

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: P629638

Luminaire Tested: GWS-SA1C-722-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

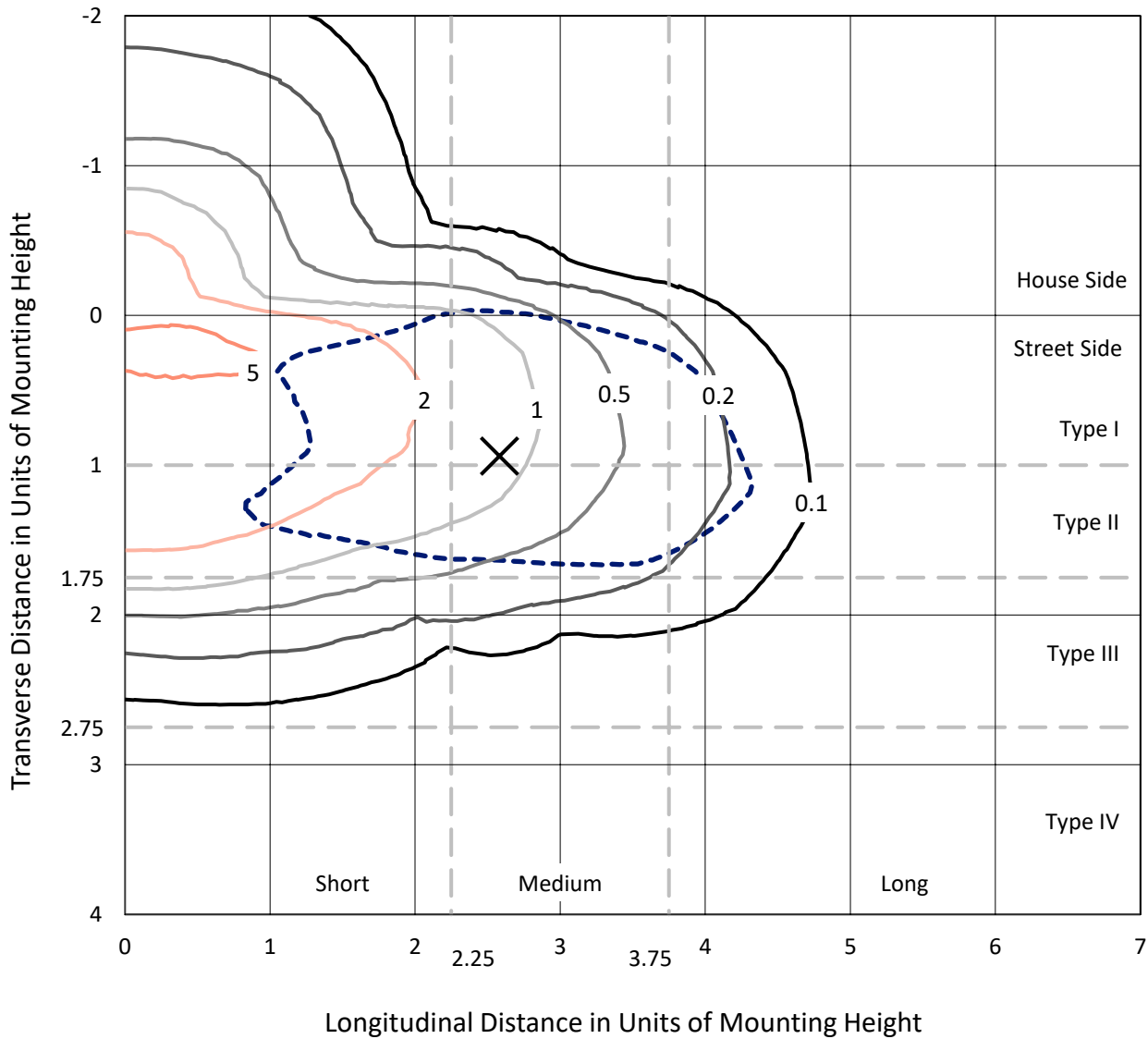
Lumens per Lamp: N/A  
Luminaire Lumens: 3512.7 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

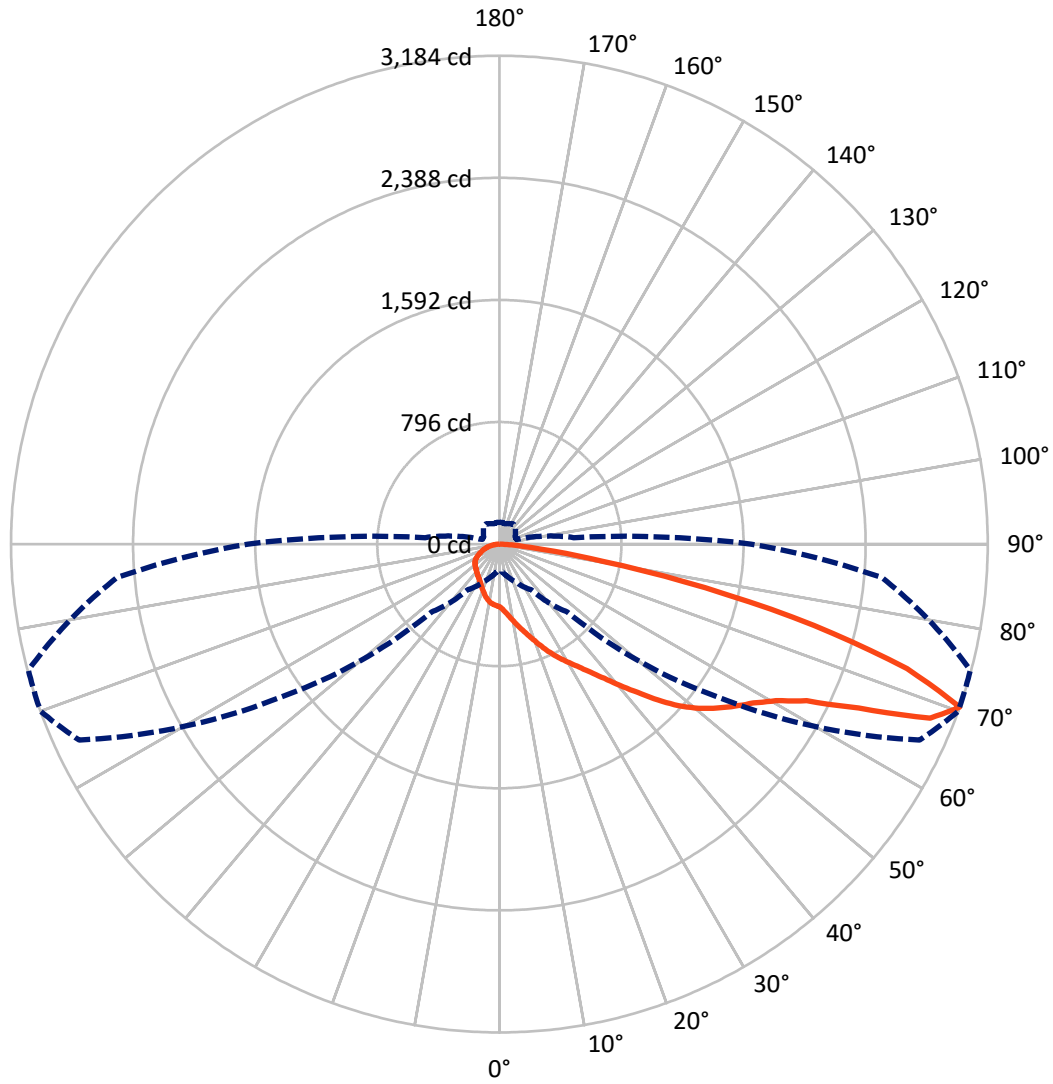
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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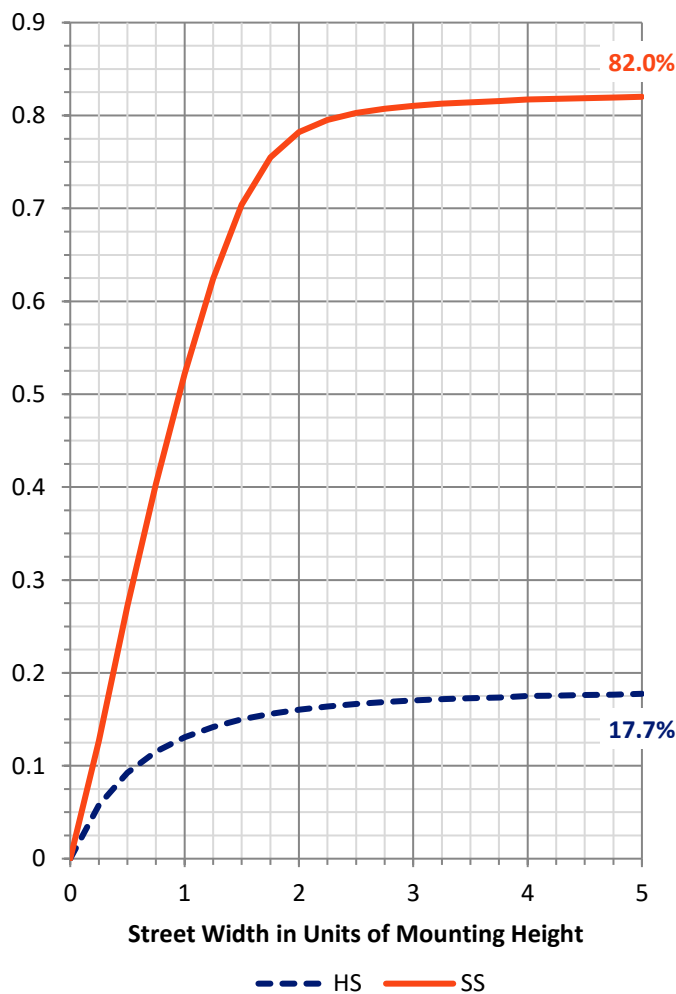
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	629.5	0.0	629.5
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	2883.2	0.0	2883.2
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	3512.7	0.0	3512.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	1.2
10°-20°	135.4	3.9
20°-30°	239.9	6.8
30°-40°	361.1	10.3
40°-50°	546.3	15.6
50°-60°	782.7	22.3
60°-70°	865.1	24.6
70°-80°	488.2	13.9
80°-90°	52.2	1.5
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°	3512.7	100.0
0°-180°	3512.7	100.0

**Coefficient of Utilization**



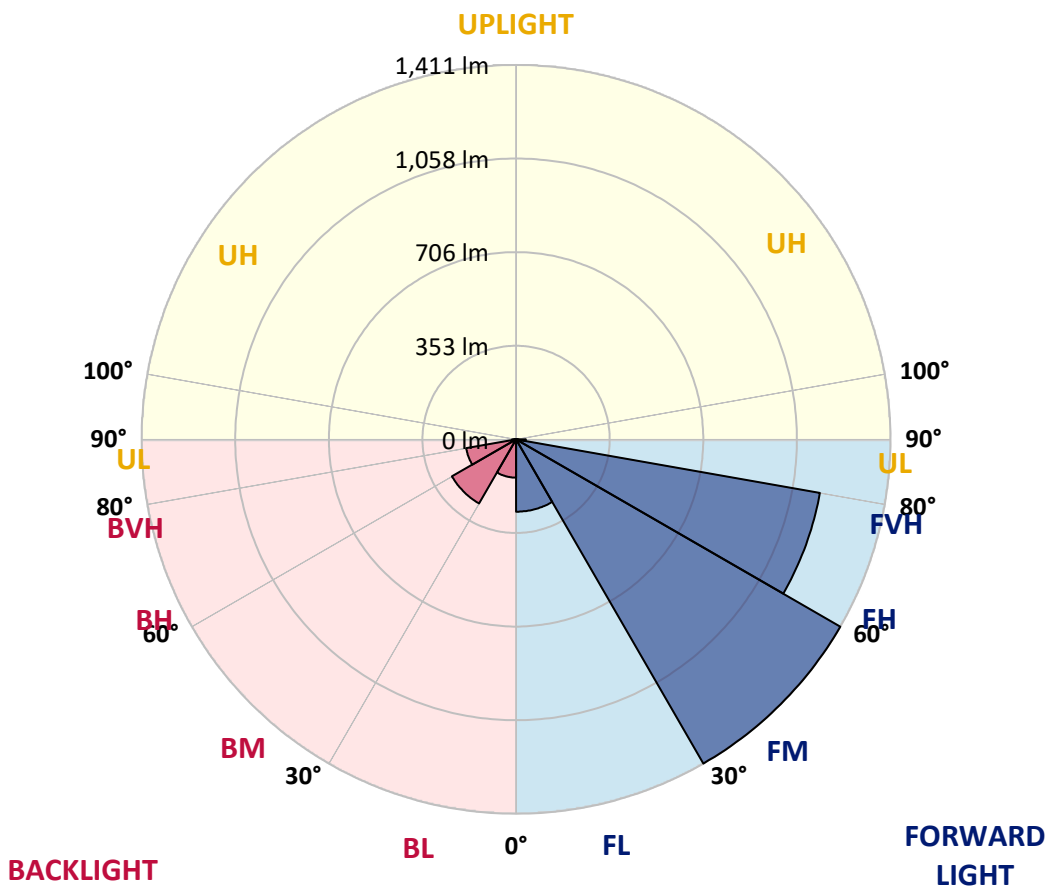
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	272.7	7.8			
FM (30°-60°)	1411.1	40.2			
FH (60°-80°)	1162.6	33.1			G1/1800
FVH (80°-90°)	36.9	1.1			G1/100
BL (0°-30°)	144.3	4.1	B1/500		
BM (30°-60°)	279.1	7.9	B1/1000		
