

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: P629157

Luminaire Tested: GWS-SA1B-722-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629157
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-SA1B-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: 2550 lumens
Efficiency: N/A
Efficacy: 102.0 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

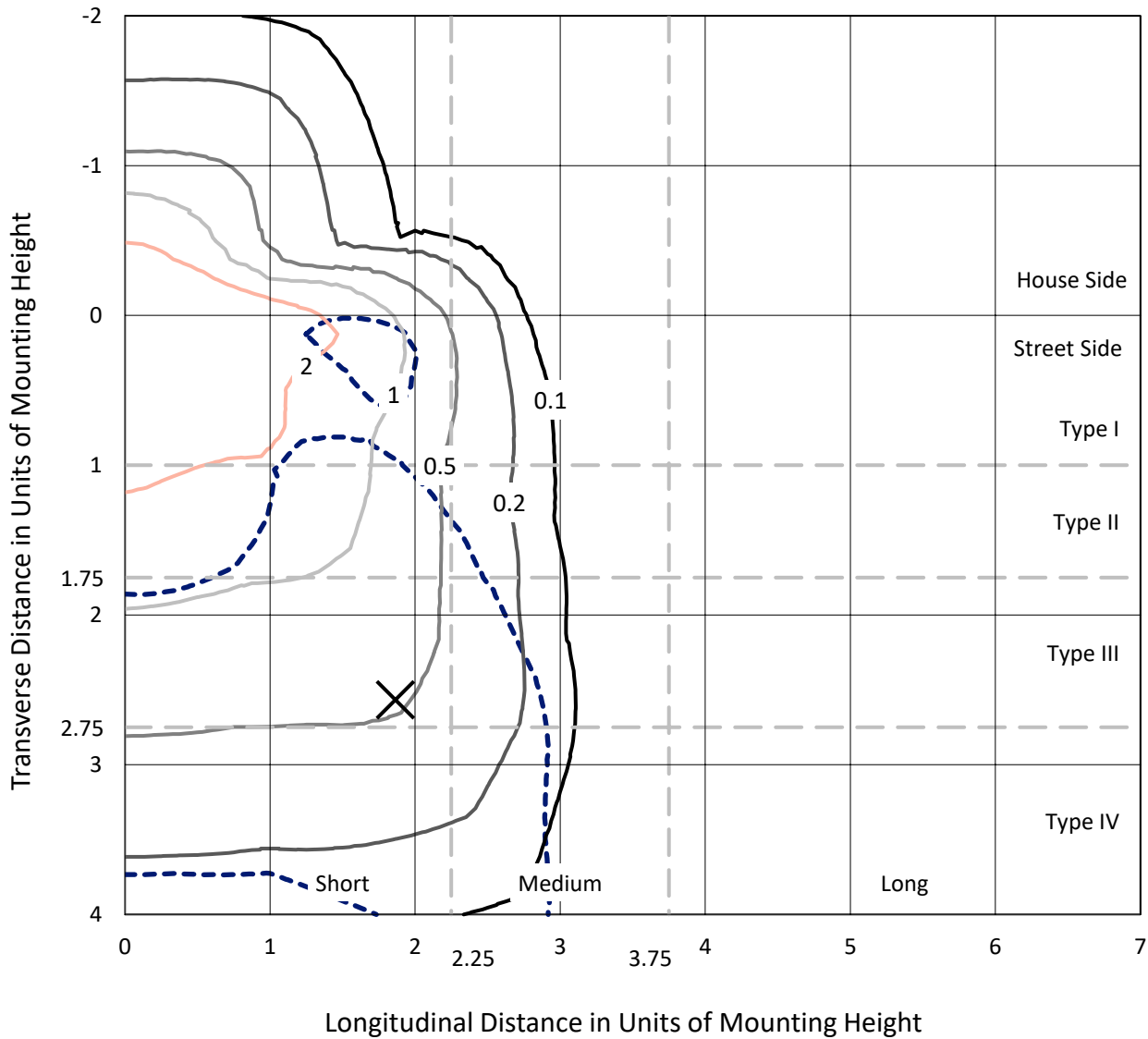
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

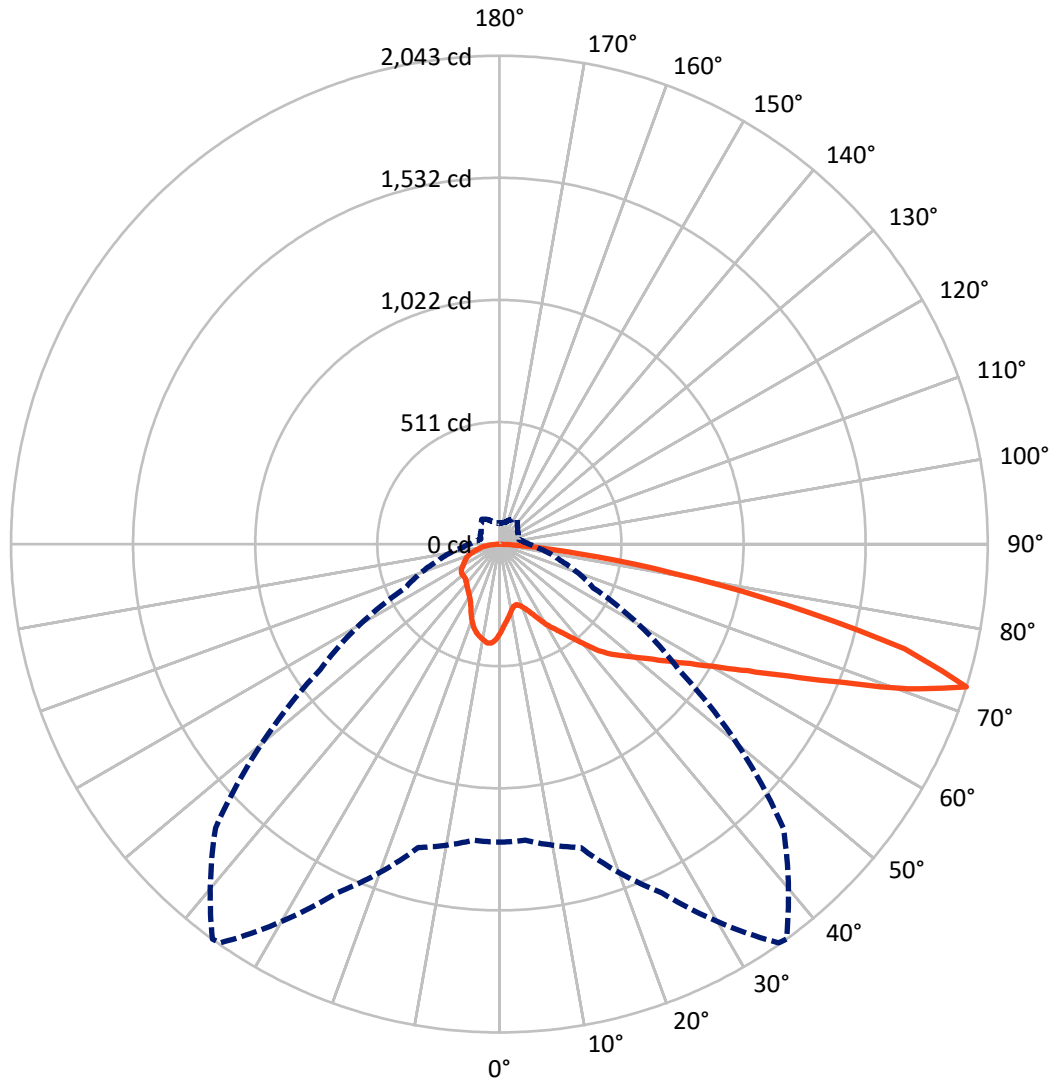
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 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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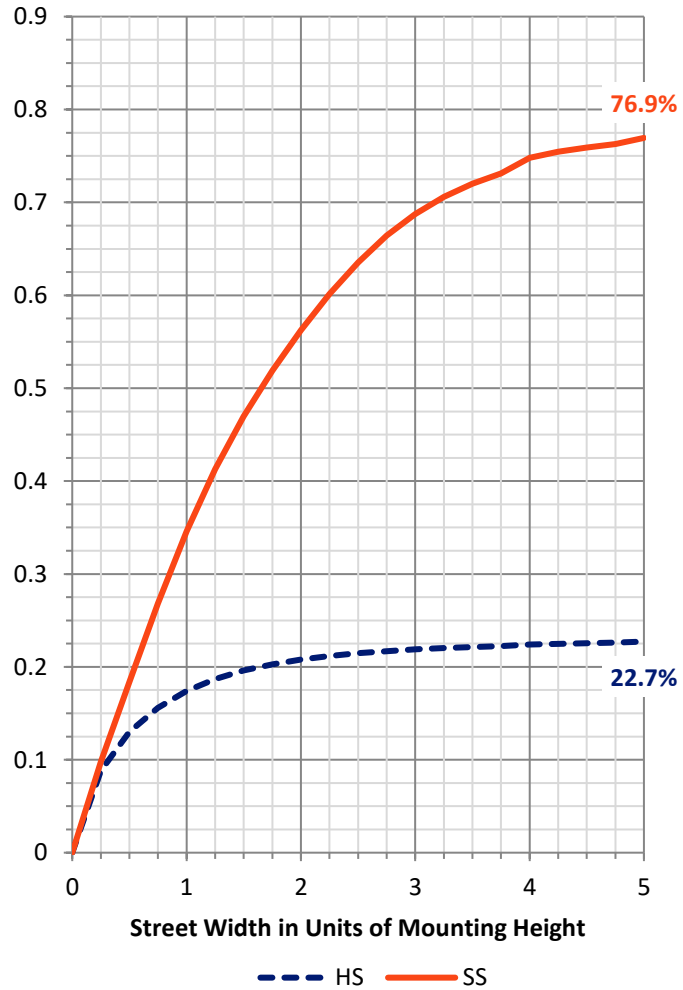
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	587.9	0.0	587.9
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1962.1	0.0	1962.1
	% Fixture	76.9	0.0	76.9
Total	Lumens	2550.0	0.0	2550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.9	1.4
10°-20°	98.4	3.9
20°-30°	163.0	6.4
30°-40°	244.1	9.6
40°-50°	356.1	14.0
50°-60°	506.9	19.9
60°-70°	640.4	25.1
70°-80°	456.3	17.9
80°-90°	49.8	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°	2550.0	100.0
0°-180°	2550.0	100.0

Coefficient of Utilization



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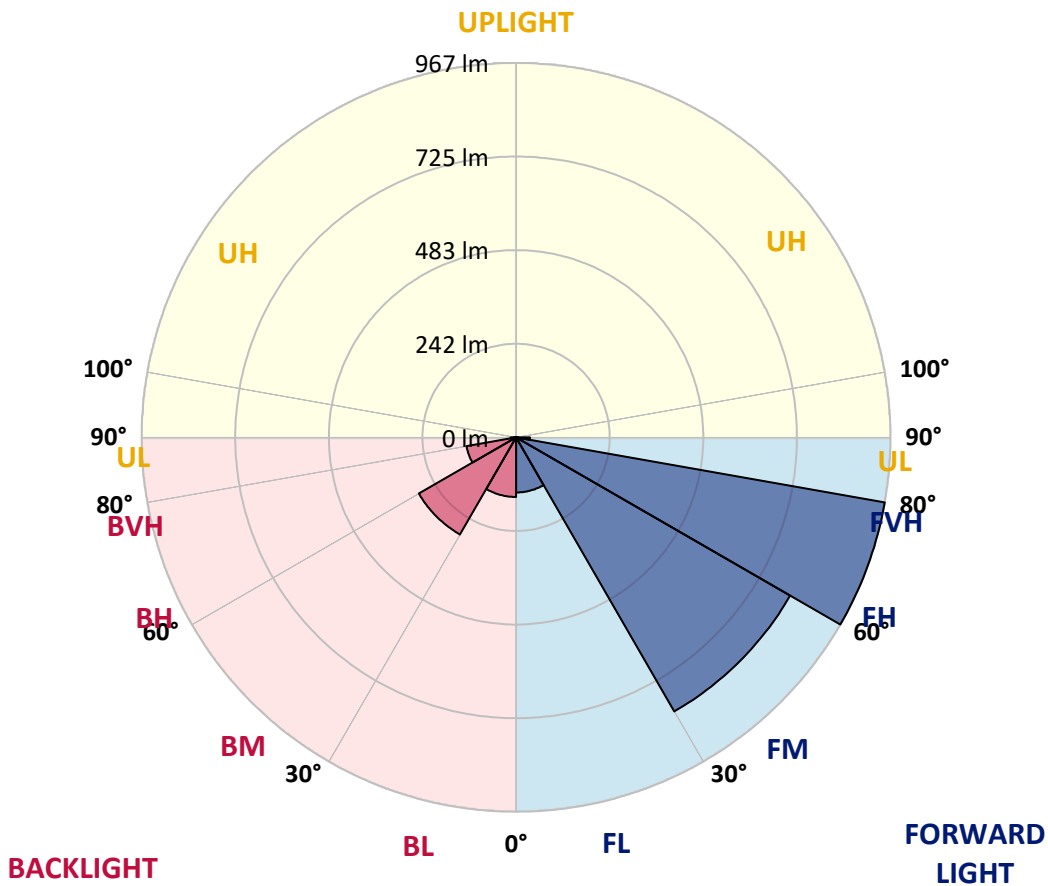
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	142.4	5.6			
