

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: P776050

Luminaire Tested: HCDJBS1525CSD-HCD62TRC-2500lm-2700K

Issue Date: 2/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P776050
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-2700K
Description: 6 INCH ROUND NARROW SPECULAR CLEAR TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

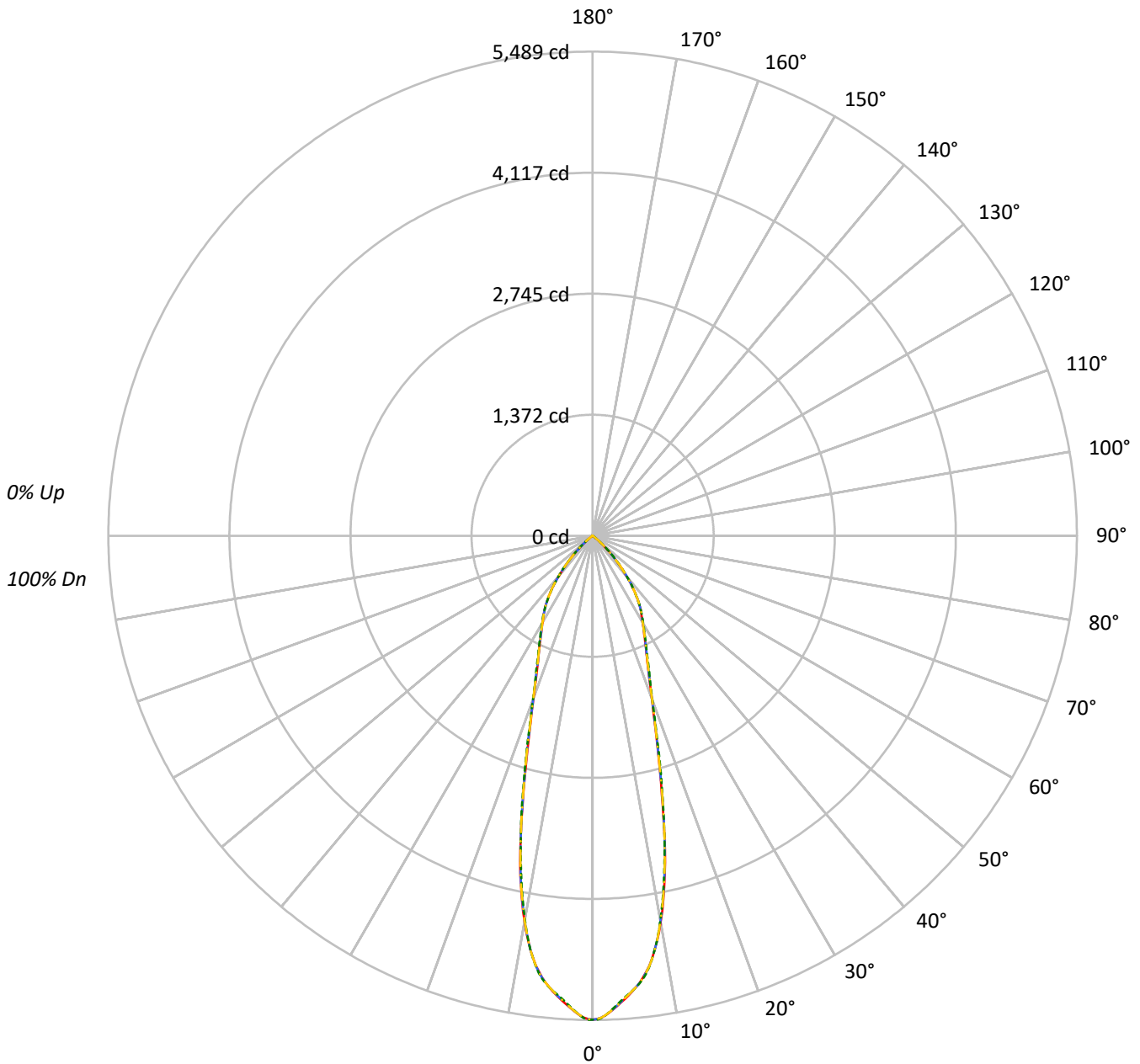
Lumens per Lamp: N/A
Luminaire Lumens: 2808.0 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.54 / 0.57
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 25
Input Voltage (V): NR
Input Current (A_{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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	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°	300727	300727	300727	300727
5°	285235	284916	285235	284916
10°	247390	245971	247390	245971
15°	172072	174099	172072	174099
20°	114197	115411	114197	115411
25°	86799	88033	86799	88033
30°	71771	72644	71771	72644
35°	60070	60117	60070	60117
40°	42780	43460	42780	43460
45°	23987	25173	23987	25173
50°	8162	9714	8162	9714
55°	583	1252	583	1252
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: 25173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.1	16.8
10°-20°	841.9	30.0
20°-30°	672.3	23.9
30°-40°	550.3	19.6
40°-50°	248.5	8.9
50°-60°	21.3	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°	1987.3	70.8
0°-40°	2537.6	90.4
0°-60°	2807.4	100.0
0°-90°	2808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2808.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5486	5486	5486	5486	5486	
5°	5183	5178	5183	5178	5183	473
15°	3032	3068	3032	3068	3032	840
25°	1435	1455	1435	1455	1435	669
35°	898	898	898	898	898	549
45°	309	325	309	325	309	244
