

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: P629169

Luminaire Tested: GWS-SA1B-727-U-AFL-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-727-U-AFL-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

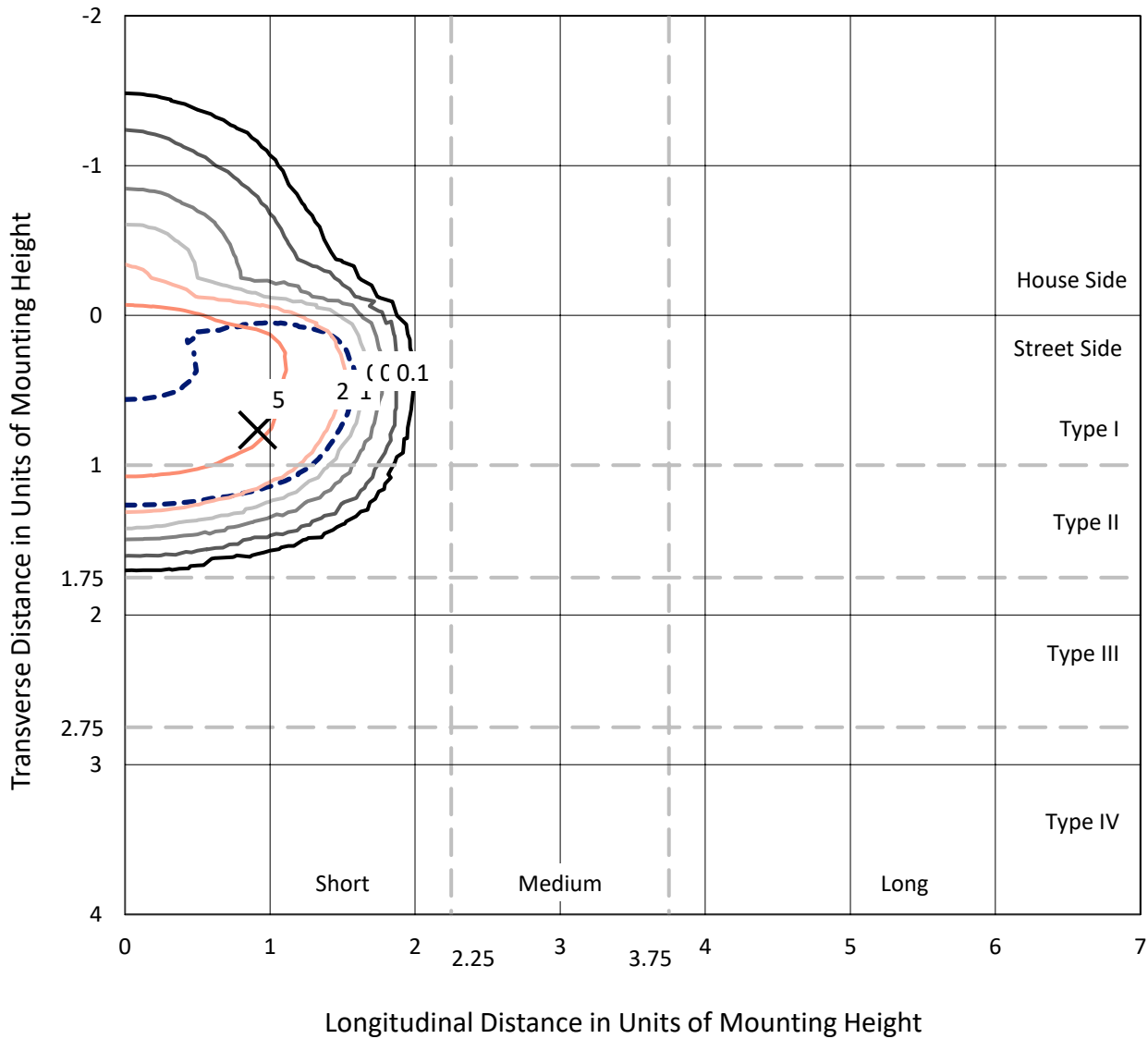
Lumens per Lamp: N/A  
Luminaire Lumens: 2257.4 lumens  
Efficiency: N/A  
Efficacy: 90.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P629169  
 CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

