

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: P630628

Luminaire Tested: GWS-SA1E-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4912.4 lumens
Efficiency: N/A
Efficacy: 84.1 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

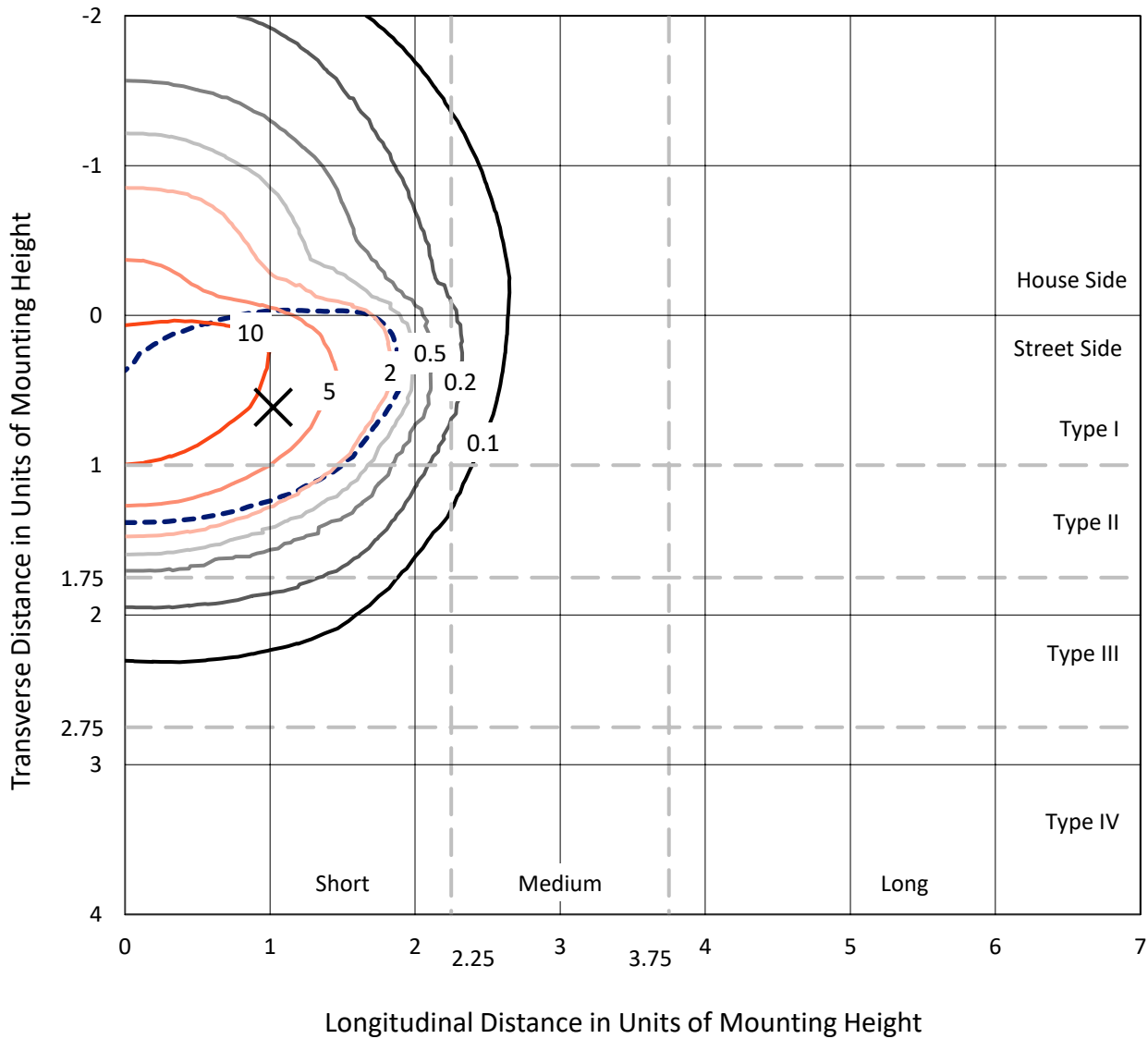
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

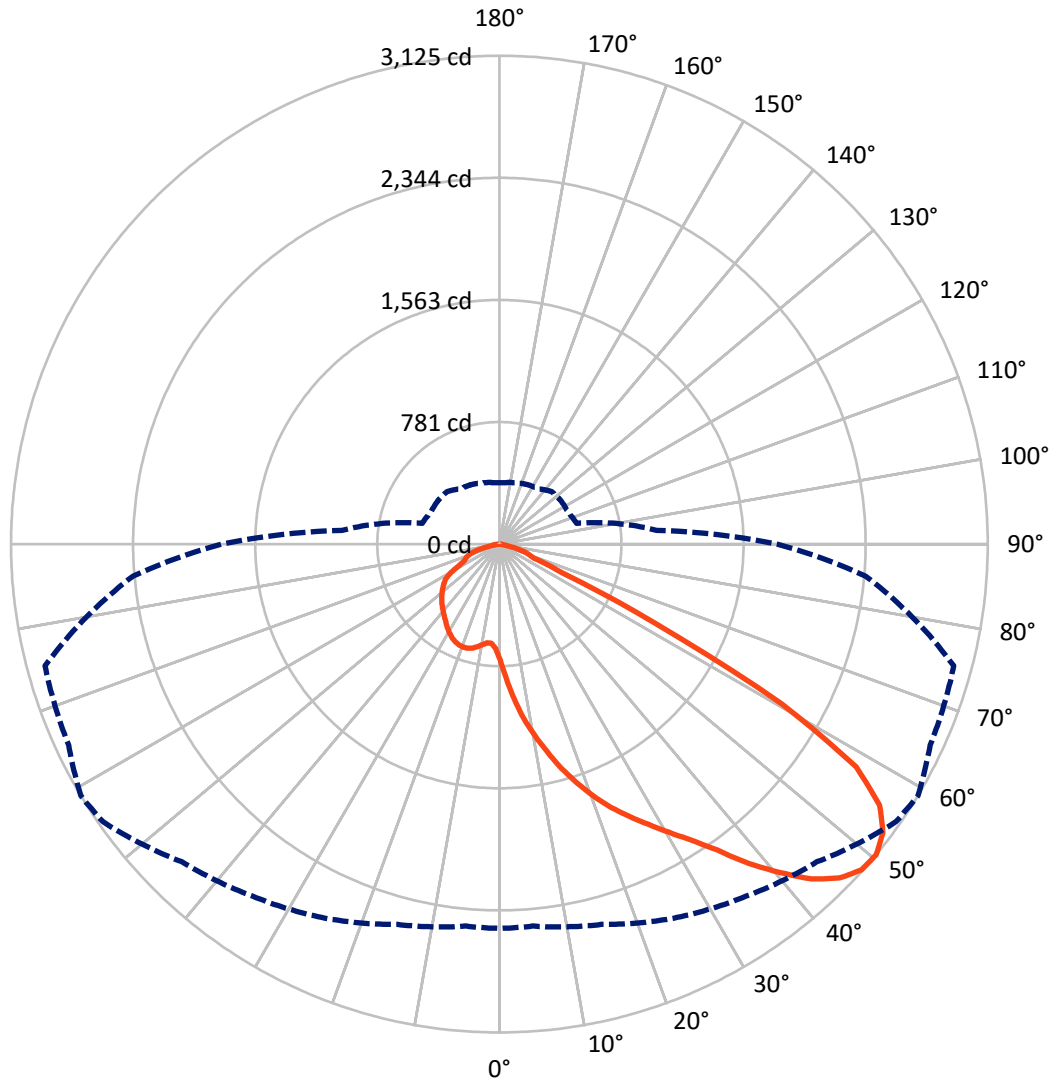
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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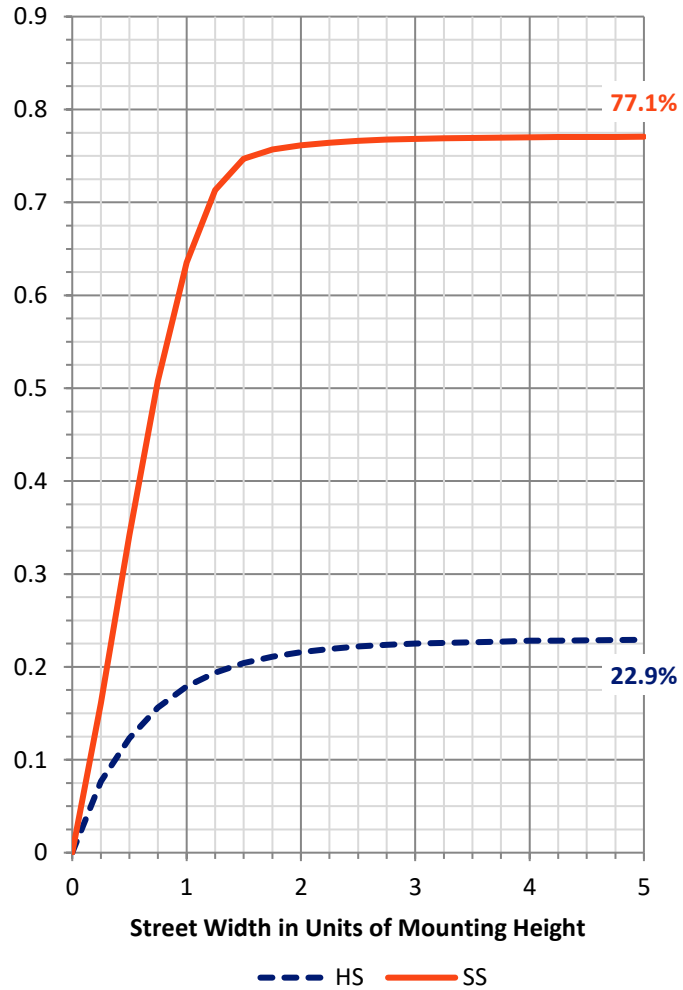
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1129.9	0.0	1129.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3782.5	0.0	3782.5
	% Fixture	77.0	0.0	77.0
Total	Lumens	4912.4	0.0	4912.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.7
10°-20°	303.1	6.2
20°-30°	573.9	11.7
30°-40°	951.8	19.4
40°-50°	1300.2	26.5
50°-60°	1180.2	24.0
60°-70°	393.0	8.0
70°-80°	114.6	2.3
80°-90°	12.0	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°	4912.4	100.0
0°-180°	4912.4	100.0

Coefficient of Utilization



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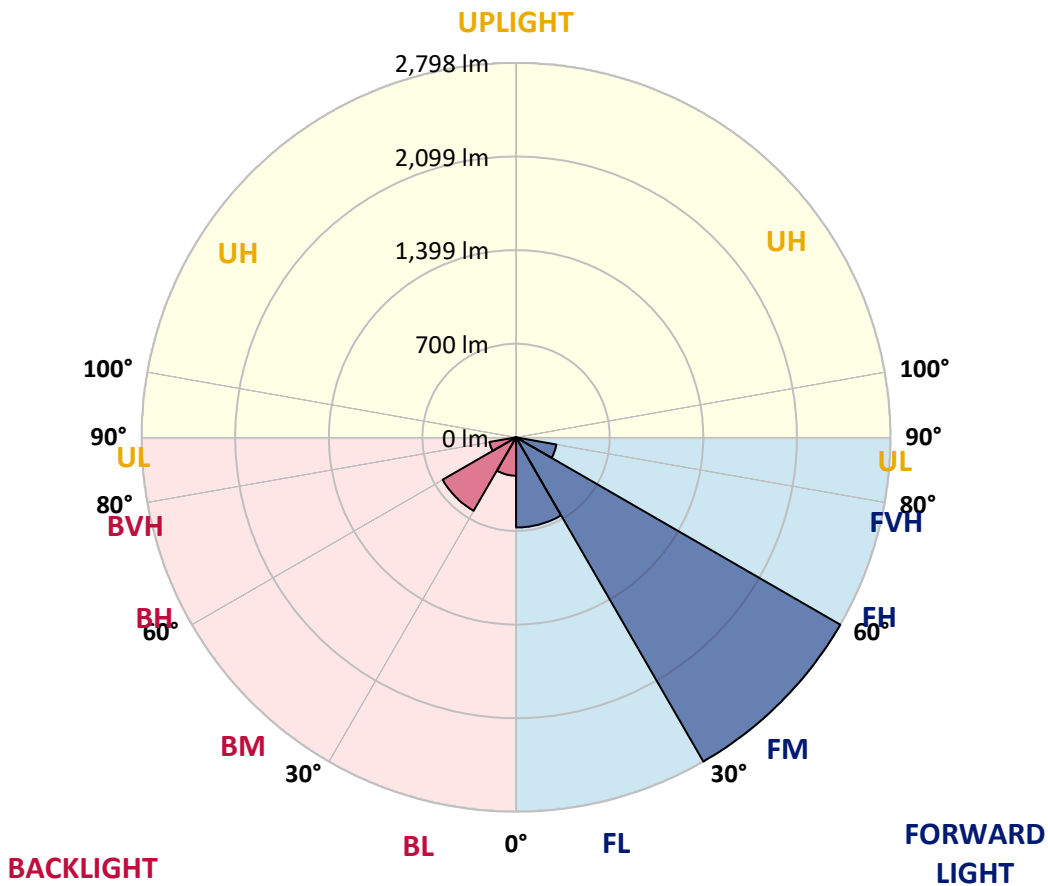
