

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: P776115

Luminaire Tested: HCDJBS1525CSD-HCD6TSQMB-2500lm-2700K

Issue Date: 2/7/2024

Test Information

Test Method: LM-79-2019
Report Number: P776115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2312156B015-HCD6TSQMB)
Test Lab:
Issue Date: 2/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO COMMERCIAL
Catalog Number: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K
Description: 6 INCH SQUARE MEDIUM MATTE BLACK TRIM
Light Source: SELECTABLE LUMENS AND CCT ARRAY 90CRI / 2700K CCT
Ballast/Driver: -

Summary

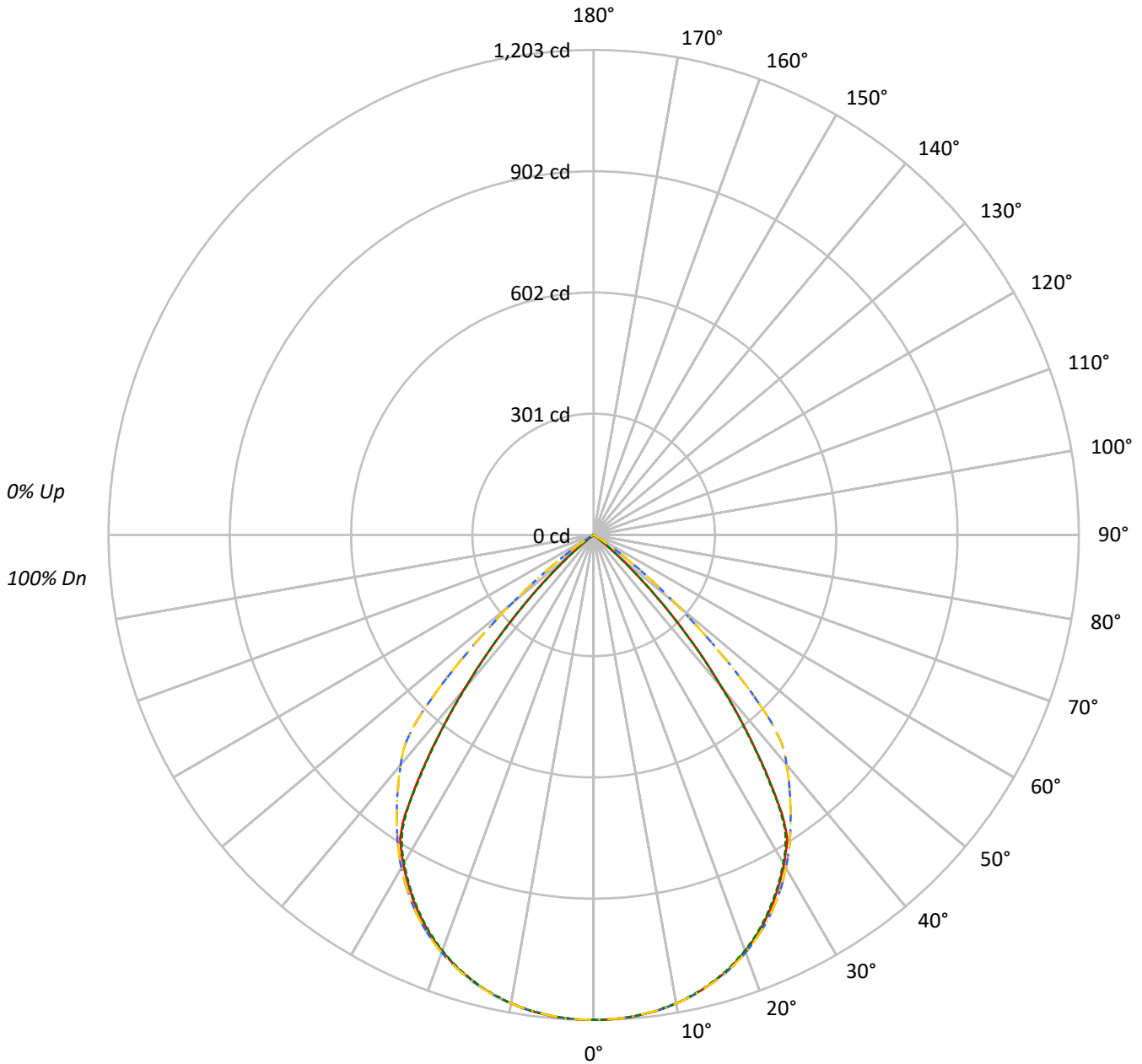
Lumens per Lamp: N/A
Luminaire Lumens: 1735.6 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.23
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

