

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: P630846

Luminaire Tested: GWS-SA1E-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7518.1 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

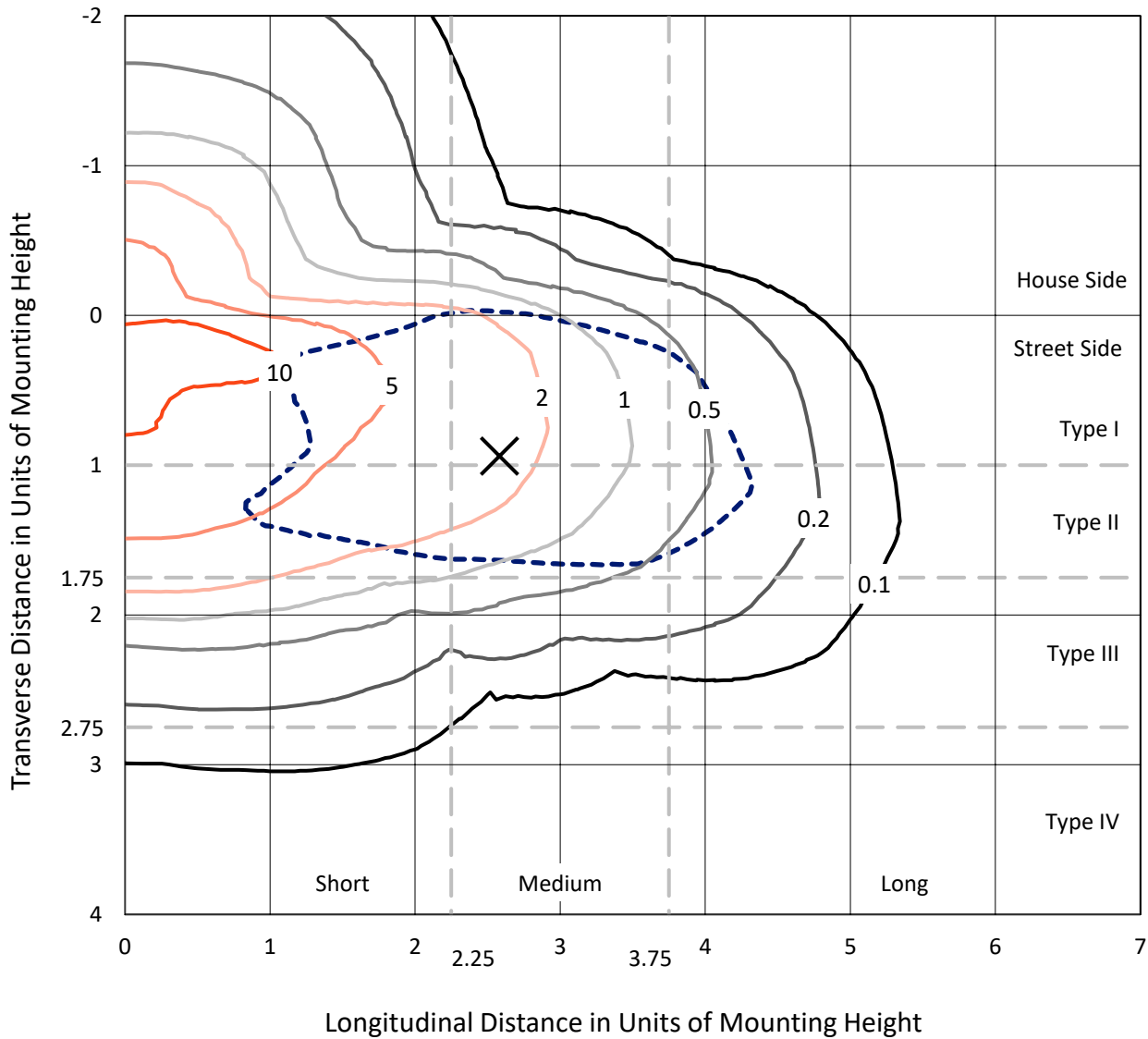
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

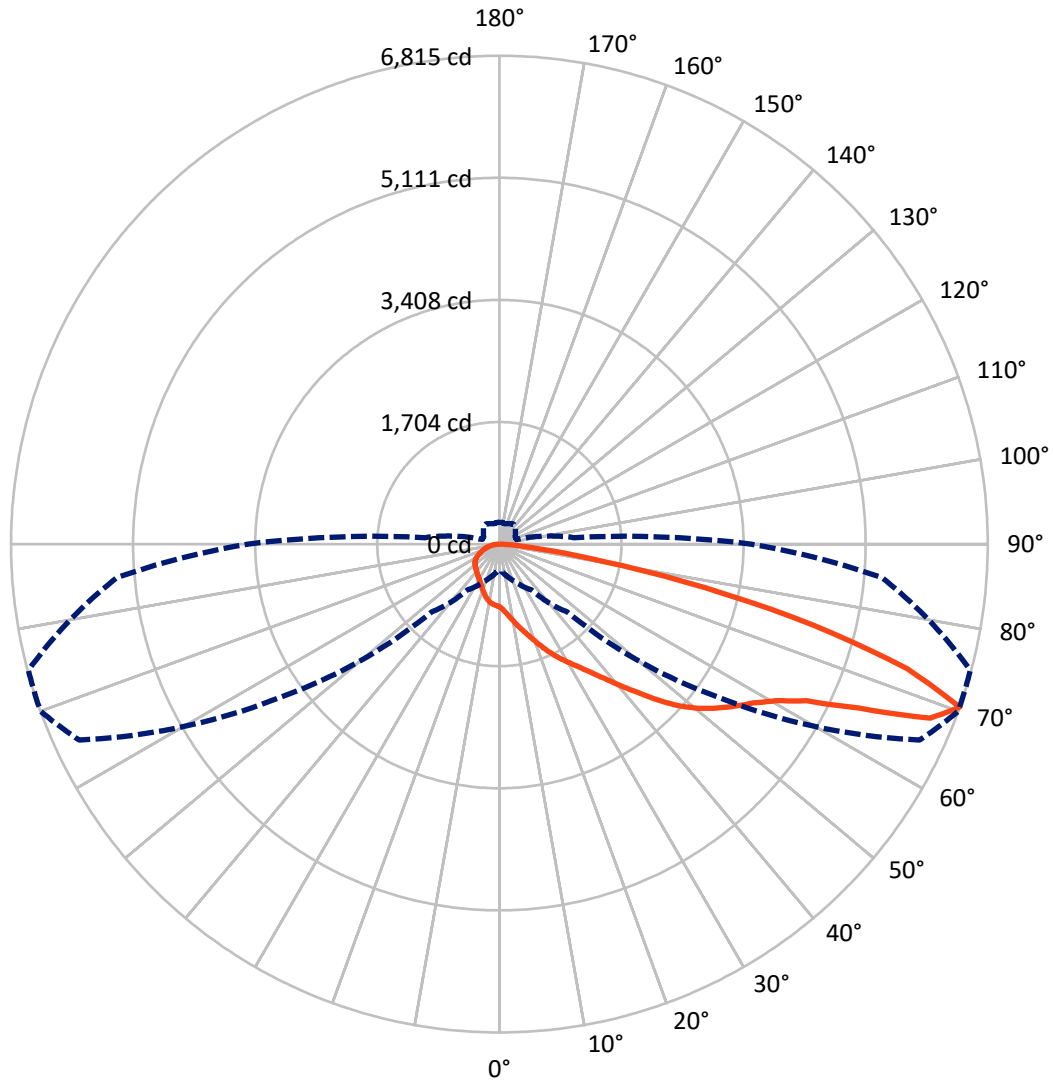
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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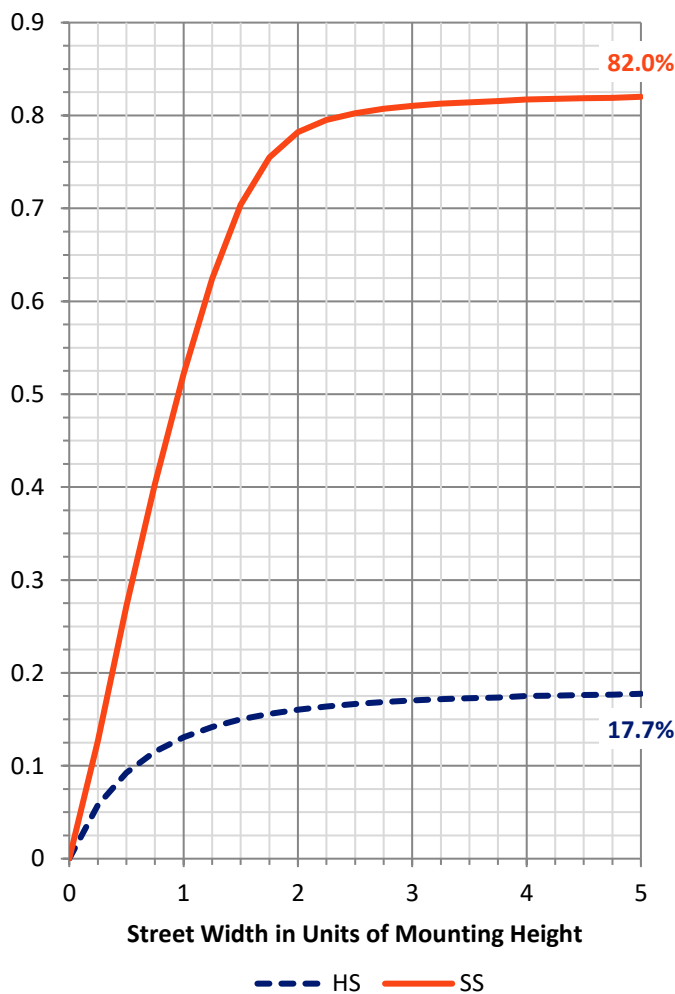
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1347.3	0.0	1347.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	6170.8	0.0	6170.8
	% Fixture	82.1	0.0	82.1
Total	Lumens	7518.1	0.0	7518.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.1	1.2
10°-20°	289.9	3.9
20°-30°	513.5	6.8
30°-40°	772.9	10.3
40°-50°	1169.3	15.6
50°-60°	1675.1	22.3
60°-70°	1851.6	24.6
70°-80°	1044.9	13.9
80°-90°	111.8	1.5
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°	7518.1	100.0
0°-180°	7518.1	100.0

Coefficient of Utilization



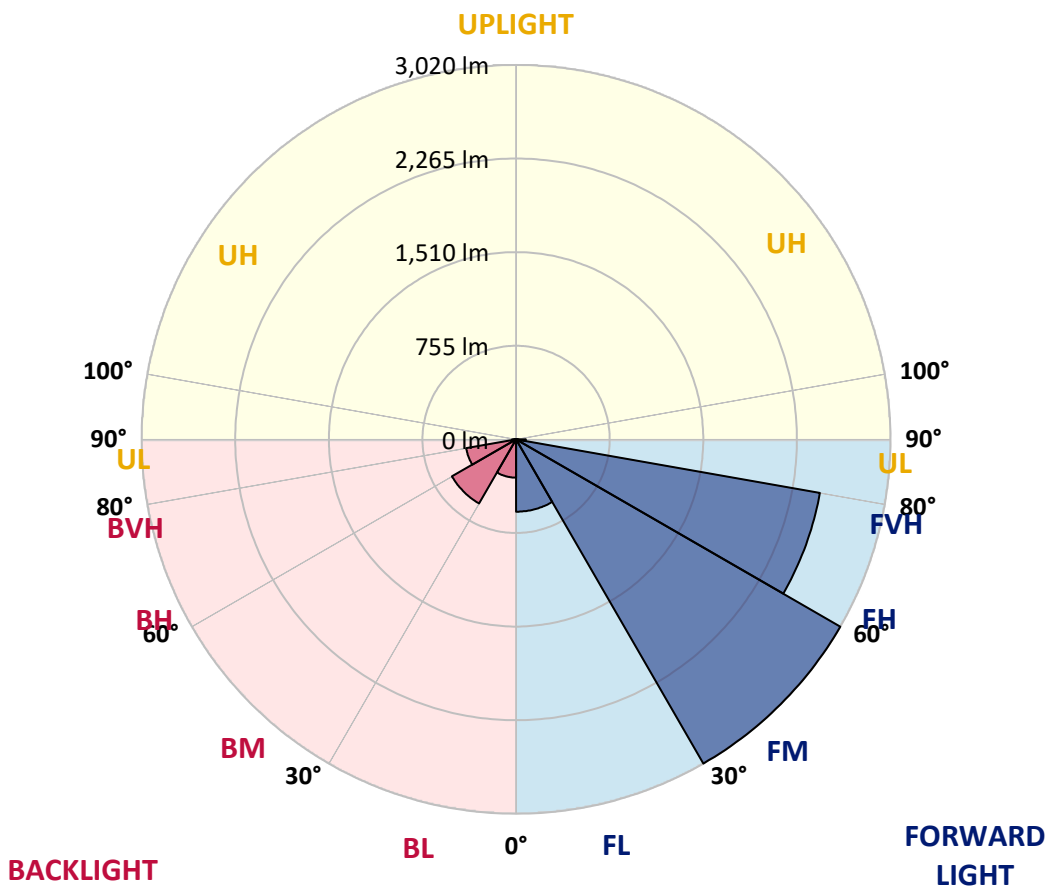
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	583.6	7.8			
