1043.0	1042.8	1042.7
15°	1035.2	1035.2	1034.9	1034.6	1034.0	1034.6	1034.9	1035.2	1035.2	1035.2	1034.9
15.5°	1027.1	1027.1	1027.5	1027.1	1026.8	1027.1	1027.5	1027.1	1027.1	1027.1	1027.5
16°	1019.4	1019.5	1020.0	1019.8	1019.5	1019.8	1020.0	1019.5	1019.4	1019.5	1020.0
16.5°	1011.6	1011.9	1012.5	1012.5	1012.4	1012.5	1012.5	1011.9	1011.6	1011.9	1012.5
17°	1004.3	1004.6	1005.2	1005.1	1005.2	1005.1	1005.2	1004.6	1004.3	1004.6	1005.2
17.5°	997.2	997.5	998.0	997.8	997.6	997.8	998.0	997.5	997.2	997.5	998.0
18°	990.2	990.3	990.7	990.3	990.0	990.3	990.7	990.3	990.2	990.3	990.7
18.5°	982.7	982.7	982.7	982.4	982.0	982.4	982.7	982.7	982.7	982.7	982.7
19°	975.1	974.7	974.4	973.9	973.4	973.9	974.4	974.7	975.1	974.7	974.4
19.5°	966.7	966.1	965.2	964.9	964.4	964.9	965.2	966.1	966.7	966.1	965.2
20°	957.6	956.8	955.1	955.3	954.2	955.3	955.1	956.8	957.6	956.8	955.1
20.5°	947.5	946.3	944.2	944.9	943.6	944.9	944.2	946.3	947.5	946.3	944.2
21°	936.9	935.1	932.7	933.5	932.0	933.5	932.7	935.1	936.9	935.1	932.7



