

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: P630943

Luminaire Tested: GWS-SA1E-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7342.2 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

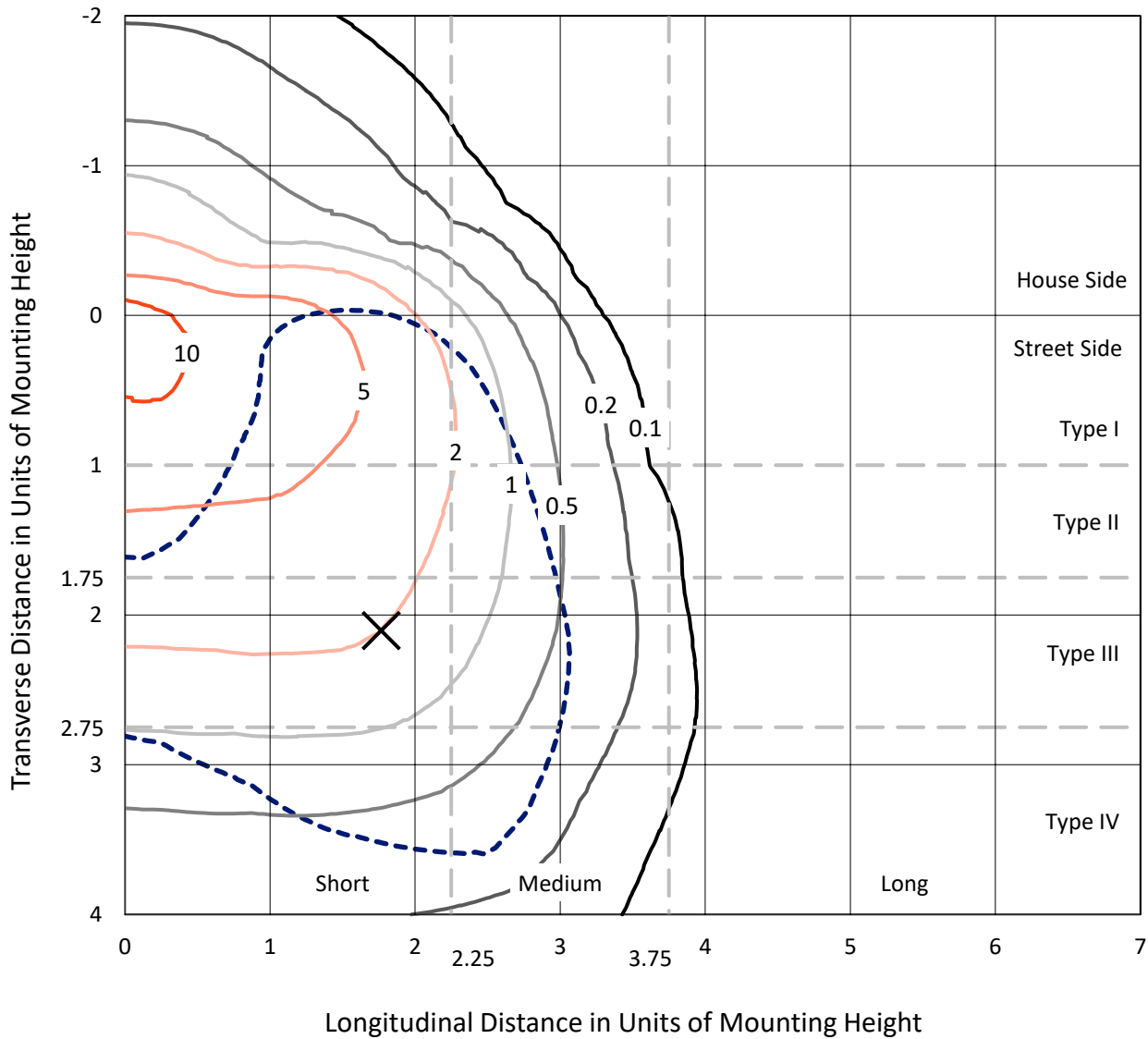
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

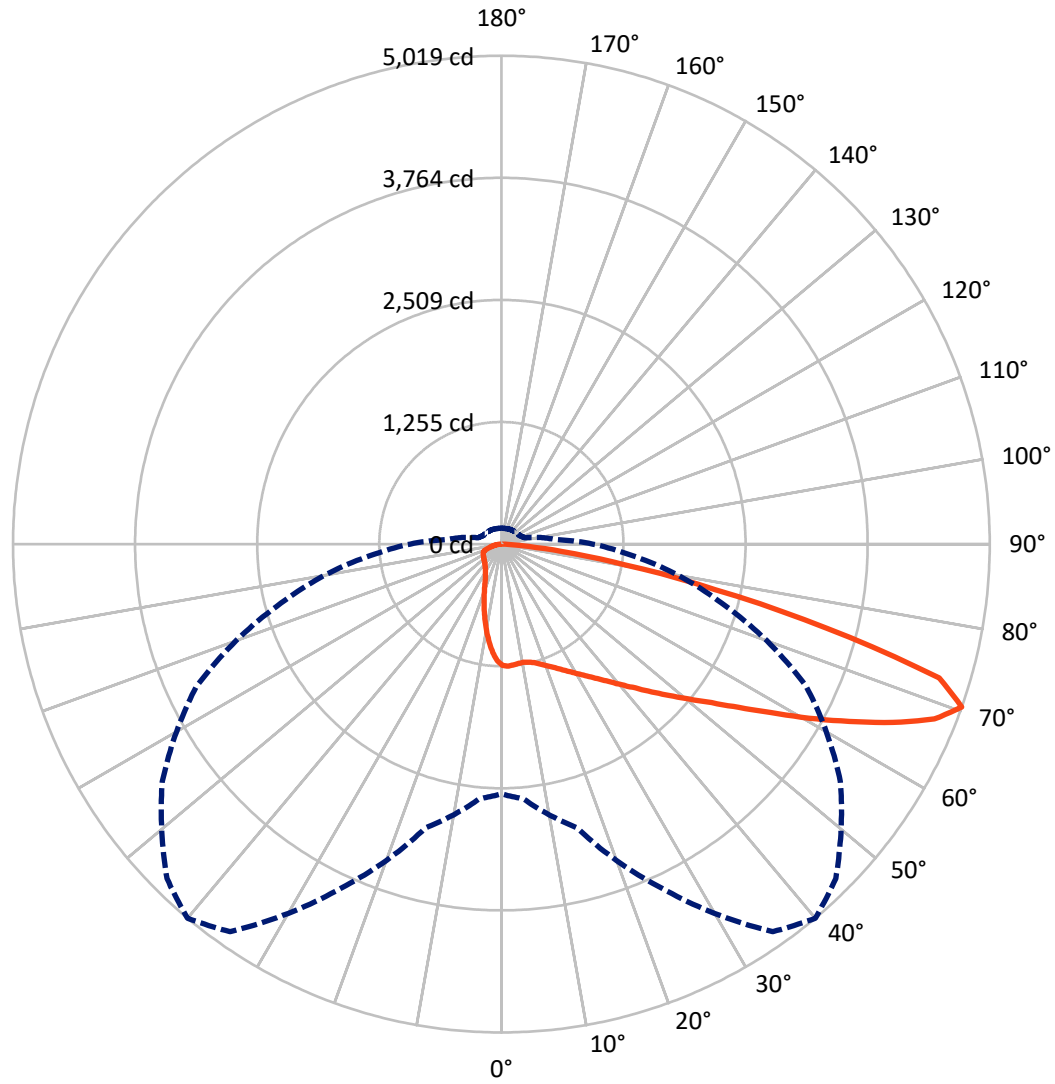
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1130.9	0.0	1130.9
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	6211.3	0.0	6211.3
	% Fixture	84.6	0.0	84.6
Total	Lumens	7342.2	0.0	7342.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.1	1.5
10°-20°	287.1	3.9
20°-30°	450.8	6.1
30°-40°	677.8	9.2
40°-50°	1046.2	14.2
50°-60°	1553.7	21.2
60°-70°	1958.4	26.7
70°-80°	1132.5	15.4
80°-90°	125.7	1.7
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°	7342.2	100.0
0°-180°	7342.2	100.0

Coefficient of Utilization



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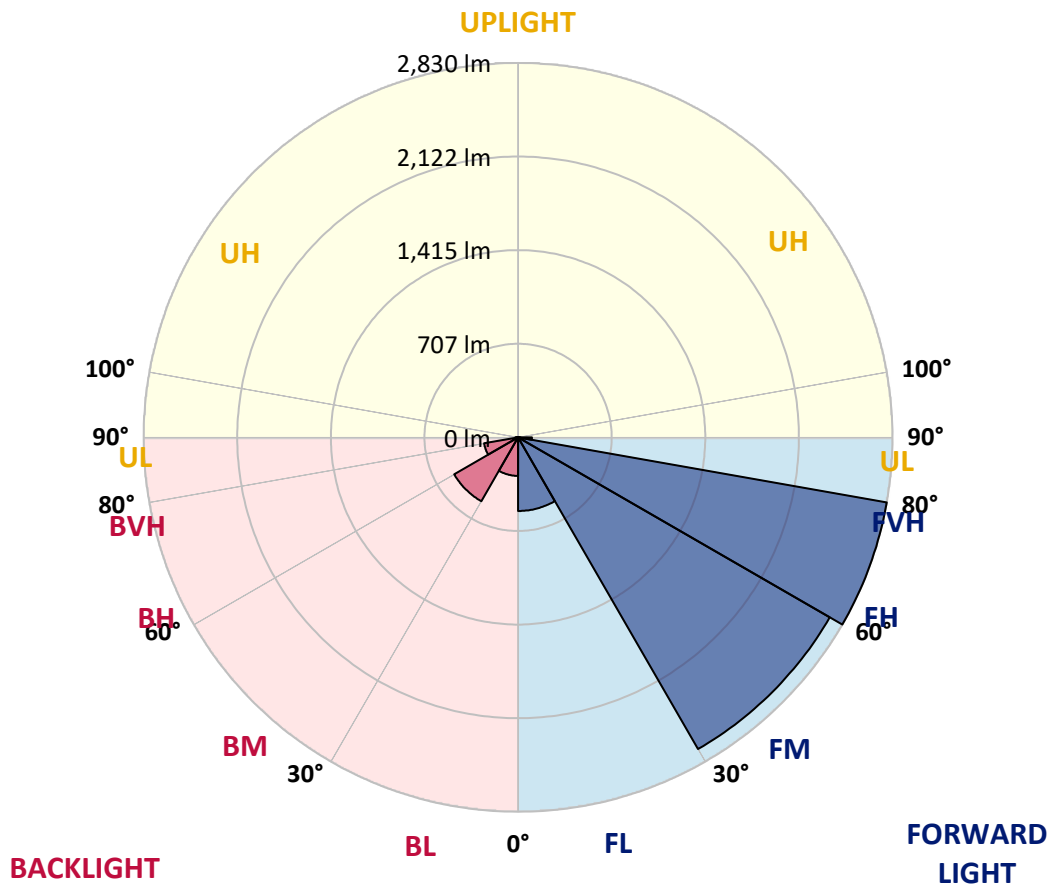
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	556.6	7.6			
FM (30°-60°)	2720.2	37.0			
FH (60°-80°)	2829.9	38.5			G2/5000
FVH (80°-90°)	104.7	1.4			G2/225
BL (0°-30°)	291.4	4.0	B1/500		
BM (30°-60°)	557.4	7.6	B1/1000		
BH (60°-80°)	261.0	3.6	B1/500		G1/500
BVH (80°-90°)	21.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8
2.5°	1254.5	1256.7	1258.3	1260.5	1259.4	1256.1	1258.8	1258.8	1252.8	1246.2	1240.2