FM (30°-60°)	817.2	32.0			
FH (60°-80°)	966.8	37.9			G1/1800
FVH (80°-90°)	35.8	1.4			G1/100
BL (0°-30°)	153.9	6.0	B1/500		
BM (30°-60°)	289.9	11.4	B1/1000		
BH (60°-80°)	130.0	5.1	B1/500		G1/500
BVH (80°-90°)	14.1	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°	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2
2.5°	340.5	339.9	338.8	342.2	345.6	345.2	349.9	354.5	359.4	364.5	371.3
5°	313.2	312.8	311.9	317.0	322.1	321.9	329.7	337.1	347.1	358.1	371.7
7.5°	286.0	285.0	286.3	292.8	300.0	300.7	311.3	323.4	338.0	354.5	373.8
10°	261.9	261.7	262.3	269.5	280.3	281.0	294.7	311.5	330.8	352.8	378.5
12.5°	255.7	255.3	253.8	257.4	265.5	266.7	281.6	302.2	325.9	353.7	384.9
15°	265.9	265.0	259.7	257.9	261.9	262.9	275.6	296.7	323.1	355.4	393.1
17.5°	283.5	282.9	272.9	265.9	268.5	269.3	278.8	295.8	322.3	358.8	403.1
20°	309.2	306.8	291.1	280.5	280.5	281.6	287.3	300.0	323.2	363.0	414.5
22.5°	343.3	338.4	316.2	301.9	298.1	299.6	302.0	310.4	327.2	370.0	428.7
25°	381.5	377.0	350.7	330.4	325.1	325.7	323.6	325.1	335.9	379.6	446.3
27.5°	422.2	419.2	391.2	365.4	357.1	357.1	349.7	346.1	348.0	390.6	465.9
30°	458.6	454.4	430.7	402.5	391.6	391.6	377.6	369.8	365.3	404.1	492.2
32.5°	477.7	475.2	459.5	437.9	424.5	422.4	410.3	401.2	390.6	423.9	527.8
35°	502.7	502.1	492.6	475.8	458.7	455.7	447.4	440.2	421.8	448.7	575.1
