

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: P630961

Luminaire Tested: GWS-SA1E-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630961
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4720.9 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

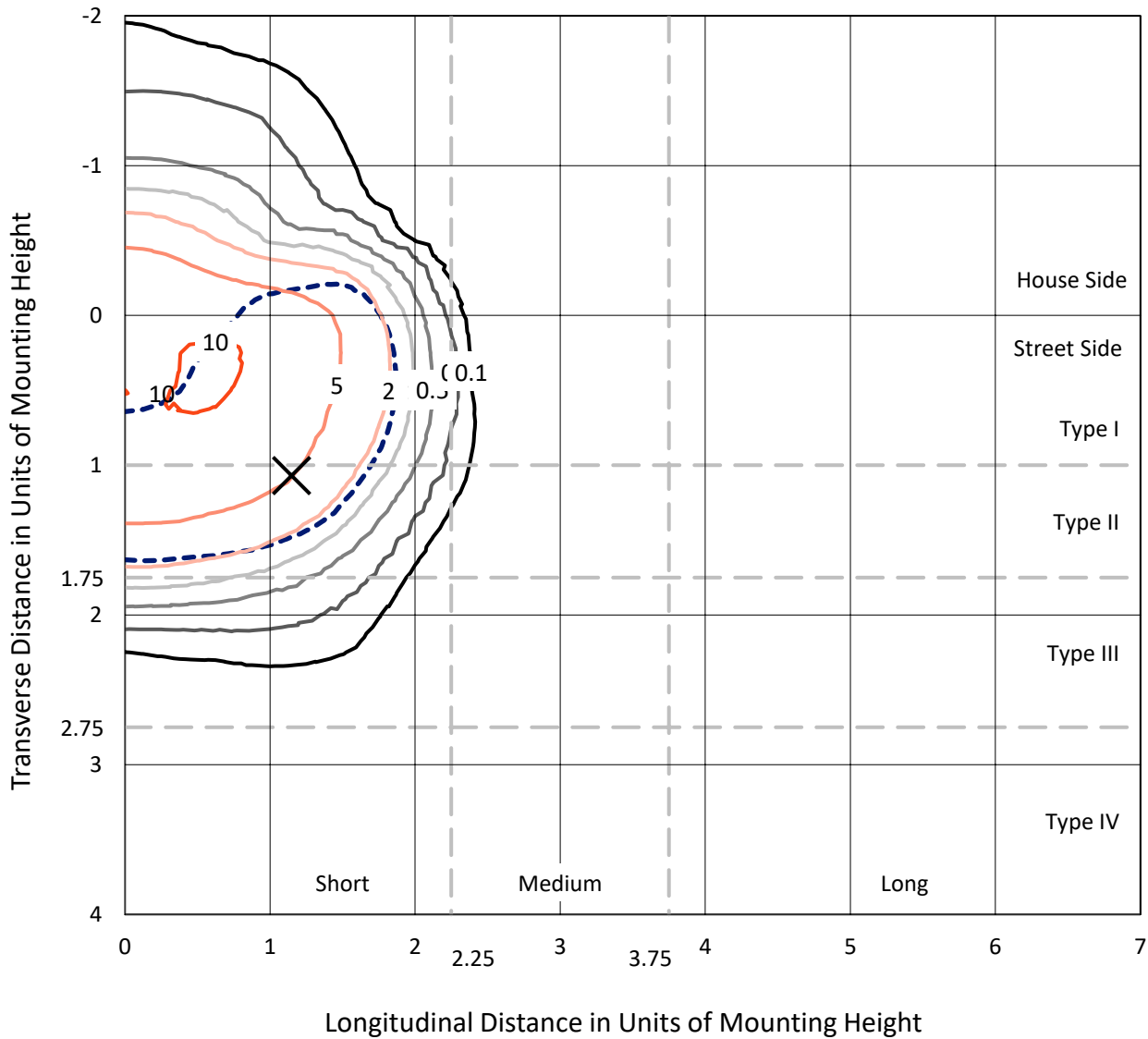
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630961
 CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