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	673.6	13.7			
FM (30°-60°)	2798.2	57.0			
FH (60°-80°)	306.0	6.2			G0/660
FVH (80°-90°)	4.7	0.1			G0/10
BL (0°-30°)	286.9	5.8	B1/500		
BM (30°-60°)	634.0	12.9	B1/1000		
BH (60°-80°)	201.7	4.1	B1/500		G1/500
BVH (80°-90°)	7.3	0.1			G0/10
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°	59°	65°	75°	85°
0°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	964.3	971.5	960.3	961.1	933.1	920.3	884.3	863.1	849.1	809.9	774.3
5°	1158.8	1150.4	1141.6	1136.4	1112.0	1077.6	1032.8	997.2	964.3	887.5	813.5
7.5°	1278.1	1273.7	1267.6	1264.4	1240.4	1204.4	1159.6	1129.2	1081.6	977.5	861.1
10°	1379.3	1374.1	1370.5	1372.9	1353.3	1330.1	1281.3	1246.4	1192.8	1072.8	918.7
12.5°	1457.7	1460.5	1461.7	1474.5	1466.1	1452.1	1401.7	1364.9	1305.3	1173.2	986.3
15°	1519.7	1518.9	1532.9	1557.4	1571.0	1562.2	1521.7	1490.9	1418.1	1272.1	1059.2
17.5°	1534.1	1534.9	1557.0	1599.8	1644.2	1665.8	1643.0	1606.2	1534.1	1369.7	1134.8
20°	1545.7	1547.3	1570.2	1619.0	1683.8	1744.2	1747.8	1721.4	1659.4	1475.3	1211.6
22.5°	1619.0	1622.6	1628.6	1659.4	1717.8	1794.2	1836.2	1830.6	1778.6	1586.2	1294.5
