

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: P631869

Luminaire Tested: GWS-SA2B-750-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P631869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-750-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

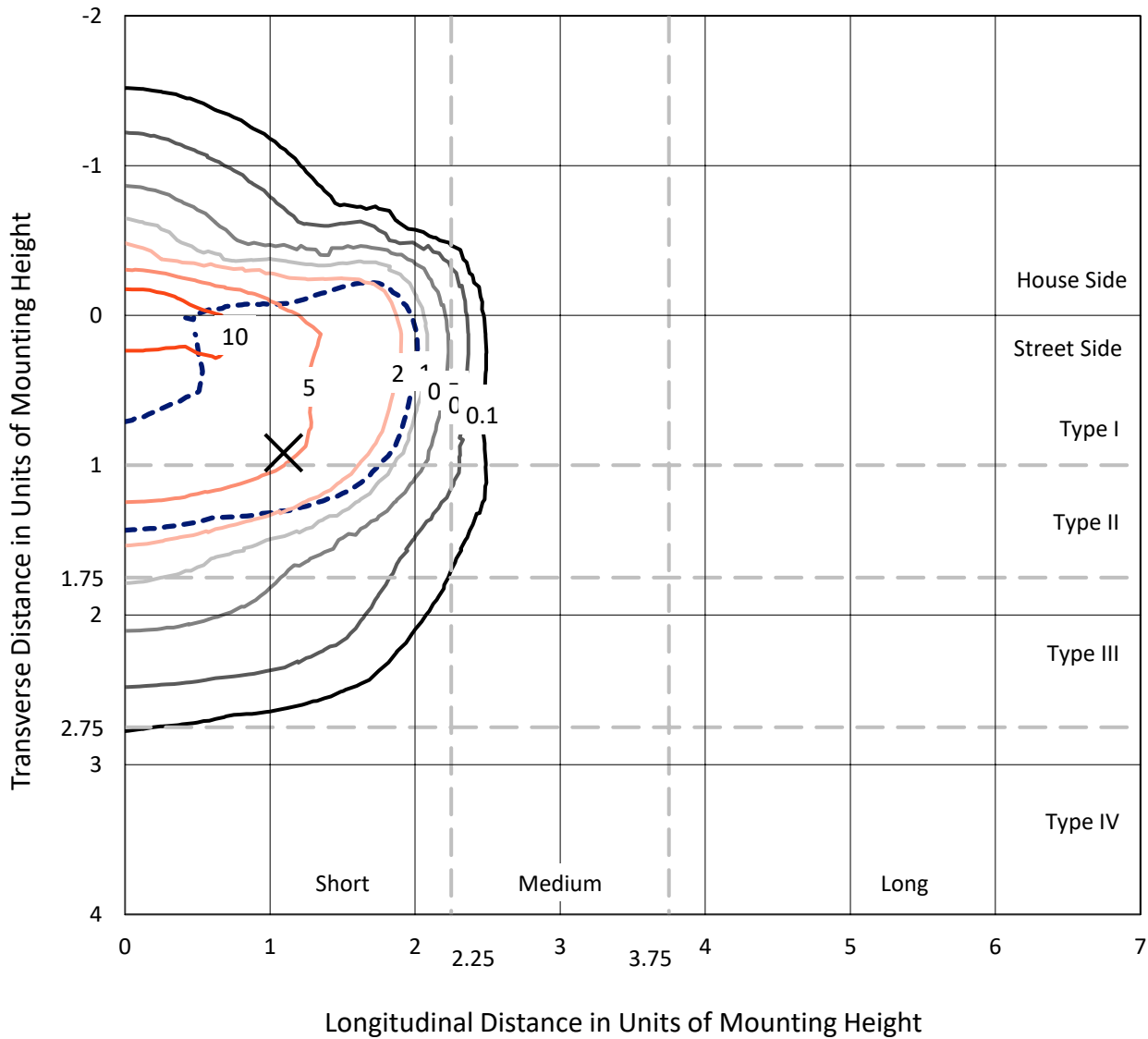
Lumens per Lamp: N/A  
Luminaire Lumens: 4145.2 lumens  
Efficiency: N/A  
Efficacy: 89.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



