

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: P629913

Luminaire Tested: GWS-SA1C-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629913
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-SA1C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4327.2 lumens
Efficiency: N/A
Efficacy: 126.9 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): 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

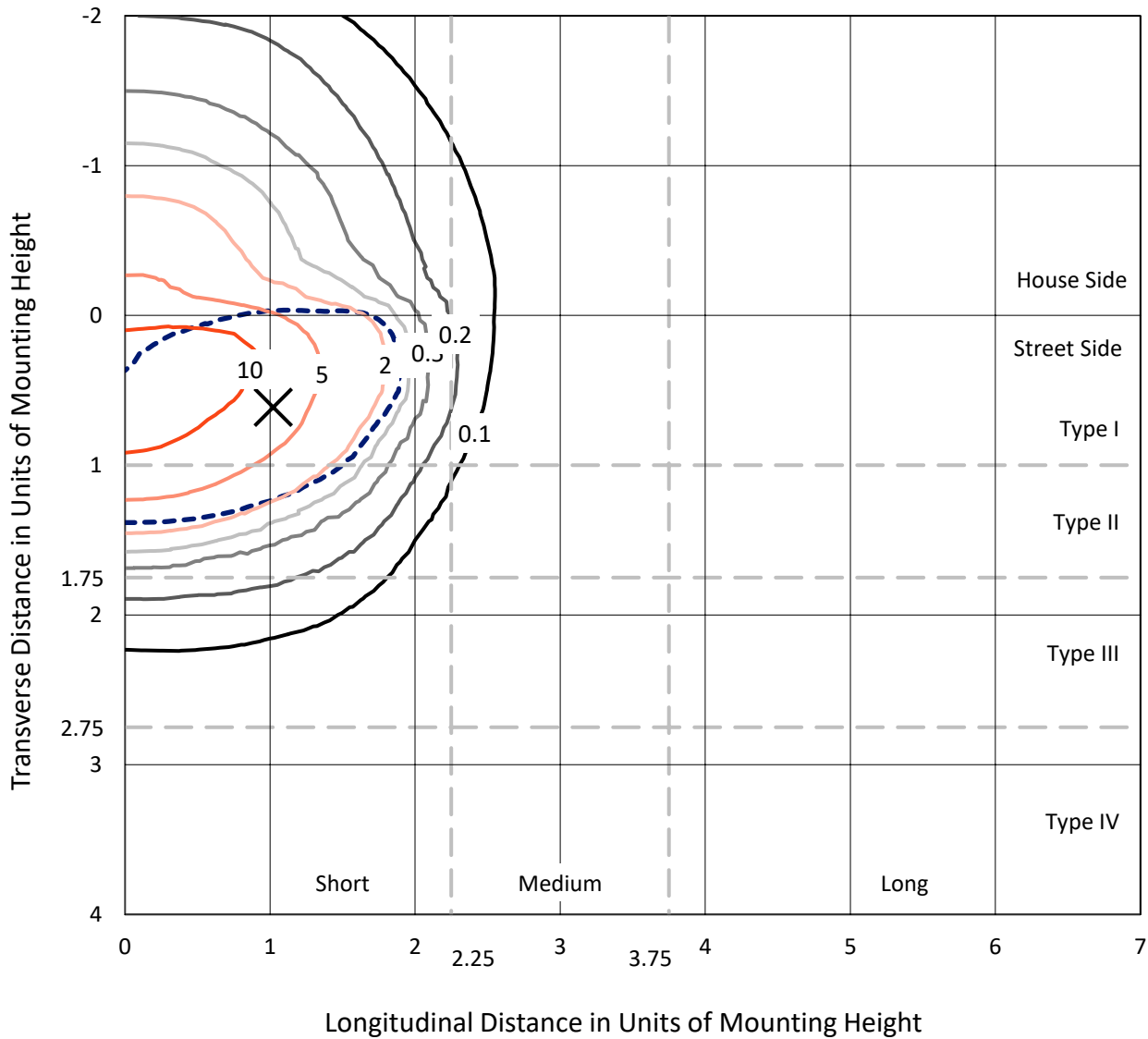


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Iso-Footcandle Lines of Horizontal Illumination

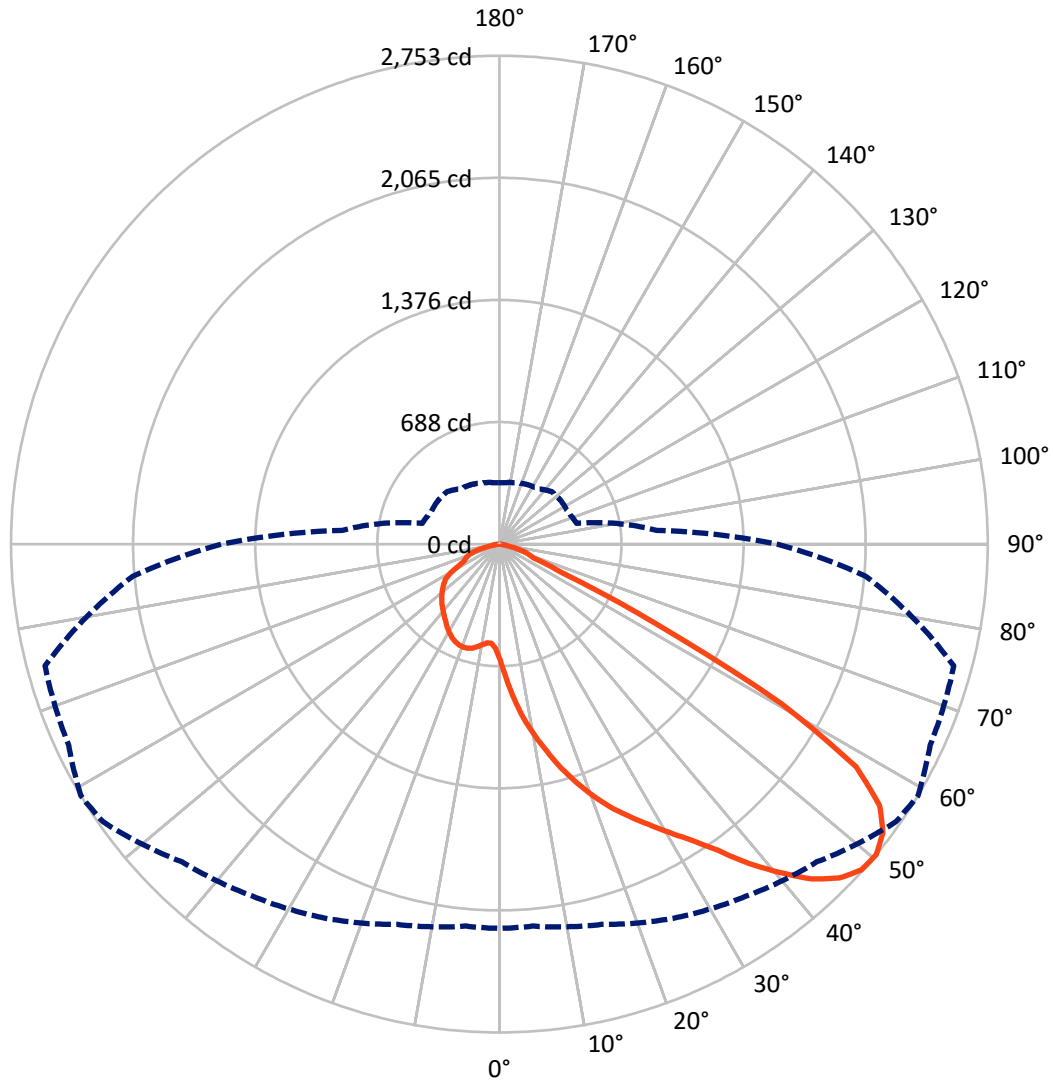
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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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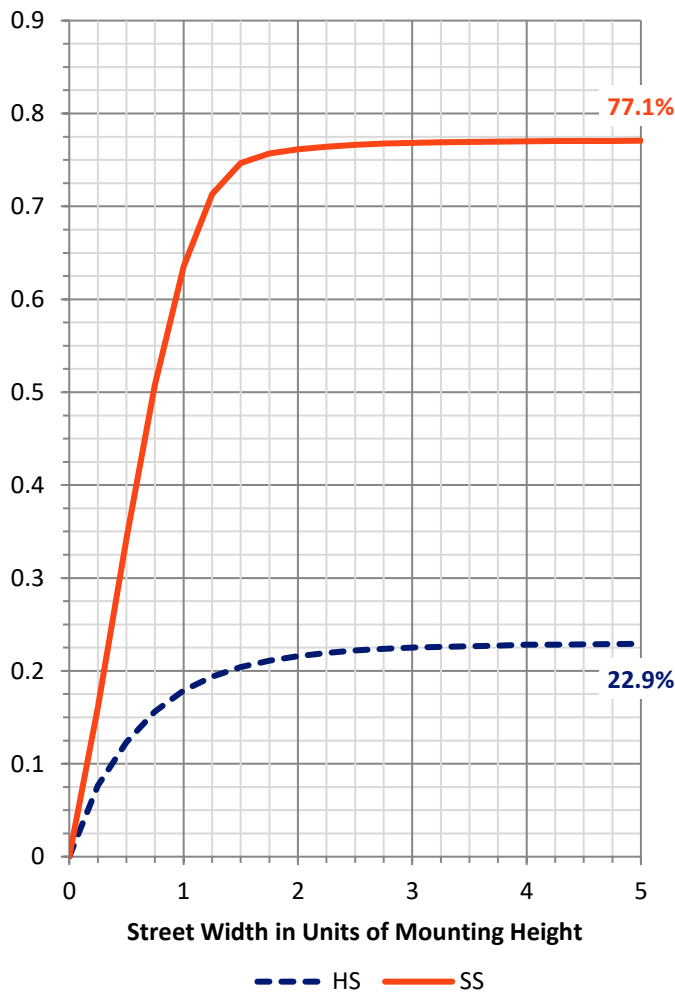
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.3	0.0	995.3
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3331.9	0.0	3331.9
	% Fixture	77.0	0.0	77.0
Total	Lumens	4327.2	0.0	4327.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	1.7
10°-20°	267.0	6.2
20°-30°	505.6	11.7
30°-40°	838.4	19.4
40°-50°	1145.3	26.5
50°-60°	1039.6	24.0
60°-70°	346.2	8.0
70°-80°	101.0	2.3
80°-90°	10.6	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°	4327.2	100.0
0°-180°	4327.2	100.0

Coefficient of Utilization



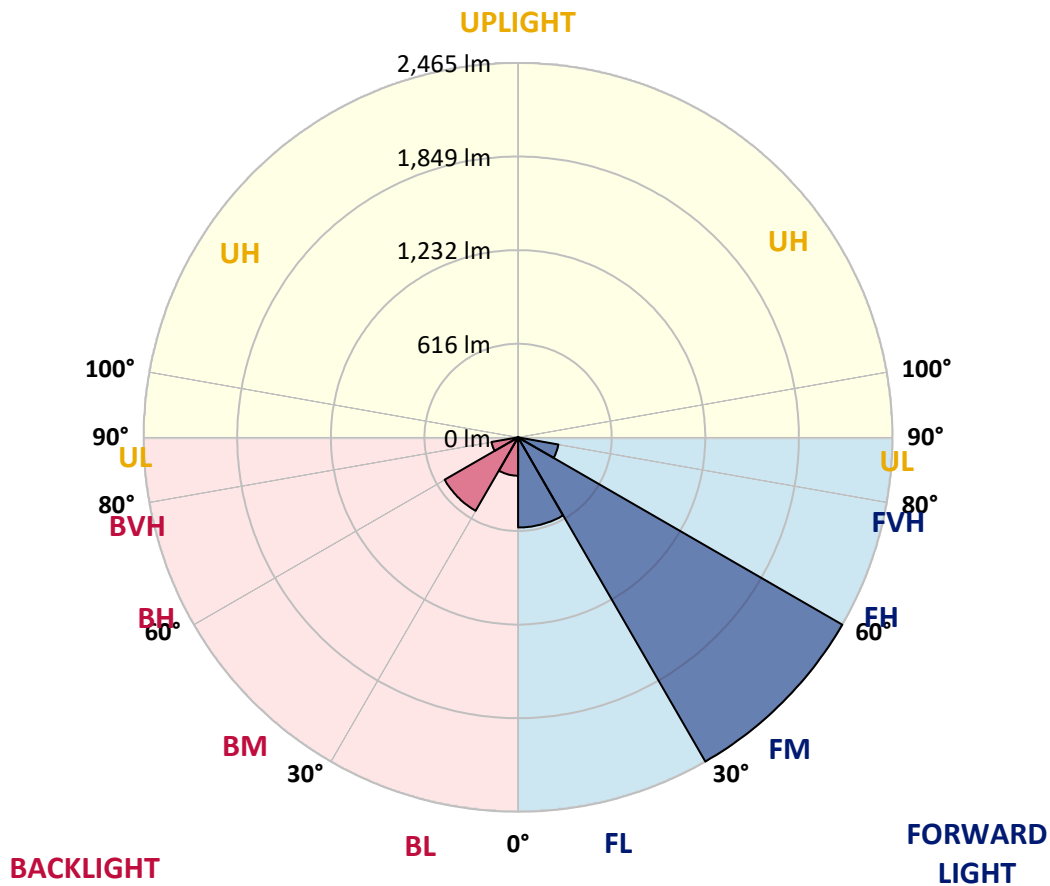
