

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: P776051

Luminaire Tested: HCDJBS1525CSD-HCD62TRC-2500lm-3000K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776051  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( A2312156B055-HCD62TRC)  
Test Lab:  
Issue Date: 2/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO COMMERCIAL  
Catalog Number: HCDJBL51525CSD-HCD62TRC-2500lm-3000K  
Description: 6 INCH ROUND NARROW SPECULAR CLEAR TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

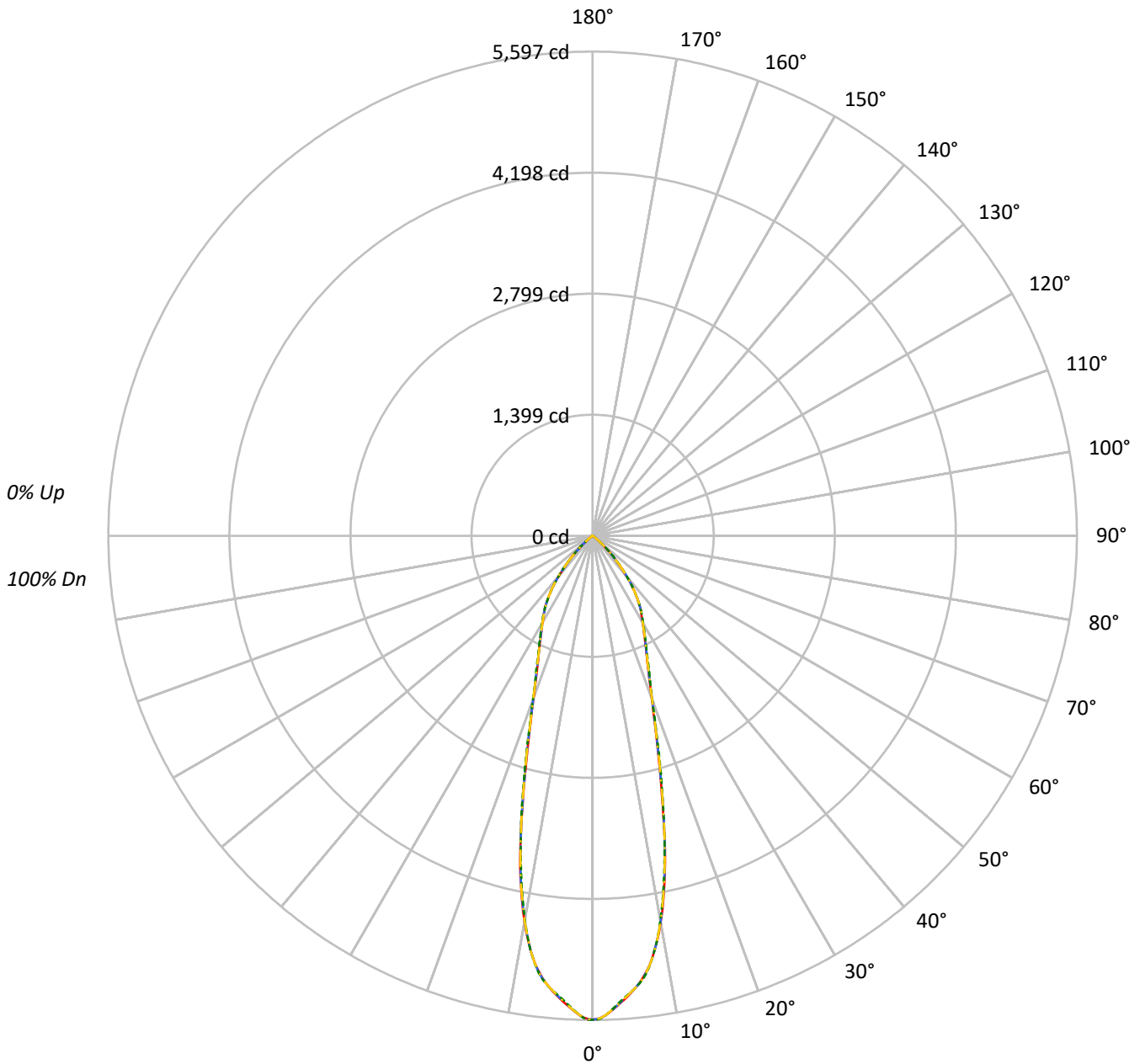
Lumens per Lamp: N/A  
Luminaire Lumens: 2863.3 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.54 / 0.57  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 25  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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									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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94						94													
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88						88													
3	103	97	92	89	101	96	91	88	93	90	87	91	88	85	89	86	84	82						82													
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77						77													
5	94	86	80	76	92	85	80	76	83	79	75	81	78	74	80	77	74	72						72													
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68						68													
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64						64													
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61						61													
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57						57													
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55						55													

