

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: P629652

Luminaire Tested: GWS-SA1C-722-U-T4FT-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629652  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-722-U-T4FT-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

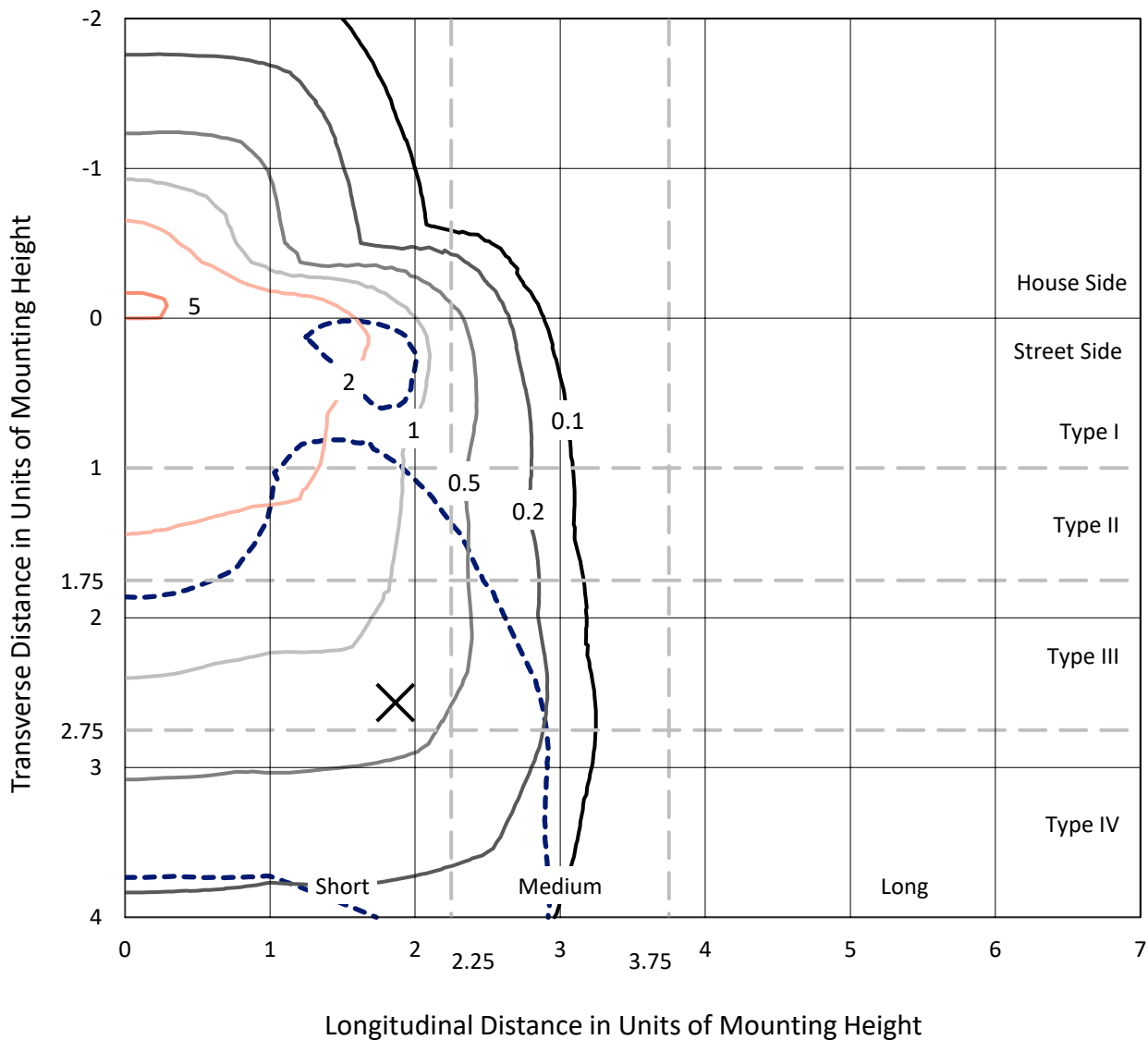
Lumens per Lamp: N/A  
Luminaire Lumens: 3419.8 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

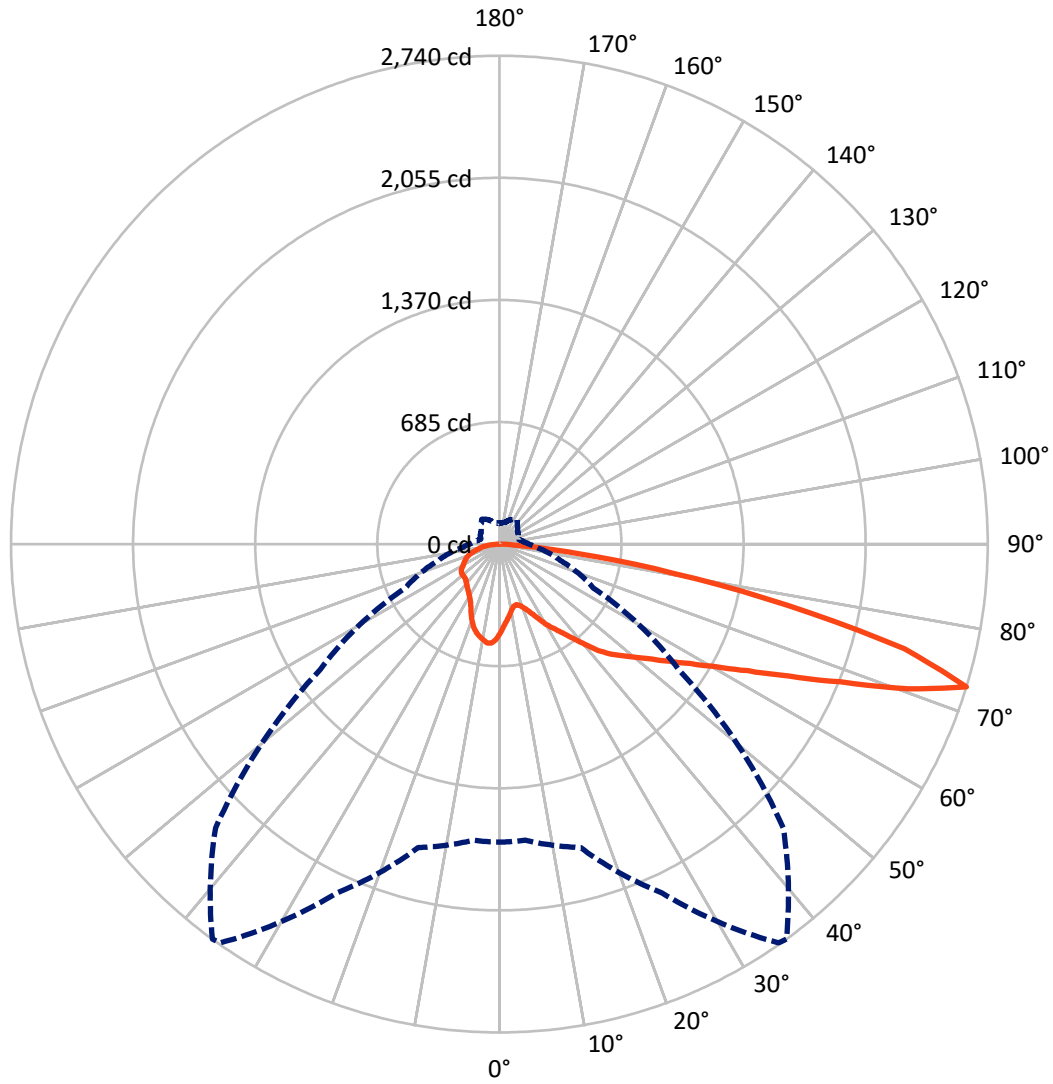
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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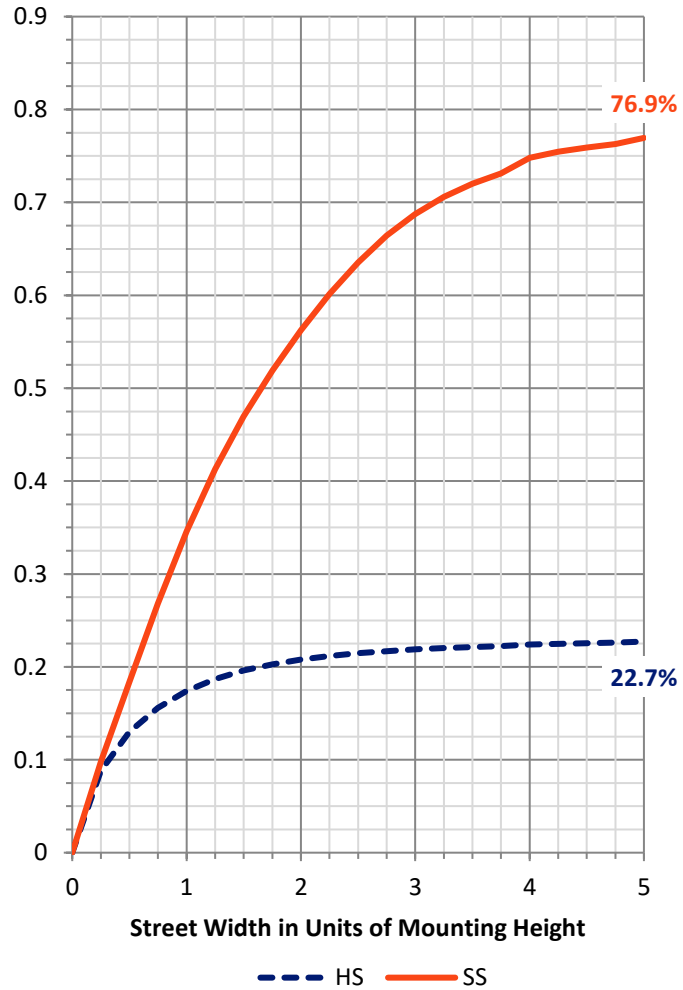
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	788.4	0.0	788.4
	% Fixture	23.1	0.0	23.1
<b>Street Side</b>	Lumens	2631.4	0.0	2631.4
	% Fixture	76.9	0.0	76.9
<b>Total</b>	Lumens	3419.8	0.0	3419.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	1.4
10°-20°	132.0	3.9
20°-30°	218.6	6.4
30°-40°	327.4	9.6
40°-50°	477.6	14.0
50°-60°	679.8	19.9
60°-70°	858.9	25.1
70°-80°	612.0	17.9
80°-90°	66.8	2.0
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°	3419.8	100.0
0°-180°	3419.8	100.0

**Coefficient of Utilization**



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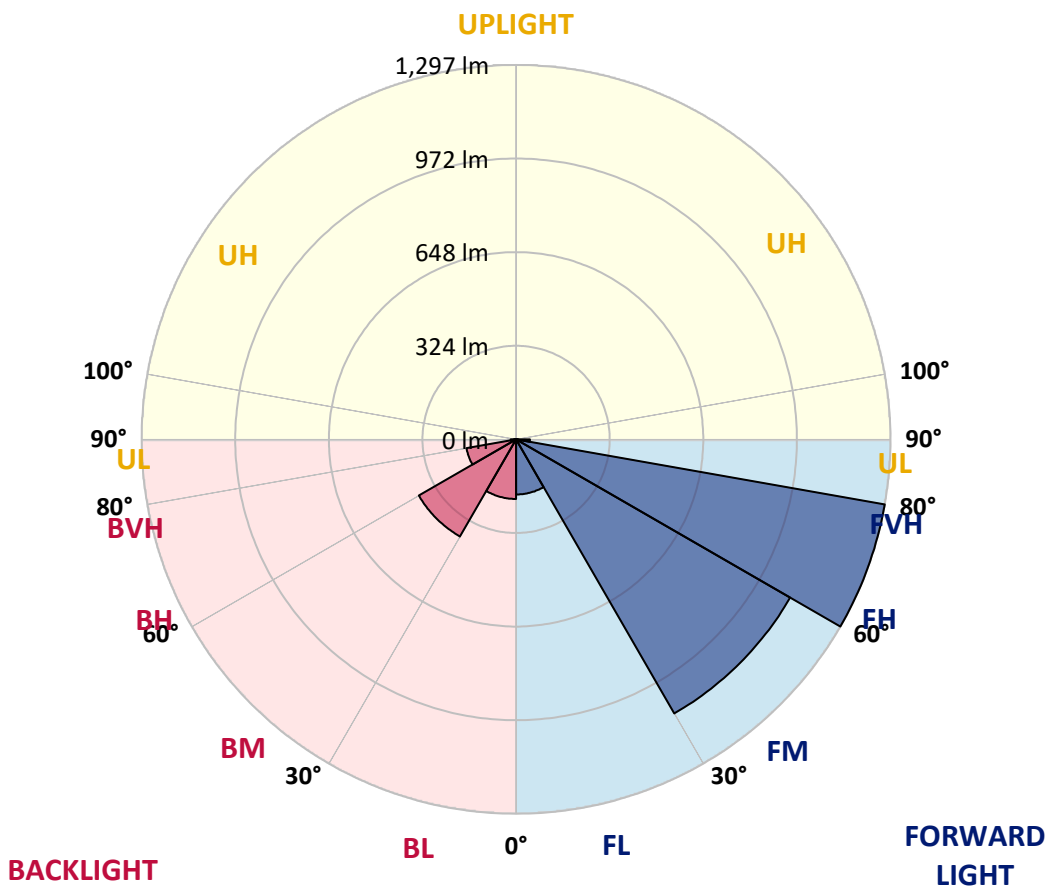
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.9	5.6			
FM (30°-60°)	1096.0	32.0			
