

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: McGRAW-EDISON

Report Number: P630441

Luminaire Tested: GWS-SA1D-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4849.6 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

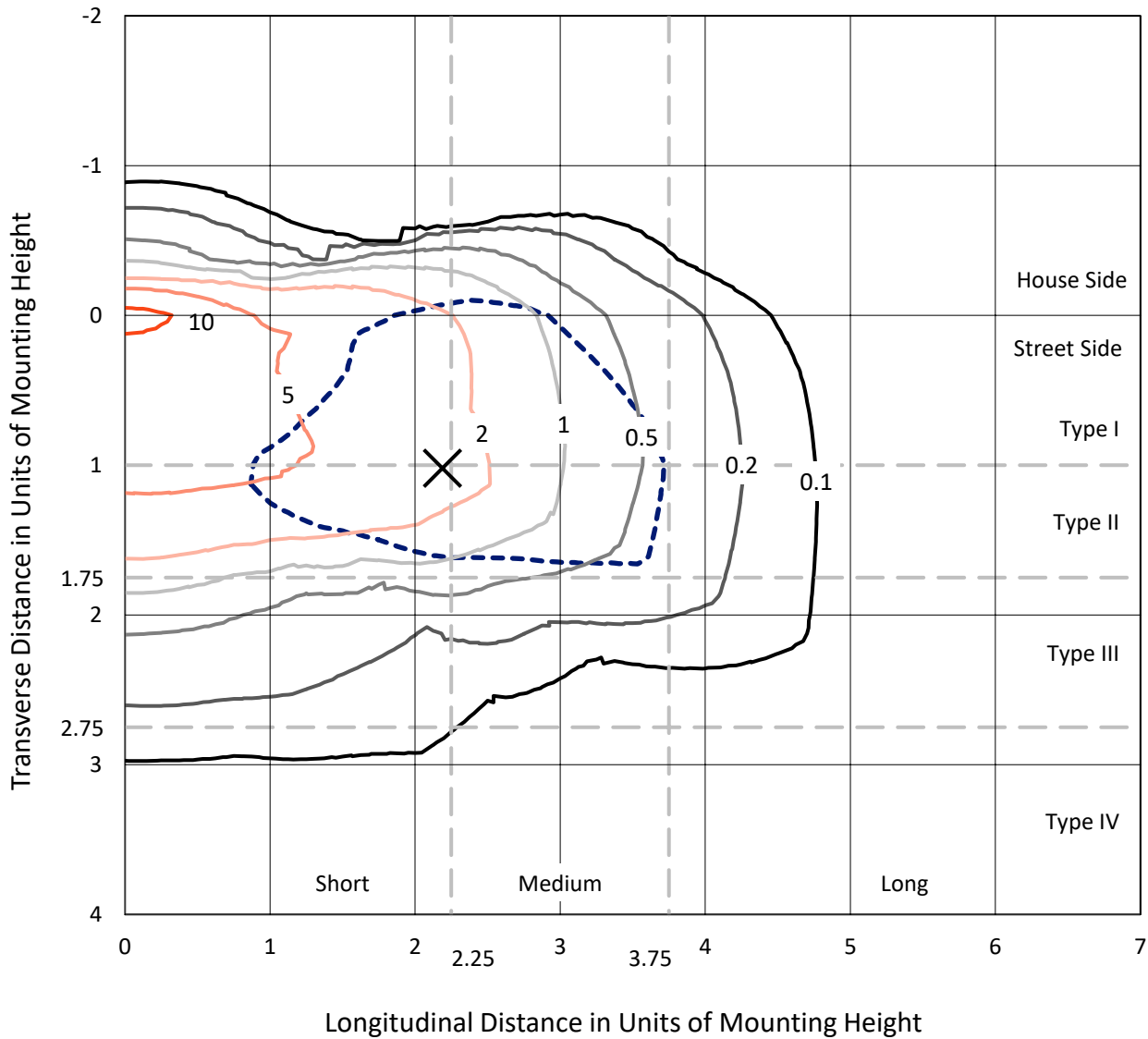
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

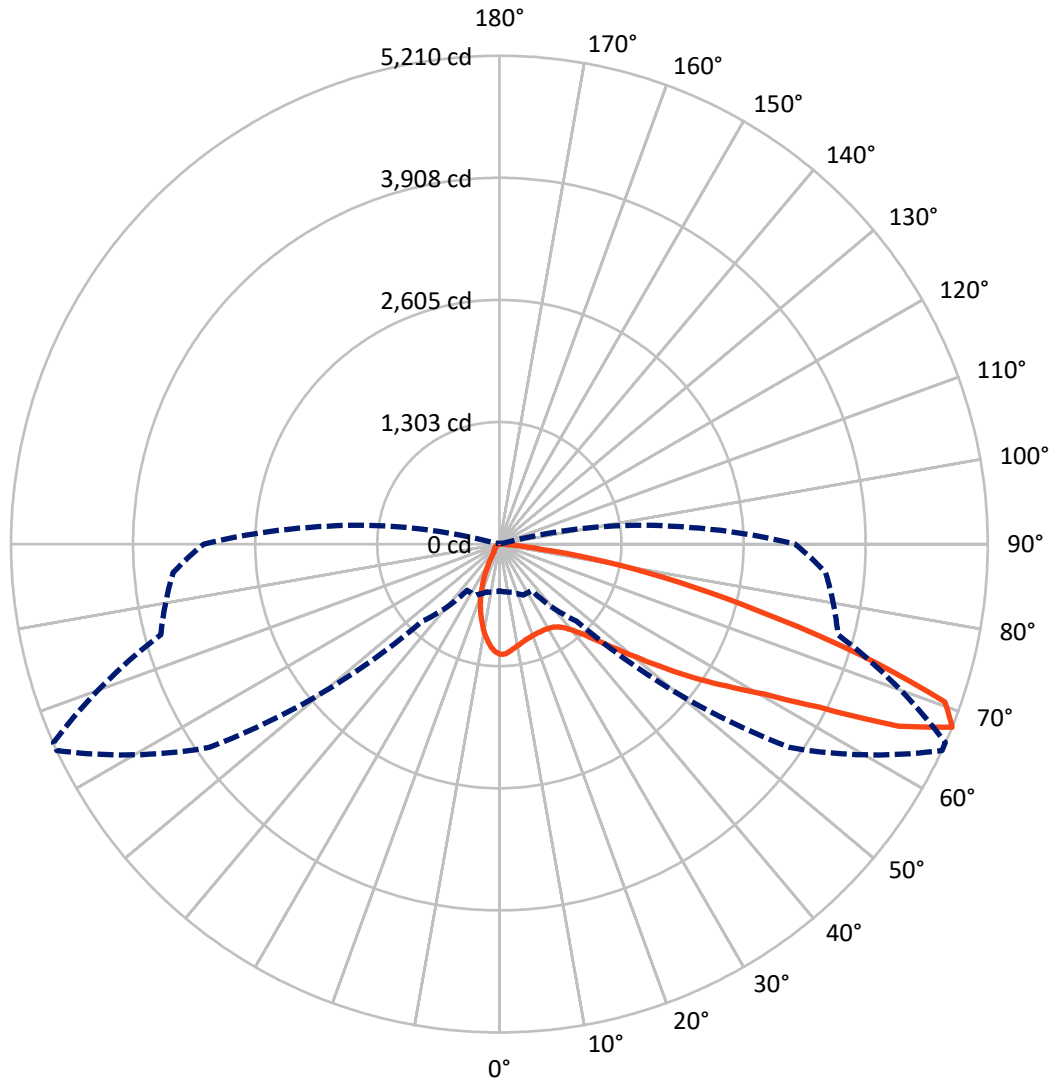
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.6	0.0	605.6
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4244.0	0.0	4244.0
	% Fixture	87.5	0.0	87.5
Total	Lumens	4849.6	0.0	4849.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	2.0
10°-20°	219.6	4.5
20°-30°	313.8	6.5
30°-40°	456.5	9.4
40°-50°	715.0	14.7
50°-60°	1115.4	23.0
60°-70°	1225.2	25.3
70°-80°	652.1	13.4
80°-90°	54.3	1.1
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°-90°	4849.6	100.0
0°-180°	4849.6	100.0

Coefficient of Utilization



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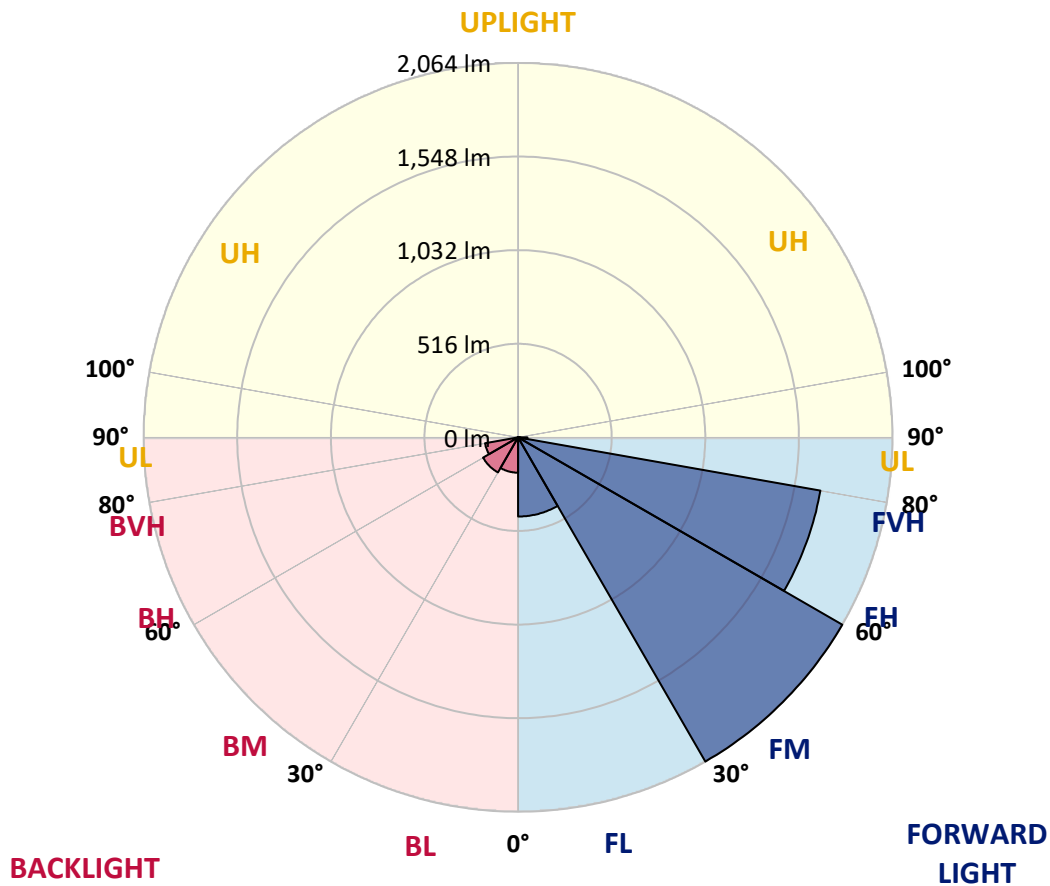
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.4	9.0			
FM (30°-60°)	2063.9	42.6			
FH (60°-80°)	1692.3	34.9			G1/1800
FVH (80°-90°)	51.4	1.1			G1/100
BL (0°-30°)	194.6	4.0	B1/500		
BM (30°-60°)	223.1	4.6	B1/1000		
BH (60°-80°)	185.0	3.8	B1/500		G1/500