REPORT NUMBER: P631869  
 CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

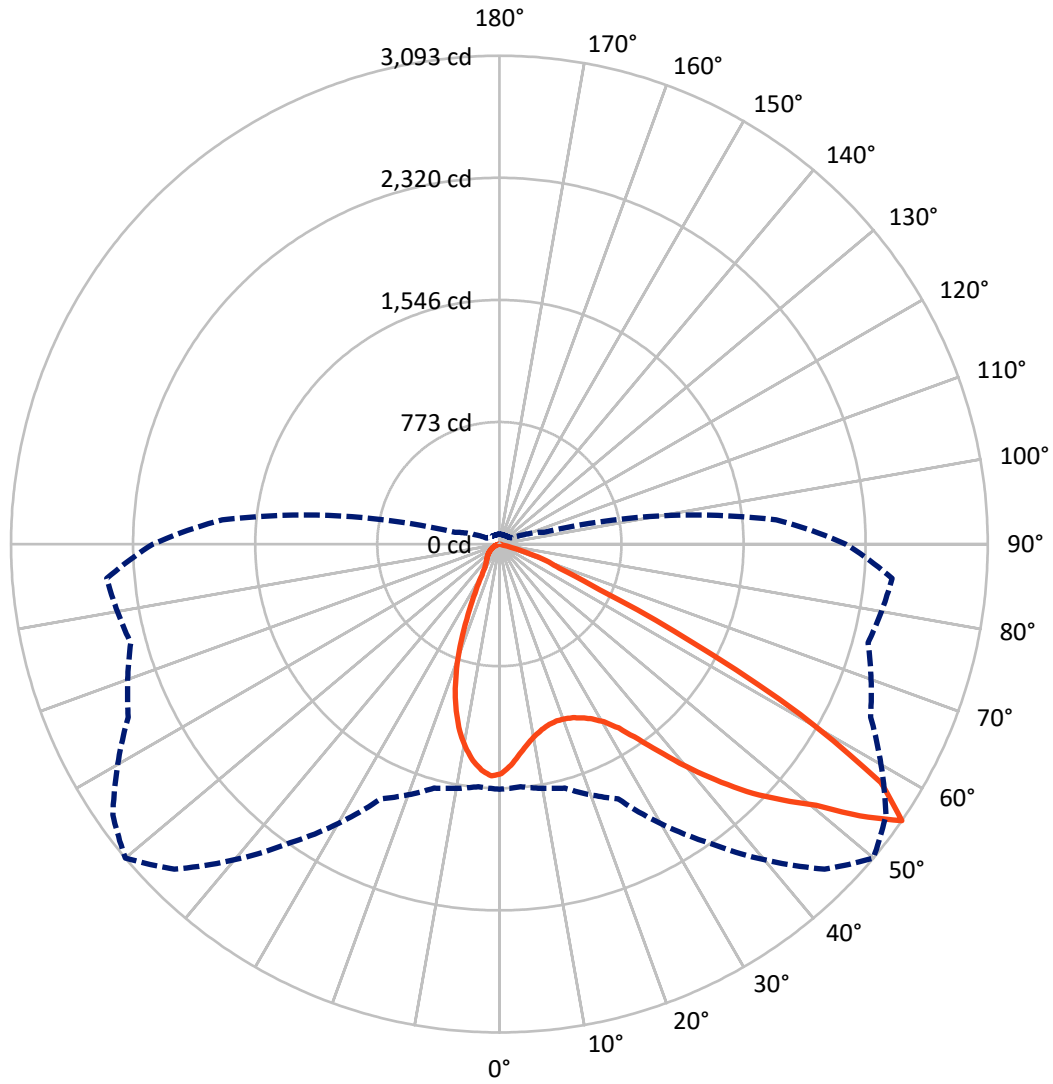
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc  
 Type II - Short - N/A