FH (60°-80°)	1296.6	37.9			G1/1800
FVH (80°-90°)	48.0	1.4			G1/100
BL (0°-30°)	206.5	6.0	B1/500		
BM (30°-60°)	388.8	11.4	B1/1000		
BH (60°-80°)	174.3	5.1	B1/500		G1/500
BVH (80°-90°)	18.9	0.6			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
2.5°	456.6	455.8	454.3	458.9	463.4	462.9	469.3	475.4	482.0	488.8	498.0
5°	420.0	419.5	418.3	425.1	432.0	431.7	442.1	452.0	465.5	480.2	498.5
7.5°	383.5	382.2	384.0	392.6	402.3	403.3	417.5	433.8	453.3	475.4	501.3
10°	351.3	351.0	351.8	361.4	375.9	376.9	395.2	417.8	443.7	473.1	507.6
12.5°	342.9	342.4	340.4	345.2	356.1	357.6	377.7	405.3	437.1	474.4	516.2
15°	356.6	355.3	348.2	345.9	351.3	352.5	369.5	398.0	433.2	476.6	527.2
17.5°	380.2	379.4	366.0	356.6	360.1	361.2	373.9	396.7	432.2	481.2	540.6
20°	414.7	411.4	390.4	376.1	376.1	377.7	385.3	402.3	433.5	486.8	555.8
22.5°	460.4	453.8	424.1	404.8	399.7	401.8	405.1	416.2	438.8	496.2	574.9
25°	511.7	505.6	470.3	443.1	436.0	436.8	434.0	436.0	450.5	509.1	598.5
27.5°	566.2	562.2	524.6	490.1	478.9	478.9	469.0	464.2	466.7	523.9	624.9
30°	615.0	609.4	577.7	539.8	525.1	525.1	506.3	495.9	489.8	541.9	660.1
32.5°	640.6	637.3	616.2	587.3	569.3	566.5	550.2	538.1	523.9	568.5	707.9
35°	674.1	673.3	660.7	638.1	615.2	611.2	600.0	590.3	565.7	601.8	771.3
37.5°	716.2	715.0	712.9	699.5	672.1	671.3	661.4	649.7	617.8	649.7	848.2
40°	763.4	761.2	758.6	758.4	741.9	739.1	738.3	725.1	680.5	707.6	928.4