BVH (80°-90°)	2.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2
2.5°	1135.4	1138.9	1134.1	1145.9	1148.1	1161.3	1168.7	1174.0	1173.5	1180.1	1180.1
5°	1068.7	1072.2	1069.6	1082.3	1092.4	1113.0	1130.1	1149.9	1150.7	1170.9	1178.4
7.5°	1012.2	1012.6	1012.6	1028.4	1041.5	1067.0	1092.4	1122.7	1126.2	1157.3	1177.1
10°	965.7	967.0	967.4	985.4	999.9	1030.6	1063.0	1099.4	1103.4	1145.5	1176.2
12.5°	933.7	934.1	935.9	954.7	970.5	1002.5	1035.4	1077.1	1082.3	1131.9	1172.2
15°	918.3	917.4	918.3	934.1	949.9	980.6	1014.4	1059.1	1064.8	1120.5	1172.7
17.5°	917.4	916.1	915.2	927.1	937.2	964.4	998.6	1047.2	1053.4	1115.2	1177.5
20°	930.2	929.3	924.9	930.2	932.3	954.7	988.5	1038.0	1044.2	1114.3	1188.0
22.5°	963.5	961.3	954.7	949.9	938.1	951.2	981.5	1031.5	1038.5	1116.5	1201.6
25°	1013.0	1012.2	1003.8	992.0	961.7	956.5	981.9	1031.5	1038.0	1119.2	1216.1
27.5°	1087.6	1082.3	1071.8	1051.2	1007.8	977.1	990.7	1034.1	1040.7	1122.7	1227.9
30°	1163.5	1163.0	1159.5	1138.5	1074.0	1016.5	1009.1	1041.1	1047.2	1125.7	1238.9
32.5°	1242.0	1243.3	1252.0	1235.8	1165.2	1075.3	1042.4	1055.6	1060.0	1131.9	1248.5
35°	1316.5	1319.1	1342.4	1348.1	1276.2	1164.3	1096.8	1084.5	1085.0	1145.5	1261.3
37.5°	1388.0	1396.8	1434.0	1461.7	1414.3	1272.2	1175.3	1133.6	1130.1	1172.7	1280.6
40°	1469.1	1485.8	1532.7	1579.6	1564.7	1414.7	1282.3	1209.1	1201.6	1222.7	1315.2