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	593.4	13.7			
FM (30°-60°)	2464.8	57.0			
FH (60°-80°)	269.5	6.2			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	252.7	5.8	B1/500		
BM (30°-60°)	558.5	12.9	B1/1000		
BH (60°-80°)	177.7	4.1	B1/500		G1/500
BVH (80°-90°)	6.5	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°	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6
2.5°	849.5	855.8	845.9	846.6	822.0	810.7	779.0	760.3	747.9	713.4	682.0
5°	1020.8	1013.4	1005.6	1001.0	979.5	949.2	909.7	878.4	849.5	781.8	716.6
7.5°	1125.8	1121.9	1116.6	1113.8	1092.7	1060.9	1021.5	994.7	952.7	861.1	758.5
10°	1215.0	1210.4	1207.2	1209.3	1192.1	1171.6	1128.6	1098.0	1050.7	945.0	809.3
12.5°	1284.1	1286.5	1287.6	1298.9	1291.5	1279.1	1234.7	1202.3	1149.8	1033.5	868.8
15°	1338.7	1338.0	1350.3	1371.8	1383.8	1376.1	1340.5	1313.3	1249.2	1120.5	933.0
17.5°	1351.4	1352.1	1371.5	1409.2	1448.3	1467.3	1447.3	1414.8	1351.4	1206.5	999.6
20°	1361.6	1363.0	1383.1	1426.1	1483.2	1536.4	1539.6	1516.3	1461.7	1299.6	1067.3
22.5°	1426.1	1429.3	1434.6	1461.7	1513.2	1580.5	1617.5	1612.6	1566.7	1397.2	1140.3
25°	1595.6	1586.1	1560.4	1552.6	1572.4	1627.0	1690.1	1699.6	1677.1	1504.7	1218.9
27.5°	1805.0	1794.8	1756.7	1716.5	1673.9	1692.9	1760.3	1788.8	1789.2	1623.1	1297.8
30°	1995.0	1986.9	1955.9	1898.4	1824.8	1797.3	1847.0	1885.4	1908.3	1759.9	1387.7
32.5°	2157.5	2150.1	2108.1	2061.3	1989.4	1934.0	1952.0	1989.0	2042.6	1936.8	1499.4