BH (60°-80°)	190.8	5.4	B1/500		G1/500
BVH (80°-90°)	15.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7
2.5°	453.8	453.1	453.6	453.1	450.3	443.4	437.8	430.7	425.9	423.1	416.5
5°	507.1	506.4	504.6	502.0	497.0	487.6	473.6	458.1	448.7	441.6	427.7
7.5°	545.4	545.4	545.2	542.1	538.6	528.7	512.2	491.9	478.2	466.0	443.2
10°	565.0	566.3	568.0	572.3	571.6	566.3	550.8	528.9	511.7	497.5	463.5
12.5°	575.6	576.4	579.5	588.3	597.5	598.7	589.6	566.8	548.0	528.9	486.1
15°	589.4	589.6	593.7	604.3	617.8	631.2	628.9	606.1	586.8	565.7	511.2
17.5°	600.0	601.8	609.2	621.6	638.3	656.9	668.0	653.8	630.0	605.9	538.6
20°	603.8	605.1	614.7	633.8	656.6	682.8	707.6	703.8	679.7	651.3	569.6
22.5°	617.5	617.5	624.6	640.6	667.5	705.6	746.0	755.9	734.5	701.3	602.8
25°	647.7	646.7	650.0	656.6	676.9	723.9	783.8	813.5	789.6	752.3	636.1
27.5°	689.1	688.6	688.3	689.4	696.2	739.9	815.8	867.3	843.4	801.3	665.8
30°	734.0	732.5	735.8	732.8	731.2	758.9	842.9	915.5	897.0	849.8	690.4
32.5°	795.2	792.4	791.6	781.7	775.7	788.6	864.7	970.3	955.6	902.1	718.0
35°	875.9	873.4	860.4	844.7	826.7	832.8	891.9	1023.9	1024.9	967.5	754.3
37.5°	957.4	957.9	947.7	910.7	892.2	888.6	933.3	1089.1	1110.9	1045.7	801.3
40°	1025.1	1028.2	1028.2	989.1	961.4	958.1	991.4	1166.5	1209.9	1141.6	860.7
42.5°	1076.7	1079.5	1088.3	1060.2	1031.0	1042.4	1062.0	1244.2	1322.1	1260.2	935.8
