

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: P631125

Luminaire Tested: GWS-SA1F-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6327.9 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

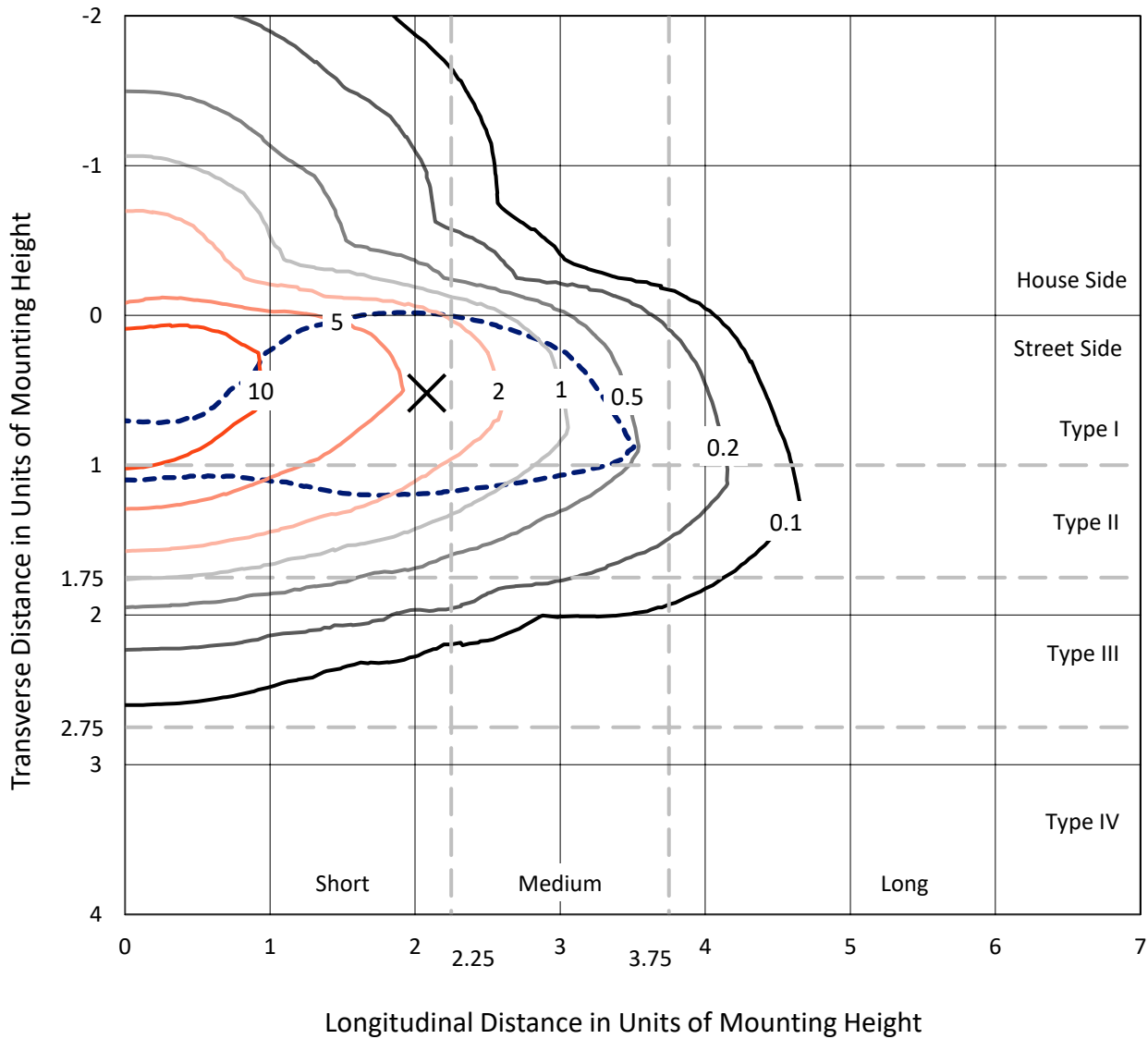
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

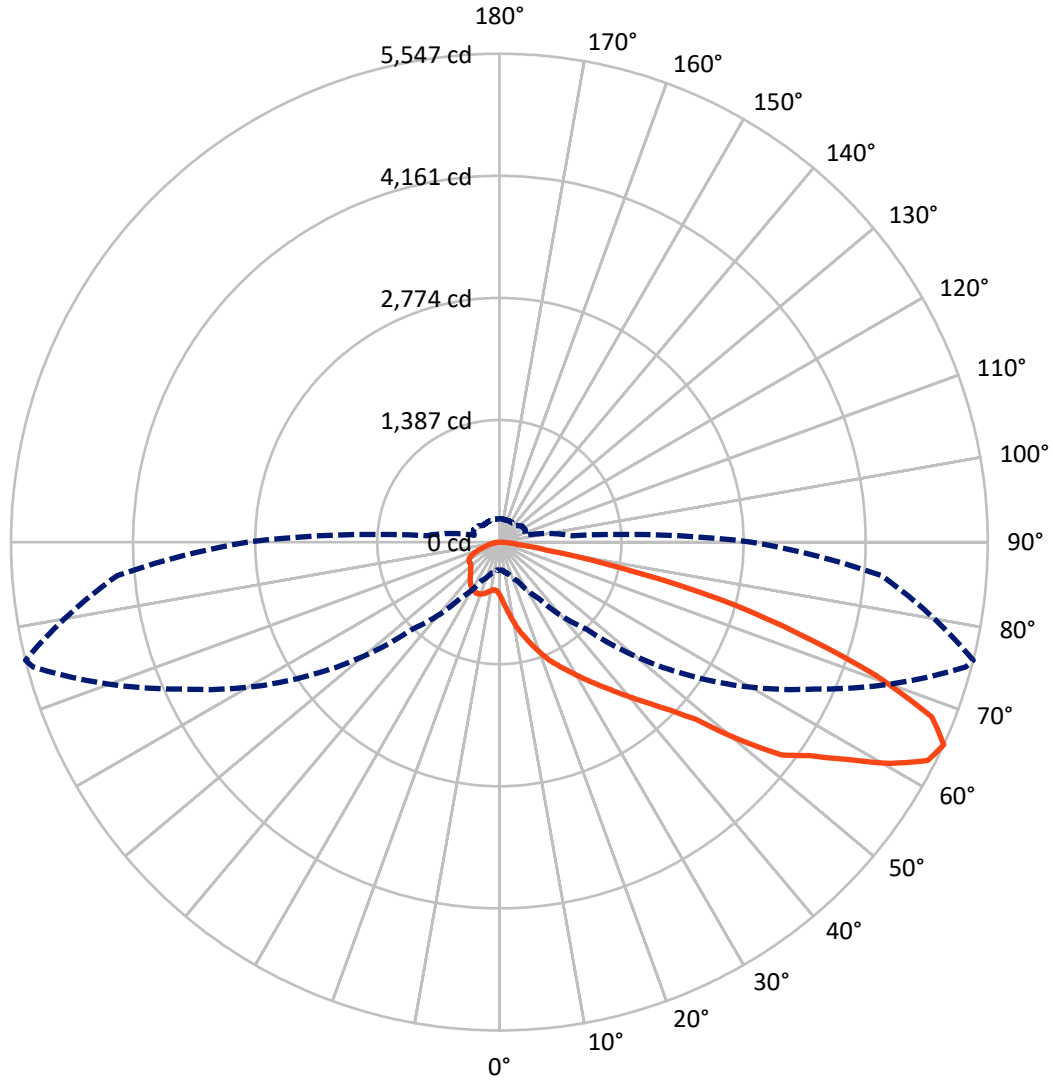
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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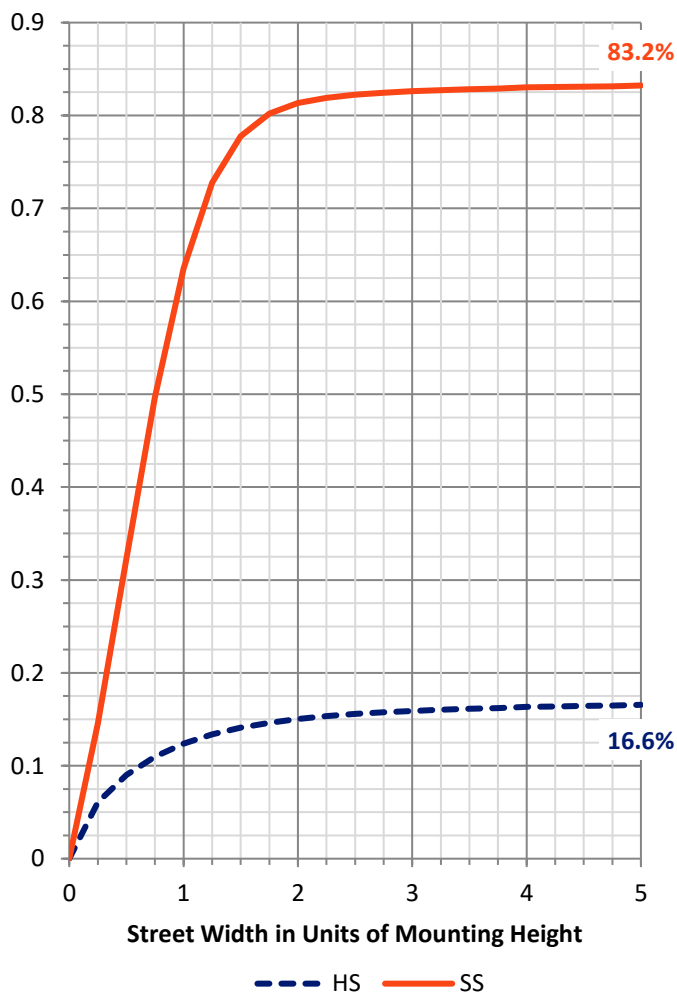
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1057.7	0.0	1057.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	5270.2	0.0	5270.2
	% Fixture	83.3	0.0	83.3
Total	Lumens	6327.9	0.0	6327.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.2	1.1
10°-20°	271.2	4.3
20°-30°	528.5	8.4
30°-40°	883.8	14.0
40°-50°	1265.4	20.0
50°-60°	1498.1	23.7
60°-70°	1245.7	19.7
70°-80°	509.8	8.1
80°-90°	54.3	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°	6327.9	100.0
0°-180°	6327.9	100.0

Coefficient of Utilization



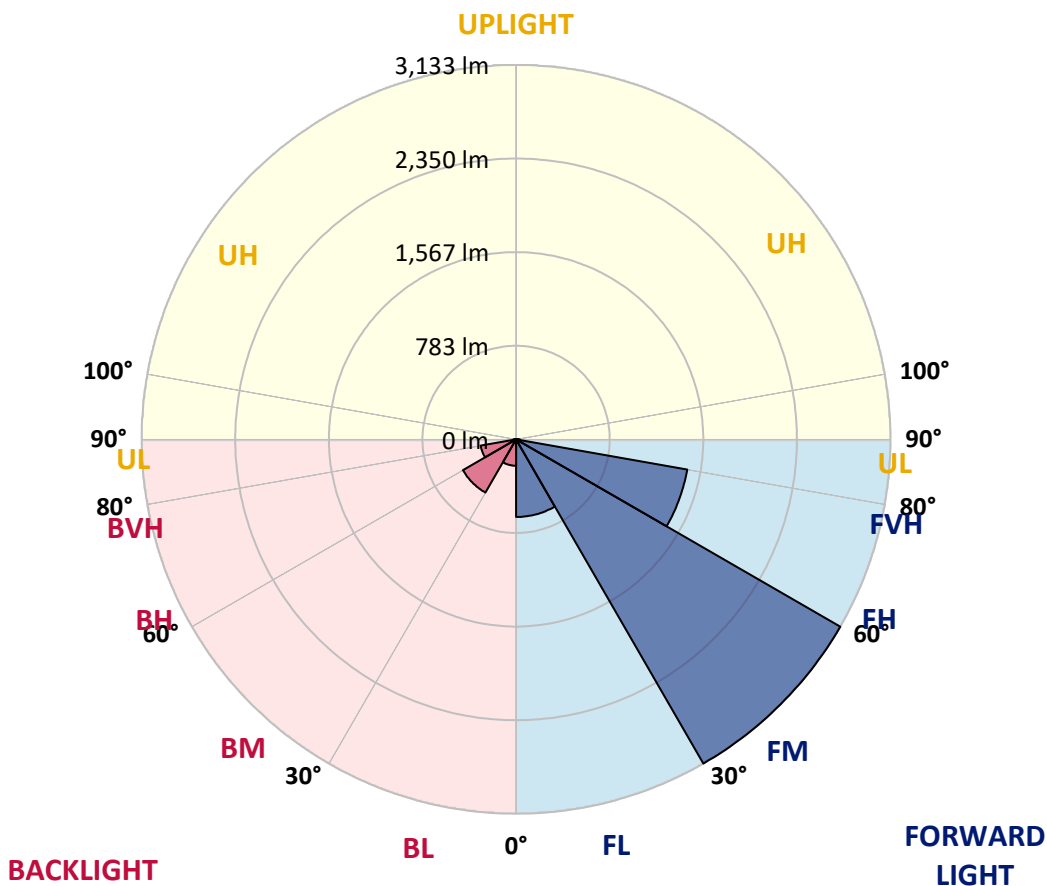
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.5	10.3			
