

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: P629469

Luminaire Tested: GWS-SA1B-760-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

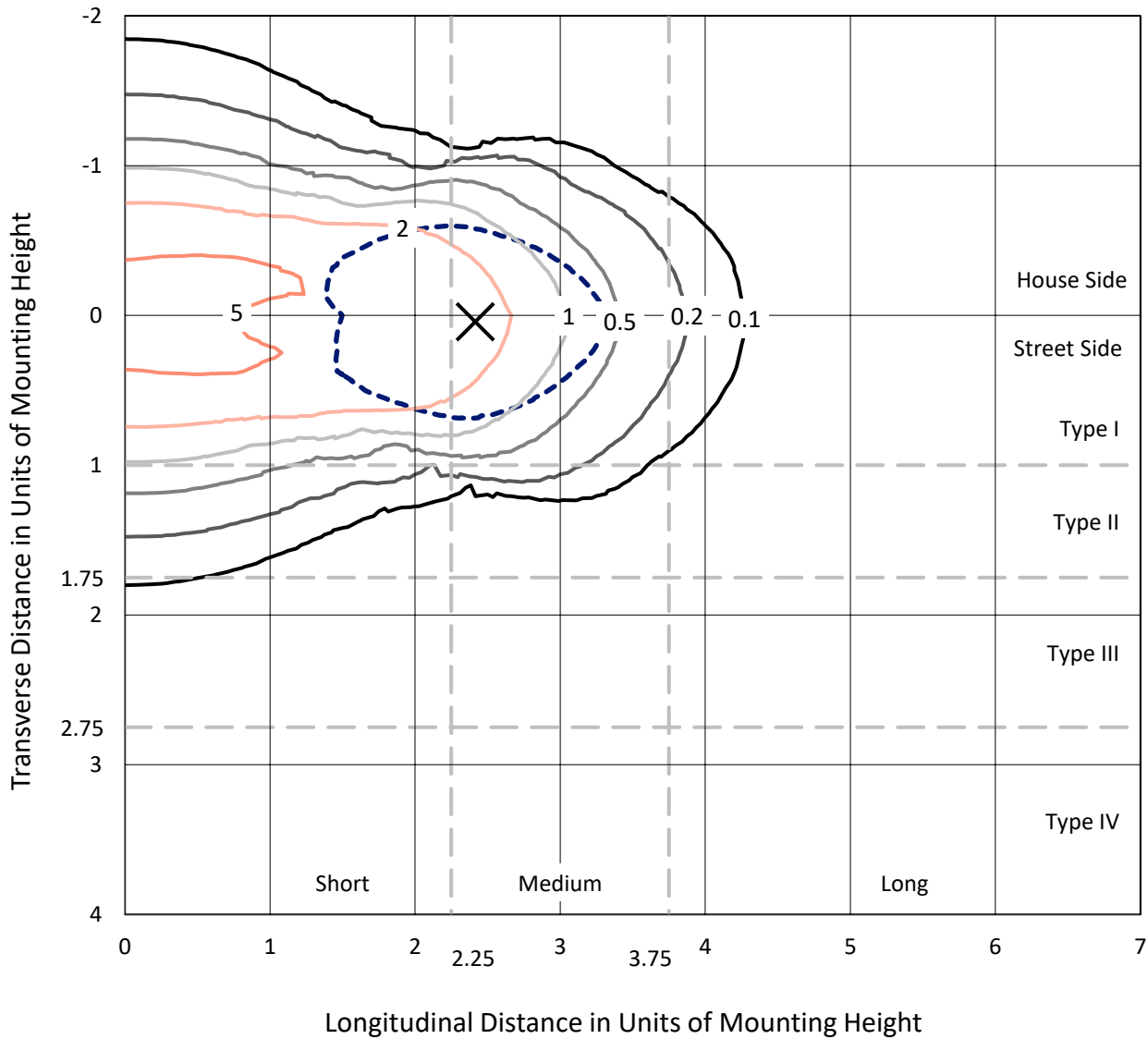
Lumens per Lamp: N/A  
Luminaire Lumens: 3609.3 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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