45°	1133.3	1135.6	1140.4	1124.1	1107.1	1137.6	1141.9	1337.1	1450.5	1393.2	1023.1
47.5°	1208.4	1206.4	1206.9	1194.9	1181.8	1231.0	1230.0	1415.3	1574.7	1538.9	1117.8
50°	1301.8	1305.6	1302.1	1278.5	1263.0	1307.9	1313.7	1501.8	1683.8	1683.0	1213.2
52.5°	1391.7	1393.2	1412.0	1413.0	1381.2	1371.9	1387.1	1589.1	1775.9	1815.0	1304.9
55°	1396.2	1402.1	1458.4	1499.0	1550.3	1474.9	1461.2	1672.4	1865.0	1944.2	1400.0
57.5°	1299.0	1308.4	1404.1	1491.7	1634.3	1651.8	1588.1	1780.0	1954.1	2071.4	1510.2
60°	1091.4	1110.9	1240.9	1374.9	1596.5	1779.0	1847.8	1926.2	2071.1	2201.3	1643.9
62.5°	697.0	704.6	886.8	1111.2	1426.2	1766.5	2130.5	2183.8	2249.3	2370.6	1850.0
65°	349.0	373.4	480.2	663.2	1028.4	1556.6	2273.4	2655.6	2575.4	2660.5	2184.1
67.5°	236.8	244.7	298.7	398.5	603.1	1102.8	2184.8	3053.1	3029.5	3043.5	2540.2
70°	174.6	179.7	222.3	282.2	364.7	626.2	1739.4	3023.2	3184.3	3179.3	2502.8
72.5°	127.4	130.0	162.2	215.5	270.3	323.9	1062.2	2442.2	2779.8	2926.2	2188.9
75°	92.6	95.7	112.7	161.2	210.2	202.0	524.4	1764.0	2119.8	2401.6	1783.3
77.5°	69.0	72.8	80.7	101.0	147.2	144.7	226.7	1145.5	1371.1	1568.6	1083.3
80°	49.7	50.5	55.1	64.7	93.4	84.8	107.9	597.2	684.8	750.3	424.6
82.5°	30.2	31.0	36.8	39.8	57.9	53.3	56.1	193.4	277.2	294.2	158.6
85°	8.9	9.4	16.8	18.3	24.1	22.8	22.6	78.7	93.9	120.1	62.4
