

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: P776052

Luminaire Tested: HCDJBS1525CSD-HCD62TRC-2500lm-3500K

Issue Date: 2/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P776052  
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-3500K  
Description: 6 INCH ROUND NARROW SPECULAR CLEAR TRIM  
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

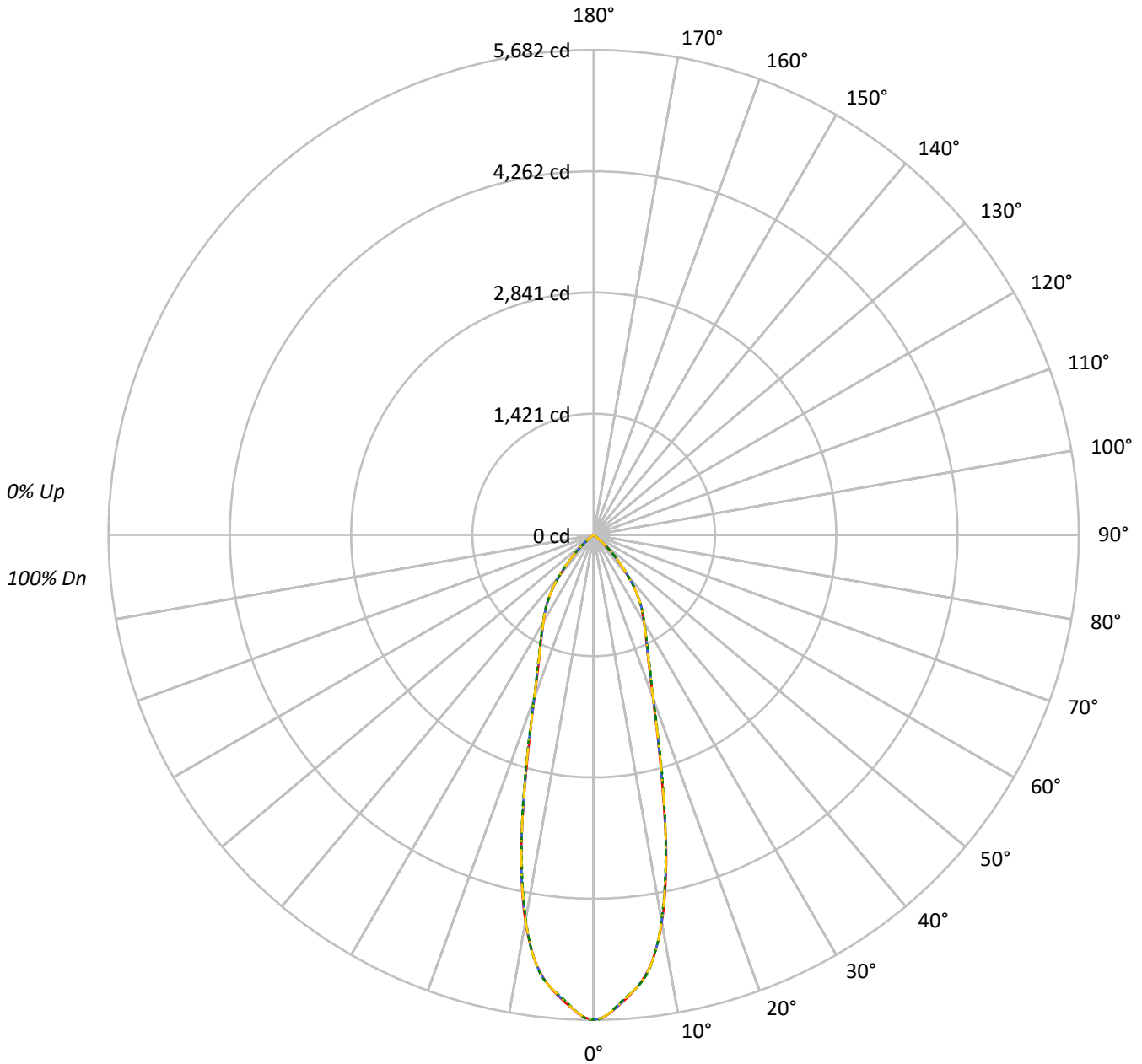
Lumens per Lamp: N/A  
Luminaire Lumens: 2907.0 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Spacing Criteria (0/90/45): 0.53 / 0.54 / 0.57  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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					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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94								
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88								
3	103	97	92	89	101	96	91	88	93	90	87	91	88	85	89	86	84	82								
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77								
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	77	74	72								
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68								
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	65	64								
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61								
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57								
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55								