37.5°	534.1	533.1	531.6	521.6	501.1	500.6	493.2	484.5	460.6	484.5	632.5
40°	569.3	567.6	565.7	565.5	553.2	551.1	550.5	540.7	507.4	527.6	692.3
42.5°	617.7	611.9	594.1	602.0	611.1	609.2	616.4	601.6	565.7	578.9	748.9
45°	677.3	662.9	627.7	630.0	652.9	656.7	681.7	678.1	629.8	638.2	808.5
47.5°	713.1	700.6	667.9	666.0	694.6	699.3	753.6	760.4	698.9	709.5	882.1
50°	742.4	733.7	706.9	709.5	739.8	744.5	824.9	839.5	764.0	782.6	967.6
52.5°	777.8	765.3	744.5	757.0	794.1	799.8	904.2	920.0	822.7	862.8	1056.2
55°	797.7	792.6	793.0	812.1	858.6	866.4	987.3	984.7	876.4	931.5	1122.8
57.5°	843.5	841.6	859.0	866.2	934.0	944.0	1070.4	1047.7	925.3	984.7	1154.8
60°	924.3	919.6	934.7	945.7	1027.1	1041.3	1163.1	1109.4	958.4	1024.2	1144.0
62.5°	1037.9	1032.0	1032.6	1050.0	1151.8	1166.7	1266.3	1160.9	968.6	1030.3	1075.7
65°	1179.0	1170.5	1160.9	1184.5	1317.4	1329.9	1378.5	1198.3	944.2	972.0	933.0
67.5°	1328.0	1321.0	1309.6	1359.2	1531.8	1539.4	1504.4	1195.1	866.8	816.1	654.4
70°	1336.7	1338.4	1392.1	1571.5	1811.7	1813.6	1623.4	1130.4	701.9	529.0	326.1
72.5°	1247.0	1244.1	1314.2	1610.3	2036.9	2043.3	1679.6	915.8	433.8	263.8	152.9
75°	1012.9	1017.8	1091.4	1409.0	1745.8	1751.5	1369.2	539.9	206.1	129.1	97.8
77.5°	436.0	463.5	608.6	992.6	1250.4	1232.8	705.7	218.8	110.0	92.0	74.9
80°	125.9	136.6	216.9	472.0	749.2	736.0	279.3	81.9	76.6	69.1	53.7