5°	1256.1	1258.8	1258.3	1257.8	1253.4	1247.9	1247.9	1244.6	1234.2	1223.8	1213.9
7.5°	1252.8	1252.3	1251.7	1250.1	1245.1	1239.1	1238.0	1231.4	1217.7	1203.5	1189.2
10°	1238.0	1237.5	1239.1	1243.0	1241.9	1236.4	1236.4	1230.3	1214.5	1196.9	1178.3
12.5°	1226.0	1226.0	1232.5	1243.0	1246.8	1244.6	1245.1	1240.8	1222.7	1201.9	1179.9
15°	1227.6	1228.2	1242.4	1259.4	1266.5	1264.9	1265.4	1260.5	1240.2	1219.4	1189.8
17.5°	1238.6	1241.3	1266.0	1289.5	1298.9	1296.7	1292.8	1284.6	1261.6	1238.0	1201.9
20°	1261.6	1266.0	1297.8	1327.4	1338.3	1333.4	1326.8	1310.4	1285.2	1259.4	1215.0
22.5°	1307.1	1309.8	1344.9	1373.9	1382.7	1376.7	1363.5	1340.0	1310.9	1284.1	1230.9
25°	1371.2	1374.5	1407.9	1434.8	1432.6	1425.5	1407.4	1378.3	1343.8	1315.3	1253.9
27.5°	1447.4	1452.9	1485.7	1507.1	1492.9	1482.4	1462.2	1427.1	1388.2	1362.4	1289.0
30°	1530.7	1532.9	1560.8	1582.2	1560.3	1546.0	1521.4	1483.5	1448.5	1429.3	1341.6
32.5°	1611.2	1613.4	1637.5	1649.6	1626.6	1616.2	1594.8	1554.8	1530.1	1519.7	1420.0
35°	1696.2	1695.6	1715.4	1725.8	1702.2	1697.8	1675.9	1645.2	1640.8	1654.5	1534.5
37.5°	1781.1	1776.2	1786.6	1800.3	1787.2	1791.5	1777.3	1766.9	1783.9	1819.5	1686.9
40°	1849.1	1849.1	1860.0	1877.0	1881.4	1900.6	1892.4	1906.1	1960.9	2045.8	1875.4
42.5°	1909.4	1909.9	1932.9	1959.2	1991.0	2020.6	2027.2	2062.8	2176.3	2309.4	2112.1