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

	0°	90°	180°	270°
0°	311324	311324	311324	311324
5°	295283	294953	295283	294953
10°	256107	254638	256107	254638
15°	178140	180228	178140	180228
20°	118217	119477	118217	119477
25°	89860	91136	89860	91136
30°	74303	75208	74303	75208
35°	62185	62232	62185	62232
40°	44290	44991	44290	44991
45°	24832	26065	24832	26065
50°	8452	10055	8452	10055
55°	602	1290	602	1290
60°	110	110	110	110
65°	65	65	65	65
70°	48	48	48	48
75°	64	64	64	64
80°	0	0	0	0
85°	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 26065 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	489.7	16.8
10°-20°	871.6	30.0
20°-30°	696.0	23.9
30°-40°	569.7	19.6
40°-50°	257.3	8.9
50°-60°	22.0	0.8
60°-70°	0.5	0.0
70°-80°	0.2	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2057.3	70.8
0°-40°	2627.0	90.4
0°-60°	2906.3	100.0
0°-90°	2907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2907.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5679	5679	5679	5679	5679	
5°	5366	5360	5366	5360	5366	490
15°	3139	3176	3139	3176	3139	870
25°	1486	1507	1486	1507	1486	692
35°	929	930	929	930	929	568
45°	320	336	320	336	320	253
55°	6	14	6	14	6	20
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°	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0
0.5°	5672.2	5672.2	5672.2	5673.2	5682.0	5673.2	5672.2	5672.2	5672.2	5672.2	5672.2
1°	5657.1	5657.1	5656.4	5656.6	5662.7	5656.6	5656.4	5657.1	5657.1	5657.1	5656.4
1.5°	5632.6	5632.3	5630.3	5629.1	5632.8	5629.1	5630.3	5632.3	5632.6	5632.3	5630.3
2°	5601.5	5600.0	5597.2	5594.2	5594.7	5594.2	5597.2	5600.0	5601.5	5600.0	5597.2
2.5°	5564.3	5563.3	5559.3	5554.3	5552.8	5554.3	5559.3	5563.3	5564.3	5563.3	5559.3
3°	5525.2	5523.9	5519.4	5512.7	5509.9	5512.7	5519.4	5523.9	5525.2	5523.9	5519.4
3.5°	5486.1	5484.3	5479.0	5472.3	5468.8	5472.3	5479.0	5484.3	5486.1	5484.3	5479.0
4°	5447.2	5444.4	5439.4	5434.1	5430.6	5434.1	5439.4	5444.4	5447.2	5444.4	5439.4
4.5°	5407.0	5404.5	5400.8	5397.3	5394.5	5397.3	5400.8	5404.5	5407.0	5404.5	5400.8
5°	5365.9	5364.1	5361.9	5360.4	5359.9	5360.4	5361.9	5364.1	5365.9	5364.1	5361.9
5.5°	5321.5	5320.5	5320.5	5321.5	5323.5	5321.5	5320.5	5320.5	5321.5	5320.5	5320.5
6°	5273.3	5273.3	5274.8	5278.9	5281.1	5278.9	5274.8	5273.3	5273.3	5273.3	5274.8
6.5°	5219.6	5220.9	5223.9	5228.2	5231.2	5228.2	5223.9	5220.9	5219.6	5220.9	5223.9