35°	2294.3	2286.9	2246.7	2199.4	2132.8	2099.7	2093.3	2118.7	2188.2	2121.5	1627.7
37.5°	2405.3	2397.9	2355.9	2311.5	2260.8	2262.9	2272.4	2284.7	2324.6	2319.3	1764.8
40°	2477.2	2469.4	2439.5	2407.7	2375.7	2401.1	2448.3	2433.5	2454.6	2478.9	1891.0
42.5°	2509.3	2499.4	2482.1	2475.1	2465.2	2504.7	2595.6	2580.8	2555.4	2585.4	1984.8
45°	2477.2	2468.7	2468.4	2489.9	2512.8	2563.5	2697.5	2685.5	2621.3	2636.9	2040.8
47.5°	2378.8	2371.4	2391.5	2447.9	2504.3	2578.3	2743.0	2745.1	2668.2	2658.4	2077.1
50°	2166.3	2161.4	2219.5	2326.3	2423.6	2532.2	2728.5	2752.8	2679.5	2651.7	2072.5
52.5°	1734.2	1757.1	1883.6	2062.0	2250.9	2451.1	2674.9	2706.6	2625.2	2607.6	2047.9
55°	1187.1	1197.7	1324.2	1584.7	1884.3	2275.6	2551.9	2600.9	2561.1	2600.2	2073.6
57.5°	614.7	623.2	722.9	954.1	1278.1	1798.3	2210.4	2371.1	2431.7	2637.6	2153.6
60°	252.4	259.4	300.7	412.4	644.7	1047.2	1590.7	1829.0	1971.4	2408.8	1912.5
62.5°	183.3	186.8	206.5	246.0	337.7	513.2	900.2	988.0	1088.1	1509.6	1214.3
65°	154.4	158.3	174.1	198.1	246.4	314.8	384.5	386.7	426.1	615.1	450.1
67.5°	129.4	132.9	147.0	167.4	199.1	223.5	206.5	206.9	206.2	223.1	215.7
70°	100.8	103.6	117.7	139.6	156.1	143.5	161.4	178.7	171.3	178.0	188.2
72.5°	73.7	76.8	89.2	105.7	101.5	102.2	130.8	148.4	144.2	151.6	161.1
75°	53.2	55.3	61.7	52.9	55.7	67.3	92.0	101.5	105.7	112.1	120.5
77.5°	17.3	17.3	19.4	24.3	30.3	37.4	46.9	50.8	57.1	64.2	70.1