FM (30°-60°)	3020.0	40.2			
FH (60°-80°)	2488.2	33.1			G2/5000
FVH (80°-90°)	79.0	1.1			G1/100
BL (0°-30°)	308.9	4.1	B1/500		
BM (30°-60°)	597.3	7.9	B1/1000		
BH (60°-80°)	408.3	5.4	B1/500		G1/500
BVH (80°-90°)	32.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8
2.5°	971.3	969.7	970.7	969.7	963.7	949.0	937.1	921.9	911.5	905.6	891.4
5°	1085.4	1083.7	1079.9	1074.5	1063.6	1043.5	1013.7	980.5	960.4	945.2	915.3
7.5°	1167.4	1167.4	1166.8	1160.3	1152.7	1131.5	1096.2	1052.8	1023.4	997.4	948.5
10°	1209.2	1211.9	1215.7	1225.0	1223.3	1211.9	1178.8	1132.1	1095.1	1064.7	991.9
12.5°	1232.0	1233.7	1240.2	1259.2	1278.8	1281.5	1261.9	1213.0	1172.8	1132.1	1040.3
15°	1261.4	1261.9	1270.6	1293.4	1322.2	1351.0	1346.1	1297.2	1255.9	1210.8	1094.1
17.5°	1284.2	1288.0	1303.7	1330.4	1366.2	1405.9	1429.8	1399.3	1348.3	1296.7	1152.7
20°	1292.3	1295.0	1315.7	1356.4	1405.3	1461.3	1514.5	1506.4	1454.8	1393.9	1219.0
22.5°	1321.7	1321.7	1336.9	1371.1	1428.7	1510.2	1596.5	1617.7	1572.1	1500.9	1290.2
25°	1386.3	1384.1	1391.2	1405.3	1448.8	1549.3	1677.5	1741.0	1690.0	1610.1	1361.3
27.5°	1474.9	1473.8	1473.2	1475.4	1490.1	1583.5	1745.9	1856.2	1805.1	1715.0	1424.9