7°	5158.7	5161.2	5164.0	5168.5	5172.0	5168.5	5164.0	5161.2	5158.7	5161.2	5164.0
7.5°	5089.7	5090.7	5094.2	5097.5	5099.5	5097.5	5094.2	5090.7	5089.7	5090.7	5094.2
8°	5010.9	5011.4	5013.4	5015.4	5016.5	5015.4	5013.4	5011.4	5010.9	5011.4	5013.4
8.5°	4920.9	4920.9	4921.1	4920.6	4918.9	4920.6	4921.1	4920.9	4920.9	4920.9	4921.1
9°	4822.3	4822.0	4819.8	4816.3	4814.8	4816.3	4819.8	4822.0	4822.3	4822.0	4819.8
9.5°	4714.9	4714.2	4708.4	4703.4	4699.4	4703.4	4708.4	4714.2	4714.9	4714.2	4708.4
10°	4600.8	4598.3	4590.0	4580.7	4574.4	4580.7	4590.0	4598.3	4600.8	4598.3	4590.0
10.5°	4479.4	4474.1	4464.8	4453.5	4444.5	4453.5	4464.8	4474.1	4479.4	4474.1	4464.8
11°	4349.7	4345.1	4333.1	4323.8	4315.5	4323.8	4333.1	4345.1	4349.7	4345.1	4333.1
11.5°	4215.2	4211.2	4200.9	4187.4	4180.8	4187.4	4200.9	4211.2	4215.2	4211.2	4200.9
12°	4076.0	4072.7	4060.2	4047.6	4039.1	4047.6	4060.2	4072.7	4076.0	4072.7	4060.2
12.5°	3929.7	3924.2	3914.2	3902.1	3894.6	3902.1	3914.2	3924.2	3929.7	3924.2	3914.2
13°	3776.7	3773.9	3764.7	3757.6	3753.1	3757.6	3764.7	3773.9	3776.7	3773.9	3764.7
13.5°	3612.6	3614.6	3612.4	3609.9	3607.6	3609.9	3612.4	3614.6	3612.6	3614.6	3612.4
14°	3450.6	3454.1	3456.9	3460.4	3463.1	3460.4	3456.9	3454.1	3450.6	3454.1	3456.9
14.5°	3290.0	3295.6	3304.8	3313.9	3320.4	3313.9	3304.8	3295.6	3290.0	3295.6	3304.8
15°	3138.8	3143.3	3155.8	3167.6	3175.6	3167.6	3155.8	3143.3	3138.8	3143.3	3155.8
15.5°	2995.8	3001.8	3012.8	3025.9	3035.7	3025.9	3012.8	3001.8	2995.8	3001.8	3012.8
16°	2863.1	2866.8	2876.6	2892.2	2903.5	2892.2	2876.6	2866.8	2863.1	2866.8	2876.6
16.5°	2735.9	2738.9	2750.7	2764.7	2775.5	2764.7	2750.7	2738.9	2735.9	2738.9	2750.7
17°	2614.2	2617.5	2628.0	2642.1	2653.3	2642.1	2628.0	2617.5	2614.2	2617.5	2628.0
17.5°	2498.8	2502.1	2512.4	2523.9	2533.9	2523.9	2512.4	2502.1	2498.8	2502.1	2512.4
18°	2391.2	2394.0	2401.0	2412.0	2422.1	2412.0	2401.0	2394.0	2391.2	2394.0	2401.0
18.5°	2290.4	2291.1	2298.1	2311.7	2314.7	2311.7	2298.1	2291.1	2290.4	2291.1	2298.1
19°	2193.5	2195.5	2205.8	2218.6	2219.1	2218.6	2205.8	2195.5	2193.5	2195.5	2205.8
19.5°	2104.0	2109.5	2118.8	2129.8	2130.8	2129.8	2118.8	2109.5	2104.0	2109.5	2118.8
20°	2026.4	2027.7	2035.5	2046.8	2048.0	2046.8	2035.5	2027.7	2026.4	2027.7	2035.5
20.5°	1952.2	1954.2	1958.2	1968.2	1970.8	1968.2	1958.2	1954.2	1952.2	1954.2	1958.2
21°	1880.4	1883.7	1892.7	1898.8	1902.3	1898.8	1892.7	1883.7	1880.4	1883.7	1892.7