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7
0.5°	5479.2	5479.2	5479.2	5480.1	5488.6	5480.1	5479.2	5479.2	5479.2	5479.2	5479.2
1°	5464.6	5464.6	5463.9	5464.1	5469.9	5464.1	5463.9	5464.6	5464.6	5464.6	5463.9
1.5°	5440.9	5440.6	5438.7	5437.5	5441.1	5437.5	5438.7	5440.6	5440.9	5440.6	5438.7
2°	5410.8	5409.4	5406.7	5403.8	5404.3	5403.8	5406.7	5409.4	5410.8	5409.4	5406.7
2.5°	5375.0	5374.0	5370.1	5365.3	5363.8	5365.3	5370.1	5374.0	5375.0	5374.0	5370.1
3°	5337.2	5335.9	5331.6	5325.0	5322.4	5325.0	5331.6	5335.9	5337.2	5335.9	5331.6
3.5°	5299.3	5297.7	5292.6	5286.0	5282.6	5286.0	5292.6	5297.7	5299.3	5297.7	5292.6
4°	5261.8	5259.1	5254.3	5249.2	5245.8	5249.2	5254.3	5259.1	5261.8	5259.1	5254.3
4.5°	5223.0	5220.6	5217.0	5213.6	5210.9	5213.6	5217.0	5220.6	5223.0	5220.6	5217.0
5°	5183.3	5181.6	5179.4	5177.9	5177.5	5177.9	5179.4	5181.6	5183.3	5181.6	5179.4
5.5°	5140.4	5139.4	5139.4	5140.4	5142.3	5140.4	5139.4	5139.4	5140.4	5139.4	5139.4
6°	5093.9	5093.9	5095.3	5099.2	5101.4	5099.2	5095.3	5093.9	5093.9	5093.9	5095.3
6.5°	5042.0	5043.2	5046.1	5050.2	5053.1	5050.2	5046.1	5043.2	5042.0	5043.2	5046.1
7°	4983.1	4985.5	4988.2	4992.6	4996.0	4992.6	4988.2	4985.5	4983.1	4985.5	4988.2
7.5°	4916.5	4917.4	4920.8	4924.0	4925.9	4924.0	4920.8	4917.4	4916.5	4917.4	4920.8
8°	4840.4	4840.9	4842.8	4844.8	4845.7	4844.8	4842.8	4840.9	4840.4	4840.9	4842.8
8.5°	4753.4	4753.4	4753.6	4753.2	4751.5	4753.2	4753.6	4753.4	4753.4	4753.4	4753.6
9°	4658.2	4657.9	4655.7	4652.3	4650.9	4652.3	4655.7	4657.9	4658.2	4657.9	4655.7
9.5°	4554.4	4553.7	4548.1	4543.3	4539.4	4543.3	4548.1	4553.7	4554.4	4553.7	4548.1
10°	4444.2	4441.8	4433.8	4424.8	4418.7	4424.8	4433.8	4441.8	4444.2	4441.8	4433.8
10.5°	4326.9	4321.8	4312.9	4301.9	4293.2	4301.9	4312.9	4321.8	4326.9	4321.8	4312.9