42.5°	1559.0	1577.0	1639.3	1705.1	1712.1	1587.1	1416.1	1319.1	1306.4	1306.9	1380.1
45°	1655.5	1679.6	1752.0	1846.7	1889.3	1779.2	1581.0	1467.8	1455.1	1436.2	1484.5
47.5°	1782.3	1803.3	1873.0	1982.2	2063.8	1985.3	1797.2	1659.0	1635.8	1608.1	1646.7
50°	1891.4	1909.9	1969.9	2106.8	2276.5	2251.1	2042.3	1898.0	1875.7	1828.7	1860.8
52.5°	1915.6	1930.0	1985.3	2139.2	2439.2	2586.5	2342.7	2187.0	2171.2	2084.4	2096.7
55°	1807.2	1829.2	1878.7	2049.8	2481.7	2914.6	2732.6	2512.9	2480.0	2341.4	2363.3
57.5°	1533.6	1572.6	1619.1	1841.5	2366.4	3089.1	3277.3	2858.0	2828.2	2588.7	2589.2
60°	1124.0	1155.6	1186.7	1390.2	2092.7	3077.3	3771.5	3245.7	3191.3	2790.9	2783.5
62.5°	817.5	833.7	833.2	905.6	1437.1	2874.7	4031.1	3829.8	3703.1	3007.1	2964.6
65°	642.9	642.5	661.3	685.0	802.5	2219.0	4063.1	4682.8	4546.0	3297.0	3208.4
67.5°	500.4	510.0	528.9	598.6	603.0	1161.3	3781.6	5210.4	5207.7	3739.5	3493.9
70°	385.9	399.1	425.8	527.6	557.0	649.9	2829.5	5043.3	5085.8	3937.3	3291.7
72.5°	247.8	246.9	286.4	426.3	535.0	541.6	1564.7	4006.1	4054.4	3566.3	2661.5
75°	138.6	139.5	161.8	260.9	498.6	509.6	774.9	2856.7	2894.8	2780.4	2044.9
77.5°	54.4	56.1	75.9	137.3	328.9	455.2	460.5	1948.0	1953.7	1723.0	1254.2
80°	21.9	23.2	38.6	85.1	200.4	306.5	328.9	1147.7	1124.4	667.0	364.9