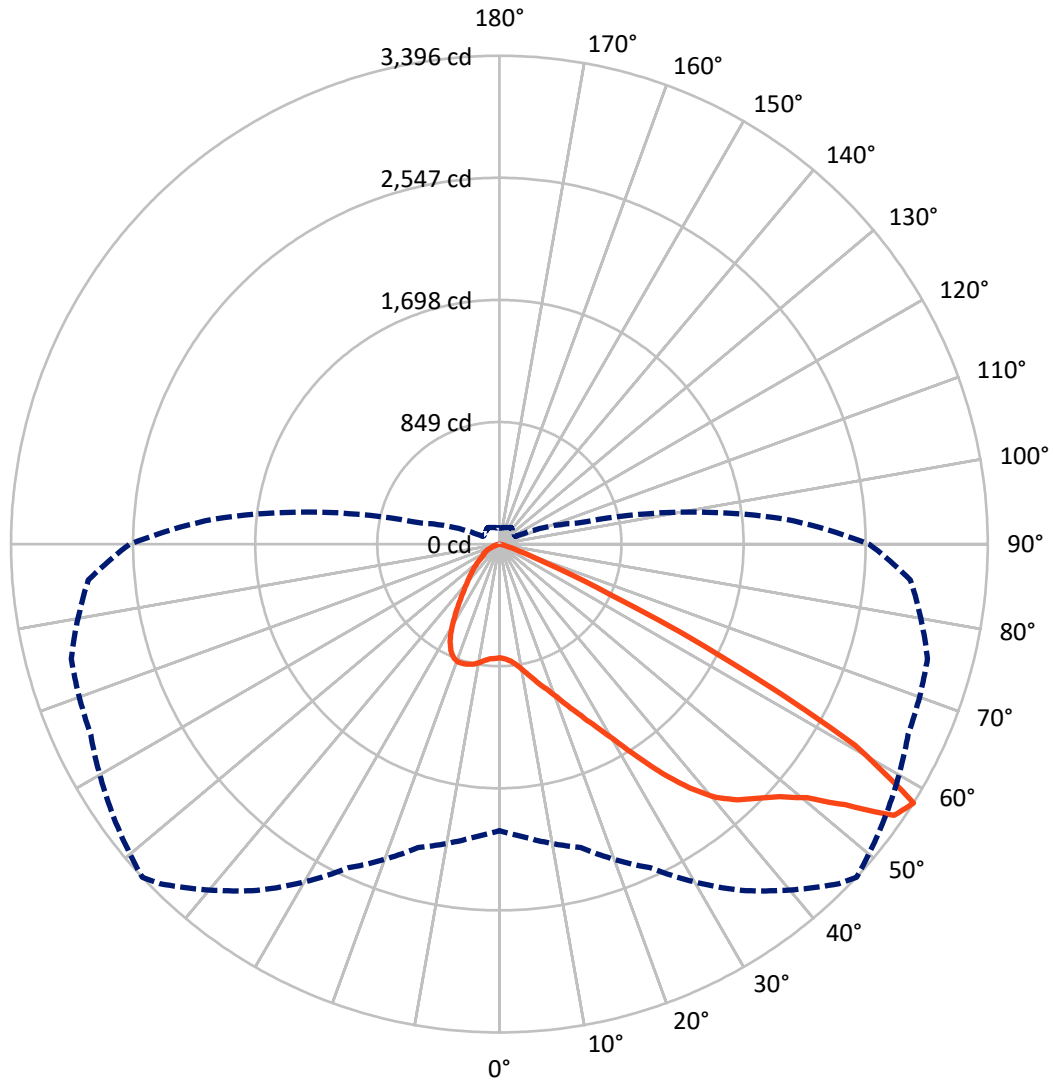
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
 Type II - Short - N/A

REPORT NUMBER: P630961
CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630961

CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

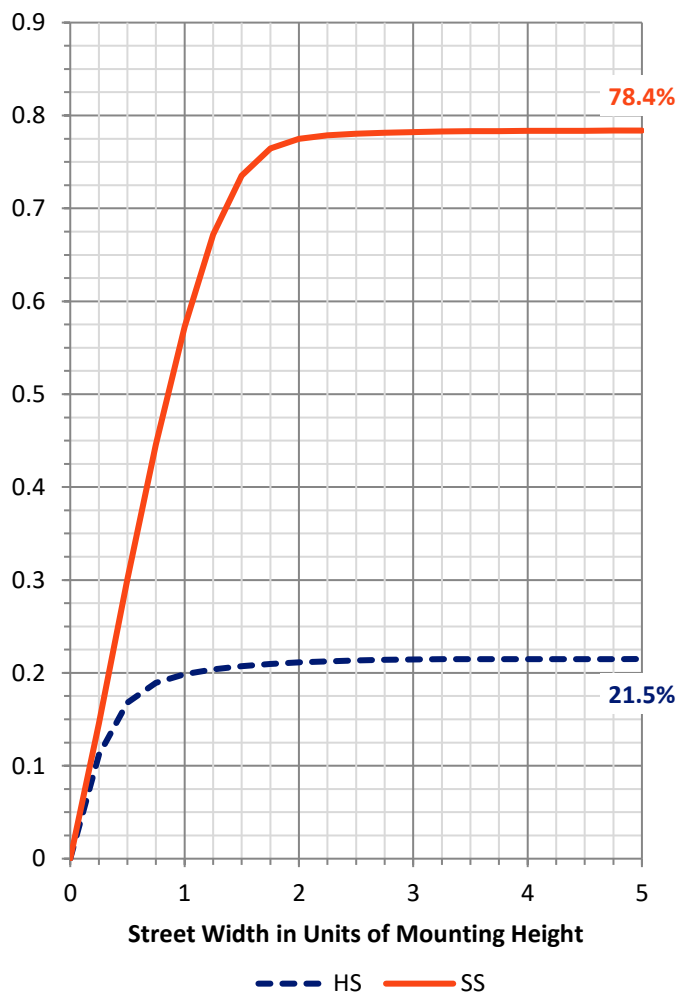
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1024.2	0.0	1024.2
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3696.7	0.0	3696.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	4720.9	0.0	4720.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.7
10°-20°	265.3	5.6
20°-30°	492.6	10.4
30°-40°	788.5	16.7
40°-50°	1152.7	24.4
50°-60°	1422.6	30.1
60°-70°	475.3	10.1
70°-80°	44.3	0.9
80°-90°	0.9	0.0
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°	4720.9	100.0
0°-180°	4720.9	100.0

Coefficient of Utilization



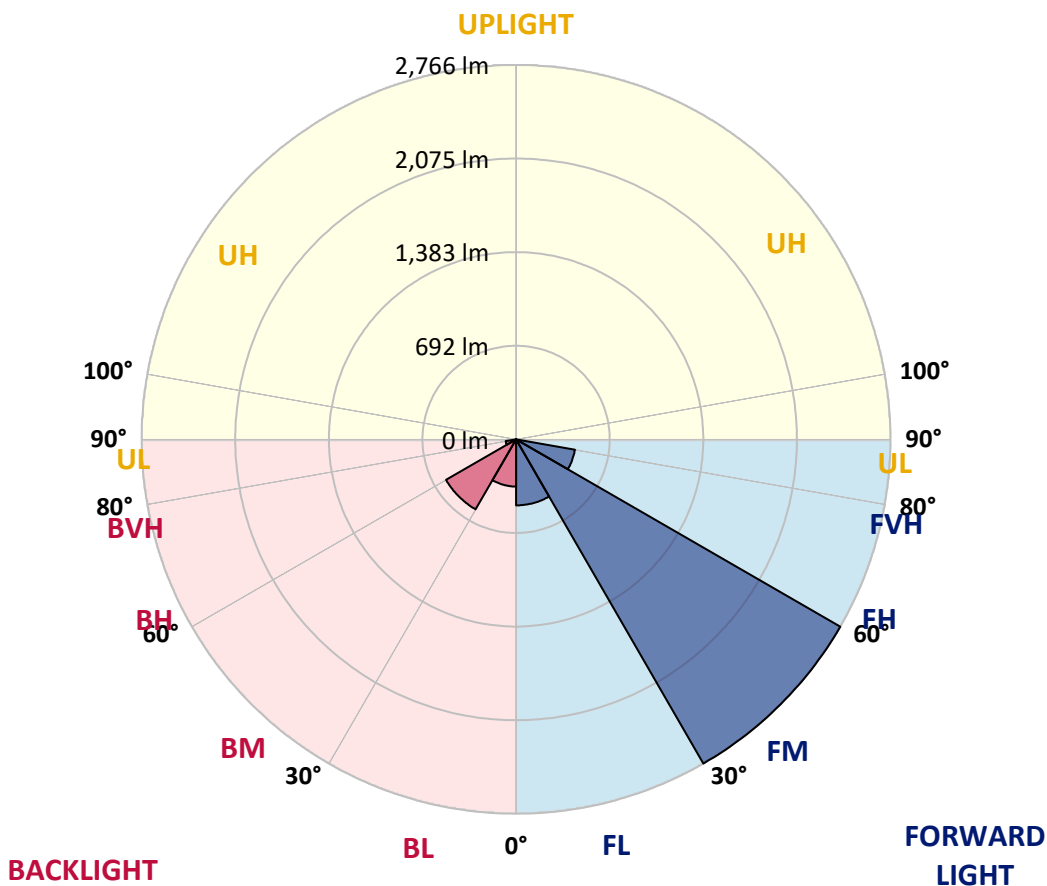
REPORT NUMBER: P630961

CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.9	10.3			
FM (30°-60°)	2766.4	58.6			
FH (60°-80°)	441.8	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	348.6	7.4	B1/500		
BM (30°-60°)	597.4	12.7	B1/1000		
BH (60°-80°)	77.9	1.6	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P630961

CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3
2.5°	798.5	798.0	797.4	800.7	799.6	799.1	800.1	800.1	800.1	796.9	790.3
5°	817.7	817.7	817.1	820.4	817.7	816.0	816.6	816.6	814.4	808.4	800.1
7.5°	847.8	846.7	845.6	848.9	846.2	845.6	846.7	843.4	839.6	829.7	818.2
10°	891.1	891.1	889.5	892.8	890.6	889.5	889.5	887.3	880.2	864.8	847.8
12.5°	950.9	948.1	944.3	941.5	940.4	939.9	940.4	937.2	929.5	909.8	886.2
15°	1016.1	1013.9	1007.9	1003.5	997.4	996.3	999.6	996.9	989.2	962.4	928.9
17.5°	1098.3	1101.0	1085.7	1076.4	1058.8	1057.7	1058.8	1063.2	1057.7	1023.2	974.4
20°	1168.4	1170.6	1159.1	1152.5	1136.6	1129.5	1131.7	1138.8	1132.8	1092.3	1024.3
22.5°	1243.5	1246.3	1234.2	1220.5	1213.4	1213.4	1221.6	1231.5	1223.2	1170.1	1081.3
25°	1333.4	1335.6	1325.7	1307.6	1295.0	1310.9	1323.0	1349.3	1335.6	1263.2	1148.7
27.5°	1436.4	1437.0	1422.7	1404.1	1397.5	1427.1	1439.2	1479.7	1474.2	1367.9	1220.0
30°	1546.6	1547.1	1543.8	1531.2	1525.2	1564.1	1580.6	1639.2	1635.4	1497.8	1317.0
32.5°	1661.1	1661.1	1667.2	1666.1	1673.2	1736.8	1763.1	1829.9	1826.1	1656.7	1437.5
35°	1776.2	1776.8	1787.2	1813.5	1843.1	1927.5	1962.0	2043.1	2034.4	1846.9	1591.5
37.5°	1907.2	1901.7	1916.0	1955.4	2021.2	2118.7	2151.6	2228.9	2219.0	2041.5	1792.7
40°	2065.0	2055.2	2055.2	2101.2	2175.7	2288.1	2316.0	2354.4	2321.0	2198.8	1990.0
42.5°	2239.3	2230.0	2217.9	2258.5	2321.0	2408.7	2431.7	2421.3	2393.9	2347.3	2214.7
45°	2415.8	2401.5	2409.8	2434.4	2470.6	2512.2	2521.0	2472.8	2460.2	2473.3	2400.4
47.5°	2550.1	2540.2	2560.5	2595.0	2624.6	2630.6	2624.6	2557.7	2556.6	2603.2	2529.2
50°	2595.0	2596.1	2652.0	2727.6	2775.3	2780.2	2772.0	2695.3	2684.9	2698.6	2598.8
52.5°	2599.4	2603.8	2685.4	2829.6	2959.5	3018.6	3012.1	2929.3	2827.4	2812.6	2704.1
55°	2493.6	2519.4	2633.4	2843.8	3120.0	3309.1	3331.0	3172.6	3021.4	3008.8	2930.4
57.5°	1993.2	2045.9	2183.4	2483.2	2940.8	3339.3	3396.2	3282.3	3135.9	3082.2	2869.6
60°	1191.5	1256.7	1388.8	1756.5	2238.2	2744.6	2842.7	2858.6	2791.2	2636.1	2201.5
62.5°	511.3	505.8	668.6	950.3	1331.2	1744.4	1788.8	1857.9	1916.5	1754.3	1336.1
65°	175.4	190.7	265.3	428.6	666.4	810.0	849.5	911.4	994.7	821.0	489.4
67.5°	108.5	115.1	152.9	253.2	359.5	354.0	336.5	326.6	317.9	217.6	134.3
70°	78.9	84.4	107.4	174.3	241.7	169.9	147.4	119.5	132.6	122.2	95.4
72.5°	53.2	57.5	74.0	105.8	123.9	82.8	76.7	87.1	105.2	100.3	77.8
75°	31.8	34.5	42.2	51.5	50.4	42.7	43.3	61.4	80.6	75.1	55.4
77.5°	21.9	23.0	28.0	33.4	24.7	13.2	12.1	17.0	27.4	27.4	18.6
80°	5.5	7.1	7.1	4.4	3.8	3.3	3.3	4.9	7.7	5.5	2.7