FM (30°-60°)	3133.3	49.5			
FH (60°-80°)	1454.9	23.0			G1/1800
FVH (80°-90°)	32.4	0.5			G1/100
BL (0°-30°)	221.3	3.5	B1/500		
BM (30°-60°)	514.0	8.1	B1/1000		
BH (60°-80°)	300.5	4.7	B1/500		G1/500
BVH (80°-90°)	21.9	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2
2.5°	839.9	843.0	832.8	829.2	805.2	772.7	745.6	704.7	666.8	661.1	627.3
5°	1066.8	1053.4	1041.9	1034.3	1000.9	964.0	906.6	829.7	749.1	739.4	666.4
7.5°	1201.6	1199.3	1185.1	1180.7	1154.9	1117.9	1058.8	963.1	846.1	830.1	719.3
10°	1309.7	1308.3	1301.2	1305.2	1281.6	1245.6	1188.2	1089.5	952.4	936.4	778.5
12.5°	1404.0	1406.2	1404.9	1419.6	1407.5	1379.5	1319.9	1211.4	1058.8	1041.4	850.6
15°	1472.9	1474.7	1481.4	1513.4	1520.1	1514.3	1453.8	1331.0	1163.8	1138.8	924.9
17.5°	1492.5	1496.1	1512.1	1563.7	1599.7	1623.7	1578.8	1452.9	1267.0	1239.8	1000.5
20°	1518.8	1522.8	1538.8	1592.6	1645.5	1700.3	1692.3	1576.6	1371.1	1348.8	1077.0
22.5°	1640.2	1637.1	1630.0	1655.8	1693.6	1761.7	1781.7	1695.4	1478.7	1457.4	1161.5
25°	1874.2	1868.4	1823.0	1799.5	1787.0	1828.4	1864.0	1803.5	1583.7	1551.7	1240.3
27.5°	2132.2	2129.1	2071.3	2015.2	1938.7	1920.9	1941.8	1897.8	1685.6	1653.1	1308.8
