

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: P634069

Luminaire Tested: GWS-SA3B-722-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634069  
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-SA3B-722-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

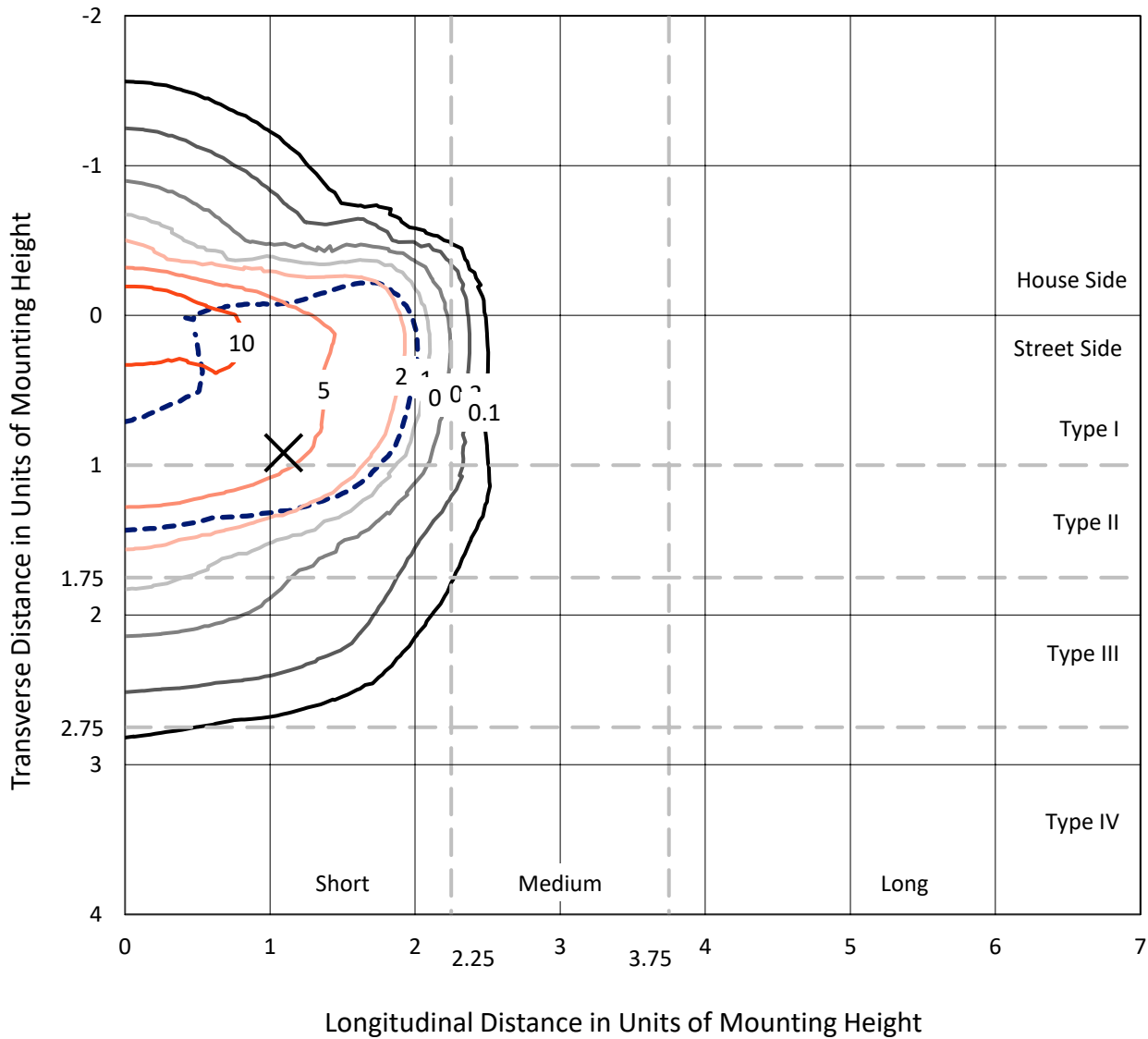
Lumens per Lamp: N/A  
Luminaire Lumens: 4498.9 lumens  
Efficiency: N/A  
Efficacy: 65.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

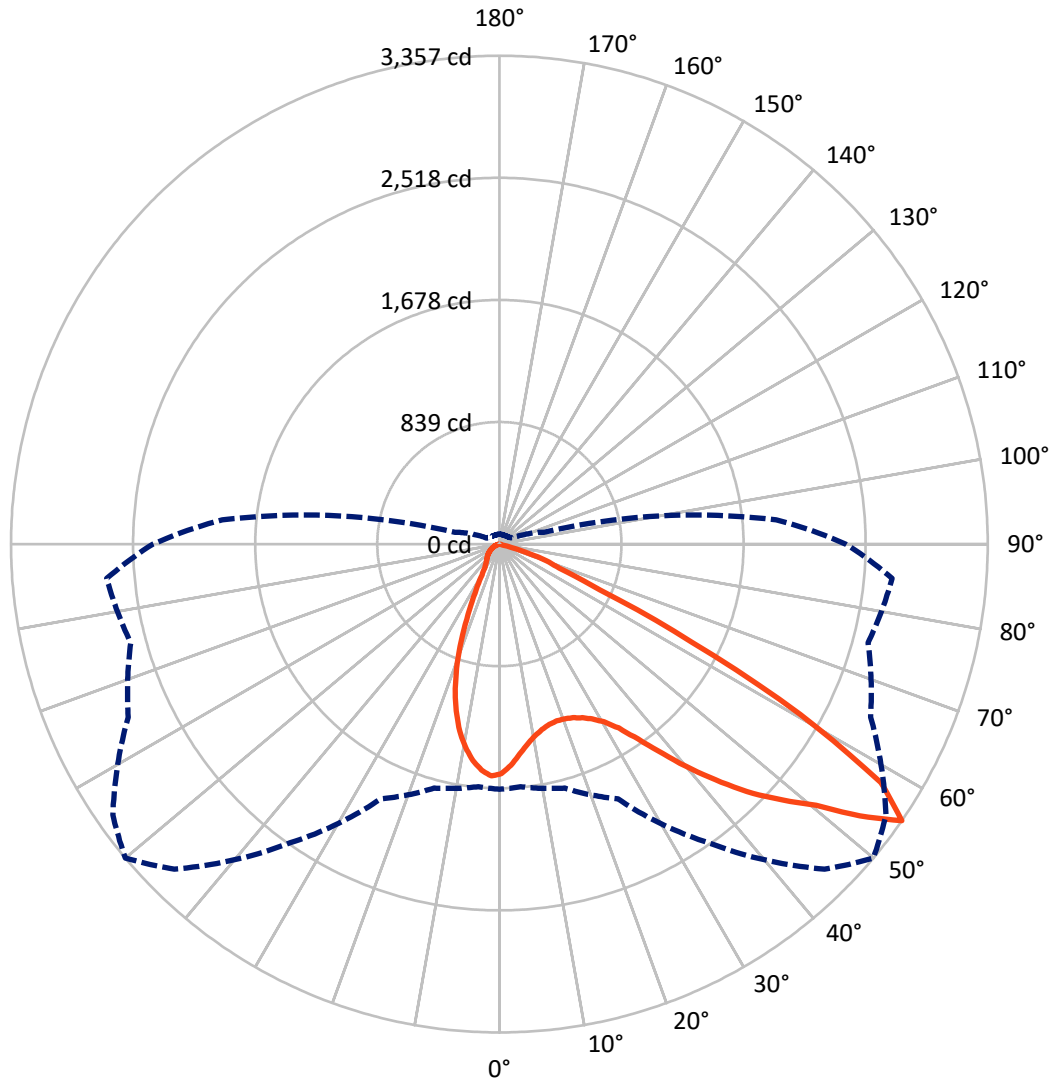
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	886.5	0.0	886.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	3612.4	0.0	3612.4
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	4498.9	0.0	4498.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.6	3.1
10°-20°	341.1	7.6
20°-30°	481.2	10.7
30°-40°	712.0	15.8
40°-50°	1027.2	22.8
50°-60°	1211.7	26.9
60°-70°	540.5	12.0
70°-80°	46.5	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°	4498.9	100.0
0°-180°	4498.9	100.0

**Coefficient of Utilization**



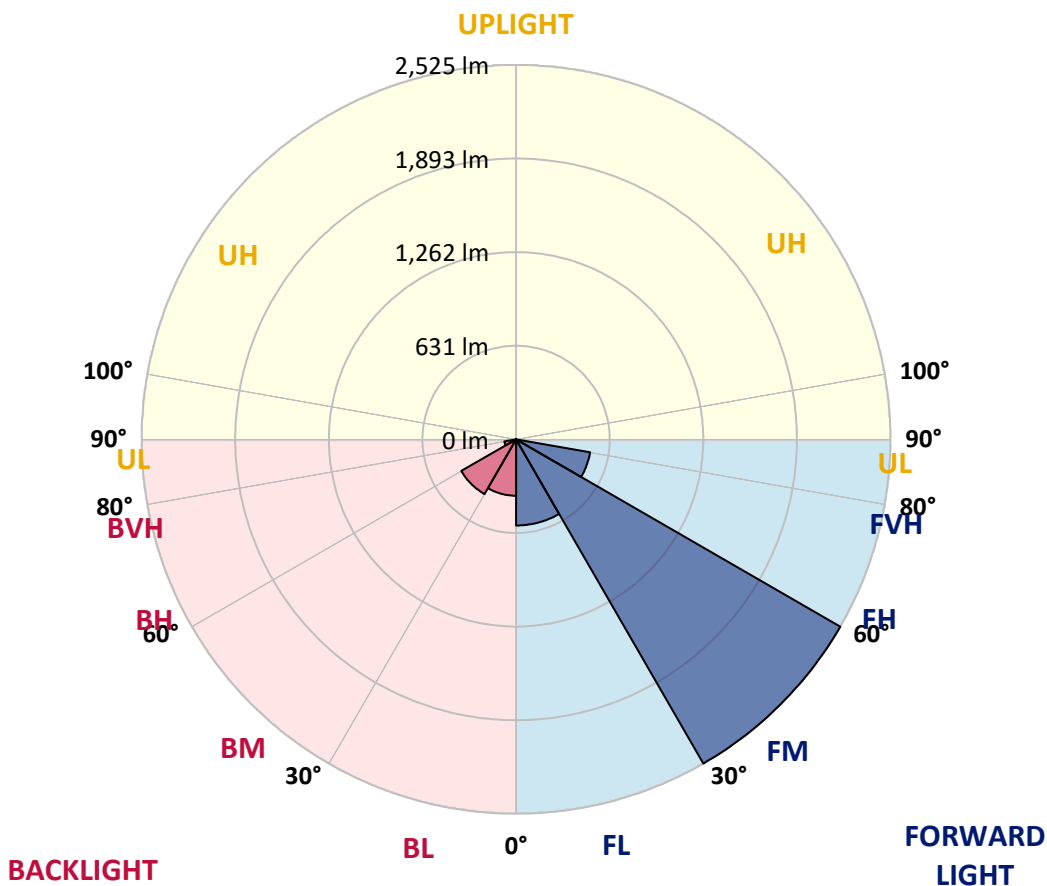
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	580.8	12.9			
FM (30°-60°)	2524.6	56.1			
FH (60°-80°)	506.9	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	380.1	8.4	B1/500		
