

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: P629480

Luminaire Tested: GWS-SA1B-760-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629480  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-760-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

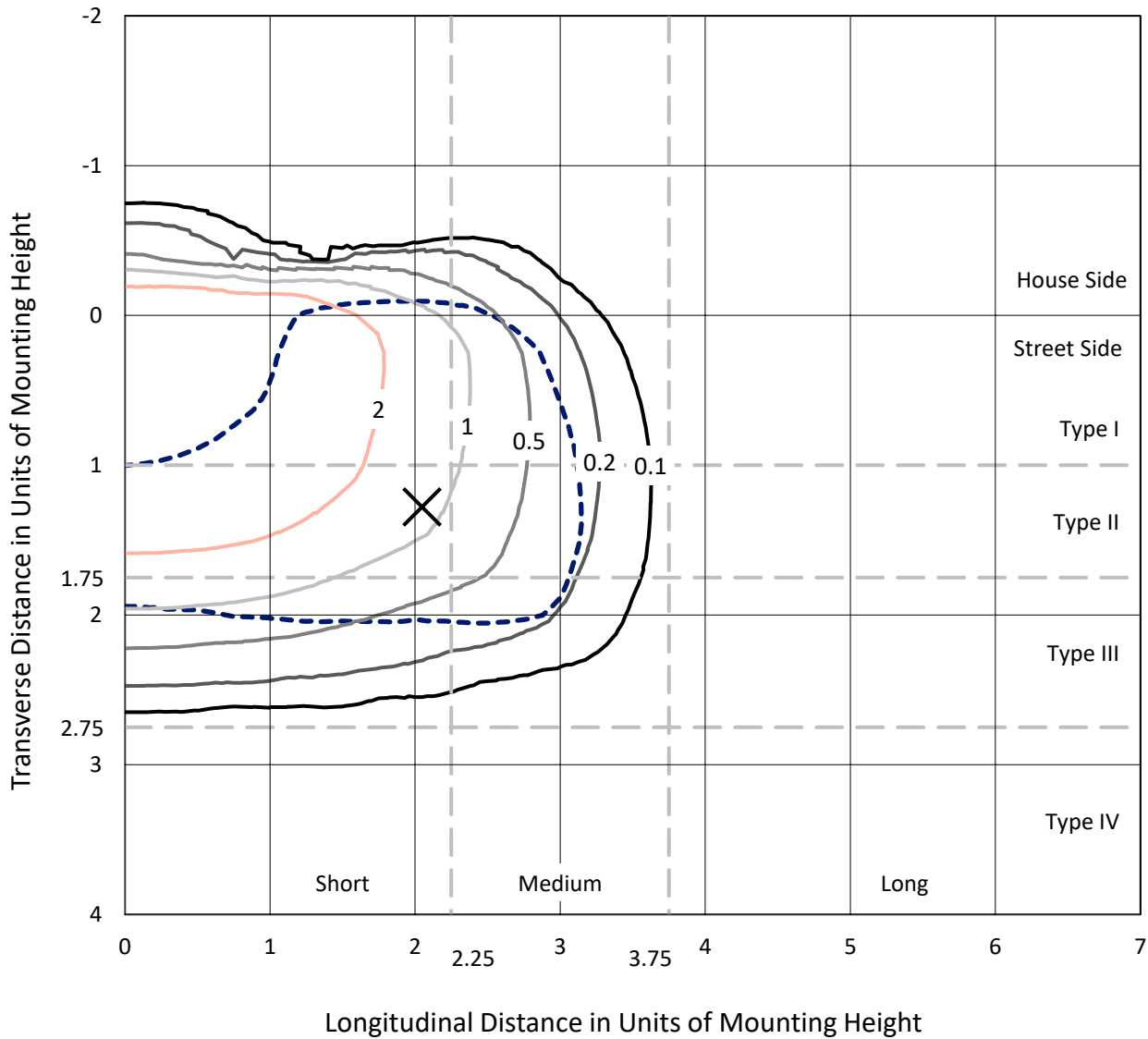
Lumens per Lamp: N/A  
Luminaire Lumens: 2654.6 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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: P629480  
 CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