11°	4201.6	4197.3	4185.6	4176.7	4168.7	4176.7	4185.6	4197.3	4201.6	4197.3	4185.6
11.5°	4071.7	4067.9	4057.9	4044.8	4038.5	4044.8	4057.9	4067.9	4071.7	4067.9	4057.9
12°	3937.3	3934.1	3922.0	3909.9	3901.6	3909.9	3922.0	3934.1	3937.3	3934.1	3922.0
12.5°	3796.0	3790.6	3781.0	3769.3	3762.1	3769.3	3781.0	3790.6	3796.0	3790.6	3781.0
13°	3648.2	3645.5	3636.5	3629.7	3625.4	3629.7	3636.5	3645.5	3648.2	3645.5	3636.5
13.5°	3489.7	3491.6	3489.4	3487.0	3484.8	3487.0	3489.4	3491.6	3489.7	3491.6	3489.4
14°	3333.1	3336.5	3339.2	3342.6	3345.3	3342.6	3339.2	3336.5	3333.1	3336.5	3339.2
14.5°	3178.1	3183.4	3192.4	3201.1	3207.4	3201.1	3192.4	3183.4	3178.1	3183.4	3192.4
15°	3031.9	3036.3	3048.4	3059.8	3067.6	3059.8	3048.4	3036.3	3031.9	3036.3	3048.4
15.5°	2893.8	2899.6	2910.3	2922.9	2932.3	2922.9	2910.3	2899.6	2893.8	2899.6	2910.3
16°	2765.6	2769.3	2778.7	2793.7	2804.6	2793.7	2778.7	2769.3	2765.6	2769.3	2778.7
16.5°	2642.8	2645.7	2657.1	2670.6	2681.1	2670.6	2657.1	2645.7	2642.8	2645.7	2657.1
17°	2525.2	2528.4	2538.6	2552.1	2563.0	2552.1	2538.6	2528.4	2525.2	2528.4	2538.6
17.5°	2413.8	2416.9	2426.9	2438.0	2447.7	2438.0	2426.9	2416.9	2413.8	2416.9	2426.9
18°	2309.8	2312.5	2319.3	2329.9	2339.6	2329.9	2319.3	2312.5	2309.8	2312.5	2319.3
18.5°	2212.4	2213.1	2219.9	2233.0	2235.9	2233.0	2219.9	2213.1	2212.4	2213.1	2219.9
19°	2118.9	2120.8	2130.7	2143.1	2143.6	2143.1	2130.7	2120.8	2118.9	2120.8	2130.7
19.5°	2032.4	2037.7	2046.7	2057.3	2058.3	2057.3	2046.7	2037.7	2032.4	2037.7	2046.7
20°	1957.5	1958.7	1966.2	1977.1	1978.3	1977.1	1966.2	1958.7	1957.5	1958.7	1966.2
20.5°	1885.8	1887.7	1891.6	1901.3	1903.7	1901.3	1891.6	1887.7	1885.8	1887.7	1891.6
21°	1816.4	1819.6	1828.3	1834.1	1837.5	1834.1	1828.3	1819.6	1816.4	1819.6	1828.3