30°	2376.5	2367.1	2306.6	2236.3	2134.0	2057.5	2026.8	1990.3	1797.2	1763.4	1388.9
32.5°	2594.9	2582.9	2511.7	2433.8	2326.6	2236.3	2144.7	2088.6	1923.6	1884.4	1470.7
35°	2774.2	2762.1	2689.2	2606.4	2488.6	2421.8	2296.4	2195.4	2052.1	2012.6	1567.2
37.5°	2913.0	2901.8	2825.8	2744.4	2641.6	2588.7	2479.7	2315.5	2200.3	2158.9	1669.6
40°	2990.8	2982.8	2921.9	2857.3	2771.0	2725.2	2676.3	2467.2	2366.2	2324.8	1790.1
42.5°	3014.4	3009.0	2966.3	2933.0	2874.7	2840.0	2868.0	2645.6	2543.3	2507.2	1925.8
45°	2955.2	2955.2	2942.8	2959.7	2962.3	2961.9	3060.2	2847.1	2760.8	2721.2	2117.1
47.5°	2804.0	2813.8	2832.0	2915.2	3002.8	3076.2	3284.9	3115.8	3040.6	3008.2	2388.0
50°	2527.3	2554.0	2616.2	2778.6	2965.0	3151.8	3497.5	3513.1	3584.7	3527.3	2786.6
52.5°	2122.0	2118.0	2276.8	2508.1	2792.4	3155.0	3614.5	3863.6	4056.2	4016.7	3082.9
55°	1686.5	1679.8	1827.9	2146.9	2527.7	3035.7	3684.8	4024.2	4317.8	4282.2	3349.4
57.5°	1291.4	1283.0	1414.7	1702.5	2154.0	2782.6	3671.4	4215.5	4677.7	4659.5	3711.5
60°	888.8	878.6	1001.8	1253.6	1711.8	2395.6	3523.7	4313.8	5099.0	5105.2	4099.0