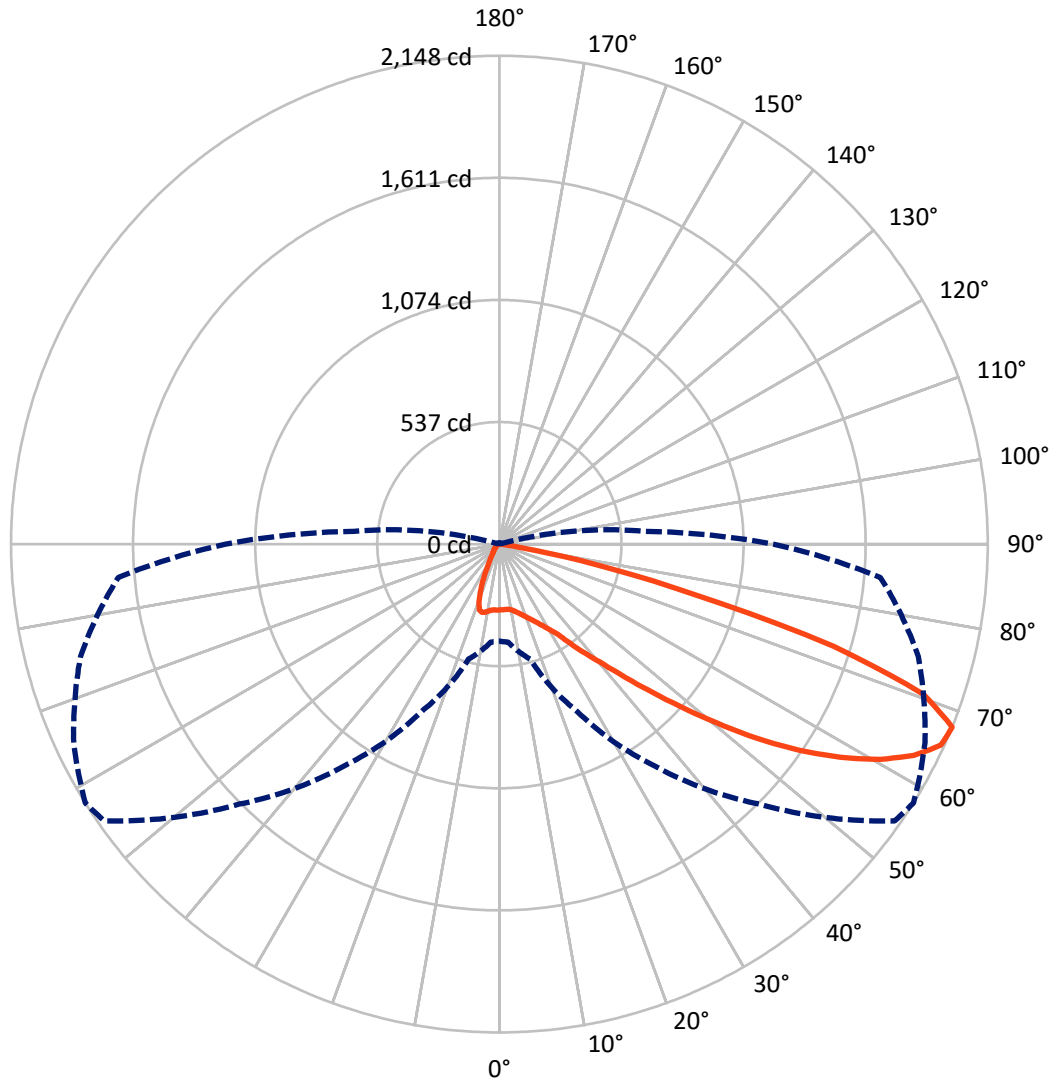
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

REPORT NUMBER: P629480  
CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P629480  
 CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