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	898.3	896.4	894.9	894.7	893.9	894.7	894.9	896.4	898.3	896.4	894.9
23°	883.5	882.0	881.7	880.6	880.3	880.6	881.7	882.0	883.5	882.0	881.7
23.5°	868.5	867.1	867.9	866.0	866.8	866.0	867.9	867.1	868.5	867.1	867.9
24°	852.8	851.7	853.6	851.1	852.5	851.1	853.6	851.7	852.8	851.7	853.6
24.5°	836.6	836.2	838.5	836.0	837.9	836.0	838.5	836.2	836.6	836.2	838.5
25°	819.7	820.0	822.8	821.0	822.4	821.0	822.8	820.0	819.7	820.0	822.8
25.5°	802.2	804.2	806.7	805.9	806.2	805.9	806.7	804.2	802.2	804.2	806.7
26°	784.2	787.7	790.1	790.2	789.0	790.2	790.1	787.7	784.2	787.7	790.1
26.5°	765.7	771.0	772.8	773.9	771.1	773.9	772.8	771.0	765.7	771.0	772.8
27°	747.7	753.6	755.5	757.2	753.0	757.2	755.5	753.6	747.7	753.6	755.5
27.5°	730.0	735.6	737.8	739.9	734.5	739.9	737.8	735.6	730.0	735.6	737.8
28°	712.3	717.6	719.7	721.9	716.0	721.9	719.7	717.6	712.3	717.6	719.7
28.5°	695.1	699.3	701.7	703.6	698.2	703.6	701.7	699.3	695.1	699.3	701.7
29°	678.0	680.8	683.7	685.0	681.2	685.0	683.7	680.8	678.0	680.8	683.7
29.5°	661.2	662.6	665.9	666.3	664.6	666.3	665.9	662.6	661.2	662.6	665.9
30°	644.4	644.0	647.6	647.7	647.9	647.7	647.6	644.0	644.4	644.0	647.6
30.5°	627.1	626.0	629.4	629.7	632.0	629.7	629.4	626.0	627.1	626.0	629.4
31°	609.8	607.5	611.1	611.7	615.3	611.7	611.1	607.5	609.8	607.5	611.1
31.5°	592.1	589.8	592.7	593.8	598.3	593.8	592.7	589.8	592.1	589.8	592.7
32°	574.1	571.9	574.6	576.3	580.9	576.3	574.6	571.9	574.1	571.9	574.6
32.5°	556.7	554.9	556.7	558.9	563.6	558.9	556.7	554.9	556.7	554.9	556.7
33°	539.2	537.8	538.4	541.5	545.9	541.5	538.4	537.8	539.2	537.8	538.4
33.5°	523.5	520.7	520.2	524.1	528.0	524.1	520.2	520.7	523.5	520.7	520.2
34°	506.6	503.6	502.2	507.0	511.1	507.0	502.2	503.6	506.6	503.6	502.2
34.5°	489.8	486.7	484.7	489.8	494.3	489.8	484.7	486.7	489.8	486.7	484.7
35°	472.9	470.3	468.1	473.2	478.0	473.2	468.1	470.3	472.9	470.3	468.1
35.5°	456.4	454.0	451.6	456.7	462.0	456.7	451.6	454.0	456.4	454.0	451.6
36°	440.3	437.7	435.6	440.9	446.3	440.9	435.6	437.7	440.3	437.7	435.6
36.5°	424.3	422.0	420.1	425.2	430.4	425.2	420.1	422.0	424.3	422.0	420.1
37°	408.2	406.4	404.9	410.0	414.5	410.0	404.9	406.4	408.2	406.4	404.9
37.5°	392.5	391.4	390.3	395.4	398.7	395.4	390.3	391.4	392.5	391.4	390.3
38°	376.9	376.8	376.3	381.1	383.0	381.1	376.3	376.8	376.9	376.8	376.3
38.5°	362.4	362.7	363.0	367.2	367.9	367.2	363.0	362.7	362.4	362.7	363.0
39°	348.2	349.0	349.6	353.7	353.5	353.7	349.6	349.0	348.2	349.0	349.6
39.5°	334.4	335.8	336.9	340.3	339.8	340.3	336.9	335.8	334.4	335.8	336.9
40°	321.2	322.8	324.6	327.4	326.8	327.4	324.6	322.8	321.2	322.8	324.6
40.5°	308.8	310.3	312.8	314.8	314.7	314.8	312.8	310.3	308.8	310.3	312.8
41°	296.8	298.4	301.7	303.0	303.5	303.0	301.7	298.4	296.8	298.4	301.7
41.5°	285.5	287.2	290.9	291.7	293.1	291.7	290.9	287.2	285.5	287.2	290.9
42°	274.9	276.7	280.7	281.2	283.0	281.2	280.7	276.7	274.9	276.7	280.7
42.5°	265.0	266.7	271.1	271.2	273.2	271.2	271.1	266.7	265.0	266.7	271.1
43°	255.5	257.4	261.6	261.9	263.8	261.9	261.6	257.4	255.5	257.4	261.6
43.5°	246.8	248.7	252.7	252.9	254.6	252.9	252.7	248.7	246.8	248.7	252.7