62.5°	533.8	528.1	617.5	812.8	1231.4	1916.0	3178.1	4254.2	5434.4	5462.5	4348.1
65°	322.1	318.1	370.6	484.9	781.2	1398.2	2645.1	3949.5	5482.9	5547.4	4353.9
67.5°	234.4	234.9	250.0	295.4	455.5	903.1	1985.0	3403.2	5230.2	5297.0	4079.4
70°	203.7	204.6	212.6	222.9	275.4	516.9	1290.5	2686.5	4483.3	4534.9	3421.4
72.5°	181.1	181.1	186.4	191.7	215.3	315.0	691.3	1877.8	3538.4	3552.2	2611.3
75°	159.3	157.9	160.6	163.3	186.8	220.2	336.3	1308.3	2613.6	2581.5	1687.8
77.5°	126.8	125.5	125.9	128.6	149.9	157.5	170.4	817.2	1472.9	1390.2	745.6
80°	90.3	89.4	94.3	101.0	110.8	96.5	106.8	395.5	584.1	543.6	289.2
82.5°	53.8	55.6	63.2	68.5	76.5	60.5	69.0	132.1	206.9	201.5	117.4
85°	7.6	8.0	22.7	26.2	32.9	23.6	36.5	59.6	82.7	88.5	41.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	10.7	23.6	24.0	10.2
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°	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2	599.2
2.5°	609.9	589.0	559.2	534.3	513.4	496.5	482.2	471.6	468.4	464.0	464.0
5°	632.1	594.3	541.0	503.1	481.3	468.4	459.5	455.1	452.9	450.2	448.9
7.5°	662.8	609.9	537.8	499.6	482.7	474.7	468.9	466.2	464.4	461.8	461.8
10°	705.1	633.0	547.6	512.0	498.7	490.7	484.0	479.6	475.6	471.6	470.7