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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°	1645.4	1647.3	1658.0	1667.7	1676.9	1667.7	1658.0	1647.3	1645.4	1647.3	1658.0
23°	1598.1	1600.1	1606.8	1618.5	1628.9	1618.5	1606.8	1600.1	1598.1	1600.1	1606.8
23.5°	1553.5	1555.0	1561.5	1570.2	1581.9	1570.2	1561.5	1555.0	1553.5	1555.0	1561.5
24°	1511.4	1512.8	1518.6	1527.8	1535.6	1527.8	1518.6	1512.8	1511.4	1512.8	1518.6
24.5°	1472.4	1473.1	1477.7	1487.6	1493.9	1487.6	1477.7	1473.1	1472.4	1473.1	1477.7
25°	1435.0	1435.8	1439.4	1449.6	1455.4	1449.6	1439.4	1435.8	1435.0	1435.8	1439.4
25.5°	1399.2	1399.7	1403.5	1413.2	1418.6	1413.2	1403.5	1399.7	1399.2	1399.7	1403.5
26°	1364.8	1365.2	1368.9	1378.6	1383.9	1378.6	1368.9	1365.2	1364.8	1365.2	1368.9
26.5°	1331.1	1331.8	1335.2	1344.4	1349.7	1344.4	1335.2	1331.8	1331.1	1331.8	1335.2
27°	1299.6	1300.3	1303.2	1312.2	1318.2	1312.2	1303.2	1300.3	1299.6	1300.3	1303.2
27.5°	1269.8	1270.3	1272.9	1281.2	1287.0	1281.2	1272.9	1270.3	1269.8	1270.3	1272.9
28°	1240.9	1241.2	1244.1	1251.6	1256.9	1251.6	1244.1	1241.2	1240.9	1241.2	1244.1
28.5°	1213.1	1213.1	1216.0	1222.8	1228.3	1222.8	1216.0	1213.1	1213.1	1213.1	1216.0
29°	1186.2	1185.9	1188.3	1195.1	1200.2	1195.1	1188.3	1185.9	1186.2	1185.9	1188.3
29.5°	1159.3	1159.3	1162.2	1168.0	1173.1	1168.0	1162.2	1159.3	1159.3	1159.3	1162.2
30°	1133.8	1133.8	1136.7	1142.3	1147.6	1142.3	1136.7	1133.8	1133.8	1133.8	1136.7
30.5°	1109.4	1109.4	1112.0	1117.3	1122.4	1117.3	1112.0	1109.4	1109.4	1109.4	1112.0
31°	1086.1	1085.8	1089.0	1093.8	1098.9	1093.8	1089.0	1085.8	1086.1	1085.8	1089.0
31.5°	1063.8	1063.3	1066.0	1070.3	1075.4	1070.3	1066.0	1063.3	1063.8	1063.3	1066.0
32°	1042.5	1042.0	1044.4	1048.0	1051.7	1048.0	1044.4	1042.0	1042.5	1042.0	1044.4
32.5°	1021.1	1020.9	1021.9	1024.8	1027.2	1024.8	1021.9	1020.9	1021.1	1020.9	1021.9
33°	999.1	998.4	998.4	1000.5	1002.7	1000.5	998.4	998.4	999.1	998.4	998.4
33.5°	975.6	974.4	974.6	975.6	978.7	975.6	974.6	974.4	975.6	974.4	974.6
34°	950.6	949.4	949.4	948.7	952.1	948.7	949.4	949.4	950.6	949.4	949.4
34.5°	924.7	923.2	923.7	922.8	925.7	922.8	923.7	923.2	924.7	923.2	923.7
35°	897.6	897.1	896.8	896.8	898.3	896.8	896.8	897.1	897.6	897.1	896.8
35.5°	869.9	869.2	869.0	870.4	870.4	870.4	869.0	869.2	869.9	869.2	869.0
36°	841.6	841.3	841.3	843.0	841.8	843.0	841.3	841.3	841.6	841.3	841.3
36.5°	812.0	813.0	813.0	815.4	813.5	815.4	813.0	813.0	812.0	813.0	813.0
37°	782.2	783.7	784.6	786.8	784.4	786.8	784.6	783.7	782.2	783.7	784.6
37.5°	752.9	753.9	757.0	757.5	755.6	757.5	757.0	753.9	752.9	753.9	757.0