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	224.5	226.0	228.5	229.3	230.1	229.3	228.5	226.0	224.5	226.0	228.5
45.5°	218.0	219.2	221.5	222.3	222.9	222.3	221.5	219.2	218.0	219.2	221.5
46°	211.8	212.8	214.9	216.0	216.3	216.0	214.9	212.8	211.8	212.8	214.9
46.5°	206.0	206.9	208.5	209.7	210.1	209.7	208.5	206.9	206.0	206.9	208.5
47°	200.6	201.2	202.8	204.0	204.5	204.0	202.8	201.2	200.6	201.2	202.8
47.5°	195.5	195.9	197.3	198.7	199.3	198.7	197.3	195.9	195.5	195.9	197.3
48°	190.6	191.3	192.7	193.9	194.5	193.9	192.7	191.3	190.6	191.3	192.7
48.5°	186.8	187.1	188.2	189.4	189.9	189.4	188.2	187.1	186.8	187.1	188.2
49°	183.0	183.2	184.1	185.1	185.5	185.1	184.1	183.2	183.0	183.2	184.1
49.5°	179.5	179.6	180.2	181.0	181.2	181.0	180.2	179.6	179.5	179.6	180.2
50°	175.7	175.9	176.4	177.0	177.1	177.0	176.4	175.9	175.7	175.9	176.4
50.5°	172.0	172.2	172.5	173.1	173.1	173.1	172.5	172.2	172.0	172.2	172.5
51°	167.8	168.1	168.6	169.2	169.2	169.2	168.6	168.1	167.8	168.1	168.6
51.5°	163.8	163.9	164.6	165.3	165.5	165.3	164.6	163.9	163.8	163.9	164.6
52°	159.6	159.9	160.5	161.3	161.5	161.3	160.5	159.9	159.6	159.9	160.5
52.5°	155.4	155.7	156.5	157.1	157.4	157.1	156.5	155.7	155.4	155.7	156.5
53°	151.5	151.8	152.5	153.1	153.4	153.1	152.5	151.8	151.5	151.8	152.5
53.5°	147.5	147.8	148.4	149.2	149.5	149.2	148.4	147.8	147.5	147.8	148.4
54°	143.8	143.9	144.5	145.2	145.5	145.2	144.5	143.9	143.8	143.9	144.5
54.5°	140.0	140.2	140.8	141.4	141.7	141.4	140.8	140.2	140.0	140.2	140.8
55°	136.3	136.6	137.2	137.7	137.9	137.7	137.2	136.6	136.3	136.6	137.2
55.5°	132.7	133.1	133.7	134.1	134.3	134.1	133.7	133.1	132.7	133.1	133.7
56°	129.3	129.6	130.1	130.6	130.7	130.6	130.1	129.6	129.3	129.6	130.1
56.5°	125.9	126.2	126.7	127.2	127.3	127.2	126.7	126.2	125.9	126.2	126.7
57°	122.5	122.8	123.3	123.7	123.9	123.7	123.3	122.8	122.5	122.8	123.3
57.5°	119.1	119.5	120.0	120.3	120.6	120.3	120.0	119.5	119.1	119.5	120.0
58°	116.1	116.3	116.7	117.2	117.4	117.2	116.7	116.3	116.1	116.3	116.7
58.5°	113.0	113.2	113.6	114.0	114.1	114.0	113.6	113.2	113.0	113.2	113.6
59°	109.9	110.1	110.4	110.7	111.0	110.7	110.4	110.1	109.9	110.1	110.4
59.5°	106.8	107.0	107.3	107.7	107.9	107.7	107.3	107.0	106.8	107.0	107.3
60°	103.9	104.0	104.3	104.6	104.8	104.6	104.3	104.0	103.9	104.0	104.3
60.5°	100.9	101.1	101.4	101.7	101.8	101.7	101.4	101.1	100.9	101.1	101.4
61°	98.1	98.3	98.6	98.9	99.1	98.9	98.6	98.3	98.1	98.3	98.6
61.5°	95.3	95.5	95.8	96.1	96.3	96.1	95.8	95.5	95.3	95.5	95.8
62°	92.7	92.7	93.0	93.3	93.3	93.3	93.0	92.7	92.7	92.7	93.0
62.5°	89.9	90.0	90.2	90.5	90.7	90.5	90.2	90.0	89.9	90.0	90.2
63°	87.3	87.4	87.6	87.9	87.9	87.9	87.6	87.4	87.3	87.4	87.6
63.5°	84.6	84.8	84.9	85.2	85.4	85.2	84.9	84.8	84.6	84.8	84.9
64°	82.1	82.3	82.4	82.6	82.7	82.6	82.4	82.3	82.1	82.3	82.4
64.5°	79.6	79.8	80.0	80.1	80.3	80.1	80.0	79.8	79.6	79.8	80.0
65°	77.2	77.3	77.5	77.6	77.8	77.6	77.5	77.3	77.2	77.3	77.5
65.5°	74.8	74.8	75.0	75.3	75.3	75.3	75.0	74.8	74.8	74.8	75.0
66°	72.3	72.5	72.7	72.8	73.0	72.8	72.7	72.5	72.3	72.5	72.7