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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°	1703.3	1705.3	1716.4	1726.4	1736.0	1726.4	1716.4	1705.3	1703.3	1705.3	1716.4
23°	1654.4	1656.4	1663.5	1675.5	1686.3	1675.5	1663.5	1656.4	1654.4	1656.4	1663.5
23.5°	1608.3	1609.8	1616.5	1625.6	1637.6	1625.6	1616.5	1609.8	1608.3	1609.8	1616.5
24°	1564.6	1566.1	1572.1	1581.7	1589.7	1581.7	1572.1	1566.1	1564.6	1566.1	1572.1
24.5°	1524.2	1525.0	1529.7	1540.0	1546.6	1540.0	1529.7	1525.0	1524.2	1525.0	1529.7
25°	1485.6	1486.3	1490.1	1500.6	1506.7	1500.6	1490.1	1486.3	1485.6	1486.3	1490.1
25.5°	1448.5	1449.0	1453.0	1463.0	1468.5	1463.0	1453.0	1449.0	1448.5	1449.0	1453.0
26°	1412.8	1413.3	1417.1	1427.1	1432.7	1427.1	1417.1	1413.3	1412.8	1413.3	1417.1
26.5°	1378.0	1378.7	1382.2	1391.8	1397.3	1391.8	1382.2	1378.7	1378.0	1378.7	1382.2
27°	1345.4	1346.1	1349.1	1358.4	1364.7	1358.4	1349.1	1346.1	1345.4	1346.1	1349.1
27.5°	1314.5	1315.0	1317.8	1326.3	1332.3	1326.3	1317.8	1315.0	1314.5	1315.0	1317.8
28°	1284.7	1284.9	1287.9	1295.7	1301.2	1295.7	1287.9	1284.9	1284.7	1284.9	1287.9
28.5°	1255.8	1255.8	1258.8	1265.8	1271.6	1265.8	1258.8	1255.8	1255.8	1255.8	1258.8
29°	1228.0	1227.7	1230.2	1237.2	1242.5	1237.2	1230.2	1227.7	1228.0	1227.7	1230.2
29.5°	1200.1	1200.1	1203.1	1209.1	1214.4	1209.1	1203.1	1200.1	1200.1	1200.1	1203.1
30°	1173.8	1173.8	1176.8	1182.6	1188.1	1182.6	1176.8	1173.8	1173.8	1173.8	1176.8
30.5°	1148.4	1148.4	1151.2	1156.7	1162.0	1156.7	1151.2	1148.4	1148.4	1148.4	1151.2
31°	1124.4	1124.1	1127.4	1132.4	1137.7	1132.4	1127.4	1124.1	1124.4	1124.1	1127.4
31.5°	1101.3	1100.8	1103.5	1108.0	1113.3	1108.0	1103.5	1100.8	1101.3	1100.8	1103.5
32°	1079.2	1078.7	1081.2	1085.0	1088.7	1085.0	1081.2	1078.7	1079.2	1078.7	1081.2
32.5°	1057.1	1056.9	1057.9	1060.9	1063.4	1060.9	1057.9	1056.9	1057.1	1056.9	1057.9
33°	1034.3	1033.5	1033.5	1035.8	1038.1	1035.8	1033.5	1033.5	1034.3	1033.5	1033.5
33.5°	1010.0	1008.7	1009.0	1010.0	1013.2	1010.0	1009.0	1008.7	1010.0	1008.7	1009.0
34°	984.1	982.9	982.9	982.1	985.6	982.1	982.9	982.9	984.1	982.9	982.9
34.5°	957.3	955.8	956.3	955.3	958.3	955.3	956.3	955.8	957.3	955.8	956.3
35°	929.2	928.7	928.4	928.4	929.9	928.4	928.4	928.7	929.2	928.7	928.4
35.5°	900.6	899.8	899.6	901.1	901.1	901.1	899.6	899.8	900.6	899.8	899.6
36°	871.2	871.0	871.0	872.7	871.5	872.7	871.0	871.0	871.2	871.0	871.0
36.5°	840.6	841.6	841.6	844.1	842.1	844.1	841.6	841.6	840.6	841.6	841.6
37°	809.8	811.3	812.3	814.5	812.0	814.5	812.3	811.3	809.8	811.3	812.3
37.5°	779.4	780.4	783.7	784.2	782.2	784.2	783.7	780.4	779.4	780.4	783.7
38°	748.8	749.1	753.1	752.6	752.3	752.6	753.1	749.1	748.8	749.1	753.1
38.5°	717.7	717.2	722.0	720.7	721.7	720.7	722.0	717.2	717.7	717.2	722.0