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	306648	306648	306648	306648
5°	290848	290523	290848	290523
10°	252261	250819	252261	250819
15°	175461	177527	175461	177527
20°	116443	117686	116443	117686
25°	88511	89763	88511	89763
30°	73188	74075	73188	74075
35°	61248	61302	61248	61302
40°	43625	44312	43625	44312
45°	24460	25669	24460	25669
50°	8324	9902	8324	9902
55°	593	1271	593	1271
60°	110	110	110	110
65°	65	65	65	65
70°	32	32	32	32
75°	42	42	42	42
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 25669 cd/sqm



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CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.4	16.8
10°-20°	858.5	30.0
20°-30°	685.5	23.9
30°-40°	561.2	19.6
40°-50°	253.4	8.9
50°-60°	21.7	0.8
60°-70°	0.5	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°	2026.4	70.8
0°-40°	2587.5	90.4
0°-60°	2862.7	100.0
0°-90°	2863.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2863.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5594	5594	5594	5594	5594	
5°	5285	5279	5285	5279	5285	483
15°	3092	3128	3092	3128	3092	857
25°	1463	1484	1463	1484	1463	682
35°	915	916	915	916	915	560
45°	316	331	316	331	316	249
55°	6	13	6	13	6	19
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	



TEST NUMBER: P776051

CATALOG NUMBER: HCDJBL5125CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7
0.5°	5587.0	5587.0	5587.0	5588.0	5596.7	5588.0	5587.0	5587.0	5587.0	5587.0	5587.0
1°	5572.2	5572.2	5571.5	5571.7	5577.6	5571.7	5571.5	5572.2	5572.2	5572.2	5571.5
1.5°	5548.0	5547.7	5545.8	5544.5	5548.2	5544.5	5545.8	5547.7	5548.0	5547.7	5545.8
2°	5517.4	5515.9	5513.2	5510.2	5510.7	5510.2	5513.2	5515.9	5517.4	5515.9	5513.2
2.5°	5480.8	5479.8	5475.8	5470.9	5469.4	5470.9	5475.8	5479.8	5480.8	5479.8	5475.8
3°	5442.2	5441.0	5436.6	5429.9	5427.2	5429.9	5436.6	5441.0	5442.2	5441.0	5436.6
3.5°	5403.7	5402.0	5396.8	5390.1	5386.6	5390.1	5396.8	5402.0	5403.7	5402.0	5396.8
4°	5365.4	5362.7	5357.7	5352.5	5349.1	5352.5	5357.7	5362.7	5365.4	5362.7	5357.7
4.5°	5325.9	5323.4	5319.7	5316.2	5313.5	5316.2	5319.7	5323.4	5325.9	5323.4	5319.7
5°	5285.3	5283.6	5281.4	5279.9	5279.4	5279.9	5281.4	5283.6	5285.3	5283.6	5281.4
5.5°	5241.6	5240.6	5240.6	5241.6	5243.6	5241.6	5240.6	5240.6	5241.6	5240.6	5240.6
6°	5194.2	5194.2	5195.6	5199.6	5201.8	5199.6	5195.6	5194.2	5194.2	5194.2	5195.6
6.5°	5141.3	5142.5	5145.5	5149.7	5152.6	5149.7	5145.5	5142.5	5141.3	5142.5	5145.5