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 CATALOG NUMBER: GWS-SA1B-760-U-T1-W

### Iso-Footcandle Lines of Horizontal Illumination

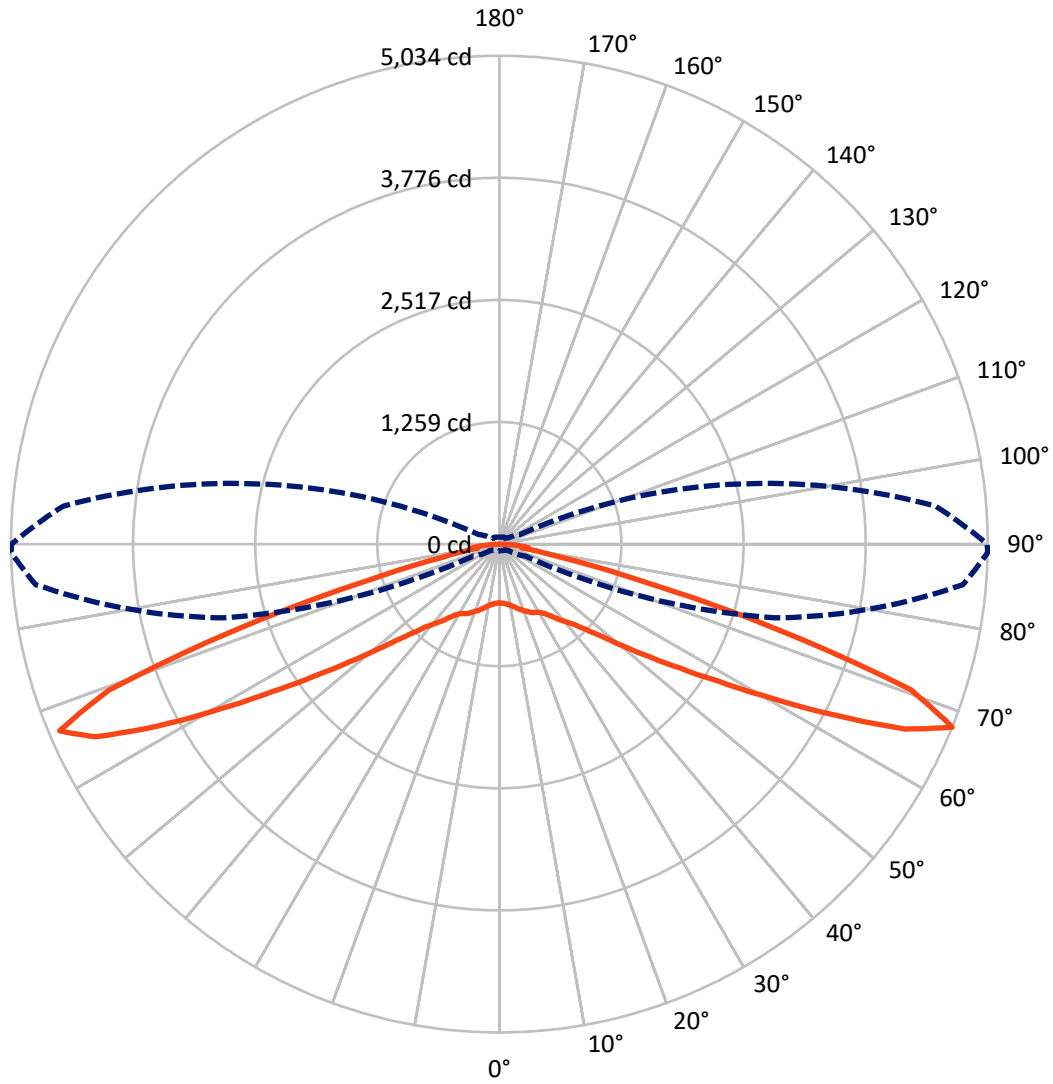
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type I - Medium - N/A