42.5°	828.4	820.6	796.7	807.4	819.5	817.0	826.6	806.8	758.6	776.4	1004.3
45°	908.4	889.1	841.9	844.9	875.6	880.7	914.2	909.4	844.7	855.8	1084.3
47.5°	956.3	939.6	895.7	893.1	931.5	937.8	1010.7	1019.8	937.3	951.5	1183.0
50°	995.7	984.0	948.0	951.5	992.1	998.5	1106.3	1125.9	1024.6	1049.5	1297.7
52.5°	1043.1	1026.4	998.5	1015.2	1065.0	1072.6	1212.7	1233.7	1103.3	1157.1	1416.5
55°	1069.8	1062.9	1063.4	1089.1	1151.5	1161.9	1324.1	1320.5	1175.4	1249.2	1505.8
57.5°	1131.2	1128.7	1152.0	1161.7	1252.5	1266.0	1435.5	1405.1	1240.9	1320.5	1548.7
60°	1239.6	1233.2	1253.5	1268.3	1377.4	1396.4	1559.9	1487.8	1285.3	1373.6	1534.2
62.5°	1391.9	1384.0	1384.8	1408.1	1544.7	1564.7	1698.2	1556.8	1299.0	1381.7	1442.6
65°	1581.2	1569.8	1556.8	1588.6	1766.7	1783.5	1848.7	1607.1	1266.2	1303.5	1251.3
67.5°	1780.9	1771.6	1756.3	1822.8	2054.3	2064.4	2017.5	1602.8	1162.4	1094.4	877.7
70°	1792.6	1794.9	1867.0	2107.6	2429.7	2432.2	2177.1	1516.0	941.4	709.4	437.3
72.5°	1672.3	1668.5	1762.4	2159.6	2731.7	2740.3	2252.5	1228.2	581.7	353.8	205.1
75°	1358.4	1365.0	1463.7	1889.6	2341.3	2349.0	1836.3	724.1	276.4	173.1	131.2
77.5°	584.8	621.6	816.2	1331.2	1676.9	1653.3	946.4	293.4	147.5	123.3	100.5
80°	168.8	183.2	290.9	633.0	1004.8	987.0	374.6	109.9	102.8	92.6	72.1
82.5°	54.6	60.4	106.6	252.0	450.2	449.7	142.1	65.0	67.3	62.9	46.4
