

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: P633106

Luminaire Tested: GWS-SA2E-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633106  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

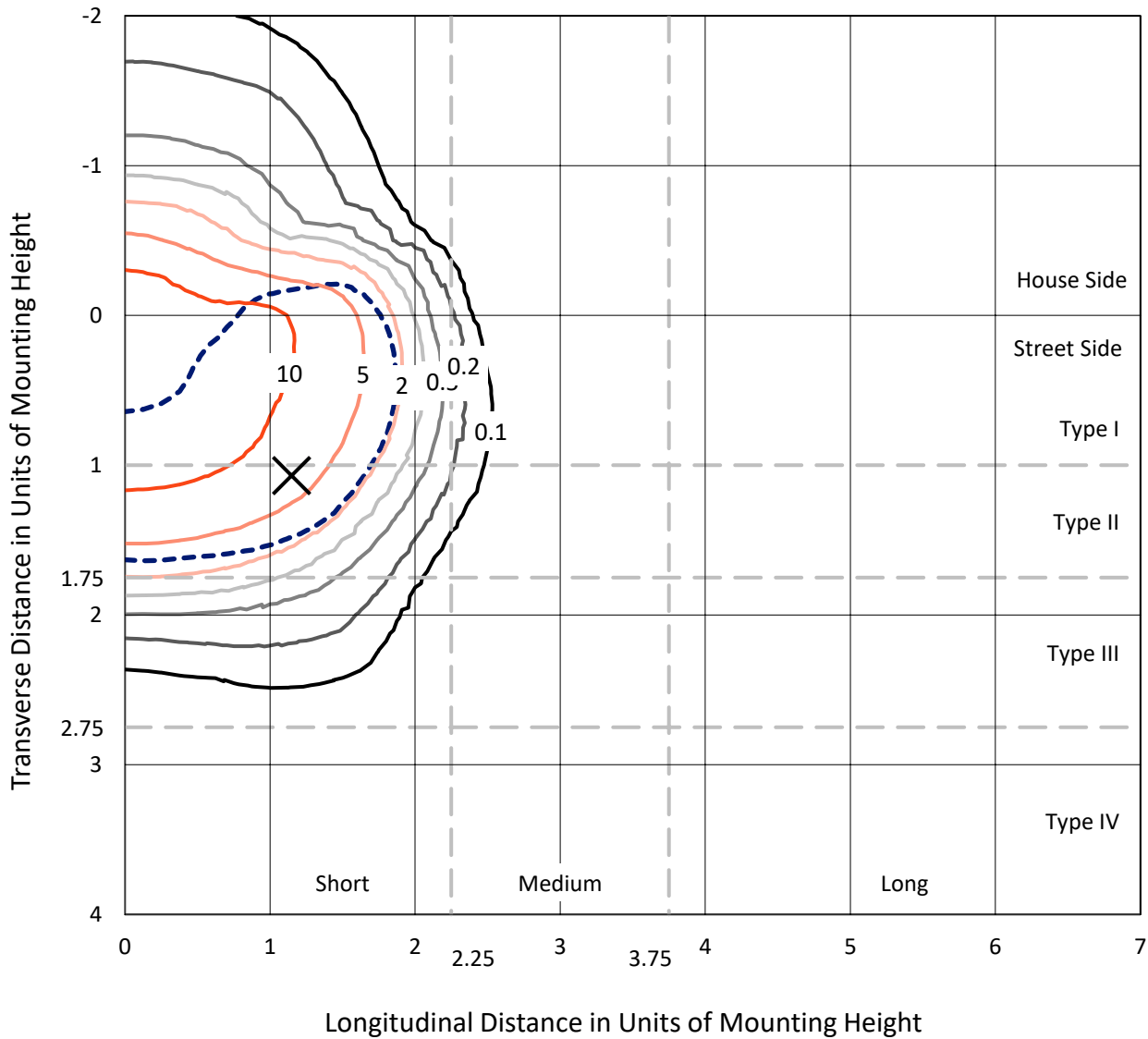
Lumens per Lamp: N/A  
Luminaire Lumens: 6636.8 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P633106  
 CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