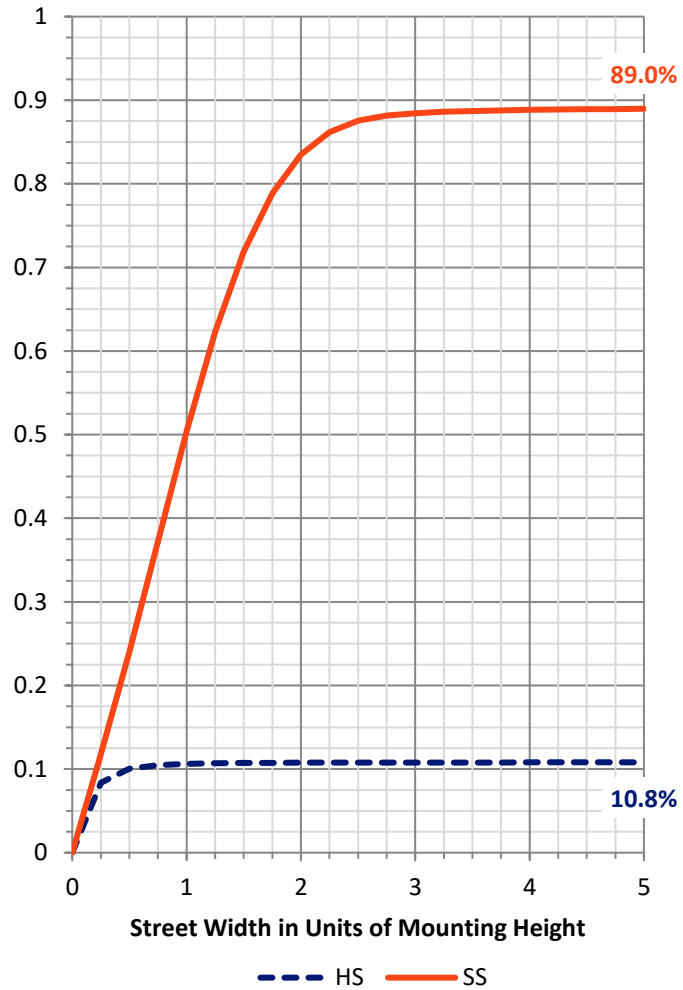
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	289.6	0.0	289.6
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	2365.0	0.0	2365.0
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	2654.6	0.0	2654.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.2	1.0
10°-20°	76.3	2.9
20°-30°	133.2	5.0
30°-40°	237.8	9.0
40°-50°	434.7	16.4
50°-60°	723.0	27.2
60°-70°	785.3	29.6
70°-80°	230.6	8.7
80°-90°	6.6	0.2
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°	2654.6	100.0
0°-180°	2654.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629480

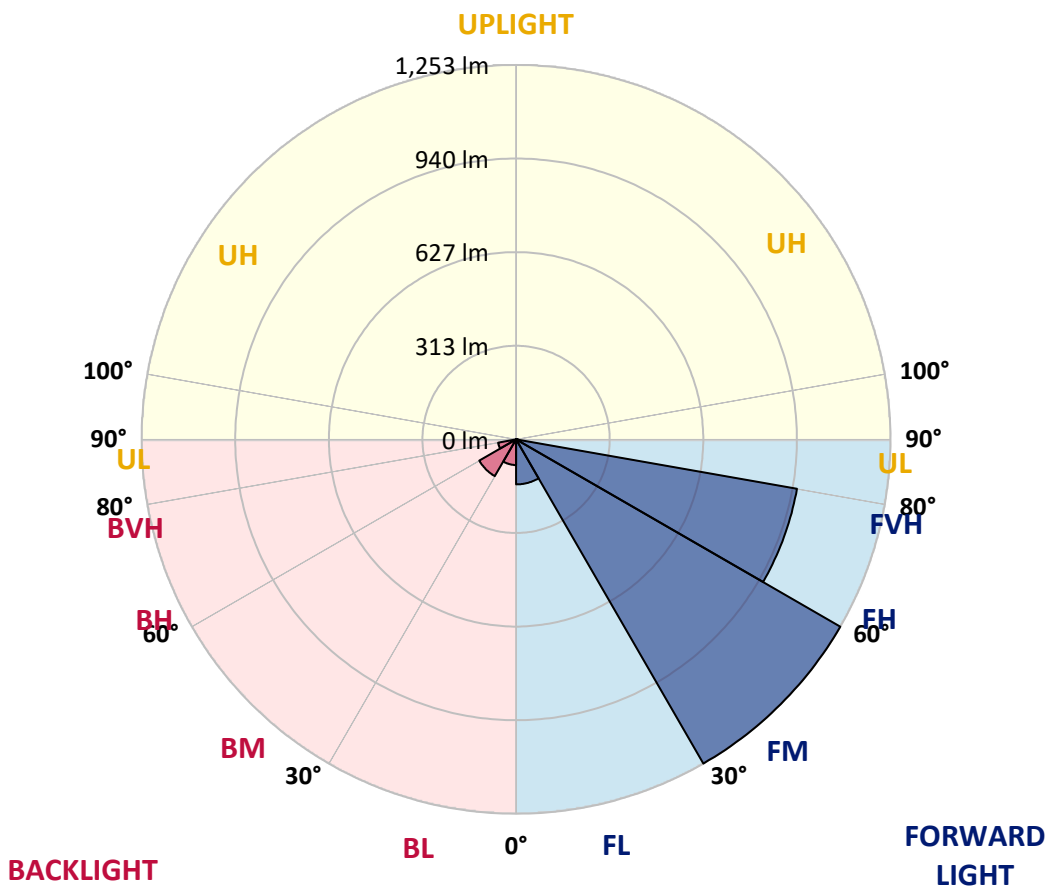
CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.7	5.7			
FM (30°-60°)	1253.3	47.2			
FH (60°-80°)	954.7	36.0			G1/1800
FVH (80°-90°)	6.2	0.2			G0/10
BL (0°-30°)	85.9	3.2	B0/110		
BM (30°-60°)	142.2	5.4	B0/220		
BH (60°-80°)	61.1	2.3	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: B0-U0-G1**

