

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: P630906

Luminaire Tested: GWS-SA1E-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630906  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

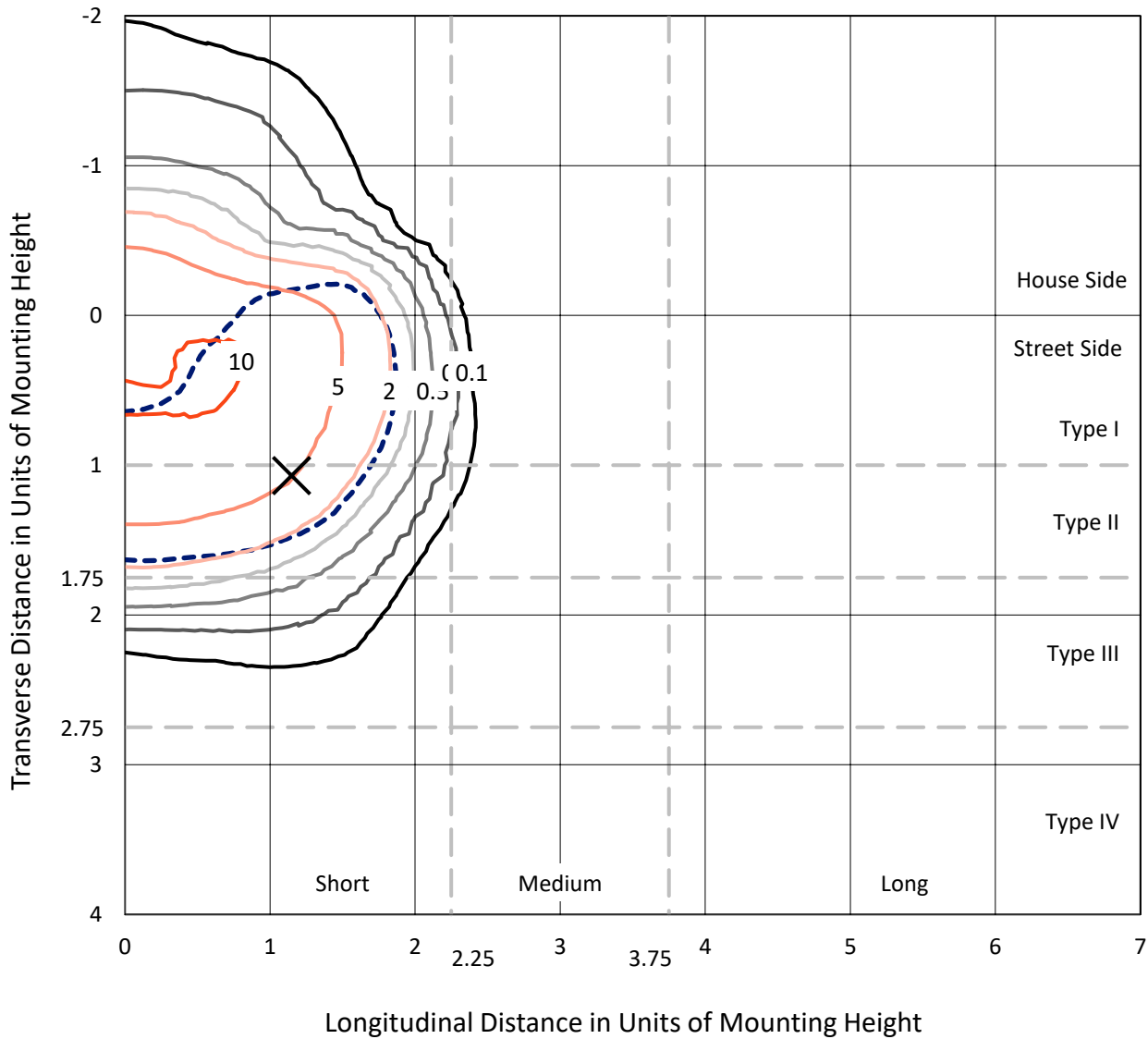
Lumens per Lamp: N/A  
Luminaire Lumens: 4786.5 lumens  
Efficiency: N/A  
Efficacy: 82.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

