

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: P629916

Luminaire Tested: GWS-SA1C-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629916  
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-SA1C-750-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

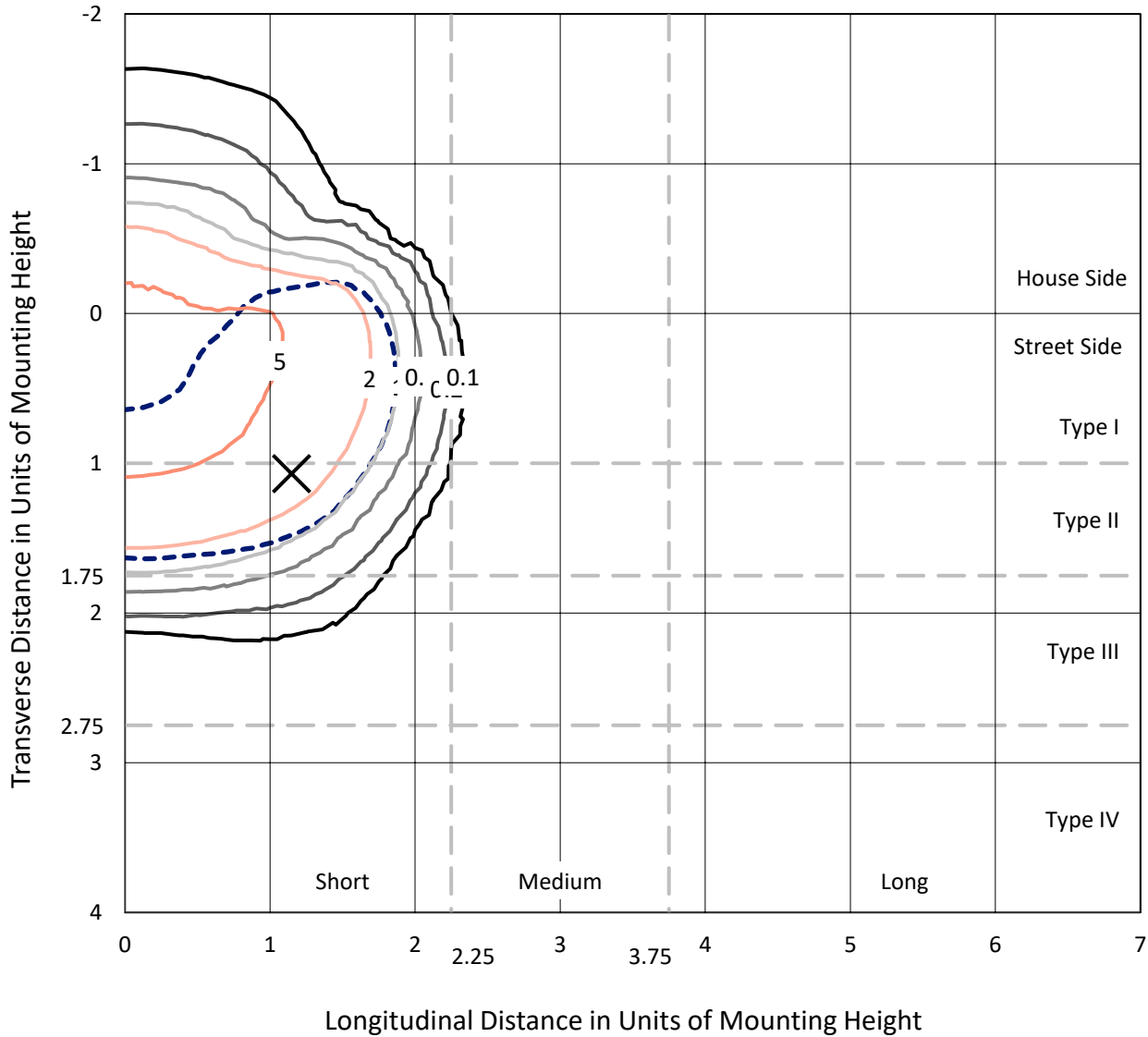
Lumens per Lamp: N/A  
Luminaire Lumens: 3036.1 lumens  
Efficiency: N/A  
Efficacy: 89.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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: P629916  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