7°	5081.2	5083.7	5086.4	5090.9	5094.3	5090.9	5086.4	5083.7	5081.2	5083.7	5086.4
7.5°	5013.3	5014.3	5017.7	5020.9	5022.9	5020.9	5017.7	5014.3	5013.3	5014.3	5017.7
8°	4935.7	4936.2	4938.2	4940.1	4941.1	4940.1	4938.2	4936.2	4935.7	4936.2	4938.2
8.5°	4847.0	4847.0	4847.2	4846.7	4845.0	4846.7	4847.2	4847.0	4847.0	4847.0	4847.2
9°	4749.9	4749.6	4747.4	4743.9	4742.5	4743.9	4747.4	4749.6	4749.9	4749.6	4747.4
9.5°	4644.1	4643.4	4637.7	4632.8	4628.8	4632.8	4637.7	4643.4	4644.1	4643.4	4637.7
10°	4531.7	4529.2	4521.1	4511.9	4505.8	4511.9	4521.1	4529.2	4531.7	4529.2	4521.1
10.5°	4412.1	4406.9	4397.8	4386.7	4377.8	4386.7	4397.8	4406.9	4412.1	4406.9	4397.8
11°	4284.4	4279.9	4268.0	4258.9	4250.7	4258.9	4268.0	4279.9	4284.4	4279.9	4268.0
11.5°	4151.9	4148.0	4137.8	4124.5	4118.1	4124.5	4137.8	4148.0	4151.9	4148.0	4137.8
12°	4014.8	4011.6	3999.2	3986.9	3978.5	3986.9	3999.2	4011.6	4014.8	4011.6	3999.2
12.5°	3870.7	3865.3	3855.4	3843.5	3836.1	3843.5	3855.4	3865.3	3870.7	3865.3	3855.4
13°	3720.0	3717.3	3708.1	3701.2	3696.8	3701.2	3708.1	3717.3	3720.0	3717.3	3708.1
13.5°	3558.4	3560.4	3558.1	3555.7	3553.5	3555.7	3558.1	3560.4	3558.4	3560.4	3558.1
14°	3398.8	3402.2	3404.9	3408.4	3411.1	3408.4	3404.9	3402.2	3398.8	3402.2	3404.9
14.5°	3240.6	3246.1	3255.2	3264.1	3270.5	3264.1	3255.2	3246.1	3240.6	3246.1	3255.2
15°	3091.6	3096.1	3108.4	3120.0	3128.0	3120.0	3108.4	3096.1	3091.6	3096.1	3108.4
15.5°	2950.8	2956.7	2967.6	2980.4	2990.1	2980.4	2967.6	2956.7	2950.8	2956.7	2967.6
16°	2820.1	2823.8	2833.4	2848.7	2859.9	2848.7	2833.4	2823.8	2820.1	2823.8	2833.4
16.5°	2694.8	2697.8	2709.4	2723.2	2733.8	2723.2	2709.4	2697.8	2694.8	2697.8	2709.4
17°	2575.0	2578.2	2588.6	2602.4	2613.5	2602.4	2588.6	2578.2	2575.0	2578.2	2588.6
17.5°	2461.3	2464.5	2474.6	2486.0	2495.9	2486.0	2474.6	2464.5	2461.3	2464.5	2474.6
18°	2355.3	2358.0	2364.9	2375.8	2385.7	2375.8	2364.9	2358.0	2355.3	2358.0	2364.9
18.5°	2256.0	2256.7	2263.6	2277.0	2279.9	2277.0	2263.6	2256.7	2256.0	2256.7	2263.6
19°	2160.6	2162.6	2172.7	2185.3	2185.8	2185.3	2172.7	2162.6	2160.6	2162.6	2172.7
19.5°	2072.4	2077.8	2087.0	2097.8	2098.8	2097.8	2087.0	2077.8	2072.4	2077.8	2087.0
20°	1996.0	1997.3	2004.9	2016.0	2017.3	2016.0	2004.9	1997.3	1996.0	1997.3	2004.9
20.5°	1922.9	1924.9	1928.8	1938.7	1941.2	1938.7	1928.8	1924.9	1922.9	1924.9	1928.8
21°	1852.2	1855.4	1864.3	1870.3	1873.7	1870.3	1864.3	1855.4	1852.2	1855.4	1864.3