30°	1571.0	1567.7	1574.8	1568.3	1565.0	1624.2	1804.1	1959.4	1919.8	1818.7	1477.6
32.5°	1701.9	1696.0	1694.3	1673.1	1660.1	1687.8	1850.8	2076.8	2045.2	1930.6	1536.8
35°	1874.7	1869.2	1841.5	1807.9	1769.3	1782.3	1908.9	2191.4	2193.5	2070.8	1614.5
37.5°	2049.0	2050.1	2028.4	1949.1	1909.4	1901.8	1997.4	2331.0	2377.7	2238.1	1715.0
40°	2194.1	2200.6	2200.6	2117.0	2057.7	2050.7	2121.8	2496.7	2589.6	2443.4	1842.1
42.5°	2304.4	2310.3	2329.4	2269.1	2206.6	2231.0	2272.9	2662.9	2829.7	2697.1	2002.9
45°	2425.5	2430.4	2440.7	2405.9	2369.6	2434.7	2444.0	2861.7	3104.5	2981.8	2189.7
47.5°	2586.3	2582.0	2583.0	2557.5	2529.3	2634.6	2632.5	3029.0	3370.2	3293.6	2392.4
50°	2786.2	2794.4	2786.7	2736.2	2703.1	2799.2	2811.7	3214.3	3603.8	3602.1	2596.6
52.5°	2978.5	2981.8	3022.0	3024.1	2956.2	2936.1	2968.7	3401.1	3800.9	3884.6	2792.7
55°	2988.3	3000.8	3121.4	3208.3	3318.0	3156.7	3127.3	3579.3	3991.6	4161.1	2996.4
57.5°	2780.2	2800.3	3005.1	3192.5	3497.8	3535.3	3399.0	3809.6	4182.3	4433.3	3232.2
60°	2335.9	2377.7	2655.8	2942.7	3416.9	3807.5	3954.7	4122.5	4432.7	4711.4	3518.5
62.5°	1491.7	1508.0	1898.0	2378.2	3052.4	3780.9	4559.8	4673.9	4814.1	5073.7	3959.6