39°	685.1	685.6	690.9	688.6	691.4	688.6	690.9	685.6	685.1	685.6	690.9
39.5°	652.0	653.5	659.5	657.0	660.0	657.0	659.5	653.5	652.0	653.5	659.5
40°	618.9	621.6	627.9	625.6	628.7	625.6	627.9	621.6	618.9	621.6	627.9
40.5°	587.3	590.0	595.8	595.3	597.3	595.3	595.8	590.0	587.3	590.0	595.8
41°	556.2	558.7	563.7	564.7	565.9	564.7	563.7	558.7	556.2	558.7	563.7
41.5°	525.6	527.8	531.6	534.8	535.3	534.8	531.6	527.8	525.6	527.8	531.6
42°	495.2	497.0	500.0	504.7	505.2	504.7	500.0	497.0	495.2	497.0	500.0
42.5°	465.6	466.9	468.9	475.1	476.4	475.1	468.9	466.9	465.6	466.9	468.9
43°	435.7	436.7	438.3	445.3	447.5	445.3	438.3	436.7	435.7	436.7	438.3
43.5°	406.4	406.6	408.7	415.7	418.9	415.7	408.7	406.6	406.4	406.6	408.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	320.3	321.1	324.6	332.1	336.2	332.1	324.6	321.1	320.3	321.1	324.6
45.5°	293.8	294.8	298.3	306.0	309.6	306.0	298.3	294.8	293.8	294.8	298.3
46°	268.7	268.9	272.7	280.0	284.0	280.0	272.7	268.9	268.7	268.9	272.7
46.5°	243.8	244.3	247.6	254.4	259.4	254.4	247.6	244.3	243.8	244.3	247.6
47°	219.8	220.3	224.0	230.5	235.6	230.5	224.0	220.3	219.8	220.3	224.0
47.5°	195.9	197.4	201.9	207.5	213.5	207.5	201.9	197.4	195.9	197.4	201.9
48°	174.3	175.4	180.6	186.1	191.4	186.1	180.6	175.4	174.3	175.4	180.6
48.5°	153.5	154.5	160.3	166.1	171.6	166.1	160.3	154.5	153.5	154.5	160.3
49°	134.2	135.2	141.2	147.0	153.5	147.0	141.2	135.2	134.2	135.2	141.2
49.5°	115.9	117.9	123.4	129.2	135.7	129.2	123.4	117.9	115.9	117.9	123.4
50°	99.1	101.3	107.1	112.4	117.9	112.4	107.1	101.3	99.1	101.3	107.1
50.5°	83.5	87.0	92.1	96.6	100.1	96.6	92.1	87.0	83.5	87.0	92.1
51°	70.0	73.5	78.0	81.8	83.8	81.8	78.0	73.5	70.0	73.5	78.0
51.5°	59.0	61.5	64.7	68.7	70.2	68.7	64.7	61.5	59.0	61.5	64.7
52°	48.9	51.2	53.7	57.2	57.9	57.2	53.7	51.2	48.9	51.2	53.7
52.5°	40.1	41.1	44.2	47.2	46.7	47.2	44.2	41.1	40.1	41.1	44.2
53°	31.4	33.1	35.1	37.6	37.1	37.6	35.1	33.1	31.4	33.1	35.1
53.5°	22.6	25.1	27.1	28.8	28.6	28.8	27.1	25.1	22.6	25.1	27.1
54°	16.3	17.3	19.6	21.8	23.6	21.8	19.6	17.3	16.3	17.3	19.6
54.5°	10.3	11.5	14.0	15.6	18.6	15.6	14.0	11.5	10.3	11.5	14.0
55°	6.3	7.3	9.5	10.8	13.5	10.8	9.5	7.3	6.3	7.3	9.5
55.5°	4.5	4.5	5.5	6.8	8.8	6.8	5.5	4.5	4.5	4.5	5.5
56°	3.3	3.0	3.5	4.3	4.5	4.3	3.5	3.0	3.3	3.0	3.5
56.5°	2.3	2.0	2.5	3.3	2.5	3.3	2.5	2.0	2.3	2.0	2.5
57°	1.3	1.8	1.8	2.3	1.5	2.3	1.8	1.8	1.3	1.8	1.8
57.5°	1.3	1.3	1.3	1.8	1.3	1.8	1.3	1.3	1.3	1.3	1.3
58°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
61°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
61.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
62°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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: P776052