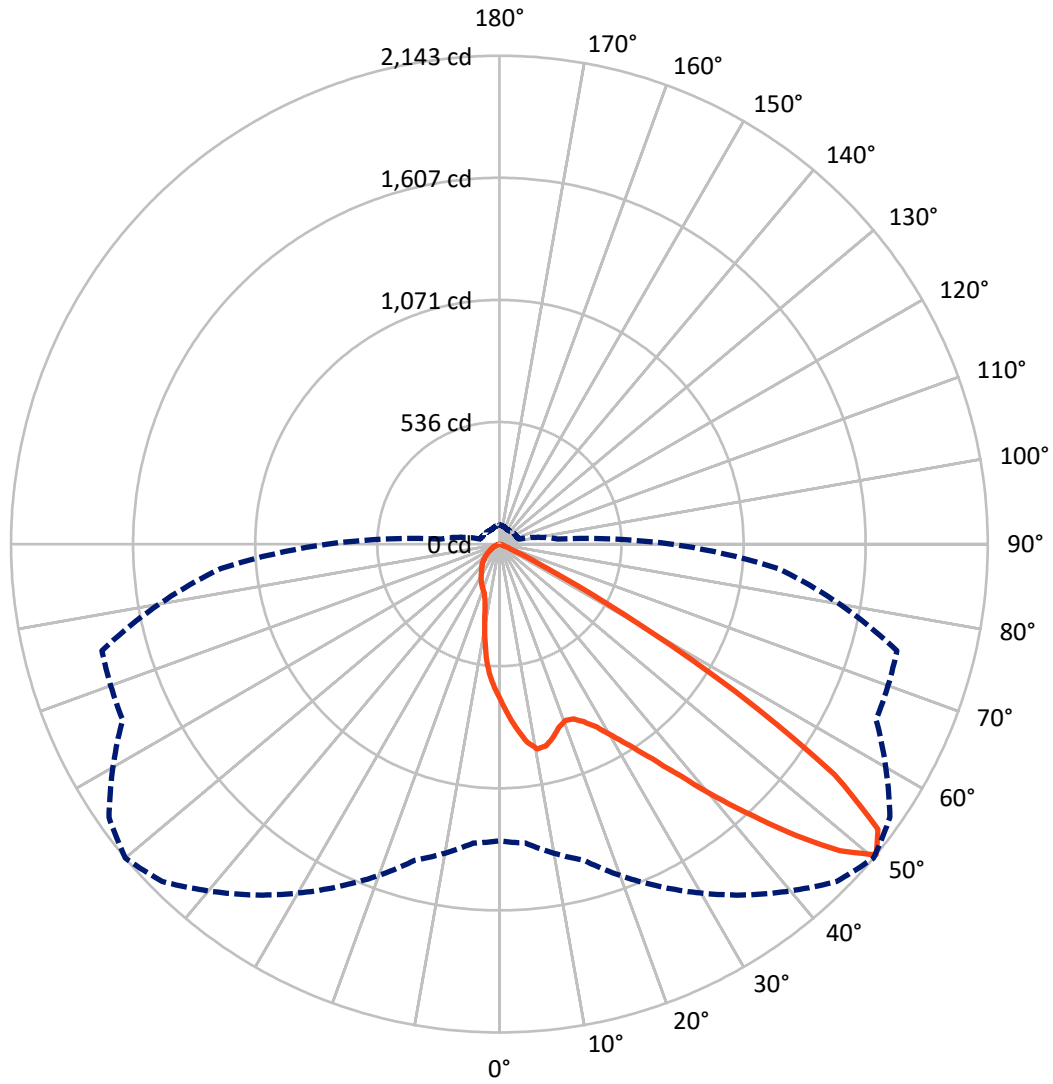
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P629169  
CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629169  
 CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