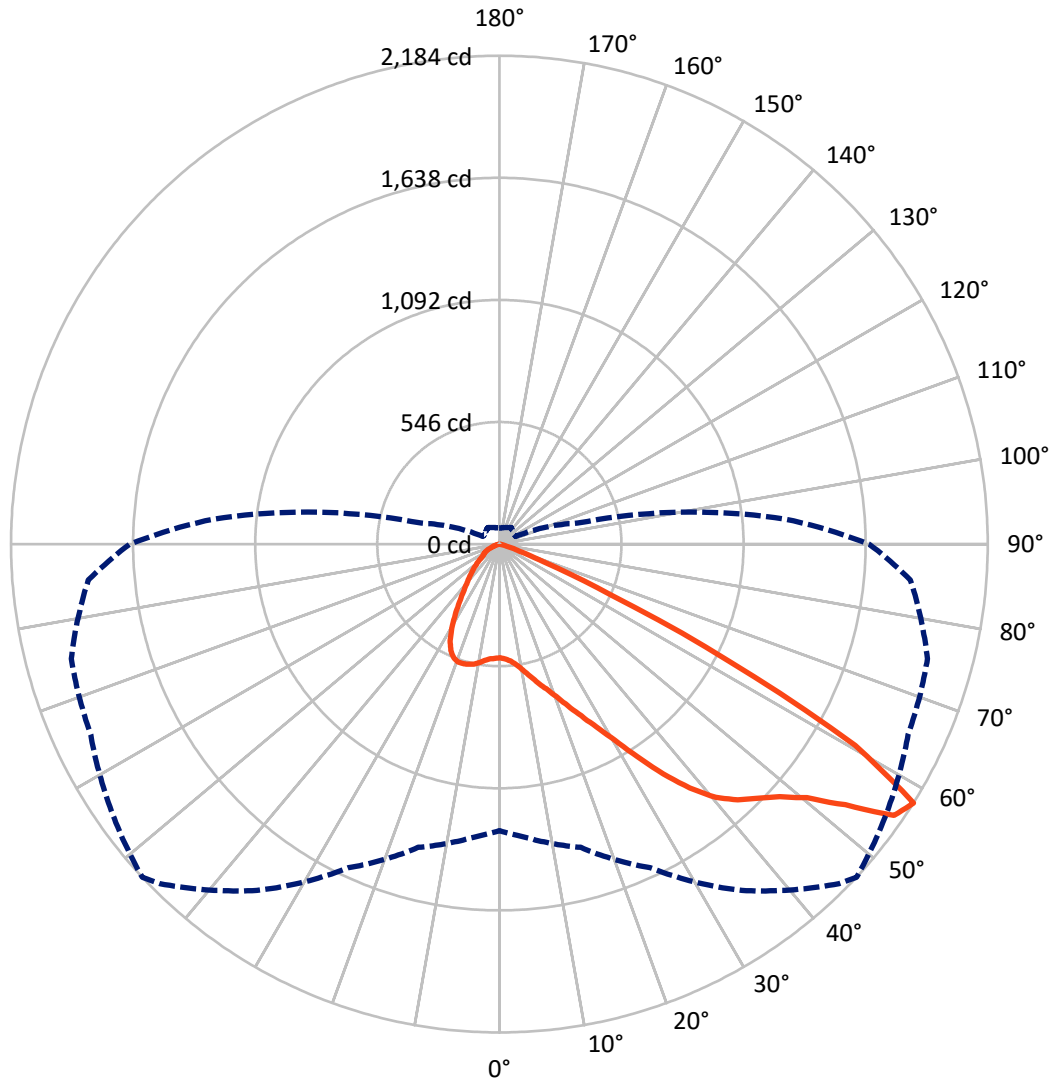
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P629916  
CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629916  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSBK

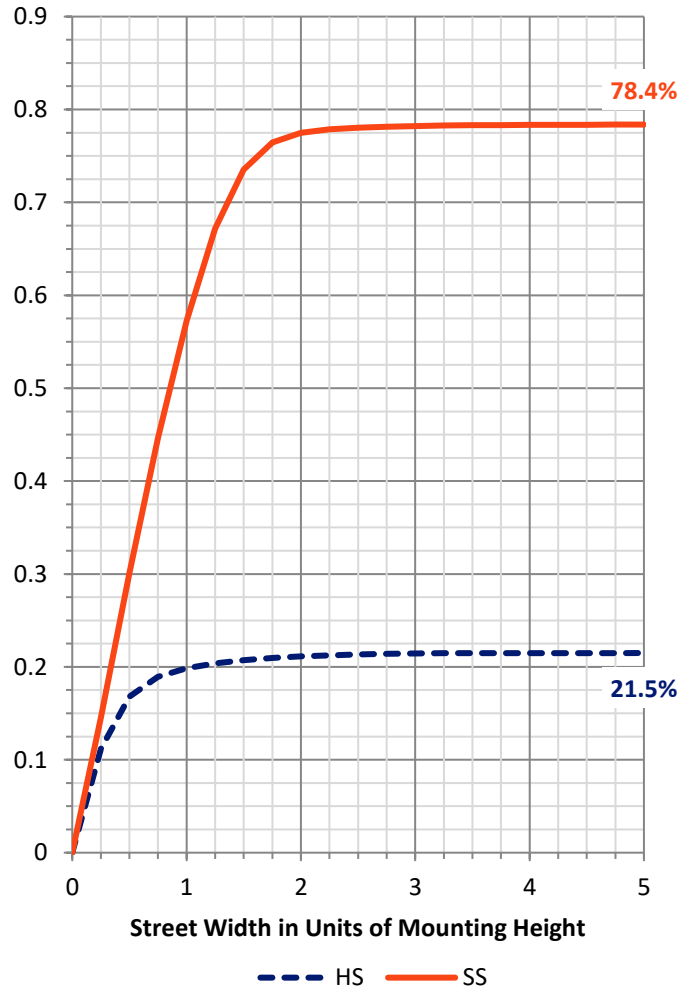
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	658.7	0.0	658.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2377.4	0.0	2377.4
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	3036.1	0.0	3036.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	1.7
10°-20°	170.6	5.6
20°-30°	316.8	10.4
30°-40°	507.1	16.7
40°-50°	741.3	24.4
50°-60°	914.9	30.1
60°-70°	305.7	10.1
70°-80°	28.5	0.9
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°	3036.1	100.0
0°-180°	3036.1	100.0