25°	1811.4	1800.6	1771.4	1762.6	1785.0	1847.1	1918.7	1929.5	1903.9	1708.2	1383.7
27.5°	2049.1	2037.5	1994.3	1948.7	1900.3	1921.9	1998.3	2030.7	2031.1	1842.7	1473.3
30°	2264.8	2255.6	2220.4	2155.2	2071.5	2040.3	2096.7	2140.4	2166.4	1997.9	1575.4
32.5°	2449.3	2440.9	2393.2	2340.0	2258.4	2195.6	2216.0	2258.0	2318.8	2198.8	1702.2
35°	2604.5	2596.1	2550.5	2496.9	2421.3	2383.6	2376.4	2405.3	2484.1	2408.5	1847.9
37.5°	2730.6	2722.2	2674.5	2624.1	2566.5	2568.9	2579.7	2593.7	2638.9	2632.9	2003.5
40°	2812.2	2803.4	2769.4	2733.4	2697.0	2725.8	2779.4	2762.6	2786.6	2814.2	2146.8
42.5°	2848.6	2837.4	2817.8	2809.8	2798.6	2843.4	2946.6	2929.8	2901.0	2935.0	2253.2
45°	2812.2	2802.6	2802.2	2826.6	2852.6	2910.2	3062.3	3048.7	2975.9	2993.5	2316.8
47.5°	2700.6	2692.2	2715.0	2779.0	2843.0	2927.0	3113.9	3116.3	3029.1	3017.9	2358.0
50°	2459.3	2453.7	2519.7	2640.9	2751.4	2874.6	3097.5	3125.1	3041.9	3010.3	2352.8
52.5°	1968.7	1994.7	2138.4	2340.8	2555.3	2782.6	3036.7	3072.7	2980.3	2960.2	2324.8
55°	1347.7	1359.7	1503.3	1799.0	2139.2	2583.3	2897.0	2952.6	2907.4	2951.8	2354.0
57.5°	697.8	707.5	820.7	1083.2	1450.9	2041.5	2509.3	2691.8	2760.6	2994.3	2444.9