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL1525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	65.5	65.7	65.8	66.0	66.0	66.0	65.8	65.7	65.5	65.7	65.8
68°	63.3	63.5	63.7	63.8	63.8	63.8	63.7	63.5	63.3	63.5	63.7
68.5°	61.2	61.3	61.5	61.5	61.6	61.5	61.5	61.3	61.2	61.3	61.5
69°	59.2	59.2	59.2	59.5	59.5	59.5	59.2	59.2	59.2	59.2	59.2
69.5°	57.0	57.1	57.1	57.3	57.4	57.3	57.1	57.1	57.0	57.1	57.1
70°	55.1	55.3	55.1	55.3	55.4	55.3	55.1	55.3	55.1	55.3	55.1
70.5°	53.1	53.3	53.3	53.3	53.4	53.3	53.3	53.3	53.1	53.3	53.3
71°	51.2	51.2	51.2	51.2	51.4	51.2	51.2	51.2	51.2	51.2	51.2
71.5°	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.2	49.2	49.2	49.4
72°	47.4	47.4	47.4	47.5	47.5	47.5	47.4	47.4	47.4	47.4	47.4
72.5°	45.5	45.5	45.5	45.6	45.6	45.6	45.5	45.5	45.5	45.5	45.5
73°	43.6	43.6	43.6	43.8	43.8	43.8	43.6	43.6	43.6	43.6	43.6
73.5°	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.8	41.8	41.8	41.9
74°	40.1	40.1	40.1	40.2	40.2	40.2	40.1	40.1	40.1	40.1	40.1
74.5°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
75°	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
75.5°	34.9	34.9	34.9	34.9	35.1	34.9	34.9	34.9	34.9	34.9	34.9
76°	33.4	33.2	33.2	33.4	33.4	33.4	33.2	33.2	33.4	33.2	33.2
76.5°	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
77°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
77.5°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
78°	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
78.5°	25.6	25.6	25.5	25.5	25.6	25.5	25.5	25.6	25.6	25.6	25.5
79°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
79.5°	22.7	22.7	22.5	22.7	22.7	22.7	22.5	22.7	22.7	22.7	22.5
80°	21.3	21.3	21.1	21.1	21.1	21.1	21.1	21.3	21.3	21.3	21.1
80.5°	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
81°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
81.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
82°	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
82.5°	14.6	14.6	14.6	14.6	14.4	14.6	14.6	14.6	14.6	14.6	14.6
83°	13.4	13.4	13.4	13.2	13.2	13.2	13.4	13.4	13.4	13.4	13.4
83.5°	12.1	12.1	12.1	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1
84°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
84.5°	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.8	9.6	9.6
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
85.5°	7.5	7.3	7.5	7.3	7.5	7.3	7.5	7.3	7.5	7.3	7.5
86°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
86.5°	5.3	5.1	5.1	5.1	5.3	5.1	5.1	5.1	5.3	5.1	5.1
87°	4.2	4.2	4.2	4.0	4.2	4.0	4.2	4.2	4.2	4.2	4.2
87.5°	3.1	3.1	3.1	3.1	3.3	3.1	3.1	3.1	3.1	3.1	3.1
88°	2.0	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.0	2.2	2.2
88.5°	1.2	1.2	1.4	1.6	1.9	1.6	1.4	1.2	1.2	1.2	1.4



TEST NUMBER: P775916
CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-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	0.2	0.3	0.5	0.3	0.2	0.0	0.0	0.0	0.2