**Coefficient of Utilization**



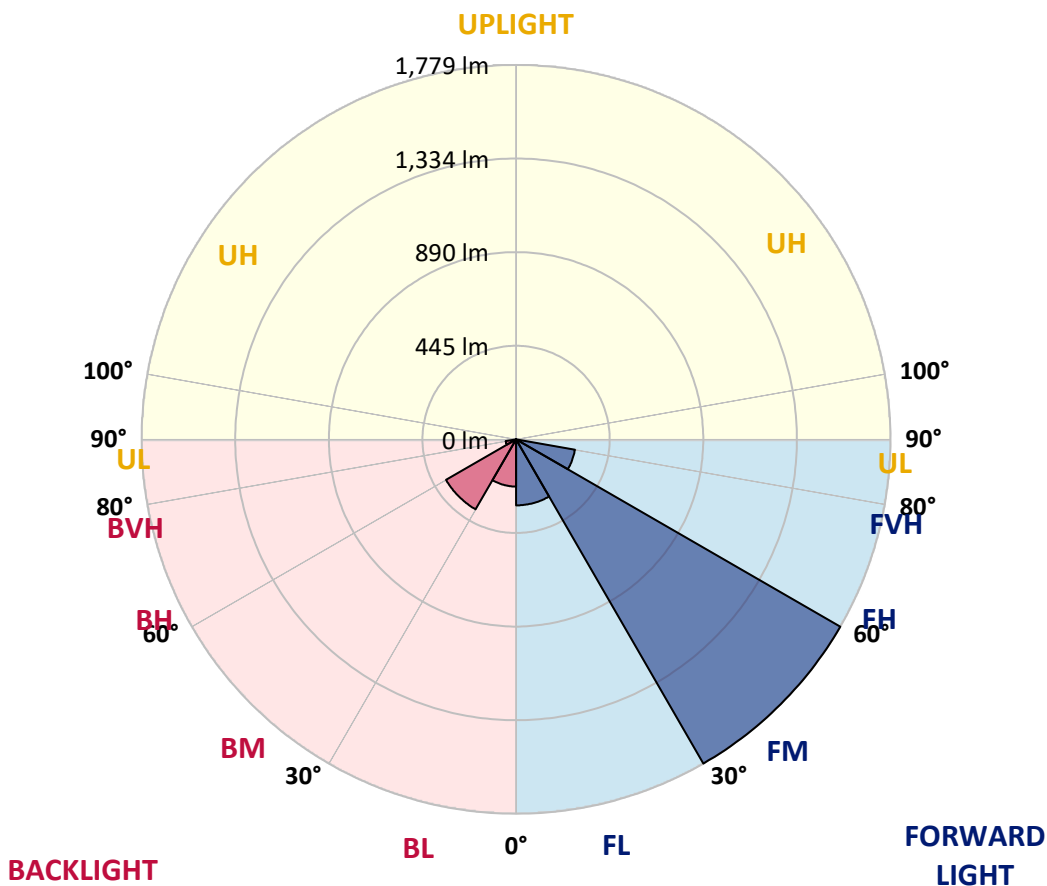
REPORT NUMBER: P629916

CATALOG NUMBER: GWS-SA1C-750-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°)	313.8	10.3			
FM (30°-60°)	1779.1	58.6			
FH (60°-80°)	284.1	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	224.2	7.4	B1/500		
BM (30°-60°)	384.2	12.7	B1/1000		
BH (60°-80°)	50.1	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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: P629916

CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2
2.5°	513.5	513.2	512.8	514.9	514.2	513.9	514.6	514.6	514.6	512.5	508.2
5°	525.9	525.9	525.5	527.6	525.9	524.8	525.2	525.2	523.8	519.9	514.6
7.5°	545.3	544.5	543.8	546.0	544.2	543.8	544.5	542.4	540.0	533.6	526.2
10°	573.1	573.1	572.0	574.2	572.7	572.0	572.0	570.6	566.0	556.2	545.3
12.5°	611.5	609.8	607.3	605.5	604.8	604.5	604.8	602.7	597.8	585.1	569.9
15°	653.5	652.0	648.2	645.4	641.5	640.8	642.9	641.1	636.2	618.9	597.4
17.5°	706.3	708.1	698.2	692.2	681.0	680.2	681.0	683.8	680.2	658.0	626.7
20°	751.4	752.9	745.5	741.2	731.0	726.4	727.8	732.4	728.5	702.5	658.7
22.5°	799.7	801.5	793.7	784.9	780.3	780.3	785.6	792.0	786.7	752.5	695.4
25°	857.5	858.9	852.6	841.0	832.9	843.1	850.8	867.8	858.9	812.4	738.8
27.5°	923.8	924.1	915.0	903.0	898.8	917.8	925.6	951.6	948.1	879.7	784.6
30°	994.6	995.0	992.9	984.8	980.9	1005.9	1016.5	1054.2	1051.7	963.3	847.0
32.5°	1068.3	1068.3	1072.2	1071.5	1076.1	1116.9	1133.9	1176.9	1174.4	1065.5	924.5
35°	1142.3	1142.7	1149.4	1166.3	1185.3	1239.6	1261.8	1314.0	1308.3	1187.8	1023.5
37.5°	1226.6	1223.0	1232.2	1257.6	1299.9	1362.6	1383.8	1433.5	1427.1	1312.9	1152.9
40°	1328.1	1321.7	1321.7	1351.3	1399.3	1471.5	1489.5	1514.2	1492.7	1414.1	1279.8
42.5°	1440.1	1434.2	1426.4	1452.5	1492.7	1549.1	1563.9	1557.2	1539.5	1509.6	1424.3
45°	1553.6	1544.5	1549.8	1565.6	1588.9	1615.7	1621.3	1590.3	1582.2	1590.6	1543.8
47.5°	1640.0	1633.6	1646.7	1668.9	1687.9	1691.8	1687.9	1644.9	1644.2	1674.2	1626.6
50°	1668.9	1669.6	1705.6	1754.2	1784.9	1788.0	1782.7	1733.4	1726.7	1735.5	1671.4
52.5°	1671.7	1674.5	1727.1	1819.7	1903.3	1941.3	1937.1	1883.9	1818.3	1808.8	1739.0
55°	1603.7	1620.3	1693.6	1828.9	2006.6	2128.1	2142.2	2040.4	1943.1	1935.0	1884.6
57.5°	1281.9	1315.7	1404.2	1597.0	1891.3	2147.5	2184.2	2110.9	2016.8	1982.2	1845.5
60°	766.2	808.2	893.1	1129.6	1439.4	1765.1	1828.2	1838.4	1795.1	1695.3	1415.8
62.5°	328.8	325.3	430.0	611.2	856.1	1121.9	1150.4	1194.8	1232.6	1128.2	859.3
65°	112.8	122.7	170.6	275.6	428.6	520.9	546.3	586.1	639.7	528.0	314.7
67.5°	69.8	74.0	98.3	162.8	231.2	227.7	216.4	210.1	204.4	139.9	86.4
70°	50.8	54.3	69.1	112.1	155.4	109.3	94.8	76.8	85.3	78.6	61.3
72.5°	34.2	37.0	47.6	68.0	79.7	53.2	49.3	56.0	67.7	64.5	50.0
75°	20.4	22.2	27.1	33.1	32.4	27.5	27.8	39.5	51.8	48.3	35.6
77.5°	14.1	14.8	18.0	21.5	15.9	8.5	7.8	10.9	17.6	17.6	12.0
80°	3.5	4.6	4.6	2.8	2.5	2.1	2.1	3.2	4.9	3.5	1.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
87.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7
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: P629916  
 CATALOG NUMBER: GWS-SA1C-750-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2	508.2
2.5°	510.7	506.5	509.3	508.6	510.7	511.4	508.2	507.5	507.9	503.7	502.3
5°	515.6	510.7	512.1	510.7	513.2	515.3	514.2	515.6	517.4	514.2	512.8
7.5°	526.2	521.3	520.9	518.8	522.3	523.8	523.4	527.3	530.8	528.7	526.6
10°	544.5	537.9	537.1	535.4	536.4	537.5	533.6	534.3	537.5	535.0	534.0
12.5°	567.1	559.0	557.2	553.0	553.0	547.7	539.3	537.5	540.0	538.2	536.4
15°	591.4	580.5	577.7	570.3	563.2	553.4	544.5	542.4	544.2	542.1	540.7
17.5°	618.6	606.2	597.1	584.0	568.5	556.9	547.0	542.4	539.6	535.4	535.0
20°	645.4	629.1	613.6	592.8	572.4	554.8	538.6	526.6	516.4	510.0	507.5
22.5°	676.4	652.4	627.4	598.1	568.9	542.1	513.5	493.1	475.5	469.5	466.7
25°	709.5	678.5	641.1	603.1	556.9	513.9	475.1	444.8	421.5	413.8	410.6
27.5°	746.2	703.5	655.2	602.0	532.2	473.7	422.2	384.5	361.6	354.6	357.0
30°	792.7	735.9	672.8	591.1	495.2	417.3	357.0	325.3	308.0	301.4	301.7
32.5°	854.7	782.5	698.6	567.8	447.6	353.2	300.3	277.0	265.4	256.6	255.9
35°	943.5	853.3	722.5	530.5	389.8	296.1	257.6	239.3	223.1	212.9	214.6
37.5°	1050.0	942.5	735.6	480.0	325.0	251.7	225.6	206.9	188.6	173.4	175.2
40°	1176.2	1059.1	734.5	413.8	265.8	221.3	198.8	176.9	154.0	140.3	141.7
42.5°	1316.8	1169.5	711.6	343.6	220.3	196.7	173.1	145.6	123.4	114.9	115.3
45°	1438.7	1259.0	671.4	271.0	185.4	172.7	146.3	118.1	108.2	102.2	101.9
47.5°	1529.0	1324.5	614.0	213.2	157.2	150.9	120.2	105.7	98.0	93.0	92.3
50°	1579.4	1347.5	550.5	167.1	132.9	127.9	107.5	95.9	90.6	87.4	86.7
52.5°	1647.0	1374.9	505.1	131.8	111.4	104.7	99.0	89.2	85.6	83.2	82.1
55°	1754.2	1428.2	465.6	104.7	92.7	91.3	93.4	85.3	83.2	79.3	77.9
57.5°	1653.4	1283.0	361.6	81.1	78.2	83.5	90.2	81.4	76.1	72.6	71.2
60°	1163.5	853.0	181.9	65.2	69.8	78.2	84.9	73.7	68.4	69.1	68.4
62.5°	641.5	426.8	81.8	54.6	60.6	69.1	72.6	63.8	60.3	66.3	67.3
65°	209.7	145.2	47.2	42.3	47.9	56.4	62.7	60.6	59.9	67.0	69.1
67.5°	64.5	47.9	32.1	30.3	33.1	41.6	52.9	65.6	70.5	72.6	73.7
70°	48.3	37.7	27.5	25.7	27.1	31.7	44.8	54.6	51.5	51.8	51.1
72.5°	38.8	30.0	23.6	22.6	22.6	21.9	23.6	29.6	33.5	35.2	35.2
75°	27.1	21.1	18.0	16.6	13.0	10.6	9.5	9.5	8.5	8.1	7.8
77.5°	9.2	7.8	7.0	5.6	3.9	3.2	2.8	2.5	1.8	1.1	0.7
80°	1.4	1.1	0.7	0.7	0.7	0.4	0.4	0.4	0.0	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	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)