38°	723.3	723.6	727.5	727.0	726.7	727.0	727.5	723.6	723.3	723.6	727.5
38.5°	693.3	692.8	697.4	696.2	697.2	696.2	697.4	692.8	693.3	692.8	697.4
39°	661.8	662.3	667.4	665.2	667.8	665.2	667.4	662.3	661.8	662.3	667.4
39.5°	629.8	631.2	637.1	634.6	637.6	634.6	637.1	631.2	629.8	631.2	637.1
40°	597.8	600.5	606.5	604.4	607.3	604.4	606.5	600.5	597.8	600.5	606.5
40.5°	567.3	569.9	575.5	575.0	577.0	575.0	575.5	569.9	567.3	569.9	575.5
41°	537.2	539.7	544.5	545.5	546.7	545.5	544.5	539.7	537.2	539.7	544.5
41.5°	507.7	509.8	513.5	516.6	517.1	516.6	513.5	509.8	507.7	509.8	513.5
42°	478.3	480.0	482.9	487.6	488.0	487.6	482.9	480.0	478.3	480.0	482.9
42.5°	449.8	451.0	452.9	459.0	460.2	459.0	452.9	451.0	449.8	451.0	452.9
43°	420.9	421.9	423.3	430.1	432.3	430.1	423.3	421.9	420.9	421.9	423.3
43.5°	392.6	392.8	394.7	401.5	404.7	401.5	394.7	392.8	392.6	392.8	394.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	309.4	310.2	313.6	320.8	324.7	320.8	313.6	310.2	309.4	310.2	313.6
45.5°	283.8	284.7	288.1	295.6	299.0	295.6	288.1	284.7	283.8	284.7	288.1
46°	259.5	259.8	263.4	270.4	274.3	270.4	263.4	259.8	259.5	259.8	263.4
46.5°	235.5	236.0	239.2	245.7	250.6	245.7	239.2	236.0	235.5	236.0	239.2
47°	212.3	212.8	216.4	222.7	227.5	222.7	216.4	212.8	212.3	212.8	216.4
47.5°	189.3	190.7	195.1	200.4	206.2	200.4	195.1	190.7	189.3	190.7	195.1
48°	168.4	169.4	174.5	179.8	184.9	179.8	174.5	169.4	168.4	169.4	174.5
48.5°	148.3	149.3	154.8	160.4	165.7	160.4	154.8	149.3	148.3	149.3	154.8
49°	129.6	130.6	136.4	142.0	148.3	142.0	136.4	130.6	129.6	130.6	136.4
49.5°	112.0	113.9	119.2	124.8	131.1	124.8	119.2	113.9	112.0	113.9	119.2
50°	95.7	97.9	103.5	108.6	113.9	108.6	103.5	97.9	95.7	97.9	103.5
50.5°	80.7	84.1	88.9	93.3	96.7	93.3	88.9	84.1	80.7	84.1	88.9
51°	67.6	71.0	75.4	79.0	80.9	79.0	75.4	71.0	67.6	71.0	75.4
51.5°	56.9	59.4	62.5	66.4	67.9	66.4	62.5	59.4	56.9	59.4	62.5
52°	47.3	49.4	51.9	55.2	56.0	55.2	51.9	49.4	47.3	49.4	51.9
52.5°	38.8	39.7	42.6	45.6	45.1	45.6	42.6	39.7	38.8	39.7	42.6
53°	30.3	32.0	33.9	36.3	35.9	36.3	33.9	32.0	30.3	32.0	33.9
53.5°	21.8	24.2	26.2	27.9	27.6	27.9	26.2	24.2	21.8	24.2	26.2
54°	15.8	16.7	18.9	21.1	22.8	21.1	18.9	16.7	15.8	16.7	18.9
54.5°	9.9	11.1	13.6	15.0	17.9	15.0	13.6	11.1	9.9	11.1	13.6
55°	6.1	7.0	9.2	10.4	13.1	10.4	9.2	7.0	6.1	7.0	9.2
55.5°	4.4	4.4	5.3	6.5	8.5	6.5	5.3	4.4	4.4	4.4	5.3
56°	3.2	2.9	3.4	4.1	4.4	4.1	3.4	2.9	3.2	2.9	3.4
56.5°	2.2	1.9	2.4	3.2	2.4	3.2	2.4	1.9	2.2	1.9	2.4
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: P776050