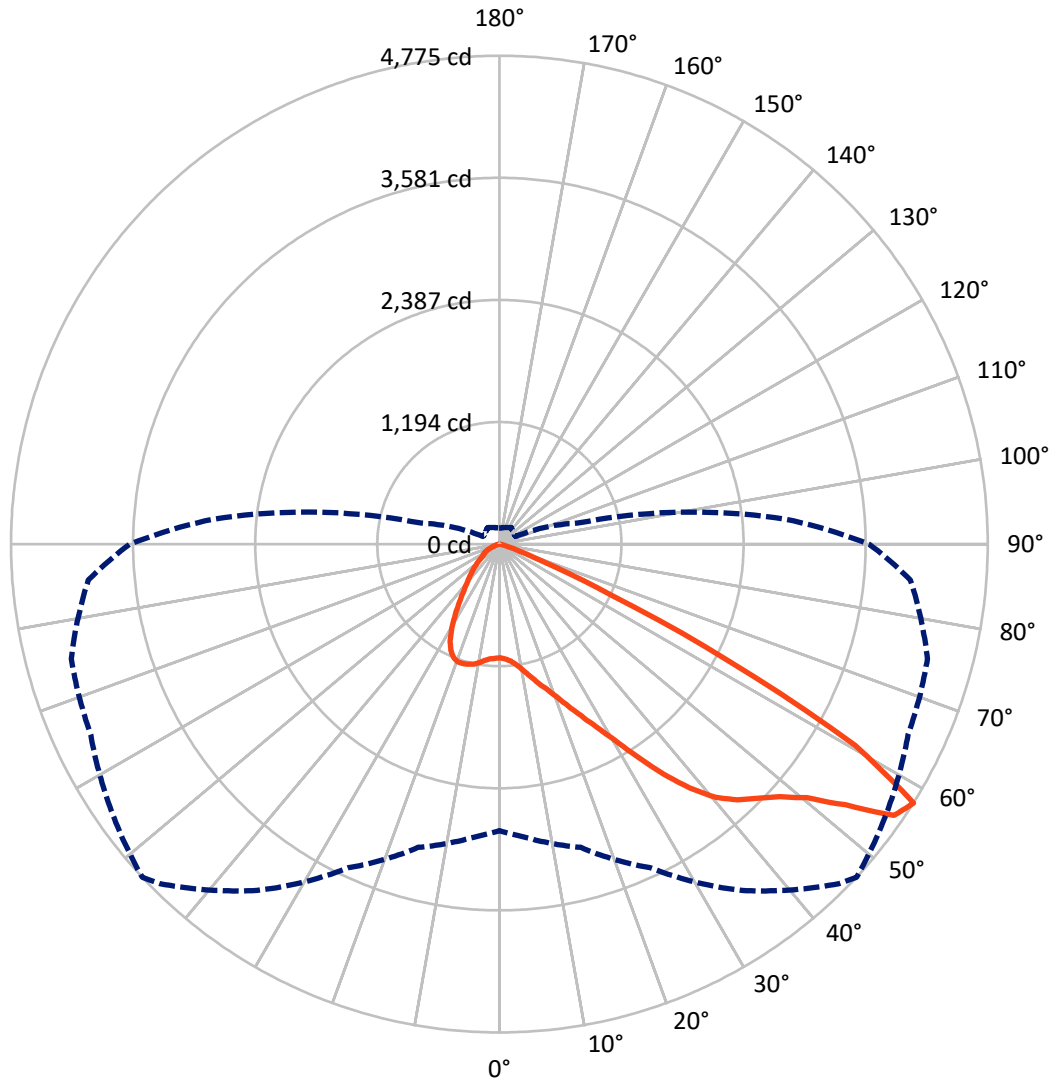
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P633106  
CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633106

CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1439.8	0.0	1439.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5197.0	0.0	5197.0
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6636.8	0.0	6636.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.5	1.7
10°-20°	373.0	5.6
20°-30°	692.5	10.4
30°-40°	1108.6	16.7
40°-50°	1620.5	24.4
50°-60°	1999.9	30.1
60°-70°	668.3	10.1
70°-80°	62.3	0.9
80°-90°	1.3	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°	6636.8	100.0
0°-180°	6636.8	100.0