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				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70			70
5	88	79	72	67	87	78	72	67	76	71	66	74	70	66	73	69	65	64			64
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58			58
7	78	68	61	56	77	67	60	56	66	60	56	64	59	55	63	58	55	53			53
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49			49
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45			45
10	65	55	48	44	64	54	48	44	53	47	43	52	47	43	52	47	43	42			42

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51792	51792	51792	51792
5°	51769	51747	51769	51747
10°	51594	51559	51594	51559
15°	51154	51109	51154	51109
20°	50341	50272	50341	50272
25°	48960	48832	48960	48832
30°	46897	46753	46897	46753
35°	41050	40782	41050	40782
40°	28030	27850	28030	27850
45°	14589	14607	14589	14607
50°	4253	4207	4253	4207
55°	128	165	128	165
60°	43	43	43	43
65°	20	20	20	20
70°	25	25	25	25
75°	0	33	0	33
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 33745 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	6.6
10°-20°	323.5	18.6
20°-30°	474.8	27.4
30°-40°	503.8	29.0
40°-50°	281.3	16.2
50°-60°	38.0	2.2
60°-70°	0.4	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°	912.0	52.5
0°-40°	1415.8	81.6
0°-60°	1735.1	100.0
0°-90°	1735.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1735.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1203	1203	1203	1203	1203	
5°	1198	1197	1198	1197	1198	114
15°	1148	1147	1148	1147	1148	323
25°	1031	1028	1031	1028	1031	473
35°	781	776	781	776	781	472
45°	240	240	240	240	240	191
55°	2	2	2	2	2	11
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°	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9
0.5°	1203.3	1202.9	1202.9	1202.6	1202.9	1202.6	1202.9	1202.9	1203.3	1202.9	1202.9
1°	1203.1	1202.9	1202.6	1202.6	1202.9	1202.6	1202.6	1202.9	1203.1	1202.9	1202.6
1.5°	1202.9	1202.4	1202.4	1202.4	1202.4	1202.4	1202.4	1202.4	1202.9	1202.4	1202.4
2°	1202.4	1202.1	1201.9	1201.9	1202.1	1201.9	1201.9	1202.1	1202.4	1202.1	1201.9
2.5°	1201.9	1201.6	1201.4	1201.4	1201.6	1201.4	1201.4	1201.6	1201.9	1201.6	1201.4
3°	1201.4	1200.9	1200.9	1200.9	1200.9	1200.9	1200.9	1200.9	1201.4	1200.9	1200.9
3.5°	1200.7	1200.4	1200.2	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7	1200.4	1200.2
4°	1199.9	1199.5	1199.2	1199.2	1199.5	1199.2	1199.2	1199.5	1199.9	1199.5	1199.2
4.5°	1199.0	1198.5	1198.5	1198.2	1198.5	1198.2	1198.5	1198.5	1199.0	1198.5	1198.5
5°	1197.8	1197.5	1197.3	1197.3	1197.3	1197.3	1197.3	1197.5	1197.8	1197.5	1197.3
5.5°	1196.6	1196.3	1196.1	1196.1	1196.1	1196.1	1196.1	1196.3	1196.6	1196.3	1196.1