65°	746.9	799.1	1027.8	1419.4	2201.2	3331.6	4865.7	5683.8	5512.1	5694.1	4674.5
67.5°	506.8	523.7	639.4	852.9	1290.7	2360.3	4676.1	6534.5	6483.9	6513.8	5436.6
70°	373.7	384.6	475.9	604.1	780.6	1340.1	3722.7	6470.4	6815.3	6804.4	5356.7
72.5°	272.7	278.1	347.1	461.2	578.5	693.2	2273.4	5226.9	5949.4	6262.8	4684.8
75°	198.3	204.8	241.2	344.9	449.8	432.4	1122.3	3775.4	4537.0	5140.0	3816.7
77.5°	147.8	155.9	172.7	216.2	315.1	309.6	485.1	2451.6	2934.5	3357.1	2318.5
80°	106.5	108.1	117.9	138.5	199.9	181.4	230.9	1278.2	1465.6	1605.8	908.8
82.5°	64.6	66.3	78.8	85.3	123.9	114.1	120.1	413.9	593.2	629.6	339.5
85°	19.0	20.1	35.9	39.1	51.6	48.9	48.3	168.4	201.0	256.9	133.6
87.5°	0.0	0.0	0.0	0.0	0.5	3.3	6.0	29.9	45.1	62.5	32.6
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°	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8	876.8
2.5°	886.0	873.5	867.0	855.6	847.4	839.3	831.1	823.5	820.3	815.4	816.5
5°	901.8	882.2	862.6	840.4	821.4	805.6	791.5	779.0	773.6	768.7	770.8
7.5°	925.7	896.3	858.8	818.1	788.2	766.5	751.8	743.1	740.4	736.6	736.6
10°	956.1	912.1	846.3	788.2	752.4	735.0	728.5	727.9	730.6	731.2	730.1