**Coefficient of Utilization**



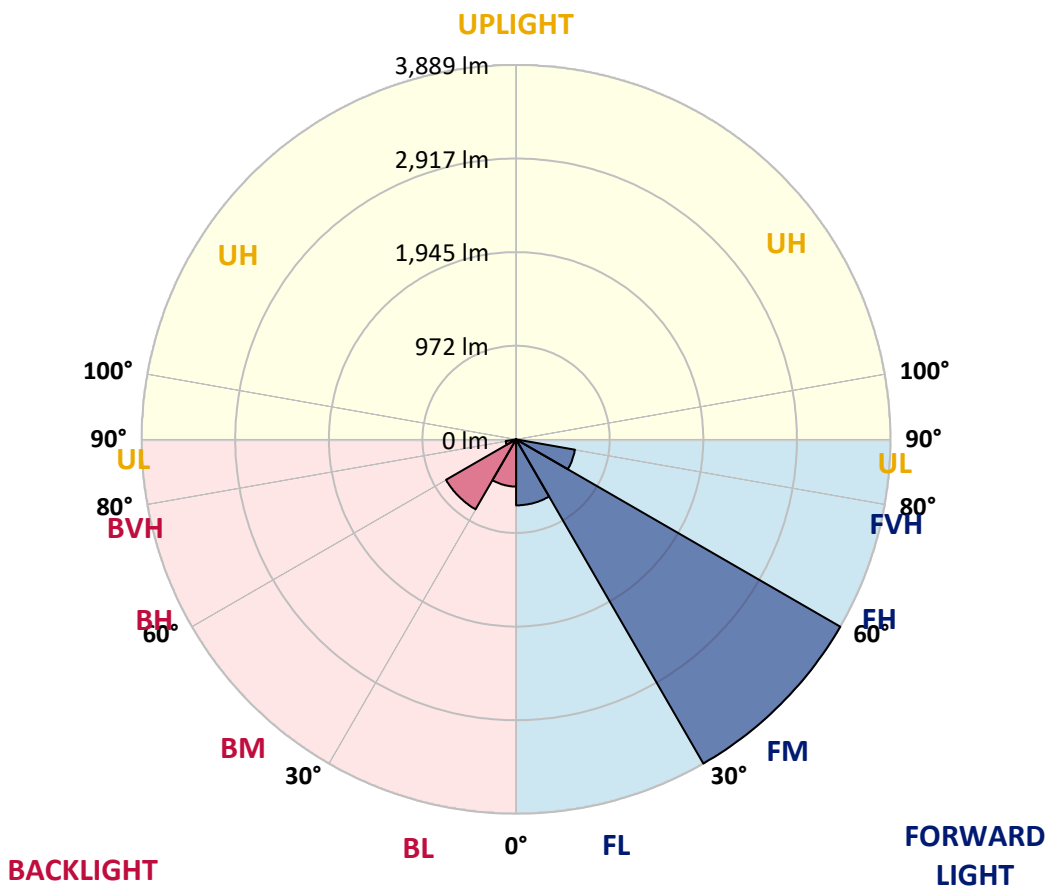
REPORT NUMBER: P633106

CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	685.9	10.3			
FM (30°-60°)	3889.1	58.6			
FH (60°-80°)	621.1	9.4			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	490.1	7.4	B1/500		
BM (30°-60°)	839.9	12.7	B1/1000		
BH (60°-80°)	109.5	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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: P633106

CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0
2.5°	1122.6	1121.8	1121.0	1125.6	1124.1	1123.3	1124.9	1124.9	1124.9	1120.3	1111.0
5°	1149.5	1149.5	1148.8	1153.4	1149.5	1147.2	1148.0	1148.0	1144.9	1136.4	1124.9
7.5°	1191.9	1190.4	1188.8	1193.4	1189.6	1188.8	1190.4	1185.7	1180.3	1166.5	1150.3
10°	1252.8	1252.8	1250.5	1255.1	1252.0	1250.5	1250.5	1247.4	1237.4	1215.8	1191.9
12.5°	1336.8	1332.9	1327.5	1323.7	1322.1	1321.3	1322.1	1317.5	1306.7	1279.0	1245.8
15°	1428.4	1425.4	1416.9	1410.7	1402.2	1400.7	1405.3	1401.5	1390.7	1352.9	1305.9
17.5°	1544.0	1547.9	1526.3	1513.2	1488.5	1487.0	1488.5	1494.7	1487.0	1438.5	1369.9
20°	1642.6	1645.7	1629.5	1620.3	1597.9	1587.9	1591.0	1601.0	1592.5	1535.5	1440.0
22.5°	1748.2	1752.0	1735.1	1715.8	1705.8	1705.8	1717.4	1731.2	1719.7	1644.9	1520.1
25°	1874.5	1877.6	1863.7	1838.3	1820.6	1842.9	1859.9	1896.9	1877.6	1775.9	1614.9
27.5°	2019.4	2020.2	2000.1	1973.9	1964.7	2006.3	2023.2	2080.2	2072.5	1923.1	1715.1
30°	2174.2	2175.0	2170.4	2152.7	2144.2	2198.9	2222.0	2304.5	2299.1	2105.7	1851.4
32.5°	2335.3	2335.3	2343.7	2342.2	2352.2	2441.6	2478.6	2572.6	2567.2	2329.1	2020.9
35°	2497.1	2497.8	2512.5	2549.5	2591.1	2709.7	2758.3	2872.3	2860.0	2596.5	2237.4
37.5°	2681.2	2673.5	2693.5	2749.0	2841.5	2978.6	3024.8	3133.5	3119.6	2870.0	2520.2
40°	2903.1	2889.2	2889.2	2954.0	3058.7	3216.7	3256.0	3309.9	3262.9	3091.1	2797.6
42.5°	3148.1	3135.0	3118.1	3175.1	3262.9	3386.2	3418.5	3403.9	3365.4	3299.9	3113.4
45°	3396.2	3376.2	3387.7	3422.4	3473.2	3531.8	3544.1	3476.3	3458.6	3477.1	3374.6
47.5°	3585.0	3571.1	3599.6	3648.1	3689.7	3698.2	3689.7	3595.8	3594.2	3659.7	3555.7
50°	3648.1	3649.7	3728.3	3834.6	3901.6	3908.6	3897.0	3789.1	3774.5	3793.8	3653.5
52.5°	3654.3	3660.5	3775.3	3977.9	4160.5	4243.7	4234.5	4118.1	3974.8	3954.0	3801.5
55°	3505.6	3541.8	3702.1	3997.9	4386.2	4652.1	4682.9	4460.2	4247.6	4229.8	4119.7
57.5°	2802.2	2876.1	3069.5	3491.0	4134.3	4694.4	4774.6	4614.3	4408.6	4333.1	4034.1
60°	1675.0	1766.7	1952.4	2469.3	3146.6	3858.5	3996.4	4018.7	3924.0	3705.9	3094.9
62.5°	718.8	711.1	940.0	1336.0	1871.5	2452.4	2514.8	2611.9	2694.3	2466.3	1878.4
65°	246.5	268.1	372.9	602.5	936.9	1138.7	1194.2	1281.3	1398.4	1154.2	688.0
67.5°	152.6	161.8	215.0	356.0	505.4	497.7	473.1	459.2	446.9	305.9	188.8
70°	110.9	118.7	151.0	245.0	339.8	238.8	207.3	168.0	186.5	171.8	134.1
72.5°	74.7	80.9	104.0	148.7	174.1	116.3	107.9	122.5	147.9	141.0	109.4
75°	44.7	48.5	59.3	72.4	70.9	60.1	60.9	86.3	113.3	105.6	77.8
77.5°	30.8	32.4	39.3	47.0	34.7	18.5	17.0	23.9	38.5	38.5	26.2
80°	7.7	10.0	10.0	6.2	5.4	4.6	4.6	6.9	10.8	7.7	3.9