12.5°	750.9	663.3	565.4	528.9	514.7	504.9	495.6	488.9	484.0	479.1	477.8
15°	801.6	694.4	584.5	545.4	527.6	514.3	503.1	492.9	486.2	479.1	478.2
17.5°	851.5	726.0	600.6	556.5	533.8	517.4	501.4	488.0	479.6	471.6	469.3
20°	911.1	757.6	611.7	559.6	532.5	510.7	491.6	474.7	465.3	456.0	454.6
22.5°	965.8	787.0	617.0	555.2	522.3	496.5	474.2	456.0	445.8	436.4	434.6
25°	1018.7	812.8	614.8	544.5	506.7	476.9	453.8	435.5	425.7	415.9	413.3
27.5°	1069.9	830.1	605.9	528.1	487.1	455.1	432.9	416.4	407.9	399.5	395.9
30°	1120.2	846.1	592.1	506.7	462.2	432.4	414.2	402.6	394.1	385.3	382.6
32.5°	1170.9	857.7	571.2	481.8	436.9	412.4	401.3	392.8	383.9	375.0	372.3
35°	1222.0	862.6	545.8	453.3	415.5	399.5	395.5	385.7	373.7	363.0	359.4
37.5°	1283.0	867.0	514.3	425.3	396.8	393.3	392.4	377.7	363.5	348.8	344.8
40°	1356.4	872.8	481.8	399.9	381.7	391.0	387.5	367.5	339.0	324.7	320.3
42.5°	1446.2	883.5	448.0	376.8	370.6	382.6	378.6	342.5	323.4	315.4	313.2
45°	1578.4	922.6	414.2	358.6	362.1	370.6	364.3	327.9	320.3	315.0	312.3
47.5°	1813.7	982.7	384.8	344.8	355.4	359.9	335.9	323.9	318.1	311.0	307.8