REPORT NUMBER: P629469  
CATALOG NUMBER: GWS-SA1B-760-U-T1-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P629469

CATALOG NUMBER: GWS-SA1B-760-U-T1-W

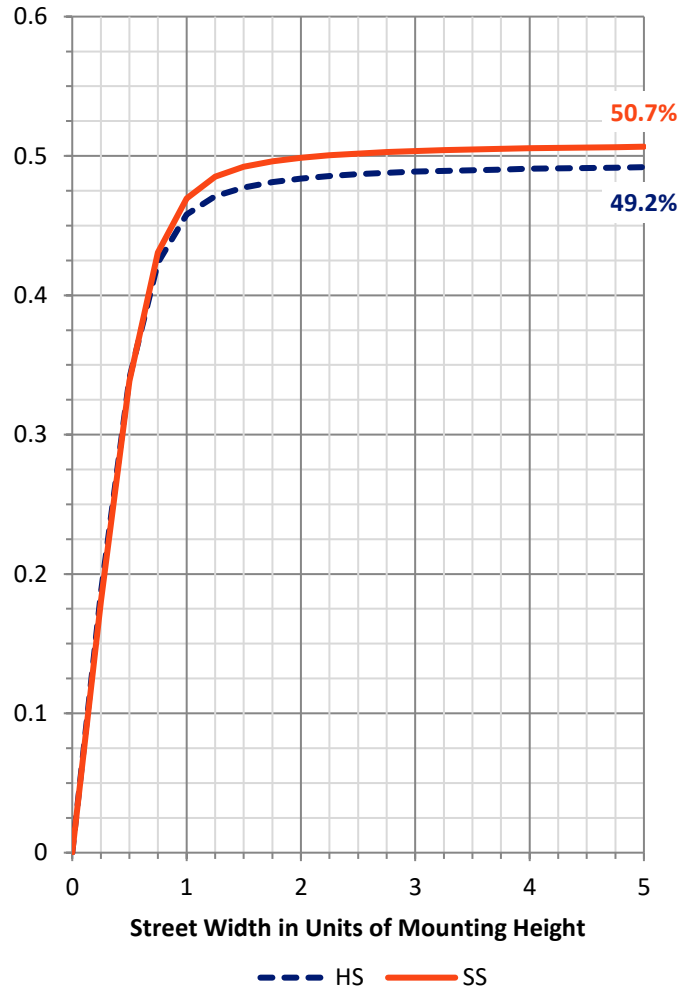
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1788.8	0.0	1788.8
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	1820.5	0.0	1820.5
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	3609.3	0.0	3609.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.8	1.7
10°-20°	197.9	5.5
20°-30°	334.5	9.3
30°-40°	459.0	12.7
40°-50°	585.4	16.2
50°-60°	734.4	20.3
60°-70°	885.8	24.5
70°-80°	320.4	8.9
80°-90°	31.2	0.9
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°	3609.3	100.0
0°-180°	3609.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629469