87.5°	0.0	0.0	0.0	0.0	0.3	1.5	2.8	14.0	21.1	29.2	15.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7	409.7
2.5°	414.0	408.1	405.1	399.8	395.9	392.1	388.3	384.8	383.3	381.0	381.5
5°	421.3	412.2	403.1	392.6	383.8	376.4	369.8	364.0	361.4	359.1	360.2
7.5°	432.5	418.8	401.3	382.2	368.3	358.1	351.3	347.2	345.9	344.2	344.2
10°	446.7	426.2	395.4	368.3	351.5	343.4	340.4	340.1	341.4	341.6	341.1
12.5°	462.4	433.3	386.8	351.8	337.6	335.0	337.3	341.6	345.9	348.2	347.7
15°	478.7	437.8	372.1	336.0	327.4	330.7	338.1	346.7	355.1	359.4	359.1
17.5°	493.9	438.8	353.1	320.8	318.5	326.9	339.6	353.1	364.5	370.6	370.8
20°	510.9	437.1	333.5	307.1	309.7	323.4	340.1	356.4	369.8	375.9	377.4
22.5°	526.4	431.0	314.5	294.2	302.0	319.0	336.0	351.3	363.2	369.0	371.1
25°	540.4	419.3	293.7	283.3	296.2	313.0	325.9	336.6	344.9	348.5	351.3
27.5°	548.0	401.8	277.9	274.6	290.6	304.3	311.4	314.7	317.5	316.5	318.5
30°	549.5	380.0	264.2	267.8	282.2	292.4	293.9	290.6	285.8	277.9	279.7
32.5°	548.0	354.8	252.8	260.4	272.8	278.9	276.9	268.3	256.6	244.4	245.2
35°	548.5	329.4	243.4	252.3	261.9	265.2	260.2	248.2	235.8	224.6	224.1
37.5°	554.1	308.1	235.5	244.4	251.3	251.8	246.2	233.8	227.4	219.0	218.0
40°	569.6	292.4	228.4	236.6	240.9	240.6	234.3	225.4	229.7	226.9	226.1