45°	1972.4	1972.9	2004.2	2042.5	2110.0	2166.4	2179.6	2259.6	2421.8	2584.0	2369.2
47.5°	2045.3	2039.3	2082.5	2146.7	2242.6	2323.7	2357.7	2471.1	2676.1	2875.6	2611.4
50°	2127.5	2114.9	2163.1	2273.8	2392.2	2503.4	2560.4	2690.3	2949.0	3144.7	2839.4
52.5°	2220.1	2213.0	2263.4	2398.2	2579.1	2707.3	2784.6	2955.0	3214.3	3412.6	3020.2
55°	2335.2	2318.2	2391.1	2562.6	2798.3	2961.6	3053.1	3217.0	3504.2	3656.0	3158.4
57.5°	2461.2	2442.6	2540.2	2768.1	3083.3	3262.5	3377.0	3511.8	3777.1	3842.3	3239.5
60°	2597.2	2591.1	2706.8	3009.3	3423.1	3631.3	3714.1	3836.3	4014.4	3950.3	3219.2
62.5°	2721.6	2719.4	2887.6	3270.7	3783.1	4012.2	4078.0	4110.3	4185.4	3943.1	3058.1
65°	2852.5	2871.2	3098.6	3573.8	4195.8	4420.5	4447.9	4365.7	4242.9	3756.3	2728.1
67.5°	2869.0	2905.2	3231.2	3857.6	4587.1	4799.2	4777.3	4462.7	4073.0	3236.2	2138.4
70°	2565.9	2628.9	3019.7	3900.9	4862.8	5018.9	4860.6	4253.9	3456.5	2344.5	1344.9
72.5°	2143.9	2198.2	2543.5	3326.6	4507.1	4706.0	4491.7	3600.6	2442.6	1344.9	685.0
75°	1668.8	1731.8	2050.2	2644.3	3374.3	3453.7	3346.3	2511.1	1342.7	554.6	311.3
77.5°	1018.3	1063.7	1311.5	1791.5	2361.0	2242.0	1900.1	1407.9	589.1	265.8	192.4
80°	450.5	478.4	646.1	962.4	1364.1	1289.5	1016.6	601.2	322.2	168.8	134.3
82.5°	241.7	259.8	318.4	380.9	599.0	626.4	508.0	346.4	173.2	96.5	76.7
85°	106.3	116.7	144.7	138.1	196.7	193.5	195.1	237.8	82.8	44.4	49.9