82.5°	6.6	7.0	15.3	48.2	104.8	218.0	221.9	440.3	415.7	143.4	93.0
85°	0.4	0.4	3.5	14.9	37.3	54.8	147.8	143.4	127.2	36.0	41.2
87.5°	0.0	0.0	0.4	0.4	0.9	1.8	15.8	26.3	26.8	6.6	18.4
90°	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2	1176.2
2.5°	1180.1	1164.3	1163.0	1150.7	1138.5	1123.1	1105.1	1092.0	1082.8	1066.5	1063.5
5°	1178.4	1157.3	1137.6	1102.5	1063.5	1021.4	984.5	950.3	928.8	914.4	908.2
7.5°	1174.9	1148.1	1102.5	1036.3	970.9	897.3	839.8	787.2	751.2	730.2	721.0
10°	1172.2	1136.3	1062.2	961.7	860.4	758.7	671.4	593.4	549.9	515.7	510.0
12.5°	1167.0	1119.2	1010.4	874.5	743.8	608.7	497.3	401.7	335.5	305.7	295.1
15°	1161.7	1101.2	958.7	782.4	616.6	449.9	314.9	222.8	177.2	163.1	162.3
17.5°	1160.8	1085.0	902.5	695.1	483.3	294.7	179.4	144.3	134.6	131.1	131.1
20°	1163.5	1071.4	847.3	594.7	352.2	179.4	133.8	125.0	119.3	116.2	116.2
22.5°	1166.1	1057.3	794.2	493.4	233.7	131.1	118.0	110.5	103.9	100.4	98.7
25°	1167.8	1042.0	735.4	391.6	152.6	114.0	103.5	93.8	86.0	81.6	81.6
27.5°	1167.4	1023.6	676.2	292.1	118.4	101.3	88.6	78.5	70.6	65.8	66.2
30°	1163.9	1003.4	614.8	203.9	103.5	88.6	75.9	65.3	57.4	53.5	53.1
32.5°	1161.3	981.9	543.8	143.4	93.0	77.6	64.5	54.4	47.8	44.7	44.3
35°	1158.2	960.9	476.3	109.2	83.8	67.1	54.4	46.0	40.8	38.2	38.2