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CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	1677.8	1679.7	1690.6	1700.5	1709.9	1700.5	1690.6	1679.7	1677.8	1679.7	1690.6
23°	1629.6	1631.6	1638.5	1650.3	1661.0	1650.3	1638.5	1631.6	1629.6	1631.6	1638.5
23.5°	1584.1	1585.6	1592.3	1601.2	1613.0	1601.2	1592.3	1585.6	1584.1	1585.6	1592.3
24°	1541.1	1542.6	1548.5	1557.9	1565.8	1557.9	1548.5	1542.6	1541.1	1542.6	1548.5
24.5°	1501.3	1502.1	1506.8	1516.9	1523.3	1516.9	1506.8	1502.1	1501.3	1502.1	1506.8
25°	1463.3	1464.0	1467.7	1478.1	1484.0	1478.1	1467.7	1464.0	1463.3	1464.0	1467.7
25.5°	1426.7	1427.2	1431.2	1441.0	1446.5	1441.0	1431.2	1427.2	1426.7	1427.2	1431.2
26°	1391.6	1392.1	1395.8	1405.7	1411.2	1405.7	1395.8	1392.1	1391.6	1392.1	1395.8
26.5°	1357.3	1358.0	1361.5	1370.9	1376.3	1370.9	1361.5	1358.0	1357.3	1358.0	1361.5
27°	1325.2	1325.9	1328.9	1338.0	1344.2	1338.0	1328.9	1325.9	1325.2	1325.9	1328.9
27.5°	1294.8	1295.3	1298.0	1306.4	1312.3	1306.4	1298.0	1295.3	1294.8	1295.3	1298.0
28°	1265.4	1265.6	1268.6	1276.2	1281.7	1276.2	1268.6	1265.6	1265.4	1265.6	1268.6
28.5°	1237.0	1237.0	1239.9	1246.8	1252.5	1246.8	1239.9	1237.0	1237.0	1237.0	1239.9
29°	1209.5	1209.3	1211.7	1218.7	1223.9	1218.7	1211.7	1209.3	1209.5	1209.3	1211.7
29.5°	1182.1	1182.1	1185.1	1191.0	1196.2	1191.0	1185.1	1182.1	1182.1	1182.1	1185.1
30°	1156.2	1156.2	1159.1	1164.8	1170.2	1164.8	1159.1	1156.2	1156.2	1156.2	1159.1
30.5°	1131.2	1131.2	1133.9	1139.3	1144.5	1139.3	1133.9	1131.2	1131.2	1131.2	1133.9
31°	1107.5	1107.2	1110.4	1115.4	1120.6	1115.4	1110.4	1107.2	1107.5	1107.2	1110.4
31.5°	1084.7	1084.2	1087.0	1091.4	1096.6	1091.4	1087.0	1084.2	1084.7	1084.2	1087.0
32°	1063.0	1062.5	1065.0	1068.7	1072.4	1068.7	1065.0	1062.5	1063.0	1062.5	1065.0
32.5°	1041.3	1041.0	1042.0	1045.0	1047.4	1045.0	1042.0	1041.0	1041.3	1041.0	1042.0
33°	1018.8	1018.0	1018.0	1020.2	1022.5	1020.2	1018.0	1018.0	1018.8	1018.0	1018.0
33.5°	994.8	993.6	993.8	994.8	998.0	994.8	993.8	993.6	994.8	993.6	993.8
34°	969.3	968.1	968.1	967.4	970.8	967.4	968.1	968.1	969.3	968.1	968.1
34.5°	942.9	941.4	941.9	940.9	943.9	940.9	941.9	941.4	942.9	941.4	941.9
35°	915.2	914.7	914.5	914.5	916.0	914.5	914.5	914.7	915.2	914.7	914.5
35.5°	887.1	886.3	886.1	887.6	887.6	887.6	886.1	886.3	887.1	886.3	886.1
36°	858.2	857.9	857.9	859.6	858.4	859.6	857.9	857.9	858.2	857.9	857.9
36.5°	828.0	829.0	829.0	831.5	829.5	831.5	829.0	829.0	828.0	829.0	829.0
37°	797.6	799.1	800.1	802.3	799.8	802.3	800.1	799.1	797.6	799.1	800.1
37.5°	767.7	768.7	771.9	772.4	770.4	772.4	771.9	768.7	767.7	768.7	771.9
38°	737.6	737.8	741.8	741.3	741.0	741.3	741.8	737.8	737.6	737.8	741.8
38.5°	706.9	706.4	711.1	709.9	710.9	709.9	711.1	706.4	706.9	706.4	711.1
39°	674.8	675.3	680.5	678.3	681.0	678.3	680.5	675.3	674.8	675.3	680.5
39.5°	642.2	643.7	649.6	647.1	650.1	647.1	649.6	643.7	642.2	643.7	649.6
40°	609.6	612.3	618.5	616.3	619.2	616.3	618.5	612.3	609.6	612.3	618.5
40.5°	578.4	581.2	586.8	586.4	588.3	586.4	586.8	581.2	578.4	581.2	586.8
41°	547.8	550.3	555.2	556.2	557.4	556.2	555.2	550.3	547.8	550.3	555.2
41.5°	517.7	519.9	523.6	526.8	527.3	526.8	523.6	519.9	517.7	519.9	523.6
42°	487.8	489.5	492.5	497.2	497.6	497.2	492.5	489.5	487.8	489.5	492.5
42.5°	458.6	459.8	461.8	468.0	469.2	468.0	461.8	459.8	458.6	459.8	461.8
43°	429.2	430.2	431.7	438.6	440.8	438.6	431.7	430.2	429.2	430.2	431.7
43.5°	400.3	400.5	402.5	409.4	412.6	409.4	402.5	400.5	400.3	400.5	402.5