6°	1195.3	1195.1	1194.9	1194.6	1194.9	1194.6	1194.9	1195.1	1195.3	1195.1	1194.9
6.5°	1193.9	1193.6	1193.4	1193.4	1193.4	1193.4	1193.4	1193.6	1193.9	1193.6	1193.4
7°	1192.4	1192.2	1191.9	1191.7	1191.7	1191.7	1191.9	1192.2	1192.4	1192.2	1191.9
7.5°	1190.7	1190.5	1190.2	1190.0	1190.0	1190.0	1190.2	1190.5	1190.7	1190.5	1190.2
8°	1188.8	1188.6	1188.6	1188.3	1188.3	1188.3	1188.6	1188.6	1188.8	1188.6	1188.6
8.5°	1186.9	1186.6	1186.6	1186.4	1186.1	1186.4	1186.6	1186.6	1186.9	1186.6	1186.6
9°	1184.7	1184.7	1184.4	1184.2	1183.9	1184.2	1184.4	1184.7	1184.7	1184.7	1184.4
9.5°	1182.5	1182.5	1182.3	1182.0	1181.8	1182.0	1182.3	1182.5	1182.5	1182.5	1182.3
10°	1180.1	1180.1	1180.1	1179.6	1179.3	1179.6	1180.1	1180.1	1180.1	1180.1	1180.1
10.5°	1177.6	1177.6	1177.6	1177.2	1176.9	1177.2	1177.6	1177.6	1177.6	1177.6	1177.6
11°	1174.7	1175.0	1175.0	1174.5	1174.0	1174.5	1175.0	1175.0	1174.7	1175.0	1175.0
11.5°	1172.1	1172.3	1172.3	1171.6	1171.1	1171.6	1172.3	1172.3	1172.1	1172.3	1172.3
12°	1169.2	1169.4	1169.4	1168.7	1168.2	1168.7	1169.4	1169.4	1169.2	1169.4	1169.4
12.5°	1166.0	1166.3	1166.5	1165.5	1165.0	1165.5	1166.5	1166.3	1166.0	1166.3	1166.5
13°	1162.6	1163.1	1163.4	1162.4	1161.7	1162.4	1163.4	1163.1	1162.6	1163.1	1163.4
13.5°	1159.2	1159.7	1160.0	1159.0	1158.3	1159.0	1160.0	1159.7	1159.2	1159.7	1160.0
14°	1155.4	1156.1	1156.6	1155.4	1154.6	1155.4	1156.6	1156.1	1155.4	1156.1	1156.6
14.5°	1151.7	1152.4	1152.9	1151.7	1150.8	1151.7	1152.9	1152.4	1151.7	1152.4	1152.9
15°	1147.6	1148.6	1149.1	1147.8	1146.6	1147.8	1149.1	1148.6	1147.6	1148.6	1149.1
15.5°	1143.7	1144.5	1145.2	1143.7	1142.5	1143.7	1145.2	1144.5	1143.7	1144.5	1145.2
16°	1139.4	1140.3	1141.1	1139.6	1138.2	1139.6	1141.1	1140.3	1139.4	1140.3	1141.1
16.5°	1135.0	1136.0	1136.7	1135.2	1133.8	1135.2	1136.7	1136.0	1135.0	1136.0	1136.7
17°	1130.2	1131.6	1132.3	1130.6	1128.9	1130.6	1132.3	1131.6	1130.2	1131.6	1132.3
17.5°	1125.6	1126.8	1127.7	1126.0	1124.1	1126.0	1127.7	1126.8	1125.6	1126.8	1127.7
18°	1120.5	1121.9	1122.9	1120.9	1119.0	1120.9	1122.9	1121.9	1120.5	1121.9	1122.9
18.5°	1115.4	1117.1	1118.0	1116.1	1113.9	1116.1	1118.0	1117.1	1115.4	1117.1	1118.0
19°	1110.0	1111.7	1113.0	1110.5	1108.3	1110.5	1113.0	1111.7	1110.0	1111.7	1113.0
19.5°	1104.5	1106.4	1107.6	1105.2	1103.0	1105.2	1107.6	1106.4	1104.5	1106.4	1107.6
20°	1098.7	1100.8	1102.3	1099.6	1097.2	1099.6	1102.3	1100.8	1098.7	1100.8	1102.3
20.5°	1092.8	1095.3	1096.7	1093.8	1091.1	1093.8	1096.7	1095.3	1092.8	1095.3	1096.7
21°	1086.8	1089.2	1090.9	1088.0	1084.8	1088.0	1090.9	1089.2	1086.8	1089.2	1090.9