REPORT NUMBER: P631869  
CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P631869  
 CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	816.8	0.0	816.8
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	3328.4	0.0	3328.4
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	4145.2	0.0	4145.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.7	3.1
10°-20°	314.3	7.6
20°-30°	443.3	10.7
30°-40°	656.1	15.8
40°-50°	946.5	22.8
50°-60°	1116.4	26.9
60°-70°	498.0	12.0
70°-80°	42.8	1.0
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°-90°	4145.2	100.0
0°-180°	4145.2	100.0

**Coefficient of Utilization**



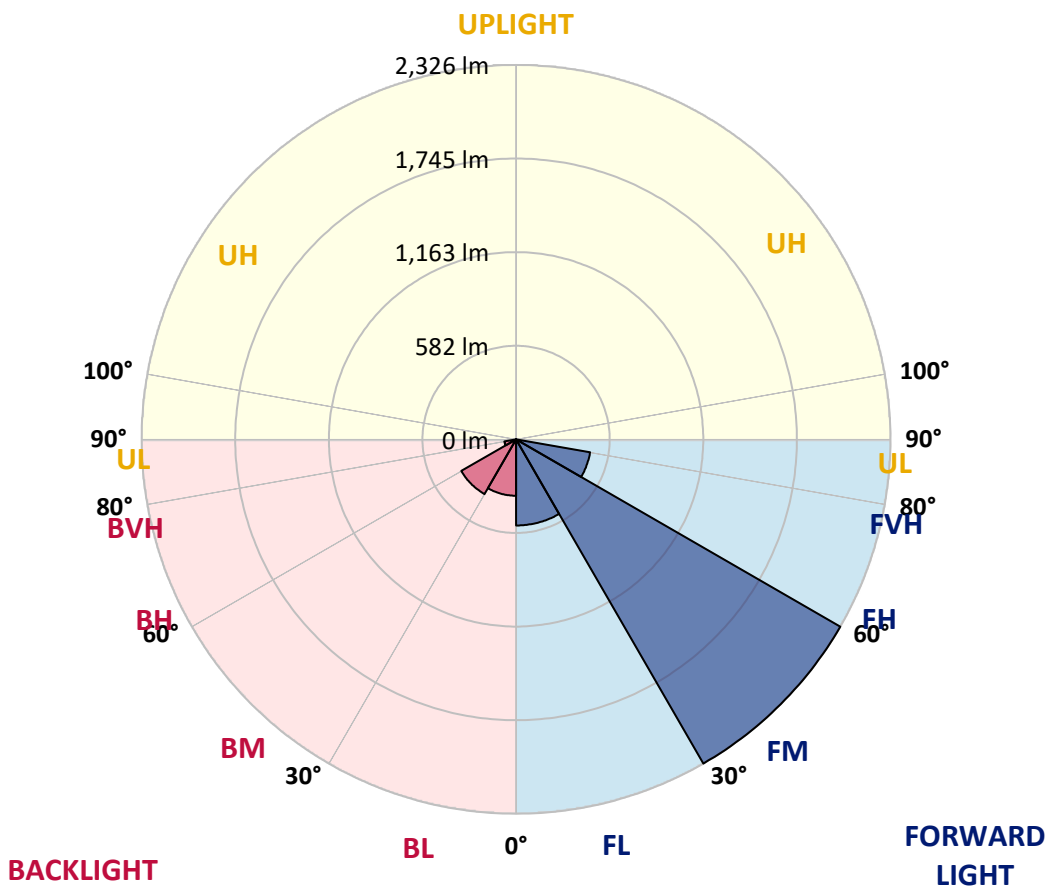
REPORT NUMBER: P631869

CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.2	12.9			
FM (30°-60°)	2326.2	56.1			
FH (60°-80°)	467.1	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	350.2	8.4	B1/500		
BM (30°-60°)	392.8	9.5	B1/1000		
BH (60°-80°)	73.7	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