BM (30°-60°)	426.3	9.5	B1/1000		
BH (60°-80°)	80.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5
2.5°	1466.4	1467.5	1468.1	1482.9	1488.4	1510.4	1521.9	1527.9	1543.9	1562.5	1577.9
5°	1368.1	1366.5	1369.2	1387.9	1400.0	1432.4	1449.9	1462.0	1497.2	1541.1	1577.9
7.5°	1282.4	1285.7	1289.0	1309.3	1327.5	1362.6	1387.9	1406.0	1454.9	1520.2	1582.3
10°	1222.0	1222.0	1227.0	1250.0	1271.4	1314.8	1340.1	1363.2	1421.4	1501.6	1587.3
12.5°	1177.5	1178.1	1184.1	1210.5	1235.2	1280.2	1306.6	1329.1	1393.4	1482.9	1588.4
15°	1156.7	1155.0	1160.0	1188.0	1215.4	1257.7	1285.2	1307.1	1373.6	1472.5	1593.8
17.5°	1151.2	1150.1	1153.9	1181.4	1209.4	1250.6	1277.5	1299.5	1370.9	1475.8	1610.3
20°	1167.1	1164.9	1163.3	1186.9	1213.2	1253.9	1281.9	1306.6	1384.0	1493.9	1635.6
22.5°	1205.0	1205.0	1201.1	1212.7	1230.3	1267.1	1296.2	1328.6	1418.6	1530.1	1672.9
25°	1274.7	1269.3	1262.1	1267.1	1264.9	1287.9	1322.5	1367.6	1484.0	1590.0	1718.5
27.5°	1354.4	1359.3	1347.2	1347.8	1328.6	1320.3	1360.4	1428.5	1581.2	1674.6	1786.1
30°	1462.6	1458.7	1459.3	1457.6	1413.1	1374.2	1417.5	1508.2	1703.7	1803.6	1873.9
32.5°	1547.2	1552.7	1570.8	1581.2	1523.0	1460.4	1506.5	1616.4	1843.2	1950.8	1981.6