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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°	1067.2	1070.3	1072.2	1068.9	1065.0	1068.9	1072.2	1070.3	1067.2	1070.3	1072.2
23°	1060.4	1063.5	1065.7	1062.1	1057.9	1062.1	1065.7	1063.5	1060.4	1063.5	1065.7
23.5°	1053.3	1056.7	1059.2	1055.0	1050.7	1055.0	1059.2	1056.7	1053.3	1056.7	1059.2
24°	1045.8	1049.7	1052.1	1047.8	1043.4	1047.8	1052.1	1049.7	1045.8	1049.7	1052.1
24.5°	1038.3	1042.2	1045.1	1040.5	1035.9	1040.5	1045.1	1042.2	1038.3	1042.2	1045.1
25°	1030.6	1034.7	1037.6	1032.7	1027.9	1032.7	1037.6	1034.7	1030.6	1034.7	1037.6
25.5°	1022.8	1026.9	1030.3	1025.0	1019.9	1025.0	1030.3	1026.9	1022.8	1026.9	1030.3
26°	1014.8	1019.2	1022.6	1017.2	1011.7	1017.2	1022.6	1019.2	1014.8	1019.2	1022.6
26.5°	1006.6	1010.9	1014.6	1009.0	1003.4	1009.0	1014.6	1010.9	1006.6	1010.9	1014.6
27°	997.9	1002.9	1006.6	1000.8	994.9	1000.8	1006.6	1002.9	997.9	1002.9	1006.6
27.5°	989.1	994.5	998.3	992.0	986.5	992.0	998.3	994.5	989.1	994.5	998.3
28°	980.4	985.7	989.9	983.6	977.3	983.6	989.9	985.7	980.4	985.7	989.9
28.5°	971.4	977.0	981.1	974.8	968.3	974.8	981.1	977.0	971.4	977.0	981.1
29°	962.2	968.3	972.2	965.9	959.1	965.9	972.2	968.3	962.2	968.3	972.2
29.5°	953.0	959.1	963.2	956.9	949.9	956.9	963.2	959.1	953.0	959.1	963.2
30°	943.3	949.9	953.8	947.7	940.4	947.7	953.8	949.9	943.3	949.9	953.8
30.5°	933.9	940.7	944.3	938.5	930.7	938.5	944.3	940.7	933.9	940.7	944.3
31°	923.9	931.2	934.6	929.0	920.8	929.0	934.6	931.2	923.9	931.2	934.6
31.5°	914.0	921.8	924.7	919.3	910.6	919.3	924.7	921.8	914.0	921.8	924.7
32°	903.8	911.8	914.7	909.6	897.8	909.6	914.7	911.8	903.8	911.8	914.7
32.5°	893.2	901.9	904.6	899.7	884.7	899.7	904.6	901.9	893.2	901.9	904.6
33°	876.0	892.0	894.1	889.8	870.4	889.8	894.1	892.0	876.0	892.0	894.1
33.5°	857.3	882.0	883.7	879.6	851.0	879.6	883.7	882.0	857.3	882.0	883.7
34°	834.5	871.8	873.1	867.2	829.4	867.2	873.1	871.8	834.5	871.8	873.1
34.5°	808.1	860.9	862.4	853.7	803.8	853.7	862.4	860.9	808.1	860.9	862.4
35°	781.0	844.7	851.7	839.9	775.9	839.9	851.7	844.7	781.0	844.7	851.7
35.5°	753.8	828.7	841.1	822.4	747.8	822.4	841.1	828.7	753.8	828.7	841.1
36°	725.7	807.2	830.2	803.0	719.9	803.0	830.2	807.2	725.7	807.2	830.2
36.5°	697.4	784.4	819.5	779.5	692.5	779.5	819.5	784.4	697.4	784.4	819.5
37°	668.5	758.4	808.8	754.6	664.4	754.6	808.8	758.4	668.5	758.4	808.8
37.5°	640.7	732.5	797.9	728.2	636.8	728.2	797.9	732.5	640.7	732.5	797.9
38°	611.6	705.9	787.3	701.3	608.9	701.3	787.3	705.9	611.6	705.9	787.3
38.5°	583.5	679.2	776.4	674.8	580.8	674.8	776.4	679.2	583.5	679.2	776.4
39°	555.4	652.1	766.0	648.7	552.2	648.7	766.0	652.1	555.4	652.1	766.0
39.5°	527.3	625.4	755.3	622.5	523.9	622.5	755.3	625.4	527.3	625.4	755.3
40°	498.7	598.3	744.6	596.1	495.5	596.1	744.6	598.3	498.7	598.3	744.6
40.5°	470.8	571.6	734.0	569.4	467.9	569.4	734.0	571.6	470.8	571.6	734.0
41°	443.7	545.0	723.1	543.0	440.5	543.0	723.1	545.0	443.7	545.0	723.1
41.5°	416.5	518.3	711.0	516.1	414.4	516.1	711.0	518.3	416.5	518.3	711.0
42°	389.4	491.7	697.4	489.5	387.9	489.5	697.4	491.7	389.4	491.7	697.4
42.5°	363.5	465.5	679.7	463.1	361.8	463.1	679.7	465.5	363.5	465.5	679.7