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
87.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630961
 CATALOG NUMBER: GWS-SA1E-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3	790.3
2.5°	794.1	787.5	791.9	790.8	794.1	795.2	790.3	789.2	789.7	783.2	781.0
5°	801.8	794.1	796.3	794.1	798.0	801.2	799.6	801.8	804.5	799.6	797.4
7.5°	818.2	810.6	810.0	806.7	812.2	814.4	813.8	819.9	825.4	822.1	818.8
10°	846.7	836.3	835.2	832.5	834.1	835.8	829.7	830.8	835.8	831.9	830.3
12.5°	881.8	869.2	866.5	859.9	859.9	851.7	838.5	835.8	839.6	836.9	834.1
15°	919.6	902.6	898.2	886.7	875.8	860.4	846.7	843.4	846.2	842.9	840.7
17.5°	961.8	942.6	928.4	908.1	884.0	865.9	850.6	843.4	839.1	832.5	831.9
20°	1003.5	978.3	954.1	921.8	890.0	862.6	837.4	818.8	802.9	793.0	789.2
22.5°	1051.7	1014.4	975.5	930.0	884.5	842.9	798.5	766.7	739.3	730.0	725.6
25°	1103.2	1055.0	996.9	937.7	865.9	799.1	738.8	691.6	655.5	643.4	638.5
27.5°	1160.2	1093.9	1018.8	936.1	827.6	736.6	656.6	597.9	562.3	551.3	555.2
30°	1232.6	1144.3	1046.2	919.1	770.0	648.9	555.2	505.8	479.0	468.6	469.1
32.5°	1329.0	1216.7	1086.2	882.9	696.0	549.1	466.9	430.8	412.7	399.0	397.9
35°	1467.1	1326.8	1123.5	824.8	606.1	460.4	400.6	372.1	346.9	331.0	333.8
37.5°	1632.6	1465.5	1143.8	746.4	505.3	391.3	350.8	321.7	293.2	269.6	272.4
40°	1828.8	1646.9	1142.1	643.4	413.2	344.2	309.1	275.1	239.5	218.1	220.3
42.5°	2047.5	1818.4	1106.5	534.3	342.5	305.8	269.1	226.3	191.8	178.7	179.2
45°	2237.1	1957.6	1044.0	421.4	288.3	268.5	227.4	183.6	168.3	158.9	158.4
47.5°	2377.4	2059.6	954.7	331.6	244.4	234.6	186.9	164.4	152.4	144.7	143.6
50°	2455.8	2095.2	856.0	259.8	206.6	198.9	167.2	149.1	140.8	135.9	134.8
52.5°	2561.0	2137.9	785.4	205.0	173.2	162.8	154.0	138.7	133.2	129.3	127.7
55°	2727.6	2220.7	724.0	162.8	144.1	141.9	145.2	132.6	129.3	123.3	121.1
57.5°	2570.9	1994.9	562.3	126.1	121.7	129.9	140.3	126.6	118.4	112.9	110.7
60°	1809.1	1326.3	282.8	101.4	108.5	121.7	132.1	114.5	106.3	107.4	106.3
62.5°	997.4	663.7	127.1	84.9	94.3	107.4	112.9	99.2	93.7	103.0	104.7
65°	326.1	225.8	73.4	65.8	74.5	87.7	97.6	94.3	93.2	104.1	107.4
67.5°	100.3	74.5	49.9	47.1	51.5	64.7	82.2	101.9	109.6	112.9	114.5
70°	75.1	58.6	42.7	40.0	42.2	49.3	69.6	84.9	80.0	80.6	79.5
72.5°	60.3	46.6	36.7	35.1	35.1	34.0	36.7	46.0	52.1	54.8	54.8
75°	42.2	32.9	28.0	25.8	20.3	16.4	14.8	14.8	13.2	12.6	12.1
77.5°	14.2	12.1	11.0	8.8	6.0	4.9	4.4	3.8	2.7	1.6	1.1
80°	2.2	1.6	1.1	1.1	1.1	0.5	0.5	0.5	0.0	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	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)