35°	1636.7	1646.6	1683.4	1717.4	1668.5	1596.6	1646.0	1759.7	1974.5	2096.4	2105.2
37.5°	1731.1	1750.9	1794.9	1854.7	1847.0	1783.3	1828.4	1928.3	2077.7	2184.3	2207.3
40°	1839.3	1858.6	1930.5	2016.7	2034.9	2020.6	2035.4	2093.6	2145.8	2188.1	2251.3
42.5°	1958.0	1984.3	2075.5	2190.8	2259.0	2271.6	2237.0	2230.9	2175.5	2144.2	2241.9
45°	2098.0	2128.8	2232.0	2381.4	2489.6	2506.6	2446.8	2369.3	2194.1	2111.8	2213.9
47.5°	2255.1	2284.2	2386.9	2566.5	2727.4	2734.0	2629.7	2505.0	2249.6	2149.1	2235.3
50°	2307.8	2326.0	2414.9	2625.8	2922.4	2972.9	2821.9	2657.7	2361.1	2259.0	2339.7
52.5°	2126.6	2133.7	2211.2	2424.3	2882.9	3207.5	3102.6	2885.6	2559.4	2426.5	2500.6
55°	1685.0	1673.5	1736.1	1931.6	2505.6	3159.7	3356.8	3243.7	2814.8	2623.1	2709.9
57.5°	1178.6	1164.9	1150.6	1283.0	1869.6	2678.6	3093.2	3293.7	3058.1	2818.1	2935.6
60°	968.8	955.6	886.4	825.5	1130.3	1923.4	2375.9	2753.3	3038.3	2808.2	2928.5
62.5°	837.0	829.3	801.3	718.4	665.1	1097.9	1487.8	1849.2	2331.4	2205.1	2211.7
65°	657.4	655.2	674.4	683.2	588.2	607.4	759.0	961.1	1260.5	1188.5	1127.0
67.5°	449.3	444.3	480.6	591.0	565.7	479.5	444.3	448.2	545.4	333.4	264.7
70°	285.6	274.1	274.6	366.3	460.2	378.4	342.7	301.5	271.3	49.4	56.0
72.5°	182.9	175.8	151.0	165.3	213.1	184.5	186.2	160.4	107.1	26.4	30.8