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	6.0	31.8	8.2	13.2	11.5
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°	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8	1246.8
2.5°	1233.6	1223.8	1221.0	1217.7	1211.7	1201.3	1193.6	1184.9	1181.0	1176.6	1177.2
5°	1202.9	1190.9	1179.4	1164.6	1146.0	1125.1	1110.9	1094.4	1085.7	1077.4	1079.6
7.5°	1176.6	1158.0	1134.4	1103.2	1069.8	1032.5	1002.4	978.8	962.9	951.9	957.4
10°	1160.2	1138.3	1097.2	1046.2	989.8	932.8	889.5	848.9	823.7	804.0	802.9
12.5°	1156.9	1128.4	1068.7	994.7	913.0	836.9	773.3	718.5	685.0	660.4	669.7
15°	1160.2	1124.0	1044.0	947.0	844.0	740.9	662.0	599.0	559.0	536.5	534.9
17.5°	1164.0	1119.6	1016.1	895.5	771.6	653.8	562.3	495.4	454.3	431.9	432.4
20°	1167.3	1113.1	983.2	839.0	698.2	572.7	477.9	414.3	377.6	361.2	363.9
22.5°	1172.8	1106.5	948.1	778.8	623.1	494.3	411.0	359.5	337.6	326.6	327.2
25°	1183.2	1102.7	911.9	713.0	549.1	431.9	365.0	330.5	316.8	310.2	309.6
27.5°	1204.6	1105.9	874.1	649.4	482.3	384.2	335.4	312.9	303.6	299.2	298.7
30°	1240.2	1119.1	841.2	584.8	424.7	346.9	315.1	301.4	295.9	292.1	291.6
32.5°	1294.5	1143.8	805.6	524.5	378.1	319.5	299.2	292.1	288.3	286.1	286.1
35°	1376.7	1188.7	770.5	471.9	342.0	298.1	286.6	283.9	280.6	279.5	280.6
37.5°	1495.1	1260.5	738.8	425.8	316.2	281.7	272.9	274.0	271.3	272.9	274.6
40°	1645.2	1356.4	711.9	388.0	297.0	269.6	260.9	264.7	263.1	264.7	267.4