82.5°	40.7	45.0	79.5	187.9	335.7	335.4	106.0	48.4	50.2	46.9	34.6
85°	11.4	13.1	24.4	57.0	103.9	101.8	30.7	22.9	26.7	27.1	17.2
87.5°	0.0	0.0	0.2	0.4	0.4	0.4	0.8	3.4	7.8	9.8	7.0
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°	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2
2.5°	375.5	374.9	382.7	388.7	394.4	398.2	399.3	400.1	401.6	402.3	401.6
5°	378.1	381.0	393.8	403.3	410.9	415.4	415.6	415.2	416.4	415.4	414.8
7.5°	383.8	389.3	405.6	415.6	420.5	420.7	416.2	410.9	408.2	405.9	405.2
10°	391.4	399.5	417.3	423.9	422.4	415.4	405.4	397.0	392.3	388.9	388.2
12.5°	401.8	410.9	427.7	427.5	418.1	405.6	393.8	383.8	377.0	373.0	371.7
15°	411.6	423.2	435.3	426.4	411.4	396.3	381.2	367.7	358.6	352.4	351.3
17.5°	423.7	436.0	440.8	422.8	403.1	383.6	363.4	345.8	333.5	326.1	325.5
20°	437.7	448.7	443.4	416.5	392.3	366.8	339.3	319.6	306.4	299.2	299.8
22.5°	454.0	462.0	444.2	408.0	377.4	342.9	312.3	293.3	284.4	280.7	280.8
25°	471.4	476.5	442.8	396.5	354.5	313.8	284.4	275.7	275.0	274.0	274.4
27.5°	492.1	490.9	438.9	380.2	323.6	279.9	265.0	267.2	270.3	269.9	270.3
30°	519.7	508.9	433.8	357.7	286.9	251.5	253.4	259.8	263.8	264.2	265.3
32.5°	551.3	528.8	425.6	327.0	251.9	235.6	242.6	250.4	255.1	256.1	257.6
35°	589.0	551.5	411.2	288.8	226.7	226.2	232.6	237.9	243.0	243.4	243.4
37.5°	632.3	574.2	388.3	246.6	211.2	218.0	224.1	225.2	226.5	225.4	226.0