REPORT NUMBER: P631869

CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1351.1	1352.1	1352.7	1366.3	1371.4	1391.6	1402.2	1407.8	1422.5	1439.7	1453.9
5°	1260.6	1259.0	1261.6	1278.8	1289.9	1319.8	1336.0	1347.1	1379.5	1420.0	1453.9
7.5°	1181.6	1184.6	1187.7	1206.4	1223.1	1255.5	1278.8	1295.5	1340.5	1400.7	1457.9
10°	1125.9	1125.9	1130.5	1151.8	1171.5	1211.5	1234.7	1256.0	1309.6	1383.5	1462.5
12.5°	1085.0	1085.5	1091.0	1115.3	1138.1	1179.6	1203.9	1224.6	1283.8	1366.3	1463.5
15°	1065.7	1064.2	1068.8	1094.6	1119.9	1158.8	1184.1	1204.4	1265.6	1356.7	1468.5
17.5°	1060.7	1059.7	1063.2	1088.5	1114.3	1152.3	1177.1	1197.3	1263.1	1359.7	1483.7
20°	1075.3	1073.3	1071.8	1093.6	1117.8	1155.3	1181.1	1203.9	1275.2	1376.4	1507.0
22.5°	1110.3	1110.3	1106.7	1117.3	1133.5	1167.4	1194.3	1224.1	1307.1	1409.8	1541.4
25°	1174.5	1169.5	1162.9	1167.4	1165.4	1186.7	1218.6	1260.0	1367.3	1465.0	1583.4
27.5°	1247.9	1252.5	1241.3	1241.8	1224.1	1216.5	1253.5	1316.2	1456.9	1542.9	1645.7
30°	1347.6	1344.0	1344.6	1343.0	1302.0	1266.1	1306.1	1389.6	1569.7	1661.8	1726.6
32.5°	1425.5	1430.6	1447.3	1456.9	1403.3	1345.6	1388.1	1489.3	1698.3	1797.5	1825.8
35°	1508.0	1517.1	1551.0	1582.4	1537.4	1471.1	1516.6	1621.4	1819.2	1931.6	1939.7
37.5°	1595.0	1613.3	1653.7	1708.9	1701.8	1643.1	1684.6	1776.7	1914.4	2012.5	2033.8
40°	1694.7	1712.4	1778.7	1858.2	1874.9	1861.7	1875.4	1929.0	1977.1	2016.1	2074.3
42.5°	1804.0	1828.3	1912.3	2018.6	2081.4	2093.0	2061.1	2055.5	2004.4	1975.6	2065.7
45°	1933.1	1961.4	2056.6	2194.2	2293.9	2309.6	2254.4	2183.1	2021.6	1945.7	2039.9
47.5°	2077.8	2104.6	2199.3	2364.7	2513.0	2519.1	2422.9	2308.1	2072.8	1980.1	2059.6
50°	2126.4	2143.1	2225.1	2419.4	2692.7	2739.2	2600.0	2448.7	2175.5	2081.4	2155.7
52.5°	1959.4	1966.0	2037.3	2233.7	2656.2	2955.3	2858.6	2658.7	2358.2	2235.7	2304.0
55°	1552.5	1541.9	1599.6	1779.8	2308.6	2911.3	3092.9	2988.7	2593.5	2416.9	2496.8
57.5°	1086.0	1073.3	1060.2	1182.1	1722.6	2468.0	2850.0	3034.7	2817.6	2596.5	2704.8
60°	892.7	880.5	816.8	760.6	1041.4	1772.2	2189.1	2536.8	2799.4	2587.4	2698.2
62.5°	771.2	764.1	738.3	661.9	612.8	1011.6	1370.9	1703.8	2148.2	2031.8	2037.8
65°	605.7	603.7	621.4	629.5	542.0	559.7	699.4	885.6	1161.4	1095.1	1038.4
67.5°	413.9	409.4	442.8	544.5	521.2	441.8	409.4	412.9	502.5	307.2	243.9
70°	263.1	252.5	253.0	337.5	424.1	348.7	315.8	277.8	250.0	45.5	51.6
72.5°	168.5	161.9	139.2	152.3	196.3	170.0	171.5	147.8	98.7	24.3	28.3
75°	70.8	65.3	50.1	40.0	39.5	24.8	21.8	20.2	13.7	13.7	14.7
77.5°	0.5	0.0	0.0	0.5	1.0	0.5	0.5	1.0	2.0	3.0	3.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
82.5°	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
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P631869