43°	337.5	439.1	659.6	437.1	336.3	437.1	659.6	439.1	337.5	439.1	659.6
43.5°	312.3	413.4	638.0	411.7	310.9	411.7	638.0	413.4	312.3	413.4	638.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	239.6	338.5	554.2	337.5	239.9	337.5	554.2	338.5	239.6	338.5	554.2
45.5°	217.8	314.3	522.7	313.6	217.8	313.6	522.7	314.3	217.8	314.3	522.7
46°	196.5	290.5	491.4	289.8	196.5	289.8	491.4	290.5	196.5	290.5	491.4
46.5°	175.4	267.3	460.6	266.5	175.0	266.5	460.6	267.3	175.4	267.3	460.6
47°	154.8	244.5	429.9	244.5	154.1	244.5	429.9	244.5	154.8	244.5	429.9
47.5°	135.0	222.9	400.5	223.2	135.2	223.2	400.5	222.9	135.0	222.9	400.5
48°	117.5	202.1	372.2	202.1	117.5	202.1	372.2	202.1	117.5	202.1	372.2
48.5°	101.5	181.7	344.8	181.5	101.3	181.5	344.8	181.7	101.5	181.7	344.8
49°	88.2	161.6	318.2	161.4	86.0	161.4	318.2	161.6	88.2	161.6	318.2
49.5°	75.6	142.2	292.2	142.2	74.1	142.2	292.2	142.2	75.6	142.2	292.2
50°	63.5	124.5	267.0	124.5	62.8	124.5	267.0	124.5	63.5	124.5	267.0
50.5°	52.3	109.0	242.8	107.6	51.9	107.6	242.8	109.0	52.3	109.0	242.8
51°	42.9	94.3	221.0	92.1	42.9	92.1	221.0	94.3	42.9	94.3	221.0
51.5°	34.4	81.4	199.7	79.5	33.7	79.5	199.7	81.4	34.4	81.4	199.7
52°	27.4	68.8	178.8	67.4	25.9	67.4	178.8	68.8	27.4	68.8	178.8
52.5°	20.6	57.2	158.5	55.7	18.4	55.7	158.5	57.2	20.6	57.2	158.5
53°	13.8	46.8	139.6	45.8	11.4	45.8	139.6	46.8	13.8	46.8	139.6
53.5°	9.2	37.3	122.4	35.9	6.8	35.9	122.4	37.3	9.2	37.3	122.4
54°	4.4	30.0	106.4	27.9	3.9	27.9	106.4	30.0	4.4	30.0	106.4
54.5°	2.7	23.0	92.6	20.6	2.9	20.6	92.6	23.0	2.7	23.0	92.6
55°	1.7	16.0	79.5	13.6	2.2	13.6	79.5	16.0	1.7	16.0	79.5
55.5°	0.7	10.2	67.4	9.2	1.5	9.2	67.4	10.2	0.7	10.2	67.4
56°	0.5	4.4	56.2	6.8	0.7	6.8	56.2	4.4	0.5	4.4	56.2
56.5°	0.5	2.2	45.6	4.1	0.5	4.1	45.6	2.2	0.5	2.2	45.6
57°	0.5	1.2	37.1	2.2	0.5	2.2	37.1	1.2	0.5	1.2	37.1
57.5°	0.5	1.0	29.8	1.0	0.5	1.0	29.8	1.0	0.5	1.0	29.8
58°	0.5	0.5	24.0	0.5	0.5	0.5	24.0	0.5	0.5	0.5	24.0
58.5°	0.5	0.5	18.7	0.5	0.5	0.5	18.7	0.5	0.5	0.5	18.7
59°	0.5	0.5	13.8	0.5	0.5	0.5	13.8	0.5	0.5	0.5	13.8
59.5°	0.5	0.5	10.2	0.5	0.5	0.5	10.2	0.5	0.5	0.5	10.2
60°	0.5	0.5	7.0	0.5	0.5	0.5	7.0	0.5	0.5	0.5	7.0
60.5°	0.5	0.5	4.8	0.5	0.5	0.5	4.8	0.5	0.5	0.5	4.8
61°	0.5	0.5	3.2	0.5	0.5	0.5	3.2	0.5	0.5	0.5	3.2
61.5°	0.5	0.5	1.9	0.5	0.5	0.5	1.9	0.5	0.5	0.5	1.9
62°	0.2	0.2	1.0	0.5	0.5	0.5	1.0	0.2	0.2	0.2	1.0
62.5°	0.2	0.2	0.7	0.2	0.2	0.2	0.7	0.2	0.2	0.2	0.7
63°	0.2	0.2	0.5	0.2	0.2	0.2	0.5	0.2	0.2	0.2	0.5
63.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
64°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
64.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P776115
 CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	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	0.0	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.0
75°	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
75.5°	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0
76°	0.0	0.0	0.0	0.0	0.2	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: P776115
CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-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: P776115