60°	286.5	294.5	341.3	468.2	731.9	1188.8	1805.8	2076.3	2238.0	2734.6	2171.2
62.5°	208.1	212.1	234.5	279.3	383.3	582.6	1022.0	1121.6	1235.2	1713.8	1378.5
65°	175.3	179.7	197.7	224.9	279.7	357.3	436.6	439.0	483.8	698.2	511.0
67.5°	146.9	150.9	166.9	190.1	226.1	253.7	234.5	234.9	234.1	253.3	244.9
70°	114.4	117.6	133.6	158.5	177.3	162.9	183.3	202.9	194.5	202.1	213.7
72.5°	83.6	87.2	101.2	120.0	115.2	116.0	148.5	168.5	163.7	172.1	182.9
75°	60.4	62.8	70.0	60.0	63.2	76.4	104.4	115.2	120.0	127.2	136.8
77.5°	19.6	19.6	22.0	27.6	34.4	42.4	53.2	57.6	64.8	72.8	79.6
80°	10.0	10.4	12.4	15.2	19.2	24.4	31.2	33.2	36.8	41.2	44.0
82.5°	4.8	5.2	6.0	7.6	10.0	12.8	17.2	19.2	21.6	24.4	26.4
85°	1.2	1.2	1.6	2.4	3.2	4.8	6.4	7.6	9.6	11.6	12.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	1.2	1.6	2.0	2.4	3.2
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°	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3	744.3
2.5°	758.3	735.9	707.1	682.6	660.2	643.0	628.2	621.0	614.2	609.4	611.0
5°	779.1	740.7	687.0	649.8	627.0	615.4	607.4	603.4	602.6	599.4	598.2
7.5°	809.5	754.7	683.0	645.4	630.2	624.2	619.8	617.4	618.6	615.4	614.2