12.5°	989.8	927.3	827.9	752.9	722.5	717.1	721.9	731.2	740.4	745.3	744.2
15°	1024.5	937.1	796.4	719.2	700.8	707.8	723.6	742.0	760.0	769.2	768.7
17.5°	1057.1	939.2	755.6	686.6	681.7	699.7	726.8	755.6	780.1	793.1	793.7
20°	1093.5	935.4	713.8	657.3	662.7	692.1	727.9	762.7	791.5	804.5	807.8
22.5°	1126.6	922.4	673.1	629.6	646.4	682.8	719.2	751.8	777.4	789.9	794.2
25°	1156.5	897.4	628.5	606.2	633.9	669.8	697.5	720.3	738.2	745.8	751.8
27.5°	1172.8	859.9	594.8	587.8	622.0	651.3	666.5	673.6	679.6	677.4	681.7
30°	1176.1	813.2	565.5	573.1	604.1	625.8	629.1	622.0	611.7	594.8	598.6
32.5°	1172.8	759.4	541.1	557.3	584.0	597.0	592.7	574.2	549.2	523.1	524.8
35°	1173.9	705.1	521.0	540.0	560.6	567.7	556.8	531.3	504.7	480.8	479.7
37.5°	1185.9	659.5	504.1	523.1	537.8	538.9	526.9	500.3	486.7	468.8	466.6
40°	1219.0	625.8	488.9	506.3	515.5	515.0	501.4	482.4	491.6	485.6	484.0
42.5°	1273.3	605.2	476.4	488.4	494.9	496.0	485.1	473.1	493.2	485.6	482.9
45°	1360.8	604.1	467.7	470.4	480.8	488.4	480.8	467.2	474.8	437.8	430.8
47.5°	1464.5	622.5	461.2	454.7	472.6	486.2	474.2	452.5	436.8	403.1	398.2