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1202.9	1202.9	1202.9	1202.9	1202.9	1202.9
0.5°	1202.6	1202.9	1202.6	1202.9	1202.9	1203.3
1°	1202.6	1202.9	1202.6	1202.6	1202.9	1203.1
1.5°	1202.4	1202.4	1202.4	1202.4	1202.4	1202.9
2°	1201.9	1202.1	1201.9	1201.9	1202.1	1202.4
2.5°	1201.4	1201.6	1201.4	1201.4	1201.6	1201.9
3°	1200.9	1200.9	1200.9	1200.9	1200.9	1201.4
3.5°	1200.2	1200.2	1200.2	1200.2	1200.4	1200.7
4°	1199.2	1199.5	1199.2	1199.2	1199.5	1199.9
4.5°	1198.2	1198.5	1198.2	1198.5	1198.5	1199.0
5°	1197.3	1197.3	1197.3	1197.3	1197.5	1197.8
5.5°	1196.1	1196.1	1196.1	1196.1	1196.3	1196.6
6°	1194.6	1194.9	1194.6	1194.9	1195.1	1195.3
6.5°	1193.4	1193.4	1193.4	1193.4	1193.6	1193.9
7°	1191.7	1191.7	1191.7	1191.9	1192.2	1192.4
7.5°	1190.0	1190.0	1190.0	1190.2	1190.5	1190.7
8°	1188.3	1188.3	1188.3	1188.6	1188.6	1188.8
8.5°	1186.4	1186.1	1186.4	1186.6	1186.6	1186.9
9°	1184.2	1183.9	1184.2	1184.4	1184.7	1184.7
9.5°	1182.0	1181.8	1182.0	1182.3	1182.5	1182.5
10°	1179.6	1179.3	1179.6	1180.1	1180.1	1180.1
10.5°	1177.2	1176.9	1177.2	1177.6	1177.6	1177.6
11°	1174.5	1174.0	1174.5	1175.0	1175.0	1174.7
11.5°	1171.6	1171.1	1171.6	1172.3	1172.3	1172.1
12°	1168.7	1168.2	1168.7	1169.4	1169.4	1169.2
12.5°	1165.5	1165.0	1165.5	1166.5	1166.3	1166.0
13°	1162.4	1161.7	1162.4	1163.4	1163.1	1162.6
13.5°	1159.0	1158.3	1159.0	1160.0	1159.7	1159.2
14°	1155.4	1154.6	1155.4	1156.6	1156.1	1155.4
14.5°	1151.7	1150.8	1151.7	1152.9	1152.4	1151.7
15°	1147.8	1146.6	1147.8	1149.1	1148.6	1147.6
15.5°	1143.7	1142.5	1143.7	1145.2	1144.5	1143.7
16°	1139.6	1138.2	1139.6	1141.1	1140.3	1139.4
16.5°	1135.2	1133.8	1135.2	1136.7	1136.0	1135.0
17°	1130.6	1128.9	1130.6	1132.3	1131.6	1130.2
17.5°	1126.0	1124.1	1126.0	1127.7	1126.8	1125.6
18°	1120.9	1119.0	1120.9	1122.9	1121.9	1120.5
18.5°	1116.1	1113.9	1116.1	1118.0	1117.1	1115.4
19°	1110.5	1108.3	1110.5	1113.0	1111.7	1110.0
19.5°	1105.2	1103.0	1105.2	1107.6	1106.4	1104.5
20°	1099.6	1097.2	1099.6	1102.3	1100.8	1098.7
20.5°	1093.8	1091.1	1093.8	1096.7	1095.3	1092.8
21°	1088.0	1084.8	1088.0	1090.9	1089.2	1086.8