CATALOG NUMBER: GWS-SA2B-750-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4	1454.4
2.5°	1462.5	1450.3	1464.0	1469.0	1468.5	1469.0	1454.4	1444.2	1443.7	1431.1	1425.0
5°	1468.0	1458.4	1468.5	1462.0	1446.3	1426.5	1400.2	1377.4	1367.3	1352.7	1345.6
7.5°	1478.7	1468.5	1467.0	1440.7	1401.7	1360.2	1313.7	1272.2	1249.9	1223.1	1224.6
10°	1486.2	1474.6	1454.9	1401.2	1336.5	1270.2	1200.8	1139.1	1100.1	1064.2	1058.1
12.5°	1489.3	1472.1	1426.0	1345.1	1254.0	1167.4	1065.7	977.7	916.9	869.9	863.3
15°	1494.9	1467.0	1389.1	1277.3	1152.3	1029.8	900.2	779.8	699.4	645.2	649.8
17.5°	1503.5	1461.5	1347.6	1201.3	1043.0	869.9	694.8	556.6	482.8	451.4	451.9
20°	1515.6	1454.9	1302.0	1117.8	911.9	689.2	485.8	381.6	360.8	359.8	358.3
22.5°	1531.8	1448.3	1253.5	1026.3	756.5	482.8	323.4	291.0	299.6	316.3	319.3
25°	1551.0	1440.2	1199.3	923.0	587.0	316.8	242.4	237.3	258.1	280.3	285.4
27.5°	1580.9	1436.1	1137.6	805.6	411.9	227.2	198.4	201.4	220.1	238.9	243.4
30°	1631.5	1443.7	1070.3	674.0	264.7	181.2	172.1	176.6	186.7	196.3	200.4
32.5°	1700.3	1466.0	1005.0	530.3	188.8	157.4	155.4	157.9	161.9	167.5	169.0
35°	1780.8	1504.5	937.7	379.5	155.9	143.7	141.7	141.7	143.7	144.7	145.2
37.5°	1847.1	1544.9	874.4	252.5	139.7	133.1	130.1	128.5	128.0	129.0	129.5
40°	1875.9	1561.6	805.6	183.7	128.0	123.5	118.9	114.4	114.4	117.9	118.4
42.5°	1855.7	1542.9	726.2	151.8	119.9	113.4	106.3	102.2	104.2	107.8	108.8
45°	1812.6	1496.9	638.6	134.1	111.8	103.2	95.1	92.6	94.6	99.2	100.2
47.5°	1805.6	1466.5	533.9	122.5	103.2	94.6	86.0	83.5	86.0	89.6	90.6
50°	1875.9	1492.8	417.5	112.3	95.1	85.5	78.4	75.9	77.4	79.4	80.5
52.5°	2004.4	1590.5	337.0	102.7	85.5	76.4	71.9	68.8	68.8	70.8	71.4
55°	2194.2	1761.0	291.0	91.6	74.4	69.3	65.3	62.2	62.2	63.3	63.8
57.5°	2412.8	1967.5	301.6	76.9	65.3	62.7	59.2	56.7	57.7	57.7	57.7
60°	2382.4	1952.3	322.9	64.8	57.7	56.7	53.6	52.6	55.2	53.1	52.1
62.5°	1755.0	1348.6	169.0	53.1	49.6	48.6	46.6	48.6	52.1	46.6	44.5
65°	852.2	652.8	67.8	43.5	42.0	41.0	40.0	43.0	45.0	36.4	34.4
67.5°	200.4	162.9	44.0	36.9	34.9	32.9	33.9	34.4	32.9	24.8	23.8
70°	52.1	51.1	34.4	30.9	27.8	25.8	25.8	25.3	21.8	15.7	14.7
72.5°	28.3	27.8	24.8	23.3	19.2	17.2	17.7	15.7	12.1	9.1	8.6
75°	14.2	15.2	14.2	13.2	10.6	9.6	9.6	8.6	6.1	3.5	3.5
77.5°	3.0	3.5	3.5	3.0	2.5	2.0	2.0	2.5	1.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	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
85°	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
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)