10°	847.1	777.9	693.0	659.8	646.6	642.2	637.4	634.2	632.6	627.8	627.0
12.5°	893.9	806.7	711.1	678.2	665.0	657.4	651.0	645.4	641.8	635.8	634.2
15°	944.3	838.7	732.3	696.2	680.6	669.4	659.0	650.6	644.2	636.2	635.0
17.5°	999.2	872.3	749.9	708.7	688.6	673.8	658.6	646.2	637.4	627.0	625.8
20°	1056.4	906.3	763.1	714.7	689.0	669.0	648.6	632.2	621.0	610.6	609.8
22.5°	1115.6	937.5	771.1	713.1	682.6	657.8	633.4	615.0	601.8	589.4	588.6
25°	1175.2	967.5	773.1	706.7	669.8	641.0	616.6	595.0	580.2	566.2	564.6
27.5°	1235.6	992.8	768.3	693.8	652.6	621.4	597.0	575.8	560.6	546.6	544.2
30°	1300.1	1014.4	757.9	677.0	632.6	600.6	576.6	560.6	546.2	532.2	529.8
32.5°	1368.9	1033.2	743.1	656.6	609.4	579.8	562.2	547.8	533.4	521.0	518.6
35°	1450.9	1045.6	721.1	630.2	587.8	564.6	552.6	535.8	518.2	504.6	503.4
37.5°	1535.7	1055.2	694.6	605.0	569.0	555.8	545.8	523.0	501.0	484.6	482.6
40°	1617.8	1063.2	661.8	581.4	551.8	549.4	535.8	507.4	469.4	451.0	449.4
42.5°	1694.2	1065.6	627.4	556.2	536.2	535.0	519.8	475.8	446.6	435.0	433.4
45°	1746.6	1063.6	591.8	532.6	520.6	514.2	498.2	453.0	435.0	424.6	422.5
47.5°	1785.4	1053.2	551.8	507.8	503.0	494.2	459.8	438.6	421.7	411.3	409.3