50°	2058.4	1008.9	361.2	336.3	347.9	350.1	320.3	318.5	314.5	307.0	303.8
52.5°	2223.9	1005.4	347.0	333.2	341.7	333.2	313.2	312.7	310.1	301.2	297.6
55°	2410.7	1011.6	340.8	334.1	339.0	304.7	304.3	305.6	304.3	294.5	292.7
57.5°	2662.9	1030.7	337.7	337.2	337.2	290.9	295.8	297.6	294.9	290.5	289.2
60°	2905.4	1032.1	331.9	340.8	335.9	282.5	286.0	287.8	284.7	283.8	283.4
62.5°	2996.6	968.0	319.0	338.1	330.5	273.1	275.8	276.7	273.6	275.8	275.4
65°	2860.9	831.9	297.6	325.2	314.1	264.7	262.9	265.1	259.8	265.6	266.0
67.5°	2540.2	661.1	265.1	300.7	290.9	255.4	251.8	251.8	242.9	251.8	251.3
70°	2048.1	467.1	217.5	261.6	265.6	244.2	242.4	232.2	218.0	231.3	230.0
72.5°	1552.6	335.4	171.3	206.9	228.7	228.7	229.1	211.8	195.3	201.5	196.2
75°	983.6	236.2	137.0	158.4	179.3	200.6	210.9	178.8	164.2	161.5	158.8
77.5°	443.1	155.3	106.8	121.4	127.2	158.4	192.6	153.9	133.9	128.1	126.3
80°	185.5	96.5	76.1	85.9	78.3	133.0	169.9	119.7	98.3	90.3	84.5
82.5°	81.4	57.4	48.5	46.3	48.9	98.8	126.8	79.6	61.4	83.2	84.1
85°	34.3	30.3	24.9	22.7	20.0	37.8	59.6	31.1	38.3	21.8	17.8
87.5°	8.0	8.9	6.7	4.4	2.7	0.4	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)