50°	1589.5	660.0	455.2	437.8	460.7	478.0	466.1	436.2	412.3	394.4	391.7
52.5°	1737.8	709.5	447.6	418.8	442.7	473.7	466.1	434.6	403.1	386.8	384.1
55°	1893.1	766.5	438.9	396.0	422.6	474.8	469.9	423.2	396.0	387.3	385.1
57.5°	2086.0	834.9	423.2	369.4	404.7	465.0	454.7	416.7	391.1	384.1	381.9
60°	2336.4	936.5	393.3	342.2	384.1	447.6	441.1	405.8	378.1	372.1	370.5
62.5°	2733.0	1108.7	356.9	316.2	359.6	411.2	421.0	385.1	361.8	361.2	360.7
65°	3379.4	1315.7	314.0	292.8	334.1	381.3	394.4	364.0	344.9	350.9	350.4
67.5°	3832.5	1333.6	278.7	268.4	304.2	348.8	367.8	342.2	321.6	333.0	332.5
70°	3510.3	1040.3	248.3	242.8	272.2	313.4	339.0	315.1	294.4	305.3	303.1
72.5°	2960.6	797.5	219.5	216.2	239.6	276.5	302.0	287.9	266.2	266.2	261.3
75°	2379.3	657.8	189.0	187.4	203.2	239.0	267.8	243.9	223.8	222.7	219.5
77.5°	1364.6	431.3	158.6	157.5	162.4	199.9	208.1	203.2	188.0	180.9	178.7
80°	543.8	224.4	124.9	117.9	122.8	146.7	164.1	155.9	142.9	134.2	129.3
82.5°	210.8	112.4	88.0	77.1	84.2	105.9	119.0	116.3	107.6	88.0	82.6
85°	85.8	54.9	52.7	44.5	48.9	57.0	68.4	59.2	48.9	34.8	33.1
87.5°	22.8	20.1	19.6	12.0	9.2	2.7	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)