TEST NUMBER: P776115

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	1068.9	1065.0	1068.9	1072.2	1070.3	1067.2
23°	1062.1	1057.9	1062.1	1065.7	1063.5	1060.4
23.5°	1055.0	1050.7	1055.0	1059.2	1056.7	1053.3
24°	1047.8	1043.4	1047.8	1052.1	1049.7	1045.8
24.5°	1040.5	1035.9	1040.5	1045.1	1042.2	1038.3
25°	1032.7	1027.9	1032.7	1037.6	1034.7	1030.6
25.5°	1025.0	1019.9	1025.0	1030.3	1026.9	1022.8
26°	1017.2	1011.7	1017.2	1022.6	1019.2	1014.8
26.5°	1009.0	1003.4	1009.0	1014.6	1010.9	1006.6
27°	1000.8	994.9	1000.8	1006.6	1002.9	997.9
27.5°	992.0	986.5	992.0	998.3	994.5	989.1
28°	983.6	977.3	983.6	989.9	985.7	980.4
28.5°	974.8	968.3	974.8	981.1	977.0	971.4
29°	965.9	959.1	965.9	972.2	968.3	962.2
29.5°	956.9	949.9	956.9	963.2	959.1	953.0
30°	947.7	940.4	947.7	953.8	949.9	943.3
30.5°	938.5	930.7	938.5	944.3	940.7	933.9
31°	929.0	920.8	929.0	934.6	931.2	923.9
31.5°	919.3	910.6	919.3	924.7	921.8	914.0
32°	909.6	897.8	909.6	914.7	911.8	903.8
32.5°	899.7	884.7	899.7	904.6	901.9	893.2
33°	889.8	870.4	889.8	894.1	892.0	876.0
33.5°	879.6	851.0	879.6	883.7	882.0	857.3
34°	867.2	829.4	867.2	873.1	871.8	834.5
34.5°	853.7	803.8	853.7	862.4	860.9	808.1
35°	839.9	775.9	839.9	851.7	844.7	781.0
35.5°	822.4	747.8	822.4	841.1	828.7	753.8
36°	803.0	719.9	803.0	830.2	807.2	725.7
36.5°	779.5	692.5	779.5	819.5	784.4	697.4
37°	754.6	664.4	754.6	808.8	758.4	668.5
37.5°	728.2	636.8	728.2	797.9	732.5	640.7
38°	701.3	608.9	701.3	787.3	705.9	611.6
38.5°	674.8	580.8	674.8	776.4	679.2	583.5
39°	648.7	552.2	648.7	766.0	652.1	555.4
39.5°	622.5	523.9	622.5	755.3	625.4	527.3
40°	596.1	495.5	596.1	744.6	598.3	498.7
40.5°	569.4	467.9	569.4	734.0	571.6	470.8
41°	543.0	440.5	543.0	723.1	545.0	443.7
41.5°	516.1	414.4	516.1	711.0	518.3	416.5
42°	489.5	387.9	489.5	697.4	491.7	389.4
42.5°	463.1	361.8	463.1	679.7	465.5	363.5
43°	437.1	336.3	437.1	659.6	439.1	337.5
43.5°	411.7	310.9	411.7	638.0	413.4	312.3