37.5°	1159.1	938.9	403.0	93.8	74.6	58.3	46.5	39.5	35.1	32.5	32.0
40°	1172.7	925.8	331.1	85.1	66.2	50.4	40.3	34.2	29.8	27.2	26.8
42.5°	1206.4	926.2	262.3	78.5	58.8	43.0	35.1	29.4	25.4	22.4	21.9
45°	1274.0	944.6	201.3	71.5	50.9	37.3	30.3	25.0	21.1	18.4	18.0
47.5°	1384.5	999.4	152.6	65.3	44.3	32.5	25.9	21.1	17.5	15.3	14.9
50°	1560.3	1098.6	120.2	57.9	37.3	28.1	21.9	17.5	14.5	12.3	11.8
52.5°	1771.7	1247.2	103.1	51.3	32.0	24.6	18.9	14.5	11.8	10.1	9.6
55°	2014.7	1424.8	95.2	44.7	27.2	21.1	15.3	11.8	9.6	8.3	7.5
57.5°	2237.5	1584.9	94.7	38.2	23.2	18.0	12.7	10.1	8.3	6.6	6.1
60°	2454.5	1718.7	89.0	31.6	20.2	14.9	11.0	8.3	7.0	5.7	5.3
62.5°	2651.5	1827.4	74.6	25.4	17.1	12.3	9.2	7.5	6.1	4.8	4.8
65°	2898.8	1966.0	57.0	20.6	14.0	10.1	7.9	6.6	5.7	4.4	4.4
67.5°	3154.5	2039.2	40.8	17.1	11.4	8.8	7.0	6.1	4.8	3.9	3.9
70°	2857.1	1723.0	29.4	14.0	9.6	7.5	6.1	5.7	4.8	3.9	3.5
72.5°	2231.3	1242.4	21.9	11.0	8.3	7.0	5.7	5.3	4.4	3.5	3.5
75°	1654.6	724.5	16.7	8.8	6.6	5.7	5.7	5.3	4.4	3.5	3.1
77.5°	899.5	252.6	12.7	7.0	5.3	4.4	4.8	4.8	3.9	3.1	2.6
80°	238.1	69.3	8.8	5.3	4.4	3.5	3.5	4.4	3.5	2.6	2.6
82.5°	69.3	20.2	6.1	4.4	3.5	3.1	3.1	3.1	2.6	2.2	1.8
85°	33.8	7.5	4.4	3.5	3.1	2.6	2.2	2.2	1.8	1.3	1.3
87.5°	14.9	3.1	3.5	3.1	3.1	2.2	1.8	1.3	1.3	0.9	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)