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1159.3	1159.3	1159.3	1159.3	1159.3	1159.3
0.5°	1158.8	1158.3	1158.8	1158.9	1159.3	1159.4
1°	1158.5	1157.9	1158.5	1158.6	1158.8	1158.9
1.5°	1157.7	1157.2	1157.7	1158.0	1158.0	1158.3
2°	1156.8	1156.2	1156.8	1156.9	1157.2	1157.4
2.5°	1155.5	1154.8	1155.5	1155.7	1156.0	1156.3
3°	1153.8	1153.0	1153.8	1154.1	1154.4	1154.8
3.5°	1152.0	1151.5	1152.0	1152.3	1152.7	1153.0
4°	1149.9	1149.2	1149.9	1150.3	1150.9	1151.0
4.5°	1147.6	1146.7	1147.6	1147.9	1148.5	1148.9
5°	1145.3	1144.2	1145.3	1145.6	1146.2	1146.7
5.5°	1142.2	1141.2	1142.2	1142.5	1143.3	1144.4
6°	1138.9	1137.7	1138.9	1139.4	1140.2	1140.8
6.5°	1135.3	1134.1	1135.3	1135.8	1136.7	1137.2
7°	1131.6	1130.5	1131.6	1132.4	1132.9	1133.5
7.5°	1127.7	1126.7	1127.7	1128.1	1128.7	1129.3
8°	1123.2	1122.6	1123.2	1123.7	1124.3	1124.8
8.5°	1118.4	1117.8	1118.4	1118.9	1119.5	1120.1
9°	1113.5	1112.8	1113.5	1113.9	1114.7	1115.2
9.5°	1108.2	1107.6	1108.2	1108.6	1109.4	1109.7
10°	1102.6	1101.8	1102.6	1103.2	1103.8	1104.3
10.5°	1096.7	1096.1	1096.7	1097.2	1097.9	1098.2
11°	1090.6	1089.9	1090.6	1091.3	1091.9	1092.2
11.5°	1084.3	1083.7	1084.3	1084.9	1085.5	1085.8
12°	1077.8	1077.1	1077.8	1078.5	1079.0	1079.3
12.5°	1070.9	1070.1	1070.9	1071.7	1072.2	1072.5
13°	1064.1	1063.3	1064.1	1064.7	1065.2	1065.5
13.5°	1056.9	1056.3	1056.9	1057.6	1057.9	1058.2
14°	1049.7	1049.0	1049.7	1050.3	1050.6	1050.7
14.5°	1042.0	1041.4	1042.0	1042.7	1042.8	1043.0
15°	1034.6	1034.0	1034.6	1034.9	1035.2	1035.2
15.5°	1027.1	1026.8	1027.1	1027.5	1027.1	1027.1
16°	1019.8	1019.5	1019.8	1020.0	1019.5	1019.4
16.5°	1012.5	1012.4	1012.5	1012.5	1011.9	1011.6
17°	1005.1	1005.2	1005.1	1005.2	1004.6	1004.3
17.5°	997.8	997.6	997.8	998.0	997.5	997.2
18°	990.3	990.0	990.3	990.7	990.3	990.2
18.5°	982.4	982.0	982.4	982.7	982.7	982.7
19°	973.9	973.4	973.9	974.4	974.7	975.1
19.5°	964.9	964.4	964.9	965.2	966.1	966.7
20°	955.3	954.2	955.3	955.1	956.8	957.6
20.5°	944.9	943.6	944.9	944.2	946.3	947.5
21°	933.5	932.0	933.5	932.7	935.1	936.9



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	894.7	893.9	894.7	894.9	896.4	898.3
23°	880.6	880.3	880.6	881.7	882.0	883.5
23.5°	866.0	866.8	866.0	867.9	867.1	868.5
24°	851.1	852.5	851.1	853.6	851.7	852.8
24.5°	836.0	837.9	836.0	838.5	836.2	836.6
25°	821.0	822.4	821.0	822.8	820.0	819.7
25.5°	805.9	806.2	805.9	806.7	804.2	802.2
26°	790.2	789.0	790.2	790.1	787.7	784.2
26.5°	773.9	771.1	773.9	772.8	771.0	765.7
27°	757.2	753.0	757.2	755.5	753.6	747.7
27.5°	739.9	734.5	739.9	737.8	735.6	730.0
28°	721.9	716.0	721.9	719.7	717.6	712.3
28.5°	703.6	698.2	703.6	701.7	699.3	695.1
29°	685.0	681.2	685.0	683.7	680.8	678.0
29.5°	666.3	664.6	666.3	665.9	662.6	661.2
30°	647.7	647.9	647.7	647.6	644.0	644.4
30.5°	629.7	632.0	629.7	629.4	626.0	627.1
31°	611.7	615.3	611.7	611.1	607.5	609.8
31.5°	593.8	598.3	593.8	592.7	589.8	592.1
32°	576.3	580.9	576.3	574.6	571.9	574.1
32.5°	558.9	563.6	558.9	556.7	554.9	556.7
33°	541.5	545.9	541.5	538.4	537.8	539.2
33.5°	524.1	528.0	524.1	520.2	520.7	523.5
34°	507.0	511.1	507.0	502.2	503.6	506.6
34.5°	489.8	494.3	489.8	484.7	486.7	489.8
35°	473.2	478.0	473.2	468.1	470.3	472.9
35.5°	456.7	462.0	456.7	451.6	454.0	456.4
36°	440.9	446.3	440.9	435.6	437.7	440.3
36.5°	425.2	430.4	425.2	420.1	422.0	424.3
37°	410.0	414.5	410.0	404.9	406.4	408.2
37.5°	395.4	398.7	395.4	390.3	391.4	392.5
38°	381.1	383.0	381.1	376.3	376.8	376.9
38.5°	367.2	367.9	367.2	363.0	362.7	362.4
39°	353.7	353.5	353.7	349.6	349.0	348.2
39.5°	340.3	339.8	340.3	336.9	335.8	334.4
40°	327.4	326.8	327.4	324.6	322.8	321.2
40.5°	314.8	314.7	314.8	312.8	310.3	308.8
41°	303.0	303.5	303.0	301.7	298.4	296.8
41.5°	291.7	293.1	291.7	290.9	287.2	285.5
42°	281.2	283.0	281.2	280.7	276.7	274.9
42.5°	271.2	273.2	271.2	271.1	266.7	265.0
43°	261.9	263.8	261.9	261.6	257.4	255.5
43.5°	252.9	254.6	252.9	252.7	248.7	246.8