50°	1778.6	1010.0	511.4	483.8	481.8	474.2	431.8	420.5	405.7	394.5	392.9
52.5°	1743.4	927.9	470.2	457.4	461.4	446.6	411.7	398.9	386.1	373.3	370.5
55°	1752.2	868.7	439.0	431.8	439.0	405.3	389.3	375.7	363.7	351.3	348.9
57.5°	1790.6	810.3	405.7	404.1	411.7	373.7	360.5	343.3	326.1	316.1	316.1
60°	1503.7	590.6	347.3	351.3	368.5	348.1	336.5	318.9	300.1	291.3	291.3
62.5°	889.1	370.5	288.1	283.7	294.5	307.3	313.7	299.3	276.9	265.3	265.7
65°	391.7	269.7	254.1	250.5	247.3	256.1	273.7	274.9	251.3	237.7	238.1
67.5°	241.3	244.1	237.7	234.9	232.1	230.5	228.9	229.7	223.3	210.9	210.5
70°	217.7	225.3	220.9	218.5	214.9	212.1	202.5	186.9	176.1	172.9	176.5
72.5°	187.3	197.7	195.3	194.1	189.7	182.9	170.1	154.9	142.1	134.0	135.6
75°	141.2	149.7	150.9	151.3	146.5	140.0	126.8	114.0	102.8	94.4	96.4
77.5°	81.2	86.0	87.2	88.4	84.8	82.4	73.6	64.4	58.4	49.6	52.0
80°	45.2	47.2	47.2	47.6	45.6	42.8	36.8	31.6	28.8	24.8	25.2
82.5°	27.2	28.0	28.4	28.8	27.6	24.8	20.4	16.8	15.2	13.2	12.8
85°	13.2	14.0	14.0	14.4	12.4	10.8	8.4	6.4	5.6	4.0	4.4
87.5°	3.2	3.6	3.6	3.2	2.8	2.0	1.2	0.4	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)