42.5°	1835.4	1475.3	691.6	358.4	283.3	259.8	251.6	255.4	254.3	256.5	259.2
45°	2047.5	1632.1	682.3	337.6	273.5	252.6	243.9	246.6	245.5	247.2	249.9
47.5°	2250.8	1774.6	690.5	325.5	265.3	246.6	237.3	238.4	237.8	237.3	238.9
50°	2426.2	1888.0	714.1	321.7	259.8	240.6	231.8	232.4	230.7	227.4	228.5
52.5°	2569.2	1979.0	728.3	321.7	257.0	234.0	225.8	226.3	223.1	218.7	219.2
55°	2663.5	2015.7	716.8	321.2	255.9	228.5	219.8	220.3	217.0	211.5	212.1
57.5°	2690.3	1980.1	668.6	315.1	254.8	224.1	213.7	214.8	212.6	206.6	206.6
60°	2615.2	1849.6	580.4	301.4	252.1	221.4	209.4	211.0	209.9	203.9	203.9
62.5°	2418.5	1617.8	475.2	280.6	244.4	218.1	205.5	208.8	211.5	208.3	207.7
65°	2050.2	1296.1	386.4	257.6	234.6	212.6	200.0	208.3	214.3	218.7	218.7
67.5°	1538.3	927.8	315.1	233.5	219.8	201.7	192.9	200.6	205.0	207.7	209.4
70°	937.7	545.8	248.3	205.5	198.4	185.2	178.7	171.0	165.0	163.9	164.4
72.5°	458.7	312.4	201.7	174.8	169.3	157.3	142.5	139.2	136.5	134.8	134.3
75°	252.6	217.6	166.6	145.2	135.4	120.6	117.3	111.8	110.7	108.5	109.1
77.5°	178.7	171.5	137.6	117.8	103.0	95.4	97.0	93.2	93.2	91.5	91.0
80°	134.3	134.8	105.8	86.0	76.2	73.4	75.1	75.1	74.0	73.4	72.9
82.5°	84.9	95.9	71.2	55.4	54.3	54.8	54.3	53.7	54.8	53.2	52.6
85°	58.6	69.1	43.3	32.9	32.9	32.3	33.4	32.9	34.0	32.3	32.3
87.5°	13.2	30.7	15.9	9.9	10.4	9.9	10.4	11.0	12.1	12.6	12.6
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)