TEST NUMBER: P776115

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	337.5	239.9	337.5	554.2	338.5	239.6
45.5°	313.6	217.8	313.6	522.7	314.3	217.8
46°	289.8	196.5	289.8	491.4	290.5	196.5
46.5°	266.5	175.0	266.5	460.6	267.3	175.4
47°	244.5	154.1	244.5	429.9	244.5	154.8
47.5°	223.2	135.2	223.2	400.5	222.9	135.0
48°	202.1	117.5	202.1	372.2	202.1	117.5
48.5°	181.5	101.3	181.5	344.8	181.7	101.5
49°	161.4	86.0	161.4	318.2	161.6	88.2
49.5°	142.2	74.1	142.2	292.2	142.2	75.6
50°	124.5	62.8	124.5	267.0	124.5	63.5
50.5°	107.6	51.9	107.6	242.8	109.0	52.3
51°	92.1	42.9	92.1	221.0	94.3	42.9
51.5°	79.5	33.7	79.5	199.7	81.4	34.4
52°	67.4	25.9	67.4	178.8	68.8	27.4
52.5°	55.7	18.4	55.7	158.5	57.2	20.6
53°	45.8	11.4	45.8	139.6	46.8	13.8
53.5°	35.9	6.8	35.9	122.4	37.3	9.2
54°	27.9	3.9	27.9	106.4	30.0	4.4
54.5°	20.6	2.9	20.6	92.6	23.0	2.7
55°	13.6	2.2	13.6	79.5	16.0	1.7
55.5°	9.2	1.5	9.2	67.4	10.2	0.7
56°	6.8	0.7	6.8	56.2	4.4	0.5
56.5°	4.1	0.5	4.1	45.6	2.2	0.5
57°	2.2	0.5	2.2	37.1	1.2	0.5
57.5°	1.0	0.5	1.0	29.8	1.0	0.5
58°	0.5	0.5	0.5	24.0	0.5	0.5
58.5°	0.5	0.5	0.5	18.7	0.5	0.5
59°	0.5	0.5	0.5	13.8	0.5	0.5
59.5°	0.5	0.5	0.5	10.2	0.5	0.5
60°	0.5	0.5	0.5	7.0	0.5	0.5
60.5°	0.5	0.5	0.5	4.8	0.5	0.5
61°	0.5	0.5	0.5	3.2	0.5	0.5
61.5°	0.5	0.5	0.5	1.9	0.5	0.5
62°	0.5	0.5	0.5	1.0	0.2	0.2
62.5°	0.2	0.2	0.2	0.7	0.2	0.2
63°	0.2	0.2	0.2	0.5	0.2	0.2
63.5°	0.2	0.2	0.2	0.2	0.2	0.2
64°	0.2	0.2	0.2	0.2	0.2	0.2
64.5°	0.2	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2	0.2
65.5°	0.2	0.2	0.2	0.2	0.2	0.2
66°	0.2	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P776115
 CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-2500lm-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	0.2	0.2	0.2	0.2	0.2	0.2
68°	0.2	0.2	0.2	0.2	0.2	0.2
68.5°	0.2	0.2	0.2	0.2	0.2	0.2
69°	0.2	0.2	0.2	0.2	0.2	0.2
69.5°	0.2	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2	0.2
70.5°	0.2	0.2	0.2	0.2	0.2	0.2
71°	0.2	0.2	0.2	0.2	0.2	0.2
71.5°	0.2	0.2	0.2	0.2	0.2	0.2
72°	0.2	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2	0.2
73°	0.2	0.2	0.2	0.2	0.2	0.2
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	0.0	0.2	0.2
75°	0.2	0.2	0.2	0.0	0.0	0.0
75.5°	0.2	0.2	0.2	0.0	0.0	0.0
76°	0.0	0.2	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: P776115

CATALOG NUMBER: HCDJBL51525CSD-HCD6TSQMB-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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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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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21.5°	1080.5	1083.1	1084.8	1081.7	1078.3	1081.7	1084.8	1083.1	1080.5	1083.1	1084.8
22°	1073.9	1076.8	1078.5	1075.4	1071.8	1075.4	1078.5	1076.8	1073.9	1076.8	1078.5



44°	287.4	387.7	611.8	386.5	286.2	386.5	611.8	387.7	287.4	387.7	611.8
44.5°	263.4	363.0	583.5	362.0	262.4	362.0	583.5	363.0	263.4	363.0	583.5



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



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°	1081.7	1078.3	1081.7	1084.8	1083.1	1080.5
22°	1075.4	1071.8	1075.4	1078.5	1076.8	1073.9



44°	386.5	286.2	386.5	611.8	387.7	287.4
44.5°	362.0	262.4	362.0	583.5	363.0	263.4

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

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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)