TEST NUMBER: P776051

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	315.5	316.3	319.7	327.2	331.1	327.2	319.7	316.3	315.5	316.3	319.7
45.5°	289.3	290.3	293.8	301.5	304.9	301.5	293.8	290.3	289.3	290.3	293.8
46°	264.6	264.9	268.6	275.8	279.7	275.8	268.6	264.9	264.6	264.9	268.6
46.5°	240.2	240.7	243.9	250.6	255.5	250.6	243.9	240.7	240.2	240.7	243.9
47°	216.5	216.9	220.7	227.1	232.0	227.1	220.7	216.9	216.5	216.9	220.7
47.5°	193.0	194.5	198.9	204.3	210.3	204.3	198.9	194.5	193.0	194.5	198.9
48°	171.7	172.7	177.9	183.3	188.5	183.3	177.9	172.7	171.7	172.7	177.9
48.5°	151.2	152.2	157.9	163.6	169.0	163.6	157.9	152.2	151.2	152.2	157.9
49°	132.2	133.2	139.1	144.8	151.2	144.8	139.1	133.2	132.2	133.2	139.1
49.5°	114.2	116.1	121.6	127.3	133.7	127.3	121.6	116.1	114.2	116.1	121.6
50°	97.6	99.8	105.5	110.7	116.1	110.7	105.5	99.8	97.6	99.8	105.5
50.5°	82.3	85.7	90.7	95.1	98.6	95.1	90.7	85.7	82.3	85.7	90.7
51°	68.9	72.4	76.8	80.6	82.5	80.6	76.8	72.4	68.9	72.4	76.8
51.5°	58.1	60.5	63.8	67.7	69.2	67.7	63.8	60.5	58.1	60.5	63.8
52°	48.2	50.4	52.9	56.3	57.1	56.3	52.9	50.4	48.2	50.4	52.9
52.5°	39.5	40.5	43.5	46.5	46.0	46.5	43.5	40.5	39.5	40.5	43.5
53°	30.9	32.6	34.6	37.1	36.6	37.1	34.6	32.6	30.9	32.6	34.6
53.5°	22.2	24.7	26.7	28.4	28.2	28.4	26.7	24.7	22.2	24.7	26.7
54°	16.1	17.0	19.3	21.5	23.2	21.5	19.3	17.0	16.1	17.0	19.3
54.5°	10.1	11.4	13.8	15.3	18.3	15.3	13.8	11.4	10.1	11.4	13.8
55°	6.2	7.2	9.4	10.6	13.3	10.6	9.4	7.2	6.2	7.2	9.4
55.5°	4.4	4.4	5.4	6.7	8.6	6.7	5.4	4.4	4.4	4.4	5.4
56°	3.2	3.0	3.5	4.2	4.4	4.2	3.5	3.0	3.2	3.0	3.5
56.5°	2.2	2.0	2.5	3.2	2.5	3.2	2.5	2.0	2.2	2.0	2.5
57°	1.2	1.7	1.7	2.2	1.5	2.2	1.7	1.7	1.2	1.7	1.7
57.5°	1.2	1.2	1.2	1.7	1.2	1.7	1.2	1.2	1.2	1.2	1.2
58°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
58.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
59°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
59.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
61°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
61.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
62°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	0.5	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	0.5	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: P776051  
 CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.5	0.5	0.5	0.5	0.2	0.5	0.5	0.5	0.5	0.5	0.5
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°	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2
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: P776051  
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-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: P776051