80°	8.8	9.2	10.9	13.4	16.9	21.5	27.5	29.3	32.4	36.3	38.8
82.5°	4.2	4.6	5.3	6.7	8.8	11.3	15.2	16.9	19.0	21.5	23.3
85°	1.1	1.1	1.4	2.1	2.8	4.2	5.6	6.7	8.5	10.2	11.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	1.1	1.4	1.8	2.1	2.8
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°	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6	655.6
2.5°	667.9	648.2	622.8	601.3	581.6	566.4	553.4	547.0	541.0	536.8	538.2
5°	686.3	652.4	605.2	572.4	552.3	542.1	535.1	531.5	530.8	528.0	526.9
7.5°	713.1	664.8	601.7	568.5	555.1	549.9	546.0	543.9	544.9	542.1	541.0
10°	746.2	685.2	610.5	581.2	569.6	565.7	561.5	558.7	557.3	553.0	552.3
12.5°	787.4	710.6	626.3	597.4	585.8	579.1	573.5	568.5	565.4	560.1	558.7
15°	831.8	738.8	645.0	613.3	599.6	589.7	580.5	573.1	567.5	560.4	559.4
17.5°	880.1	768.4	660.5	624.2	606.6	593.6	580.2	569.2	561.5	552.3	551.3
20°	930.5	798.4	672.2	629.5	607.0	589.3	571.4	556.9	547.0	537.9	537.2
22.5°	982.7	825.8	679.2	628.1	601.3	579.5	558.0	541.8	530.1	519.2	518.5
25°	1035.2	852.3	681.0	622.5	590.0	564.7	543.2	524.1	511.1	498.8	497.3
27.5°	1088.4	874.5	676.7	611.2	574.9	547.4	525.9	507.2	493.8	481.5	479.4
30°	1145.2	893.5	667.6	596.4	557.3	529.1	507.9	493.8	481.1	468.8	466.7
32.5°	1205.8	910.1	654.5	578.4	536.8	510.7	495.2	482.5	469.8	458.9	456.8
35°	1278.1	921.0	635.2	555.1	517.8	497.3	486.8	472.0	456.5	444.5	443.4
37.5°	1352.8	929.5	611.9	532.9	501.2	489.6	480.8	460.7	441.3	426.8	425.1