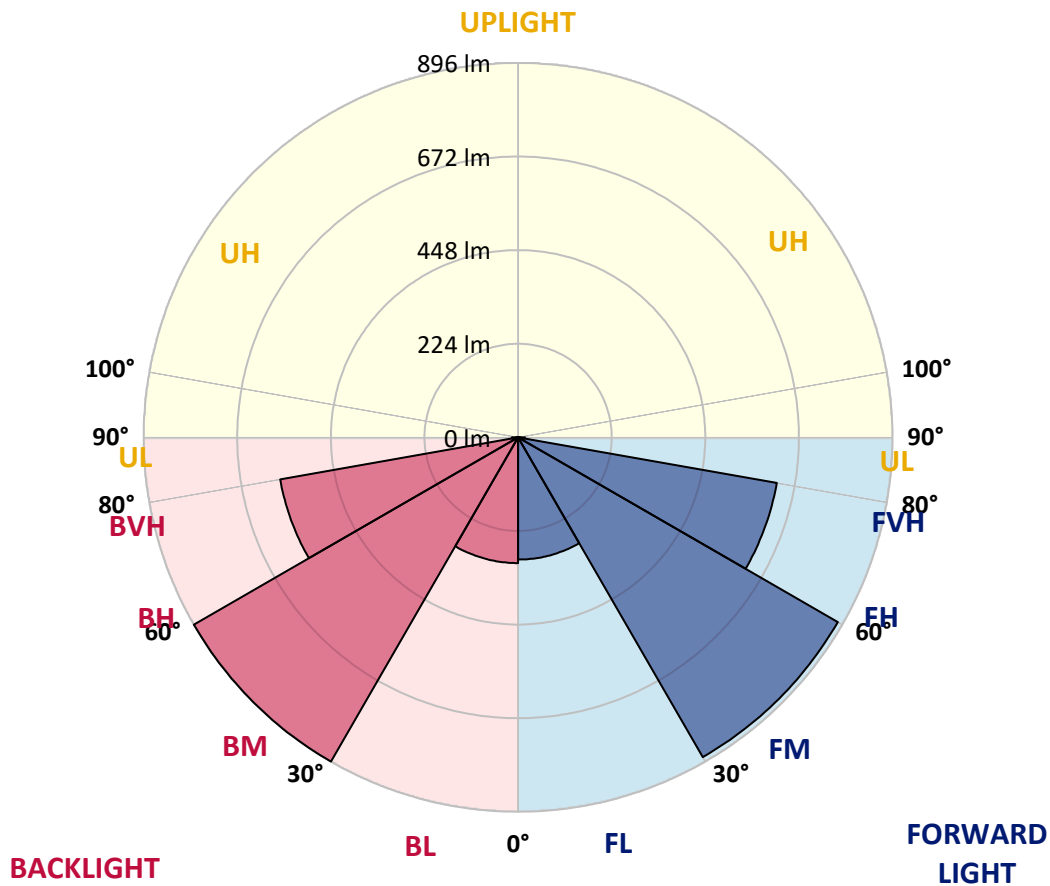
CATALOG NUMBER: GWS-SA1B-760-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.3	8.1			
FM (30°-60°)	883.3	24.5			
FH (60°-80°)	628.4	17.4			G0/660
FVH (80°-90°)	16.4	0.5			G1/100
BL (0°-30°)	300.8	8.3	B1/500		
BM (30°-60°)	895.5	24.8	B1/1000		
BH (60°-80°)	577.8	16.0	B2/1000		G2/1000
BVH (80°-90°)	14.7	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Medium