75°	76.9	70.8	54.4	43.4	42.8	26.9	23.6	22.0	14.8	14.8	15.9
77.5°	0.5	0.0	0.0	0.5	1.1	0.5	0.5	1.1	2.2	3.3	3.8
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5	1578.5
2.5°	1587.3	1574.1	1588.9	1594.4	1593.8	1594.4	1578.5	1567.5	1566.9	1553.2	1546.6
5°	1593.3	1582.9	1593.8	1586.7	1569.7	1548.3	1519.7	1495.0	1484.0	1468.1	1460.4
7.5°	1604.8	1593.8	1592.2	1563.6	1521.3	1476.3	1425.8	1380.7	1356.6	1327.5	1329.1
10°	1613.1	1600.4	1579.0	1520.8	1450.5	1378.5	1303.3	1236.3	1194.0	1155.0	1148.4
12.5°	1616.4	1597.7	1547.7	1459.8	1361.0	1267.1	1156.7	1061.1	995.2	944.1	937.0
15°	1622.4	1592.2	1507.6	1386.2	1250.6	1117.7	977.1	846.4	759.0	700.3	705.2
17.5°	1631.7	1586.2	1462.6	1303.9	1131.9	944.1	754.1	604.1	524.0	489.9	490.5
20°	1644.9	1579.0	1413.1	1213.2	989.7	748.0	527.3	414.1	391.6	390.5	388.8
22.5°	1662.5	1571.9	1360.4	1113.8	821.1	524.0	351.0	315.8	325.1	343.3	346.6
25°	1683.4	1563.1	1301.7	1001.8	637.1	343.8	263.1	257.6	280.1	304.3	309.8
27.5°	1715.8	1558.7	1234.7	874.4	447.1	246.6	215.3	218.6	238.9	259.2	264.2
30°	1770.7	1566.9	1161.6	731.6	287.2	196.6	186.7	191.7	202.7	213.1	217.5
32.5°	1845.4	1591.1	1090.8	575.6	204.9	170.8	168.6	171.4	175.8	181.8	183.4