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**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	0.3	0.5	0.5	0.5	0.5	0.5	0.5
68°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
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: P776052  
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**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: P776052

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	5679.0	5679.0	5679.0	5679.0	5679.0	5679.0
0.5°	5673.2	5682.0	5673.2	5672.2	5672.2	5672.2
1°	5656.6	5662.7	5656.6	5656.4	5657.1	5657.1
1.5°	5629.1	5632.8	5629.1	5630.3	5632.3	5632.6
2°	5594.2	5594.7	5594.2	5597.2	5600.0	5601.5
2.5°	5554.3	5552.8	5554.3	5559.3	5563.3	5564.3
3°	5512.7	5509.9	5512.7	5519.4	5523.9	5525.2
3.5°	5472.3	5468.8	5472.3	5479.0	5484.3	5486.1
4°	5434.1	5430.6	5434.1	5439.4	5444.4	5447.2
4.5°	5397.3	5394.5	5397.3	5400.8	5404.5	5407.0
5°	5360.4	5359.9	5360.4	5361.9	5364.1	5365.9
5.5°	5321.5	5323.5	5321.5	5320.5	5320.5	5321.5
6°	5278.9	5281.1	5278.9	5274.8	5273.3	5273.3
6.5°	5228.2	5231.2	5228.2	5223.9	5220.9	5219.6
7°	5168.5	5172.0	5168.5	5164.0	5161.2	5158.7
7.5°	5097.5	5099.5	5097.5	5094.2	5090.7	5089.7
8°	5015.4	5016.5	5015.4	5013.4	5011.4	5010.9
8.5°	4920.6	4918.9	4920.6	4921.1	4920.9	4920.9
9°	4816.3	4814.8	4816.3	4819.8	4822.0	4822.3
9.5°	4703.4	4699.4	4703.4	4708.4	4714.2	4714.9
10°	4580.7	4574.4	4580.7	4590.0	4598.3	4600.8
10.5°	4453.5	4444.5	4453.5	4464.8	4474.1	4479.4
11°	4323.8	4315.5	4323.8	4333.1	4345.1	4349.7
11.5°	4187.4	4180.8	4187.4	4200.9	4211.2	4215.2
12°	4047.6	4039.1	4047.6	4060.2	4072.7	4076.0
12.5°	3902.1	3894.6	3902.1	3914.2	3924.2	3929.7
13°	3757.6	3753.1	3757.6	3764.7	3773.9	3776.7
13.5°	3609.9	3607.6	3609.9	3612.4	3614.6	3612.6
14°	3460.4	3463.1	3460.4	3456.9	3454.1	3450.6
14.5°	3313.9	3320.4	3313.9	3304.8	3295.6	3290.0
15°	3167.6	3175.6	3167.6	3155.8	3143.3	3138.8
15.5°	3025.9	3035.7	3025.9	3012.8	3001.8	2995.8
16°	2892.2	2903.5	2892.2	2876.6	2866.8	2863.1
16.5°	2764.7	2775.5	2764.7	2750.7	2738.9	2735.9
17°	2642.1	2653.3	2642.1	2628.0	2617.5	2614.2
17.5°	2523.9	2533.9	2523.9	2512.4	2502.1	2498.8
18°	2412.0	2422.1	2412.0	2401.0	2394.0	2391.2
18.5°	2311.7	2314.7	2311.7	2298.1	2291.1	2290.4
19°	2218.6	2219.1	2218.6	2205.8	2195.5	2193.5
19.5°	2129.8	2130.8	2129.8	2118.8	2109.5	2104.0
20°	2046.8	2048.0	2046.8	2035.5	2027.7	2026.4
20.5°	1968.2	1970.8	1968.2	1958.2	1954.2	1952.2
21°	1898.8	1902.3	1898.8	1892.7	1883.7	1880.4