Type III Short





REPORT NUMBER: P629480

CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3
2.5°	283.8	283.3	283.3	285.4	285.6	286.7	289.0	289.3	290.6	290.0	288.2
5°	269.1	269.3	270.9	274.5	277.6	281.5	287.2	288.5	291.3	292.9	291.9
7.5°	255.3	255.6	257.9	263.6	269.6	277.3	286.7	289.3	295.0	299.1	299.4
10°	250.1	249.9	252.2	258.7	266.5	277.3	290.8	294.2	302.8	310.0	311.3
12.5°	251.7	251.4	253.8	259.7	268.3	282.0	298.1	302.8	313.6	324.8	327.1
15°	257.9	257.6	259.2	264.1	273.5	287.7	307.4	314.4	328.2	341.6	345.3
17.5°	276.6	275.3	273.7	274.2	279.7	294.5	319.3	327.9	345.0	361.1	364.2
20°	309.7	306.4	302.2	296.8	294.2	304.3	333.1	342.9	363.7	382.1	382.6
22.5°	359.8	358.5	348.9	333.1	321.9	322.2	349.1	360.6	386.0	406.2	403.3
25°	429.5	428.7	413.9	388.0	359.0	349.1	369.6	381.3	412.4	433.9	424.8
27.5°	516.1	510.6	493.3	458.3	415.0	384.1	395.5	405.9	440.4	460.6	443.5
30°	591.5	591.8	575.4	538.9	490.2	436.8	427.2	436.2	466.0	487.3	466.6
32.5°	664.1	666.4	648.5	615.6	562.2	505.4	472.5	474.1	499.0	522.0	496.9
35°	731.5	733.3	720.8	692.9	643.1	577.2	535.8	535.0	548.5	572.1	539.1
37.5°	806.9	808.7	796.5	771.4	724.7	659.4	607.6	606.5	612.0	631.2	593.6
40°	887.3	890.6	877.1	855.9	811.3	756.1	691.0	681.7	676.3	698.8	664.1
42.5°	968.6	973.8	969.2	947.9	909.8	864.2	799.4	784.9	773.2	801.5	764.7
45°	1069.7	1076.0	1073.9	1057.6	1028.0	990.9	929.8	912.9	907.5	933.7	889.8
47.5°	1166.9	1173.7	1181.2	1177.6	1156.6	1139.5	1071.6	1062.0	1060.4	1088.4	1020.5
50°	1239.3	1245.5	1274.2	1295.0	1309.2	1305.6	1246.8	1232.5	1230.2	1248.1	1158.4
52.5°	1291.1	1297.1	1336.7	1401.5	1453.9	1482.4	1423.0	1419.9	1407.2	1401.0	1287.5
55°	1331.3	1339.6	1381.3	1479.3	1584.8	1648.0	1611.0	1599.8	1567.1	1531.4	1407.2
57.5°	1339.3	1342.7	1401.5	1533.7	1686.4	1788.8	1788.8	1769.3	1706.3	1656.8	1545.6
60°	1267.3	1277.6	1357.2	1529.3	1729.9	1880.8	1936.3	1922.8	1837.8	1776.8	1678.9
62.5°	1107.3	1119.0	1215.9	1423.8	1686.4	1899.7	2048.0	2045.9	1950.0	1876.1	1789.3
65°	849.2	857.7	942.2	1191.0	1502.3	1826.9	2127.8	2133.5	2038.6	1941.7	1827.4
67.5°	426.7	432.6	523.9	813.6	1190.8	1617.2	2122.4	2147.8	2065.6	1907.0	1682.0
70°	149.0	155.0	198.0	349.1	724.7	1234.8	1938.8	1980.3	1907.2	1627.8	1240.8
72.5°	51.1	53.9	82.2	129.6	282.0	732.0	1474.4	1536.8	1405.9	1092.8	713.1
75°	29.0	30.8	44.1	70.2	118.2	240.8	836.5	874.8	819.6	595.7	293.4
77.5°	19.7	21.3	27.5	39.9	65.3	77.5	341.1	429.5	374.6	194.4	74.9
80°	11.7	12.7	16.8	23.6	33.4	30.1	73.1	97.2	125.2	58.1	22.6