REPORT NUMBER: P629469  
 CATALOG NUMBER: GWS-SA1B-760-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8
2.5°	607.6	607.1	605.8	609.7	608.9	609.2	610.7	609.7	607.9	604.8	609.2
5°	624.7	624.5	621.6	623.9	621.3	619.5	619.3	616.7	614.6	611.2	615.9
7.5°	641.3	641.0	638.7	642.9	640.8	638.7	636.4	631.2	626.3	621.3	626.5
10°	654.0	653.7	653.2	659.2	659.7	660.5	659.5	650.6	642.1	636.1	641.3
12.5°	661.3	662.0	663.3	674.2	679.7	684.9	686.1	678.9	664.6	656.1	662.3
15°	656.3	657.9	664.4	684.1	699.1	710.8	715.7	709.7	691.3	677.1	684.1
17.5°	632.8	634.0	646.7	676.8	710.0	737.0	745.0	741.4	720.9	703.5	710.3
20°	600.1	602.9	616.7	658.7	708.2	755.1	776.6	775.3	753.0	726.3	734.4
22.5°	570.5	573.9	588.4	634.8	696.0	759.8	808.5	811.9	782.3	749.1	755.6
25°	537.4	540.5	559.1	606.6	675.0	756.1	835.7	851.0	815.5	775.3	781.3
27.5°	503.4	505.7	524.1	574.7	647.5	749.4	857.2	894.0	848.2	793.5	797.6
30°	473.6	476.7	493.6	542.8	617.5	735.9	874.9	939.9	885.7	813.9	817.3
32.5°	444.8	447.4	465.8	511.4	585.6	715.2	890.7	993.8	941.5	852.0	852.0
35°	408.5	413.2	433.9	481.4	555.5	687.7	902.1	1056.6	1017.7	908.3	908.6
37.5°	375.1	377.7	399.5	447.4	523.9	656.6	903.1	1121.6	1114.1	979.8	980.4
40°	337.0	340.4	363.7	411.1	487.6	623.9	893.3	1182.3	1215.2	1053.5	1050.6
42.5°	298.4	303.3	325.6	372.0	448.4	584.0	867.1	1240.1	1343.5	1138.7	1131.7
45°	261.0	264.1	286.4	330.2	403.6	536.3	825.1	1295.6	1495.9	1268.4	1258.2
47.5°	219.0	220.3	243.4	285.4	357.2	483.2	765.0	1345.1	1663.4	1440.0	1422.6
50°	181.7	183.5	201.7	237.7	300.4	420.2	690.0	1374.1	1876.7	1674.0	1644.0
52.5°	147.0	148.8	163.3	192.1	248.3	348.4	597.2	1367.4	2093.2	1964.6	1920.8
55°	118.7	120.0	129.9	152.4	195.5	277.1	487.6	1307.0	2333.5	2344.1	2249.8
57.5°	100.3	100.8	107.6	121.3	152.7	213.6	376.4	1164.4	2585.4	2828.3	2673.3
60°	89.7	89.9	93.1	101.6	120.5	163.0	275.8	937.3	2846.5	3434.1	3221.6
62.5°	82.9	82.9	85.5	90.5	100.1	125.5	202.7	673.2	3033.9	4093.3	3882.0
65°	76.5	76.5	78.3	82.4	87.6	102.4	152.2	434.2	3125.9	4644.4	4597.5
67.5°	68.2	68.4	69.7	74.1	78.8	85.5	115.4	293.7	2934.9	4796.8	5034.3
70°	60.4	60.7	62.5	65.3	69.2	73.9	90.2	202.4	2136.2	3995.1	4501.3
72.5°	51.8	52.9	54.2	57.3	59.6	63.0	73.6	131.2	1242.9	2569.9	2975.6
75°	42.5	43.8	45.4	48.5	50.0	51.3	60.7	93.6	598.0	1302.3	1483.0
77.5°	32.9	34.2	36.0	38.9	39.9	41.5	46.4	67.7	286.4	577.3	622.4
80°	22.0	22.6	24.1	27.5	29.3	30.3	34.2	46.1	124.4	231.7	229.7
82.5°	13.5	13.7	14.3	16.3	17.1	18.1	22.3	28.3	59.4	263.4	302.0
85°	4.9	4.7	4.4	5.7	6.7	7.8	10.4	14.3	25.9	180.9	202.4
87.5°	0.0	0.0	0.0	0.3	0.5	0.5	1.0	2.1	6.2	67.7	46.4
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: P629469  