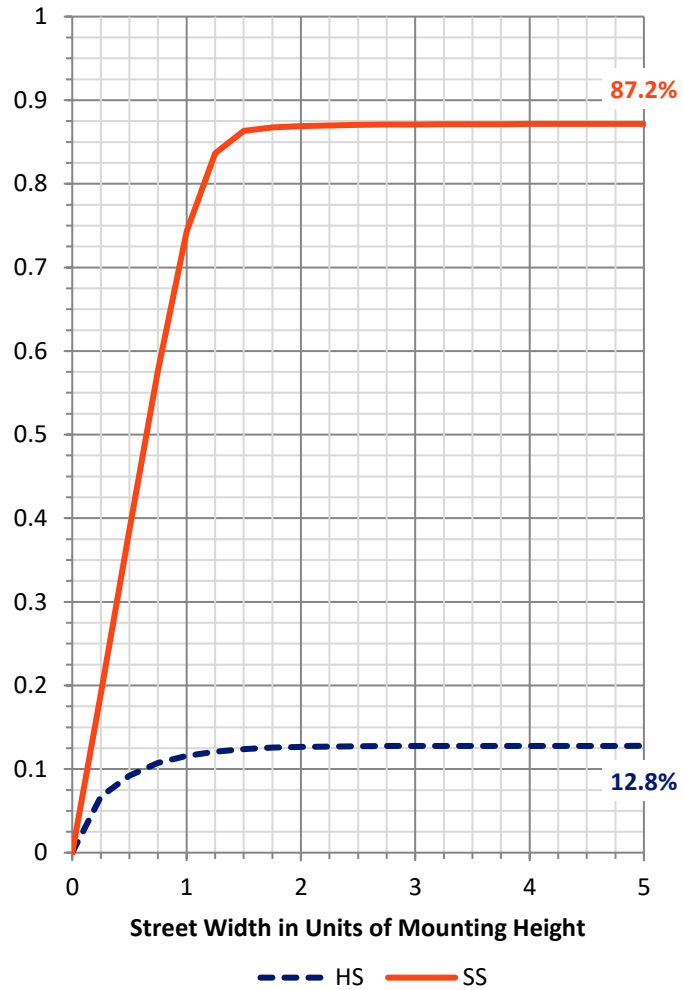
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	290.1	0.0	290.1
	% Fixture	12.8	0.0	12.8
<b>Street Side</b>	Lumens	1967.4	0.0	1967.4
	% Fixture	87.2	0.0	87.2
<b>Total</b>	Lumens	2257.4	0.0	2257.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.4	2.8
10°-20°	163.7	7.3
20°-30°	270.1	12.0
30°-40°	445.8	19.7
40°-50°	705.3	31.2
50°-60°	534.0	23.7
60°-70°	66.8	3.0
70°-80°	7.6	0.3
80°-90°	0.6	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°	2257.4	100.0
0°-180°	2257.4	100.0

**Coefficient of Utilization**



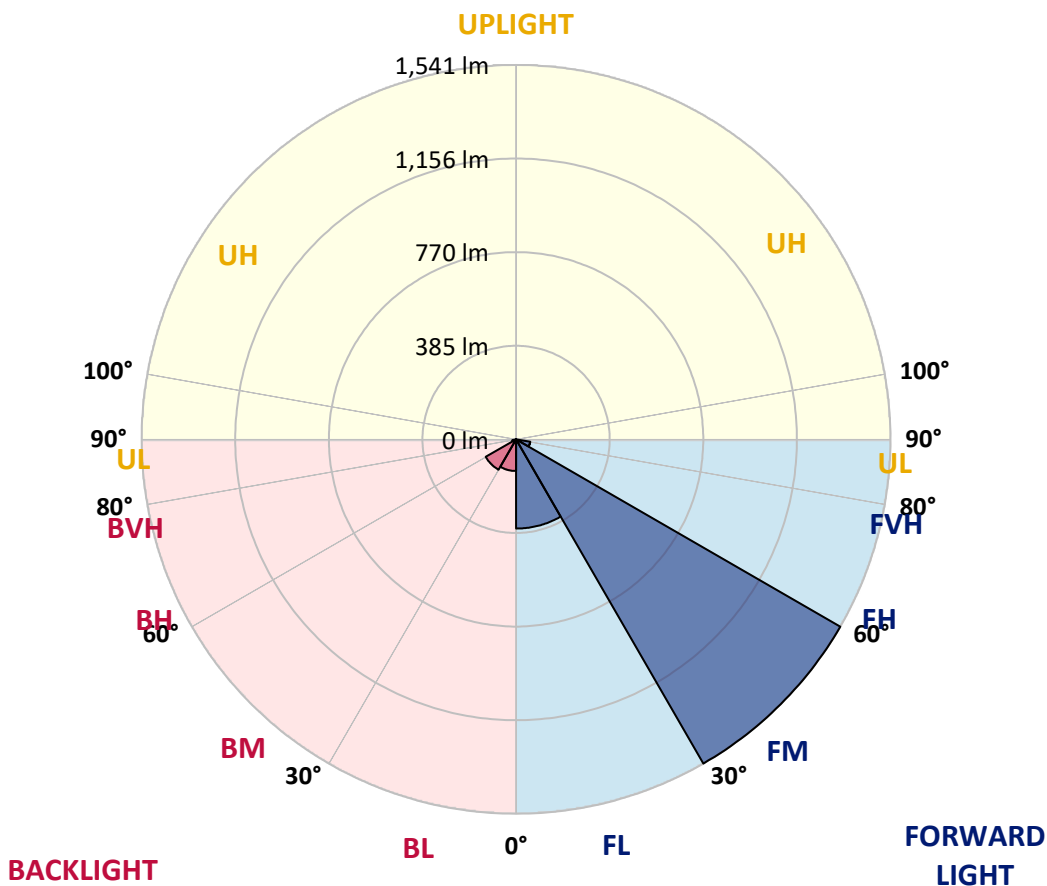
REPORT NUMBER: P629169

CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.1	16.3			
FM (30°-60°)	1540.9	68.3			
FH (60°-80°)	59.1	2.6			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	130.2	5.8	B1/500		
BM (30°-60°)	144.2	6.4	B0/220		
BH (60°-80°)	15.3	0.7	B0/110		G0/110
BVH (80°-90°)	0.3	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: P629169

CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9
2.5°	779.3	785.5	783.8	775.6	766.8	760.6	750.9	747.9	726.0	710.8	694.6
5°	873.4	875.3	873.2	863.3	847.8	833.0	817.1	807.9	771.1	738.0	704.3
7.5°	896.0	893.6	897.7	902.6	900.5	894.0	877.3	867.2	823.3	769.4	718.3
10°	825.5	820.1	835.4	860.9	887.8	918.1	913.8	914.7	874.3	809.0	736.5
12.5°	732.0	729.9	741.3	770.9	823.6	892.3	908.9	936.6	920.9	851.7	757.4
15°	691.0	692.1	698.9	717.6	755.5	841.0	880.7	930.8	962.6	893.2	780.4
17.5°	697.2	701.1	700.9	707.1	730.1	798.6	845.0	912.5	994.8	940.9	806.8
20°	739.6	743.4	737.6	732.9	740.6	787.9	826.4	894.0	1016.5	989.0	834.7
22.5°	802.9	807.4	793.7	780.2	775.2	805.5	833.4	886.5	1033.1	1033.1	859.7
25°	879.6	885.9	864.6	840.5	826.8	842.7	863.7	903.5	1050.0	1072.6	876.6
27.5°	965.4	965.6	947.3	920.2	894.5	896.4	909.1	941.7	1068.7	1115.1	890.0
30°	1061.8	1062.5	1038.2	1005.8	973.3	964.5	975.3	1000.0	1107.6	1168.6	908.4
32.5°	1186.5	1189.5	1154.7	1107.0	1064.9	1048.3	1054.5	1080.5	1169.5	1235.7	936.1
35°	1354.9	1358.1	1306.8	1243.8	1176.8	1151.9	1158.1	1184.3	1259.1	1330.8	980.4
37.5°	1521.2	1525.5	1473.5	1414.9	1322.9	1281.6	1288.1	1313.0	1393.6	1462.3	1051.3
40°	1636.2	1642.0	1625.9	1586.3	1501.0	1446.9	1454.6	1463.6	1541.6	1619.6	1143.3
42.5°	1696.8	1704.9	1711.8	1732.0	1687.1	1641.8	1628.6	1629.3	1692.2	1779.9	1238.9
45°	1700.4	1708.4	1743.6	1821.6	1855.8	1846.3	1822.5	1806.3	1807.2	1886.7	1298.6
47.5°	1582.2	1597.1	1663.0	1815.8	1944.3	2022.7	2010.7	1972.4	1855.5	1893.8	1292.2
50°	1302.3	1316.9	1436.8	1656.6	1879.8	2093.2	2142.8	2091.5	1824.0	1805.5	1225.8
52.5°	945.8	947.3	1025.1	1281.9	1618.5	1963.2	2080.1	2075.1	1775.8	1698.5	1135.1
55°	449.3	443.9	531.4	723.4	1119.4	1587.8	1784.9	1840.7	1707.5	1621.1	1064.9
57.5°	130.9	133.4	172.3	282.3	559.9	1014.8	1222.3	1326.3	1401.5	1332.8	825.9
60°	58.7	58.9	65.5	85.9	186.5	472.0	631.9	760.6	838.0	776.5	409.7
62.5°	42.5	42.8	45.3	48.6	63.4	159.9	237.0	315.8	321.6	210.6	103.8
65°	35.5	35.5	35.9	35.9	38.0	57.2	72.0	92.8	78.2	58.0	40.6
67.5°	28.6	28.8	29.2	29.2	28.6	28.6	30.9	33.9	36.3	44.9	37.4
70°	22.3	22.1	22.1	22.3	21.7	18.5	20.0	22.8	24.9	35.0	32.4
72.5°	17.4	17.6	17.4	16.5	15.0	11.0	11.8	14.8	15.9	21.9	21.9
75°	13.1	13.3	12.5	9.5	6.2	3.4	4.5	7.3	9.2	10.7	7.9
77.5°	1.7	1.7	1.3	1.3	1.1	1.3	1.3	1.7	2.6	2.6	1.9
80°	0.2	0.2	0.2	0.4	0.6	0.9	0.9	0.9	0.9	1.1	1.1
82.5°	0.2	0.2	0.2	0.2	0.6	0.6	0.9	0.9	0.9	0.9	0.9
85°	0.0	0.0	0.0	0.2	0.4	0.6	0.6	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.2	0.4	0.6	0.6	0.6	0.9	0.9	0.9