TEST NUMBER: P776052

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1726.4	1736.0	1726.4	1716.4	1705.3	1703.3
23°	1675.5	1686.3	1675.5	1663.5	1656.4	1654.4
23.5°	1625.6	1637.6	1625.6	1616.5	1609.8	1608.3
24°	1581.7	1589.7	1581.7	1572.1	1566.1	1564.6
24.5°	1540.0	1546.6	1540.0	1529.7	1525.0	1524.2
25°	1500.6	1506.7	1500.6	1490.1	1486.3	1485.6
25.5°	1463.0	1468.5	1463.0	1453.0	1449.0	1448.5
26°	1427.1	1432.7	1427.1	1417.1	1413.3	1412.8
26.5°	1391.8	1397.3	1391.8	1382.2	1378.7	1378.0
27°	1358.4	1364.7	1358.4	1349.1	1346.1	1345.4
27.5°	1326.3	1332.3	1326.3	1317.8	1315.0	1314.5
28°	1295.7	1301.2	1295.7	1287.9	1284.9	1284.7
28.5°	1265.8	1271.6	1265.8	1258.8	1255.8	1255.8
29°	1237.2	1242.5	1237.2	1230.2	1227.7	1228.0
29.5°	1209.1	1214.4	1209.1	1203.1	1200.1	1200.1
30°	1182.6	1188.1	1182.6	1176.8	1173.8	1173.8
30.5°	1156.7	1162.0	1156.7	1151.2	1148.4	1148.4
31°	1132.4	1137.7	1132.4	1127.4	1124.1	1124.4
31.5°	1108.0	1113.3	1108.0	1103.5	1100.8	1101.3
32°	1085.0	1088.7	1085.0	1081.2	1078.7	1079.2
32.5°	1060.9	1063.4	1060.9	1057.9	1056.9	1057.1
33°	1035.8	1038.1	1035.8	1033.5	1033.5	1034.3
33.5°	1010.0	1013.2	1010.0	1009.0	1008.7	1010.0
34°	982.1	985.6	982.1	982.9	982.9	984.1
34.5°	955.3	958.3	955.3	956.3	955.8	957.3
35°	928.4	929.9	928.4	928.4	928.7	929.2
35.5°	901.1	901.1	901.1	899.6	899.8	900.6
36°	872.7	871.5	872.7	871.0	871.0	871.2
36.5°	844.1	842.1	844.1	841.6	841.6	840.6
37°	814.5	812.0	814.5	812.3	811.3	809.8
37.5°	784.2	782.2	784.2	783.7	780.4	779.4
38°	752.6	752.3	752.6	753.1	749.1	748.8
38.5°	720.7	721.7	720.7	722.0	717.2	717.7
39°	688.6	691.4	688.6	690.9	685.6	685.1
39.5°	657.0	660.0	657.0	659.5	653.5	652.0
40°	625.6	628.7	625.6	627.9	621.6	618.9
40.5°	595.3	597.3	595.3	595.8	590.0	587.3
41°	564.7	565.9	564.7	563.7	558.7	556.2
41.5°	534.8	535.3	534.8	531.6	527.8	525.6
42°	504.7	505.2	504.7	500.0	497.0	495.2
42.5°	475.1	476.4	475.1	468.9	466.9	465.6
43°	445.3	447.5	445.3	438.3	436.7	435.7
43.5°	415.7	418.9	415.7	408.7	406.6	406.4