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	5593.7	5593.7	5593.7	5593.7	5593.7	5593.7
0.5°	5588.0	5596.7	5588.0	5587.0	5587.0	5587.0
1°	5571.7	5577.6	5571.7	5571.5	5572.2	5572.2
1.5°	5544.5	5548.2	5544.5	5545.8	5547.7	5548.0
2°	5510.2	5510.7	5510.2	5513.2	5515.9	5517.4
2.5°	5470.9	5469.4	5470.9	5475.8	5479.8	5480.8
3°	5429.9	5427.2	5429.9	5436.6	5441.0	5442.2
3.5°	5390.1	5386.6	5390.1	5396.8	5402.0	5403.7
4°	5352.5	5349.1	5352.5	5357.7	5362.7	5365.4
4.5°	5316.2	5313.5	5316.2	5319.7	5323.4	5325.9
5°	5279.9	5279.4	5279.9	5281.4	5283.6	5285.3
5.5°	5241.6	5243.6	5241.6	5240.6	5240.6	5241.6
6°	5199.6	5201.8	5199.6	5195.6	5194.2	5194.2
6.5°	5149.7	5152.6	5149.7	5145.5	5142.5	5141.3
7°	5090.9	5094.3	5090.9	5086.4	5083.7	5081.2
7.5°	5020.9	5022.9	5020.9	5017.7	5014.3	5013.3
8°	4940.1	4941.1	4940.1	4938.2	4936.2	4935.7
8.5°	4846.7	4845.0	4846.7	4847.2	4847.0	4847.0
9°	4743.9	4742.5	4743.9	4747.4	4749.6	4749.9
9.5°	4632.8	4628.8	4632.8	4637.7	4643.4	4644.1
10°	4511.9	4505.8	4511.9	4521.1	4529.2	4531.7
10.5°	4386.7	4377.8	4386.7	4397.8	4406.9	4412.1
11°	4258.9	4250.7	4258.9	4268.0	4279.9	4284.4
11.5°	4124.5	4118.1	4124.5	4137.8	4148.0	4151.9
12°	3986.9	3978.5	3986.9	3999.2	4011.6	4014.8
12.5°	3843.5	3836.1	3843.5	3855.4	3865.3	3870.7
13°	3701.2	3696.8	3701.2	3708.1	3717.3	3720.0
13.5°	3555.7	3553.5	3555.7	3558.1	3560.4	3558.4
14°	3408.4	3411.1	3408.4	3404.9	3402.2	3398.8
14.5°	3264.1	3270.5	3264.1	3255.2	3246.1	3240.6
15°	3120.0	3128.0	3120.0	3108.4	3096.1	3091.6
15.5°	2980.4	2990.1	2980.4	2967.6	2956.7	2950.8
16°	2848.7	2859.9	2848.7	2833.4	2823.8	2820.1
16.5°	2723.2	2733.8	2723.2	2709.4	2697.8	2694.8
17°	2602.4	2613.5	2602.4	2588.6	2578.2	2575.0
17.5°	2486.0	2495.9	2486.0	2474.6	2464.5	2461.3
18°	2375.8	2385.7	2375.8	2364.9	2358.0	2355.3
18.5°	2277.0	2279.9	2277.0	2263.6	2256.7	2256.0
19°	2185.3	2185.8	2185.3	2172.7	2162.6	2160.6
19.5°	2097.8	2098.8	2097.8	2087.0	2077.8	2072.4
20°	2016.0	2017.3	2016.0	2004.9	1997.3	1996.0
20.5°	1938.7	1941.2	1938.7	1928.8	1924.9	1922.9
21°	1870.3	1873.7	1870.3	1864.3	1855.4	1852.2