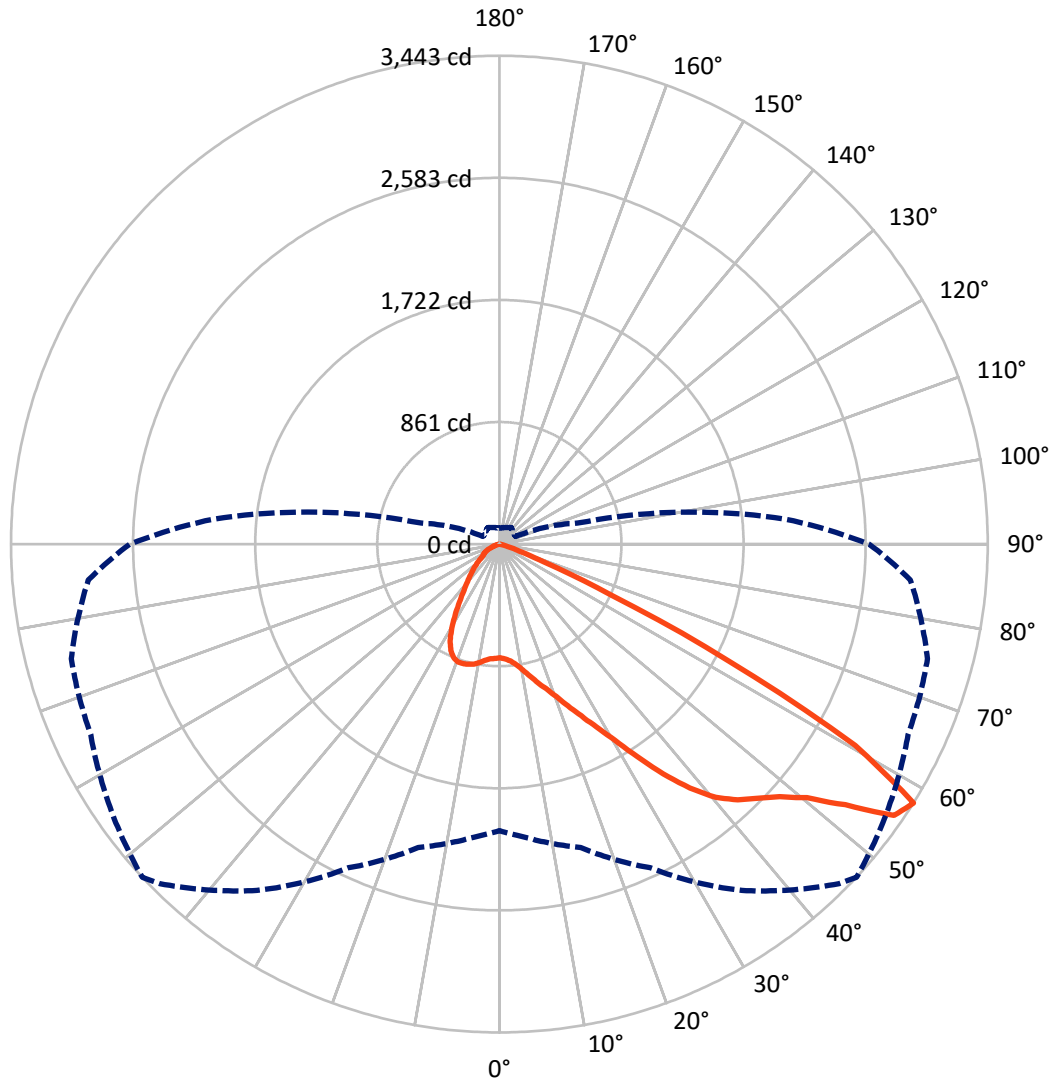
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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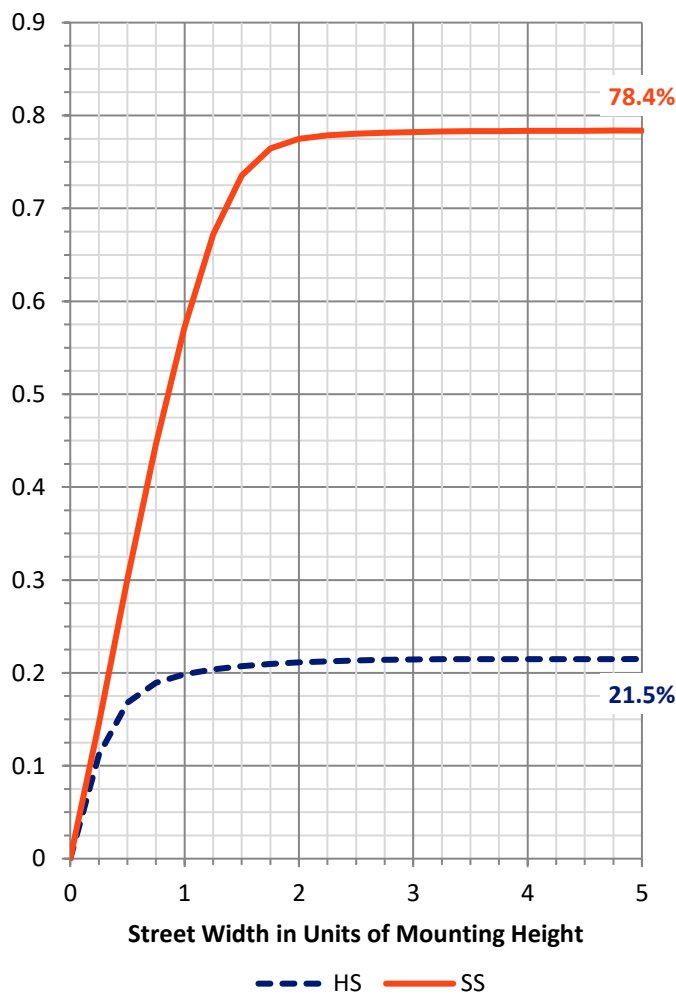
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1038.4	0.0	1038.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3748.1	0.0	3748.1
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4786.5	0.0	4786.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.7	1.7
10°-20°	269.0	5.6
20°-30°	499.4	10.4
30°-40°	799.5	16.7
40°-50°	1168.7	24.4
50°-60°	1442.4	30.1
60°-70°	482.0	10.1
70°-80°	44.9	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°	4786.5	100.0
0°-180°	4786.5	100.0