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-2700K

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: P776050
CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-2700K

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: P776050

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	5485.7	5485.7	5485.7	5485.7	5485.7	5485.7
0.5°	5480.1	5488.6	5480.1	5479.2	5479.2	5479.2
1°	5464.1	5469.9	5464.1	5463.9	5464.6	5464.6
1.5°	5437.5	5441.1	5437.5	5438.7	5440.6	5440.9
2°	5403.8	5404.3	5403.8	5406.7	5409.4	5410.8
2.5°	5365.3	5363.8	5365.3	5370.1	5374.0	5375.0
3°	5325.0	5322.4	5325.0	5331.6	5335.9	5337.2
3.5°	5286.0	5282.6	5286.0	5292.6	5297.7	5299.3
4°	5249.2	5245.8	5249.2	5254.3	5259.1	5261.8
4.5°	5213.6	5210.9	5213.6	5217.0	5220.6	5223.0
5°	5177.9	5177.5	5177.9	5179.4	5181.6	5183.3
5.5°	5140.4	5142.3	5140.4	5139.4	5139.4	5140.4
6°	5099.2	5101.4	5099.2	5095.3	5093.9	5093.9
6.5°	5050.2	5053.1	5050.2	5046.1	5043.2	5042.0
7°	4992.6	4996.0	4992.6	4988.2	4985.5	4983.1
7.5°	4924.0	4925.9	4924.0	4920.8	4917.4	4916.5
8°	4844.8	4845.7	4844.8	4842.8	4840.9	4840.4
8.5°	4753.2	4751.5	4753.2	4753.6	4753.4	4753.4
9°	4652.3	4650.9	4652.3	4655.7	4657.9	4658.2
9.5°	4543.3	4539.4	4543.3	4548.1	4553.7	4554.4
10°	4424.8	4418.7	4424.8	4433.8	4441.8	4444.2
10.5°	4301.9	4293.2	4301.9	4312.9	4321.8	4326.9
11°	4176.7	4168.7	4176.7	4185.6	4197.3	4201.6
11.5°	4044.8	4038.5	4044.8	4057.9	4067.9	4071.7
12°	3909.9	3901.6	3909.9	3922.0	3934.1	3937.3
12.5°	3769.3	3762.1	3769.3	3781.0	3790.6	3796.0
13°	3629.7	3625.4	3629.7	3636.5	3645.5	3648.2
13.5°	3487.0	3484.8	3487.0	3489.4	3491.6	3489.7
14°	3342.6	3345.3	3342.6	3339.2	3336.5	3333.1
14.5°	3201.1	3207.4	3201.1	3192.4	3183.4	3178.1
15°	3059.8	3067.6	3059.8	3048.4	3036.3	3031.9
15.5°	2922.9	2932.3	2922.9	2910.3	2899.6	2893.8
16°	2793.7	2804.6	2793.7	2778.7	2769.3	2765.6
16.5°	2670.6	2681.1	2670.6	2657.1	2645.7	2642.8
17°	2552.1	2563.0	2552.1	2538.6	2528.4	2525.2
17.5°	2438.0	2447.7	2438.0	2426.9	2416.9	2413.8
18°	2329.9	2339.6	2329.9	2319.3	2312.5	2309.8
18.5°	2233.0	2235.9	2233.0	2219.9	2213.1	2212.4
19°	2143.1	2143.6	2143.1	2130.7	2120.8	2118.9
19.5°	2057.3	2058.3	2057.3	2046.7	2037.7	2032.4
20°	1977.1	1978.3	1977.1	1966.2	1958.7	1957.5
20.5°	1901.3	1903.7	1901.3	1891.6	1887.7	1885.8
21°	1834.1	1837.5	1834.1	1828.3	1819.6	1816.4

TEST NUMBER: P776050

CATALOG NUMBER: HCDJBLS1525CSD-HCD62TRC-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1667.7	1676.9	1667.7	1658.0	1647.3	1645.4
23°	1618.5	1628.9	1618.5	1606.8	1600.1	1598.1
23.5°	1570.2	1581.9	1570.2	1561.5	1555.0	1553.5
24°	1527.8	1535.6	1527.8	1518.6	1512.8	1511.4
24.5°	1487.6	1493.9	1487.6	1477.7	1473.1	1472.4
25°	1449.6	1455.4	1449.6	1439.4	1435.8	1435.0
25.5°	1413.2	1418.6	1413.2	1403.5	1399.7	1399.2
26°	1378.6	1383.9	1378.6	1368.9	1365.2	1364.8
26.5°	1344.4	1349.7	1344.4	1335.2	1331.8	1331.1
27°	1312.2	1318.2	1312.2	1303.2	1300.3	1299.6
27.5°	1281.2	1287.0	1281.2	1272.9	1270.3	1269.8
28°	1251.6	1256.9	1251.6	1244.1	1241.2	1240.9
28.5°	1222.8	1228.3	1222.8	1216.0	1213.1	1213.1
29°	1195.1	1200.2	1195.1	1188.3	1185.9	1186.2
29.5°	1168.0	1173.1	1168.0	1162.2	1159.3	1159.3
30°	1142.3	1147.6	1142.3	1136.7	1133.8	1133.8
30.5°	1117.3	1122.4	1117.3	1112.0	1109.4	1109.4
31°	1093.8	1098.9	1093.8	1089.0	1085.8	1086.1
31.5°	1070.3	1075.4	1070.3	1066.0	1063.3	1063.8
32°	1048.0	1051.7	1048.0	1044.4	1042.0	1042.5
32.5°	1024.8	1027.2	1024.8	1021.9	1020.9	1021.1
33°	1000.5	1002.7	1000.5	998.4	998.4	999.1
33.5°	975.6	978.7	975.6	974.6	974.4	975.6
34°	948.7	952.1	948.7	949.4	949.4	950.6
34.5°	922.8	925.7	922.8	923.7	923.2	924.7
35°	896.8	898.3	896.8	896.8	897.1	897.6
35.5°	870.4	870.4	870.4	869.0	869.2	869.9
36°	843.0	841.8	843.0	841.3	841.3	841.6
36.5°	815.4	813.5	815.4	813.0	813.0	812.0
37°	786.8	784.4	786.8	784.6	783.7	782.2
37.5°	757.5	755.6	757.5	757.0	753.9	752.9
38°	727.0	726.7	727.0	727.5	723.6	723.3
38.5°	696.2	697.2	696.2	697.4	692.8	693.3
39°	665.2	667.8	665.2	667.4	662.3	661.8
39.5°	634.6	637.6	634.6	637.1	631.2	629.8
40°	604.4	607.3	604.4	606.5	600.5	597.8
40.5°	575.0	577.0	575.0	575.5	569.9	567.3
41°	545.5	546.7	545.5	544.5	539.7	537.2
41.5°	516.6	517.1	516.6	513.5	509.8	507.7
42°	487.6	488.0	487.6	482.9	480.0	478.3
42.5°	459.0	460.2	459.0	452.9	451.0	449.8
43°	430.1	432.3	430.1	423.3	421.9	420.9
43.5°	401.5	404.7	401.5	394.7	392.8	392.6