35°	1932.7	1632.8	1017.7	411.9	169.2	156.0	153.8	153.8	156.0	157.1	157.6
37.5°	2004.7	1676.8	949.1	274.1	151.6	144.4	141.2	139.5	139.0	140.1	140.6
40°	2036.0	1694.9	874.4	199.4	139.0	134.0	129.1	124.1	124.1	128.0	128.5
42.5°	2014.0	1674.6	788.1	164.8	130.2	123.0	115.3	110.9	113.1	117.0	118.1
45°	1967.3	1624.6	693.1	145.5	121.4	112.0	103.3	100.5	102.7	107.6	108.7
47.5°	1959.6	1591.6	579.4	132.9	112.0	102.7	93.4	90.6	93.4	97.2	98.3
50°	2036.0	1620.2	453.1	121.9	103.3	92.8	85.1	82.4	84.0	86.2	87.3
52.5°	2175.5	1726.2	365.8	111.5	92.8	82.9	78.0	74.7	74.7	76.9	77.4
55°	2381.4	1911.3	315.8	99.4	80.7	75.2	70.8	67.6	67.6	68.7	69.2
57.5°	2618.7	2135.4	327.3	83.5	70.8	68.1	64.3	61.5	62.6	62.6	62.6
60°	2585.7	2118.9	350.4	70.3	62.6	61.5	58.2	57.1	59.9	57.7	56.6
62.5°	1904.7	1463.7	183.4	57.7	53.8	52.7	50.5	52.7	56.6	50.5	48.3
65°	924.9	708.5	73.6	47.2	45.6	44.5	43.4	46.7	48.9	39.5	37.3
67.5°	217.5	176.8	47.8	40.1	37.9	35.7	36.8	37.3	35.7	26.9	25.8
70°	56.6	55.5	37.3	33.5	30.2	28.0	28.0	27.5	23.6	17.0	15.9
72.5°	30.8	30.2	26.9	25.3	20.9	18.7	19.2	17.0	13.2	9.9	9.3
75°	15.4	16.5	15.4	14.3	11.5	10.4	10.4	9.3	6.6	3.8	3.8
77.5°	3.3	3.8	3.8	3.3	2.7	2.2	2.2	2.7	1.1	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)