TEST NUMBER: P776052

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRC-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	332.1	336.2	332.1	324.6	321.1	320.3
45.5°	306.0	309.6	306.0	298.3	294.8	293.8
46°	280.0	284.0	280.0	272.7	268.9	268.7
46.5°	254.4	259.4	254.4	247.6	244.3	243.8
47°	230.5	235.6	230.5	224.0	220.3	219.8
47.5°	207.5	213.5	207.5	201.9	197.4	195.9
48°	186.1	191.4	186.1	180.6	175.4	174.3
48.5°	166.1	171.6	166.1	160.3	154.5	153.5
49°	147.0	153.5	147.0	141.2	135.2	134.2
49.5°	129.2	135.7	129.2	123.4	117.9	115.9
50°	112.4	117.9	112.4	107.1	101.3	99.1
50.5°	96.6	100.1	96.6	92.1	87.0	83.5
51°	81.8	83.8	81.8	78.0	73.5	70.0
51.5°	68.7	70.2	68.7	64.7	61.5	59.0
52°	57.2	57.9	57.2	53.7	51.2	48.9
52.5°	47.2	46.7	47.2	44.2	41.1	40.1
53°	37.6	37.1	37.6	35.1	33.1	31.4
53.5°	28.8	28.6	28.8	27.1	25.1	22.6
54°	21.8	23.6	21.8	19.6	17.3	16.3
54.5°	15.6	18.6	15.6	14.0	11.5	10.3
55°	10.8	13.5	10.8	9.5	7.3	6.3
55.5°	6.8	8.8	6.8	5.5	4.5	4.5
56°	4.3	4.5	4.3	3.5	3.0	3.3
56.5°	3.3	2.5	3.3	2.5	2.0	2.3
57°	2.3	1.5	2.3	1.8	1.8	1.3
57.5°	1.8	1.3	1.8	1.3	1.3	1.3
58°	1.3	1.3	1.3	1.3	1.3	1.3
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°	0.8	0.8	0.8	0.8	0.8	0.8
61°	0.8	0.8	0.8	0.8	0.8	0.8
61.5°	0.8	0.8	0.8	0.8	0.8	0.8
62°	0.8	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8	0.8
63°	0.8	0.8	0.8	0.8	0.8	0.8
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: P776052

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.5	0.3	0.5	0.5	0.5	0.5
68°	0.3	0.3	0.3	0.3	0.3	0.3
68.5°	0.3	0.3	0.3	0.3	0.3	0.3
69°	0.3	0.3	0.3	0.3	0.3	0.3
69.5°	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3
70.5°	0.3	0.3	0.3	0.3	0.3	0.3
71°	0.3	0.3	0.3	0.3	0.3	0.3
71.5°	0.3	0.3	0.3	0.3	0.3	0.3
72°	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3
73°	0.3	0.3	0.3	0.3	0.3	0.3
73.5°	0.3	0.3	0.3	0.3	0.3	0.3
74°	0.3	0.3	0.3	0.3	0.3	0.3
74.5°	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3
75.5°	0.3	0.3	0.3	0.3	0.3	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: P776052

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-3500K

**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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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°	1812.7	1820.0	1830.8	1837.3	1839.3	1837.3	1830.8	1820.0	1812.7	1820.0	1830.8
22°	1757.0	1761.0	1771.8	1780.6	1786.6	1780.6	1771.8	1761.0	1757.0	1761.0	1771.8



44°	376.5	377.3	379.6	386.6	390.8	386.6	379.6	377.3	376.5	377.3	379.6
44.5°	348.2	348.9	351.2	359.2	363.2	359.2	351.2	348.9	348.2	348.9	351.2



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°	0.5	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°	1837.3	1839.3	1837.3	1830.8	1820.0	1812.7
22°	1780.6	1786.6	1780.6	1771.8	1761.0	1757.0



44°	386.6	390.8	386.6	379.6	377.3	376.5
44.5°	359.2	363.2	359.2	351.2	348.9	348.2

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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)