82.5°	5.4	6.2	10.9	15.6	16.8	12.7	21.5	26.2	35.3	28.5	9.3
85°	0.0	0.0	3.6	6.5	6.2	3.6	6.0	6.5	9.6	14.3	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	1.6	2.9	1.6
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: P629480  
 CATALOG NUMBER: GWS-SA1B-760-U-T3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3	289.3
2.5°	290.3	288.5	290.6	289.5	290.6	290.3	288.2	286.9	286.9	284.6	283.8
5°	293.9	292.1	292.6	290.3	289.8	288.5	285.9	284.9	284.9	282.5	281.8
7.5°	302.0	299.1	298.6	293.9	291.9	288.2	283.6	281.8	281.5	279.2	278.4
10°	314.7	311.3	309.0	303.0	297.0	289.8	279.9	271.6	267.0	260.8	260.2
12.5°	330.2	326.1	322.5	313.4	303.5	287.2	258.2	227.8	209.2	194.4	195.4
15°	347.6	343.7	338.0	324.3	304.0	261.5	200.9	154.2	131.4	119.2	118.7
17.5°	366.5	360.8	351.5	332.8	287.7	199.8	130.6	92.3	80.4	76.2	75.2
20°	384.1	377.1	365.5	334.6	240.5	135.3	81.6	71.5	69.5	68.2	68.2
22.5°	402.8	394.0	376.6	320.6	178.9	86.6	69.5	67.1	65.6	63.8	63.5
25°	421.7	410.3	386.7	284.1	117.2	68.2	65.1	62.5	59.6	56.8	56.0
27.5°	437.8	423.0	394.5	229.7	75.2	61.4	59.4	55.0	51.1	48.0	47.4
30°	457.0	438.1	397.9	168.0	59.1	54.2	51.1	46.4	41.7	38.6	37.6
32.5°	482.6	461.9	392.7	109.4	52.4	47.7	42.8	37.3	32.7	29.3	28.8
35°	522.6	497.9	368.8	69.7	47.4	41.2	35.3	29.5	25.7	23.1	22.6
37.5°	571.3	548.5	329.7	52.4	42.5	35.8	28.8	23.3	20.5	18.7	18.1
40°	643.6	611.7	281.2	45.9	37.6	30.3	23.6	19.2	17.1	15.6	15.0
42.5°	737.4	686.4	225.5	41.7	32.9	25.4	19.2	15.8	14.0	13.0	12.7
45°	847.1	759.2	166.7	37.6	28.5	21.0	15.8	13.0	11.7	10.9	10.6
47.5°	959.3	823.0	115.1	33.2	24.4	17.4	13.2	11.1	10.1	9.1	8.8
50°	1079.1	876.9	78.5	28.8	20.7	14.3	11.4	10.1	8.8	8.0	7.8
52.5°	1166.9	896.8	54.7	24.9	17.6	12.2	10.1	9.1	8.0	7.0	6.7
55°	1248.1	896.3	41.5	21.0	15.0	10.6	9.1	8.0	7.0	6.2	6.0
57.5°	1328.9	889.3	32.7	17.9	13.0	9.6	8.0	7.0	6.5	5.4	5.2
60°	1381.3	862.9	25.4	15.0	11.1	8.3	7.0	6.2	5.4	4.7	4.4
62.5°	1409.0	826.1	19.4	11.9	9.1	7.3	6.2	5.4	4.7	3.9	3.6
65°	1371.5	760.8	15.3	9.3	7.0	6.2	5.2	4.4	3.6	2.9	2.6
67.5°	1204.8	641.5	11.9	7.5	5.4	4.7	4.4	3.6	2.6	2.1	1.8
70°	851.5	439.4	9.3	5.7	4.1	3.6	3.4	2.9	2.1	1.6	1.3
72.5°	467.3	221.6	6.7	4.1	3.1	2.9	2.6	2.3	1.8	1.3	1.3
75°	179.9	60.9	4.9	2.9	2.1	2.1	1.8	1.8	1.6	1.0	1.0
77.5°	46.9	18.1	3.1	1.8	1.3	1.3	1.3	1.0	1.0	0.8	0.8
80°	15.0	6.0	1.8	1.3	1.0	0.8	0.8	0.5	0.8	0.5	0.5
82.5°	4.9	2.1	1.0	1.0	0.8	0.5	0.5	0.3	0.3	0.0	0.0
85°	1.8	1.0	0.8	0.5	0.5	0.5	0.3	0.0	0.0	0.0	0.0
87.5°	1.0	0.5	0.5	0.5	0.5	0.3	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)