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	229.3	230.1	229.3	228.5	226.0	224.5
45.5°	222.3	222.9	222.3	221.5	219.2	218.0
46°	216.0	216.3	216.0	214.9	212.8	211.8
46.5°	209.7	210.1	209.7	208.5	206.9	206.0
47°	204.0	204.5	204.0	202.8	201.2	200.6
47.5°	198.7	199.3	198.7	197.3	195.9	195.5
48°	193.9	194.5	193.9	192.7	191.3	190.6
48.5°	189.4	189.9	189.4	188.2	187.1	186.8
49°	185.1	185.5	185.1	184.1	183.2	183.0
49.5°	181.0	181.2	181.0	180.2	179.6	179.5
50°	177.0	177.1	177.0	176.4	175.9	175.7
50.5°	173.1	173.1	173.1	172.5	172.2	172.0
51°	169.2	169.2	169.2	168.6	168.1	167.8
51.5°	165.3	165.5	165.3	164.6	163.9	163.8
52°	161.3	161.5	161.3	160.5	159.9	159.6
52.5°	157.1	157.4	157.1	156.5	155.7	155.4
53°	153.1	153.4	153.1	152.5	151.8	151.5
53.5°	149.2	149.5	149.2	148.4	147.8	147.5
54°	145.2	145.5	145.2	144.5	143.9	143.8
54.5°	141.4	141.7	141.4	140.8	140.2	140.0
55°	137.7	137.9	137.7	137.2	136.6	136.3
55.5°	134.1	134.3	134.1	133.7	133.1	132.7
56°	130.6	130.7	130.6	130.1	129.6	129.3
56.5°	127.2	127.3	127.2	126.7	126.2	125.9
57°	123.7	123.9	123.7	123.3	122.8	122.5
57.5°	120.3	120.6	120.3	120.0	119.5	119.1
58°	117.2	117.4	117.2	116.7	116.3	116.1
58.5°	114.0	114.1	114.0	113.6	113.2	113.0
59°	110.7	111.0	110.7	110.4	110.1	109.9
59.5°	107.7	107.9	107.7	107.3	107.0	106.8
60°	104.6	104.8	104.6	104.3	104.0	103.9
60.5°	101.7	101.8	101.7	101.4	101.1	100.9
61°	98.9	99.1	98.9	98.6	98.3	98.1
61.5°	96.1	96.3	96.1	95.8	95.5	95.3
62°	93.3	93.3	93.3	93.0	92.7	92.7
62.5°	90.5	90.7	90.5	90.2	90.0	89.9
63°	87.9	87.9	87.9	87.6	87.4	87.3
63.5°	85.2	85.4	85.2	84.9	84.8	84.6
64°	82.6	82.7	82.6	82.4	82.3	82.1
64.5°	80.1	80.3	80.1	80.0	79.8	79.6
65°	77.6	77.8	77.6	77.5	77.3	77.2
65.5°	75.3	75.3	75.3	75.0	74.8	74.8
66°	72.8	73.0	72.8	72.7	72.5	72.3