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: P629169  
 CATALOG NUMBER: GWS-SA1B-727-U-AFL-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9	683.9
2.5°	685.0	672.5	657.5	647.2	632.6	622.9	609.1	599.9	591.9	585.7	589.1
5°	685.2	665.4	634.7	608.5	579.9	553.7	525.5	503.4	483.4	474.4	479.4
7.5°	689.5	661.1	614.1	567.4	512.7	458.5	407.8	366.6	346.1	336.5	339.5
10°	697.9	659.2	591.1	513.7	424.8	350.9	301.7	273.7	262.3	256.3	257.4
12.5°	705.6	657.9	561.2	443.0	335.2	272.2	246.7	242.8	245.2	245.4	245.2
15°	716.1	655.5	524.3	370.4	268.1	235.3	235.9	241.5	247.1	248.8	248.4
17.5°	727.3	651.9	476.6	300.8	227.5	224.5	232.0	239.6	245.2	246.0	246.2
20°	738.9	644.4	422.2	245.6	208.6	216.4	224.7	230.3	234.4	235.7	236.1
22.5°	744.3	628.5	359.5	206.1	196.0	206.3	212.5	219.8	221.1	216.4	217.2
25°	741.5	601.6	298.2	179.4	183.3	193.6	202.8	199.2	193.8	190.4	191.4
27.5°	732.7	565.9	238.3	159.9	169.7	182.8	183.9	179.8	179.0	176.2	177.0
30°	723.2	524.9	191.7	144.2	156.0	169.7	166.5	168.0	168.2	165.0	166.1
32.5°	717.4	481.9	152.6	133.6	147.2	149.8	156.2	159.2	159.4	151.9	153.2
35°	719.4	439.6	129.1	125.0	139.0	138.4	147.4	149.1	136.7	126.3	127.4
37.5°	735.0	400.5	115.8	118.4	124.8	129.8	136.7	125.3	122.5	117.7	118.4
40°	764.3	367.2	107.9	114.3	115.2	123.1	112.6	114.1	114.3	111.3	111.9
42.5°	798.4	339.5	103.1	111.9	109.8	111.1	100.6	103.6	106.8	105.5	105.7
45°	815.6	312.4	99.1	103.8	104.4	92.2	89.8	93.0	97.1	97.8	98.0
47.5°	800.4	286.6	94.8	92.0	96.3	84.0	81.2	82.3	87.0	89.6	90.0
50°	753.7	257.0	88.3	81.4	79.1	75.4	72.8	73.1	78.4	82.9	83.8
52.5°	688.2	226.0	77.8	69.0	63.6	66.4	67.0	65.7	70.7	75.2	76.1
55°	624.6	187.4	61.7	56.1	51.1	57.2	58.9	57.2	58.7	61.7	61.9
57.5°	439.8	105.9	47.3	46.4	42.3	49.0	51.8	49.2	46.6	48.6	49.0
60°	203.9	55.4	36.3	36.3	35.2	42.1	46.8	43.2	38.2	39.1	39.7
62.5°	63.8	35.0	26.6	25.1	28.8	35.9	39.7	36.1	30.3	30.3	31.2
65°	36.1	30.1	21.1	19.3	23.4	28.8	31.2	27.3	22.1	21.7	21.7
67.5°	33.5	28.6	18.7	15.7	16.5	18.5	19.3	16.8	15.3	15.0	15.3
70°	27.7	23.8	15.0	10.7	10.1	9.9	10.3	9.7	9.2	9.5	10.1
72.5°	17.2	14.4	9.5	6.4	5.6	5.4	5.4	5.4	5.2	5.2	5.2
75°	6.2	5.4	4.3	3.2	2.8	2.6	2.6	2.8	2.6	2.4	2.1
77.5°	1.9	1.7	1.7	1.7	1.5	1.3	1.1	1.1	0.9	0.6	0.6
80°	1.1	1.1	1.1	1.1	0.9	0.9	0.6	0.4	0.2	0.2	0.0
82.5°	1.1	1.1	1.1	0.9	0.9	0.9	0.6	0.4	0.2	0.0	0.0
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.4	0.2	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.4	0.2	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)