TEST NUMBER: P776051

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1700.5	1709.9	1700.5	1690.6	1679.7	1677.8
23°	1650.3	1661.0	1650.3	1638.5	1631.6	1629.6
23.5°	1601.2	1613.0	1601.2	1592.3	1585.6	1584.1
24°	1557.9	1565.8	1557.9	1548.5	1542.6	1541.1
24.5°	1516.9	1523.3	1516.9	1506.8	1502.1	1501.3
25°	1478.1	1484.0	1478.1	1467.7	1464.0	1463.3
25.5°	1441.0	1446.5	1441.0	1431.2	1427.2	1426.7
26°	1405.7	1411.2	1405.7	1395.8	1392.1	1391.6
26.5°	1370.9	1376.3	1370.9	1361.5	1358.0	1357.3
27°	1338.0	1344.2	1338.0	1328.9	1325.9	1325.2
27.5°	1306.4	1312.3	1306.4	1298.0	1295.3	1294.8
28°	1276.2	1281.7	1276.2	1268.6	1265.6	1265.4
28.5°	1246.8	1252.5	1246.8	1239.9	1237.0	1237.0
29°	1218.7	1223.9	1218.7	1211.7	1209.3	1209.5
29.5°	1191.0	1196.2	1191.0	1185.1	1182.1	1182.1
30°	1164.8	1170.2	1164.8	1159.1	1156.2	1156.2
30.5°	1139.3	1144.5	1139.3	1133.9	1131.2	1131.2
31°	1115.4	1120.6	1115.4	1110.4	1107.2	1107.5
31.5°	1091.4	1096.6	1091.4	1087.0	1084.2	1084.7
32°	1068.7	1072.4	1068.7	1065.0	1062.5	1063.0
32.5°	1045.0	1047.4	1045.0	1042.0	1041.0	1041.3
33°	1020.2	1022.5	1020.2	1018.0	1018.0	1018.8
33.5°	994.8	998.0	994.8	993.8	993.6	994.8
34°	967.4	970.8	967.4	968.1	968.1	969.3
34.5°	940.9	943.9	940.9	941.9	941.4	942.9
35°	914.5	916.0	914.5	914.5	914.7	915.2
35.5°	887.6	887.6	887.6	886.1	886.3	887.1
36°	859.6	858.4	859.6	857.9	857.9	858.2
36.5°	831.5	829.5	831.5	829.0	829.0	828.0
37°	802.3	799.8	802.3	800.1	799.1	797.6
37.5°	772.4	770.4	772.4	771.9	768.7	767.7
38°	741.3	741.0	741.3	741.8	737.8	737.6
38.5°	709.9	710.9	709.9	711.1	706.4	706.9
39°	678.3	681.0	678.3	680.5	675.3	674.8
39.5°	647.1	650.1	647.1	649.6	643.7	642.2
40°	616.3	619.2	616.3	618.5	612.3	609.6
40.5°	586.4	588.3	586.4	586.8	581.2	578.4
41°	556.2	557.4	556.2	555.2	550.3	547.8
41.5°	526.8	527.3	526.8	523.6	519.9	517.7
42°	497.2	497.6	497.2	492.5	489.5	487.8
42.5°	468.0	469.2	468.0	461.8	459.8	458.6
43°	438.6	440.8	438.6	431.7	430.2	429.2
43.5°	409.4	412.6	409.4	402.5	400.5	400.3