 CATALOG NUMBER: GWS-SA1B-760-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8	605.8
2.5°	607.9	605.0	608.6	611.2	616.9	619.0	619.5	617.7	617.7	614.6	615.1
5°	614.9	613.1	619.0	623.4	631.7	634.8	636.9	635.6	636.4	634.3	634.8
7.5°	625.5	623.9	634.3	642.9	651.4	655.0	656.9	655.8	656.1	653.5	654.3
10°	640.3	640.8	653.2	664.4	675.8	679.4	680.2	677.1	674.5	669.8	670.1
12.5°	660.5	663.1	680.7	693.1	704.8	710.0	704.3	692.9	682.3	674.2	673.2
15°	682.5	687.2	712.6	728.4	741.1	738.5	721.7	696.0	675.0	663.1	660.7
17.5°	709.0	716.0	747.8	766.8	777.7	761.1	725.8	687.4	658.2	642.1	639.0
20°	733.8	745.0	785.2	809.8	811.1	773.8	724.0	670.1	633.3	613.6	609.4
22.5°	756.7	770.9	824.3	855.7	838.8	779.5	712.8	645.5	603.2	580.1	576.5
25°	781.5	801.8	869.9	899.2	866.6	777.1	689.5	614.9	566.9	543.3	540.7
27.5°	798.6	824.1	915.8	943.8	889.4	763.9	659.5	581.4	533.7	511.4	507.8
30°	818.4	850.8	966.4	992.3	903.4	744.5	627.3	550.3	502.9	478.8	476.2
32.5°	854.1	894.8	1029.1	1043.6	907.8	720.4	596.5	520.3	470.7	446.6	443.0
35°	911.7	959.4	1117.2	1100.9	904.4	693.9	567.2	485.0	437.8	415.3	411.6
37.5°	984.2	1043.6	1215.5	1152.5	895.1	664.9	532.4	455.4	408.3	385.5	383.4
40°	1051.9	1125.0	1325.6	1197.1	876.2	629.1	499.0	424.6	376.4	352.3	347.6
42.5°	1136.7	1233.9	1453.2	1235.7	845.0	586.4	461.4	386.5	336.5	314.7	309.0
45°	1265.5	1386.3	1601.4	1272.8	798.6	533.7	414.2	340.1	292.7	270.4	266.0
47.5°	1426.2	1576.8	1762.2	1294.8	728.1	478.3	360.8	291.1	243.7	218.5	216.4
50°	1652.0	1853.9	1934.5	1290.9	649.3	412.4	300.7	232.8	193.1	175.0	172.1
52.5°	1927.0	2201.8	2120.9	1244.2	565.6	337.5	234.3	182.7	153.2	140.2	137.9
55°	2272.0	2618.4	2317.1	1144.2	459.9	258.4	184.0	144.1	123.9	116.1	115.1
57.5°	2699.2	3157.8	2506.1	975.7	345.8	197.3	141.8	119.0	109.4	104.7	104.5
60°	3263.0	3730.4	2670.2	758.2	247.6	150.9	117.2	106.3	98.8	95.7	95.4
62.5°	3933.4	4250.4	2772.3	516.4	186.1	120.3	103.2	96.4	92.0	90.2	89.9
65°	4622.4	4579.1	2723.6	338.3	141.3	102.1	92.5	88.9	85.0	83.2	83.2
67.5°	5029.3	4509.6	2349.5	234.9	112.0	89.7	83.5	80.1	73.6	72.1	72.1
70°	4454.7	3654.2	1540.0	171.9	90.7	78.5	72.6	67.9	65.3	63.8	63.5
72.5°	2946.3	2377.8	818.9	119.2	75.7	66.9	61.4	59.6	56.5	55.0	54.7
75°	1466.4	1248.9	419.7	86.1	63.0	53.7	51.3	50.5	48.0	45.9	45.4
77.5°	611.2	556.0	195.7	62.5	48.0	43.3	41.2	41.2	38.4	36.0	35.0
80°	230.4	205.3	92.5	42.8	35.5	32.1	30.8	29.8	27.5	24.6	23.1
82.5°	308.2	201.4	45.4	26.7	23.3	20.7	18.9	18.1	16.8	15.6	14.5
85°	199.6	143.1	20.5	13.7	11.7	8.8	7.8	7.3	6.5	5.7	5.2
87.5°	40.7	48.0	6.2	2.6	1.6	0.8	0.8	0.3	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)