TEST NUMBER: P776050

CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	320.8	324.7	320.8	313.6	310.2	309.4
45.5°	295.6	299.0	295.6	288.1	284.7	283.8
46°	270.4	274.3	270.4	263.4	259.8	259.5
46.5°	245.7	250.6	245.7	239.2	236.0	235.5
47°	222.7	227.5	222.7	216.4	212.8	212.3
47.5°	200.4	206.2	200.4	195.1	190.7	189.3
48°	179.8	184.9	179.8	174.5	169.4	168.4
48.5°	160.4	165.7	160.4	154.8	149.3	148.3
49°	142.0	148.3	142.0	136.4	130.6	129.6
49.5°	124.8	131.1	124.8	119.2	113.9	112.0
50°	108.6	113.9	108.6	103.5	97.9	95.7
50.5°	93.3	96.7	93.3	88.9	84.1	80.7
51°	79.0	80.9	79.0	75.4	71.0	67.6
51.5°	66.4	67.9	66.4	62.5	59.4	56.9
52°	55.2	56.0	55.2	51.9	49.4	47.3
52.5°	45.6	45.1	45.6	42.6	39.7	38.8
53°	36.3	35.9	36.3	33.9	32.0	30.3
53.5°	27.9	27.6	27.9	26.2	24.2	21.8
54°	21.1	22.8	21.1	18.9	16.7	15.8
54.5°	15.0	17.9	15.0	13.6	11.1	9.9
55°	10.4	13.1	10.4	9.2	7.0	6.1
55.5°	6.5	8.5	6.5	5.3	4.4	4.4
56°	4.1	4.4	4.1	3.4	2.9	3.2
56.5°	3.2	2.4	3.2	2.4	1.9	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: P776050
 CATALOG NUMBER: HCDJBL51525CSD-HCD62TRC-2500lm-2700K

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: P776050
CATALOG NUMBER: HCDJBL1525CSD-HCD62TRC-2500lm-2700K

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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Scaled Data Report





21.5°	1751.0	1758.0	1768.5	1774.8	1776.7	1774.8	1768.5	1758.0	1751.0	1758.0	1768.5
22°	1697.2	1701.1	1711.5	1720.0	1725.8	1720.0	1711.5	1701.1	1697.2	1701.1	1711.5



44°	363.7	364.5	366.6	373.4	377.5	373.4	366.6	364.5	363.7	364.5	366.6
44.5°	336.3	337.1	339.3	347.0	350.9	347.0	339.3	337.1	336.3	337.1	339.3



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°	1774.8	1776.7	1774.8	1768.5	1758.0	1751.0
22°	1720.0	1725.8	1720.0	1711.5	1701.1	1697.2



44°	373.4	377.5	373.4	366.6	364.5	363.7
44.5°	347.0	350.9	347.0	339.3	337.1	336.3

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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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(END OF REPORT)