40°	672.0	596.1	355.8	208.2	198.5	210.8	215.9	212.2	208.0	205.1	205.7
42.5°	705.3	611.1	312.6	181.3	185.7	204.4	208.4	200.6	192.5	187.2	187.9
45°	742.8	624.9	261.9	163.1	174.7	199.8	202.5	192.5	182.1	174.1	173.0
47.5°	794.5	653.1	216.9	150.5	166.9	197.4	201.7	188.1	174.5	162.6	161.2
50°	858.3	693.0	179.2	142.1	163.3	196.1	201.6	183.4	167.1	153.1	152.2
52.5°	927.9	732.0	151.4	135.7	159.7	192.1	200.6	178.1	159.3	144.2	143.1
55°	974.3	747.4	132.7	129.6	153.9	185.8	196.8	173.0	147.6	133.8	132.1
57.5°	987.9	727.7	119.6	124.1	146.3	177.1	189.6	162.2	140.4	129.4	128.1
60°	964.4	678.1	111.5	119.6	138.0	166.0	177.1	155.9	134.7	124.9	124.0
62.5°	898.2	601.6	105.2	114.9	129.4	154.2	169.2	148.4	128.5	120.7	119.4
65°	765.0	493.4	100.1	110.0	121.3	143.1	160.5	140.8	121.7	115.8	114.3
67.5°	535.0	346.5	94.6	104.1	113.2	132.3	151.4	133.8	114.7	110.3	108.8
70°	261.5	183.8	88.0	97.3	104.5	121.3	142.3	125.3	105.4	103.0	100.9
72.5°	124.5	102.8	80.2	88.0	92.5	106.7	127.2	113.0	94.4	89.1	85.5
75°	83.5	73.1	70.0	77.0	78.2	89.5	109.0	97.5	83.3	77.2	74.2
77.5°	63.2	55.8	58.9	65.1	62.8	73.6	89.7	86.9	75.1	69.6	68.1
80°	44.5	40.7	46.7	50.5	48.8	62.6	80.8	74.4	61.9	55.8	54.7
82.5°	28.0	27.3	34.4	35.0	35.6	49.6	66.4	58.5	48.1	39.6	36.7
85°	14.0	15.5	20.6	20.6	20.4	25.5	37.9	32.9	25.9	20.6	20.1
87.5°	4.7	6.6	8.9	7.2	5.5	4.4	4.9	6.1	6.4	6.2	6.2
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)