40°	1425.1	936.5	583.0	512.1	486.1	483.9	472.0	446.9	413.5	397.2	395.8
42.5°	1492.4	938.6	552.7	489.9	472.3	471.3	457.9	419.1	393.4	383.1	381.7
45°	1538.5	936.9	521.3	469.1	458.6	452.9	438.8	399.0	383.1	374.0	372.2
47.5°	1572.7	927.7	486.1	447.3	443.1	435.3	405.0	386.3	371.5	362.3	360.6
50°	1566.7	889.6	450.5	426.1	424.4	417.7	380.3	370.5	357.4	347.5	346.1
52.5°	1535.7	817.4	414.2	402.9	406.4	393.4	362.7	351.4	340.1	328.9	326.4
55°	1543.5	765.2	386.7	380.3	386.7	357.1	343.0	331.0	320.4	309.5	307.4
57.5°	1577.3	713.8	357.4	356.0	362.7	329.2	317.6	302.4	287.3	278.5	278.5
60°	1324.6	520.3	305.9	309.5	324.6	306.7	296.4	280.9	264.4	256.6	256.6
62.5°	783.2	326.4	253.8	249.9	259.4	270.7	276.3	263.7	243.9	233.7	234.0
65°	345.1	237.6	223.8	220.6	217.8	225.6	241.1	242.1	221.4	209.4	209.7
67.5°	212.5	215.0	209.4	206.9	204.4	203.0	201.6	202.3	196.7	185.8	185.4
70°	191.7	198.4	194.6	192.5	189.3	186.8	178.4	164.6	155.1	152.3	155.4
72.5°	165.0	174.1	172.0	170.9	167.1	161.1	149.8	136.4	125.1	118.1	119.5
75°	124.4	131.8	132.9	133.2	129.0	123.4	111.7	100.5	90.6	83.2	84.9
77.5°	71.6	75.8	76.8	77.9	74.7	72.6	64.9	56.7	51.5	43.7	45.8
80°	39.8	41.6	41.6	41.9	40.2	37.7	32.4	27.8	25.4	21.9	22.2
82.5°	24.0	24.7	25.0	25.4	24.3	21.9	18.0	14.8	13.4	11.6	11.3
85°	11.6	12.3	12.3	12.7	10.9	9.5	7.4	5.6	4.9	3.5	3.9
87.5°	2.8	3.2	3.2	2.8	2.5	1.8	1.1	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)