85°	15.2	17.5	32.7	76.4	139.3	136.5	41.1	30.7	35.8	36.3	23.1
87.5°	0.0	0.0	0.3	0.5	0.5	0.5	1.0	4.6	10.4	13.2	9.4
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°	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5	500.5
2.5°	503.5	502.8	513.2	521.3	528.9	534.0	535.5	536.5	538.6	539.6	538.6
5°	507.1	510.9	528.2	540.9	551.0	557.1	557.4	556.8	558.4	557.1	556.3
7.5°	514.7	522.1	543.9	557.4	564.0	564.2	558.1	551.0	547.5	544.4	543.4
10°	524.9	535.8	559.6	568.5	566.5	557.1	543.6	532.5	526.1	521.6	520.6
12.5°	538.8	551.0	573.6	573.3	560.7	543.9	528.2	514.7	505.6	500.2	498.5
15°	552.0	567.5	583.8	571.8	551.8	531.5	511.2	493.1	481.0	472.6	471.1
17.5°	568.3	584.8	591.1	567.0	540.6	514.5	487.3	463.7	447.2	437.3	436.5
20°	587.1	601.8	594.7	558.6	526.1	491.9	455.1	428.7	410.9	401.3	402.0
22.5°	608.9	619.5	595.7	547.2	506.1	459.9	418.8	393.4	381.5	376.4	376.6
25°	632.2	639.1	593.9	531.7	475.4	420.8	381.5	369.8	368.8	367.5	368.0
27.5°	659.9	658.4	588.6	509.9	434.0	375.4	355.3	358.4	362.4	361.9	362.4
30°	696.9	682.5	581.7	479.7	384.8	337.3	339.8	348.5	353.8	354.3	355.8
32.5°	739.3	709.1	570.8	438.6	337.8	316.0	325.4	335.8	342.1	343.4	345.4
35°	789.8	739.6	551.5	387.3	304.1	303.3	311.9	319.0	325.9	326.4	326.4
37.5°	848.0	770.0	520.8	330.7	283.2	292.4	300.5	302.0	303.8	302.3	303.0
40°	901.3	799.5	477.2	279.2	266.2	282.7	289.6	284.5	278.9	275.1	275.9