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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: P633106  
 CATALOG NUMBER: GWS-SA2E-722-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0	1111.0
2.5°	1116.4	1107.2	1113.3	1111.8	1116.4	1117.9	1111.0	1109.5	1110.2	1101.0	1097.9
5°	1127.2	1116.4	1119.5	1116.4	1121.8	1126.4	1124.1	1127.2	1131.0	1124.1	1121.0
7.5°	1150.3	1139.5	1138.7	1134.1	1141.8	1144.9	1144.1	1152.6	1160.3	1155.7	1151.1
10°	1190.4	1175.7	1174.2	1170.3	1172.6	1175.0	1166.5	1168.0	1175.0	1169.6	1167.3
12.5°	1239.7	1222.0	1218.1	1208.9	1208.9	1197.3	1178.8	1175.0	1180.3	1176.5	1172.6
15°	1292.8	1269.0	1262.8	1246.6	1231.2	1209.6	1190.4	1185.7	1189.6	1185.0	1181.9
17.5°	1352.2	1325.2	1305.2	1276.7	1242.8	1217.3	1195.8	1185.7	1179.6	1170.3	1169.6
20°	1410.7	1375.3	1341.4	1295.9	1251.2	1212.7	1177.3	1151.1	1128.7	1114.9	1109.5
22.5°	1478.5	1426.1	1371.4	1307.5	1243.5	1185.0	1122.6	1077.9	1039.4	1026.3	1020.1
25°	1550.9	1483.1	1401.5	1318.3	1217.3	1123.3	1038.6	972.3	921.5	904.5	897.6
27.5°	1631.1	1537.8	1432.3	1316.0	1163.4	1035.5	923.0	840.6	790.5	775.1	780.5
30°	1732.8	1608.7	1470.8	1292.1	1082.5	912.2	780.5	711.1	673.4	658.7	659.5
32.5°	1868.4	1710.4	1527.1	1241.2	978.5	772.0	656.4	605.6	580.2	560.9	559.4
35°	2062.5	1865.3	1579.4	1159.5	852.1	647.2	563.2	523.1	487.7	465.4	469.2
37.5°	2295.2	2060.2	1608.0	1049.4	710.4	550.1	493.1	452.3	412.2	379.1	382.9
40°	2571.0	2315.2	1605.6	904.5	580.9	483.9	434.5	386.8	336.7	306.6	309.7
42.5°	2878.4	2556.4	1555.6	751.2	481.5	429.9	378.3	318.2	269.7	251.2	251.9
45°	3145.0	2752.1	1467.7	592.5	405.3	377.5	319.7	258.1	236.5	223.4	222.7
47.5°	3342.3	2895.4	1342.1	466.1	343.6	329.8	262.7	231.1	214.2	203.4	201.9
50°	3452.4	2945.5	1203.5	365.2	290.5	279.7	235.0	209.6	198.0	191.1	189.5
52.5°	3600.4	3005.6	1104.1	288.2	243.5	228.8	216.5	194.9	187.2	181.8	179.5
55°	3834.6	3121.9	1017.8	228.8	202.6	199.5	204.2	186.5	181.8	173.4	170.3
57.5°	3614.2	2804.5	790.5	177.2	171.0	182.6	197.2	178.0	166.4	158.7	155.6
60°	2543.3	1864.5	397.6	142.5	152.6	171.0	185.7	161.0	149.5	151.0	149.5
62.5°	1402.2	933.0	178.7	119.4	132.5	151.0	158.7	139.5	131.7	144.8	147.2
65°	458.4	317.4	103.2	92.5	104.8	123.3	137.1	132.5	131.0	146.4	151.0
67.5°	141.0	104.8	70.1	66.3	72.4	90.9	115.6	143.3	154.1	158.7	161.0
70°	105.6	82.4	60.1	56.2	59.3	69.3	97.8	119.4	112.5	113.3	111.7
72.5°	84.8	65.5	51.6	49.3	49.3	47.8	51.6	64.7	73.2	77.0	77.0
75°	59.3	46.2	39.3	36.2	28.5	23.1	20.8	20.8	18.5	17.7	17.0
77.5°	20.0	17.0	15.4	12.3	8.5	6.9	6.2	5.4	3.9	2.3	1.5
80°	3.1	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	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)