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	66.0	66.0	66.0	65.8	65.7	65.5
68°	63.8	63.8	63.8	63.7	63.5	63.3
68.5°	61.5	61.6	61.5	61.5	61.3	61.2
69°	59.5	59.5	59.5	59.2	59.2	59.2
69.5°	57.3	57.4	57.3	57.1	57.1	57.0
70°	55.3	55.4	55.3	55.1	55.3	55.1
70.5°	53.3	53.4	53.3	53.3	53.3	53.1
71°	51.2	51.4	51.2	51.2	51.2	51.2
71.5°	49.4	49.4	49.4	49.4	49.2	49.2
72°	47.5	47.5	47.5	47.4	47.4	47.4
72.5°	45.6	45.6	45.6	45.5	45.5	45.5
73°	43.8	43.8	43.8	43.6	43.6	43.6
73.5°	41.9	41.9	41.9	41.9	41.8	41.8
74°	40.2	40.2	40.2	40.1	40.1	40.1
74.5°	38.3	38.3	38.3	38.3	38.3	38.3
75°	36.6	36.6	36.6	36.6	36.6	36.6
75.5°	34.9	35.1	34.9	34.9	34.9	34.9
76°	33.4	33.4	33.4	33.2	33.2	33.4
76.5°	31.7	31.7	31.7	31.7	31.7	31.7
77°	30.1	30.1	30.1	30.1	30.1	30.1
77.5°	28.6	28.6	28.6	28.6	28.6	28.6
78°	27.0	27.0	27.0	27.0	27.0	27.0
78.5°	25.5	25.6	25.5	25.5	25.6	25.6
79°	24.1	24.1	24.1	24.1	24.1	24.1
79.5°	22.7	22.7	22.7	22.5	22.7	22.7
80°	21.1	21.1	21.1	21.1	21.3	21.3
80.5°	19.9	19.9	19.9	19.9	19.9	19.9
81°	18.5	18.5	18.5	18.5	18.5	18.5
81.5°	17.1	17.1	17.1	17.1	17.1	17.1
82°	15.8	15.8	15.8	15.8	15.8	15.8
82.5°	14.6	14.4	14.6	14.6	14.6	14.6
83°	13.2	13.2	13.2	13.4	13.4	13.4
83.5°	12.0	12.0	12.0	12.1	12.1	12.1
84°	10.9	10.9	10.9	10.9	10.9	10.9
84.5°	9.6	9.6	9.6	9.6	9.6	9.8
85°	8.5	8.5	8.5	8.5	8.5	8.5
85.5°	7.3	7.5	7.3	7.5	7.3	7.5
86°	6.2	6.2	6.2	6.2	6.2	6.2
86.5°	5.1	5.3	5.1	5.1	5.1	5.3
87°	4.0	4.2	4.0	4.2	4.2	4.2
87.5°	3.1	3.3	3.1	3.1	3.1	3.1
88°	2.3	2.3	2.3	2.2	2.2	2.0
88.5°	1.6	1.9	1.6	1.4	1.2	1.2



TEST NUMBER: P775916

CATALOG NUMBER: HCDJBL51525CSD-HCD42TRMW-1500lm-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.3	0.5	0.3	0.2	0.0	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270° - · - 135°-315°

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

Scaled Data Report



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

Scaled Data Report





21.5°	924.7	923.1	920.5	921.3	919.7	921.3	920.5	923.1	924.7	923.1	920.5
22°	911.8	910.2	907.9	908.2	906.7	908.2	907.9	910.2	911.8	910.2	907.9



44°	238.8	240.6	244.2	244.5	246.1	244.5	244.2	240.6	238.8	240.6	244.2
44.5°	231.3	233.2	236.3	236.8	237.8	236.8	236.3	233.2	231.3	233.2	236.3



66.5°	70.0	70.2	70.3	70.5	70.6	70.5	70.3	70.2	70.0	70.2	70.3
67°	67.8	67.8	68.0	68.2	68.3	68.2	68.0	67.8	67.8	67.8	68.0



89°	0.5	0.6	0.9	1.1	1.2	1.1	0.9	0.6	0.5	0.6	0.9
89.5°	0.0	0.2	0.5	0.6	0.8	0.6	0.5	0.2	0.0	0.2	0.5

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

Scaled Data Report



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

Scaled Data Report



21.5°	921.3	919.7	921.3	920.5	923.1	924.7
22°	908.2	906.7	908.2	907.9	910.2	911.8



44°	244.5	246.1	244.5	244.2	240.6	238.8
44.5°	236.8	237.8	236.8	236.3	233.2	231.3



66.5°	70.5	70.6	70.5	70.3	70.2	70.0
67°	68.2	68.3	68.2	68.0	67.8	67.8



89°	1.1	1.2	1.1	0.9	0.6	0.5
89.5°	0.6	0.8	0.6	0.5	0.2	0.0

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

Scaled Data Report



(END OF REPORT)