42.5°	945.9	819.5	419.3	243.1	249.0	274.1	279.4	269.0	258.1	251.0	252.0
45°	996.2	838.1	351.3	218.8	234.3	268.0	271.6	258.1	244.2	233.5	232.0
47.5°	1065.5	875.9	290.9	201.8	223.9	264.7	270.6	252.3	234.0	218.0	216.2
50°	1151.0	929.4	240.4	190.6	219.0	262.9	270.3	245.9	224.1	205.3	204.1
52.5°	1244.4	981.7	203.0	182.0	214.2	257.6	269.0	238.8	213.7	193.4	191.9
55°	1306.6	1002.3	177.9	173.9	206.3	249.2	264.0	232.0	198.0	179.4	177.2
57.5°	1324.9	975.9	160.4	166.5	196.2	237.6	254.3	217.5	188.3	173.6	171.8
60°	1293.4	909.4	149.5	160.4	185.0	222.6	237.6	209.1	180.7	167.5	166.2
62.5°	1204.6	806.8	141.1	154.1	173.6	206.9	226.9	199.0	172.3	161.9	160.2
65°	1025.9	661.7	134.3	147.5	162.7	191.9	215.2	188.8	163.2	155.3	153.3
67.5°	717.5	464.7	126.9	139.6	151.8	177.4	203.0	179.4	153.8	148.0	145.9
70°	350.8	246.4	118.0	130.5	140.1	162.7	190.9	168.0	141.4	138.1	135.3
72.5°	167.0	137.8	107.6	118.0	124.1	143.1	170.6	151.5	126.6	119.5	114.7
75°	111.9	98.0	93.9	103.3	104.8	120.0	146.2	130.7	111.7	103.6	99.5
77.5°	84.8	74.9	78.9	87.3	84.3	98.7	120.3	116.5	100.8	93.4	91.4
80°	59.6	54.6	62.7	67.8	65.5	84.0	108.4	99.7	83.0	74.9	73.3
82.5°	37.6	36.5	46.2	47.0	47.7	66.5	89.1	78.4	64.5	53.0	49.2
85°	18.8	20.8	27.7	27.7	27.4	34.3	50.8	44.2	34.8	27.7	26.9
87.5°	6.3	8.9	11.9	9.6	7.4	5.8	6.6	8.1	8.6	8.4	8.4
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)