TEST NUMBER: P776051

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	327.2	331.1	327.2	319.7	316.3	315.5
45.5°	301.5	304.9	301.5	293.8	290.3	289.3
46°	275.8	279.7	275.8	268.6	264.9	264.6
46.5°	250.6	255.5	250.6	243.9	240.7	240.2
47°	227.1	232.0	227.1	220.7	216.9	216.5
47.5°	204.3	210.3	204.3	198.9	194.5	193.0
48°	183.3	188.5	183.3	177.9	172.7	171.7
48.5°	163.6	169.0	163.6	157.9	152.2	151.2
49°	144.8	151.2	144.8	139.1	133.2	132.2
49.5°	127.3	133.7	127.3	121.6	116.1	114.2
50°	110.7	116.1	110.7	105.5	99.8	97.6
50.5°	95.1	98.6	95.1	90.7	85.7	82.3
51°	80.6	82.5	80.6	76.8	72.4	68.9
51.5°	67.7	69.2	67.7	63.8	60.5	58.1
52°	56.3	57.1	56.3	52.9	50.4	48.2
52.5°	46.5	46.0	46.5	43.5	40.5	39.5
53°	37.1	36.6	37.1	34.6	32.6	30.9
53.5°	28.4	28.2	28.4	26.7	24.7	22.2
54°	21.5	23.2	21.5	19.3	17.0	16.1
54.5°	15.3	18.3	15.3	13.8	11.4	10.1
55°	10.6	13.3	10.6	9.4	7.2	6.2
55.5°	6.7	8.6	6.7	5.4	4.4	4.4
56°	4.2	4.4	4.2	3.5	3.0	3.2
56.5°	3.2	2.5	3.2	2.5	2.0	2.2
57°	2.2	1.5	2.2	1.7	1.7	1.2
57.5°	1.7	1.2	1.7	1.2	1.2	1.2
58°	1.2	1.2	1.2	1.2	1.2	1.2
58.5°	1.0	1.0	1.0	1.0	1.0	1.0
59°	1.0	1.0	1.0	1.0	1.0	1.0
59.5°	1.0	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0	1.0
60.5°	0.7	0.7	0.7	0.7	0.7	0.7
61°	0.7	0.7	0.7	0.7	0.7	0.7
61.5°	0.7	0.7	0.7	0.7	0.7	0.7
62°	0.7	0.7	0.7	0.7	0.7	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°	0.5	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	0.5	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: P776051

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.5	0.2	0.5	0.5	0.5	0.5
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	0.0
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: P776051  
CATALOG NUMBER: HCDJBL1525CSD-HCD62TRC-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



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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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Peachtree City, GA 30269

Scaled Data Report





21.5°	1785.5	1792.7	1803.3	1809.7	1811.7	1809.7	1803.3	1792.7	1785.5	1792.7	1803.3
22°	1730.6	1734.6	1745.2	1753.9	1759.8	1753.9	1745.2	1734.6	1730.6	1734.6	1745.2



44°	370.9	371.6	373.9	380.8	385.0	380.8	373.9	371.6	370.9	371.6	373.9
44.5°	343.0	343.7	345.9	353.8	357.8	353.8	345.9	343.7	343.0	343.7	345.9



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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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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21.5°	1809.7	1811.7	1809.7	1803.3	1792.7	1785.5
22°	1753.9	1759.8	1753.9	1745.2	1734.6	1730.6



44°	380.8	385.0	380.8	373.9	371.6	370.9
44.5°	353.8	357.8	353.8	345.9	343.7	343.0

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

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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)