42.5°	594.9	282.7	222.6	228.2	231.2	231.7	226.7	221.1	230.5	226.9	225.6
45°	635.8	282.2	218.5	219.8	224.6	228.2	224.6	218.3	221.8	204.6	201.3
47.5°	684.3	290.9	215.5	212.4	220.8	227.2	221.6	211.4	204.1	188.3	186.0
50°	742.7	308.4	212.7	204.6	215.2	223.4	217.8	203.8	192.6	184.3	183.0
52.5°	811.9	331.5	209.1	195.7	206.9	221.3	217.8	203.1	188.3	180.7	179.4
55°	884.5	358.1	205.1	185.0	197.5	221.8	219.5	197.7	185.0	181.0	180.0
57.5°	974.6	390.1	197.7	172.6	189.1	217.3	212.4	194.7	182.7	179.4	178.4
60°	1091.6	437.6	183.8	159.9	179.4	209.1	206.1	189.6	176.7	173.9	173.1
62.5°	1276.9	518.0	166.8	147.7	168.0	192.1	196.7	180.0	169.0	168.8	168.5
65°	1579.0	614.7	146.7	136.8	156.1	178.2	184.3	170.1	161.2	164.0	163.7
67.5°	1790.6	623.1	130.2	125.4	142.1	162.9	171.8	159.9	150.3	155.6	155.3
70°	1640.1	486.1	116.0	113.5	127.2	146.4	158.4	147.2	137.6	142.6	141.6
72.5°	1383.3	372.6	102.5	101.0	111.9	129.2	141.1	134.5	124.4	124.4	122.1
75°	1111.7	307.4	88.3	87.6	94.9	111.7	125.1	114.0	104.6	104.1	102.5
77.5°	637.6	201.5	74.1	73.6	75.9	93.4	97.2	94.9	87.8	84.5	83.5
80°	254.1	104.8	58.4	55.1	57.4	68.5	76.7	72.8	66.8	62.7	60.4
82.5°	98.5	52.5	41.1	36.0	39.3	49.5	55.6	54.3	50.3	41.1	38.6
85°	40.1	25.6	24.6	20.8	22.8	26.7	32.0	27.7	22.8	16.2	15.5
87.5°	10.7	9.4	9.1	5.6	4.3	1.3	0.3	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)