**Coefficient of Utilization**



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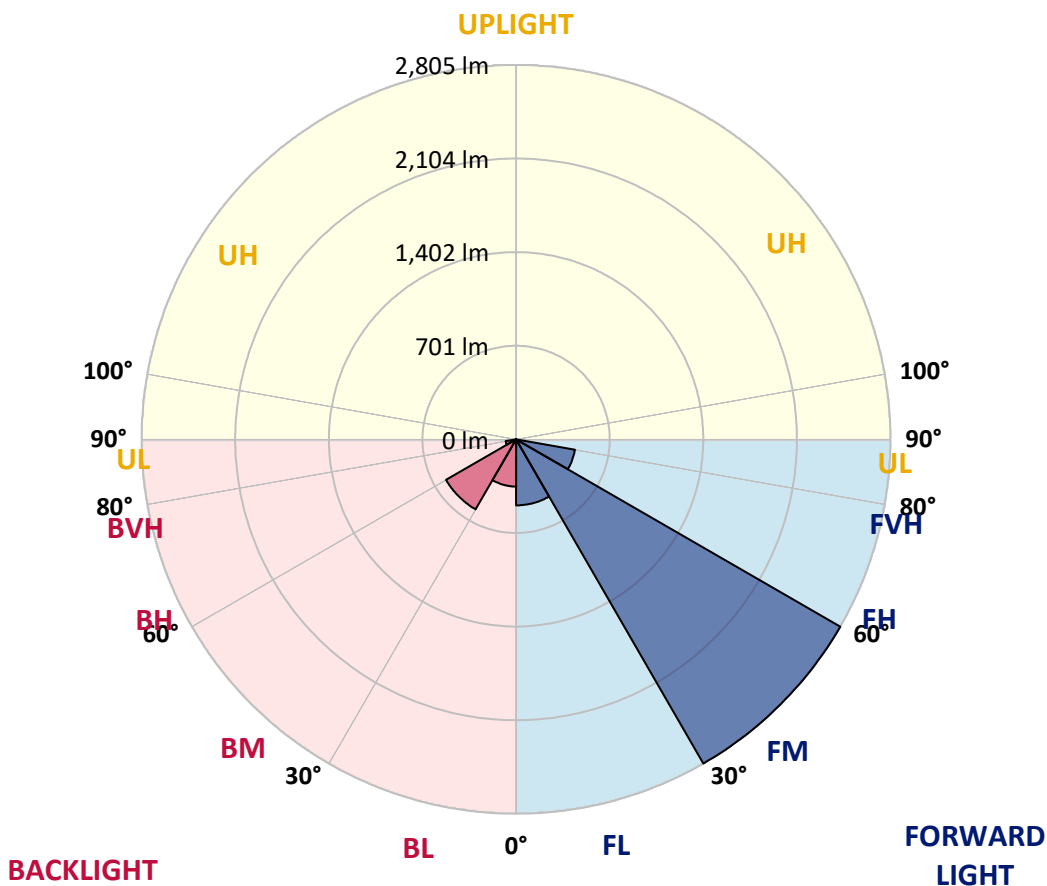
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.7	10.3			
FM (30°-60°)	2804.9	58.6			
FH (60°-80°)	447.9	9.4			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	353.5	7.4	B1/500		
BM (30°-60°)	605.7	12.7	B1/1000		
BH (60°-80°)	79.0	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3
2.5°	809.6	809.0	808.5	811.8	810.7	810.2	811.3	811.3	811.3	807.9	801.3
5°	829.0	829.0	828.5	831.8	829.0	827.4	827.9	827.9	825.7	819.6	811.3
7.5°	859.6	858.5	857.4	860.7	857.9	857.4	858.5	855.2	851.3	841.3	829.6
10°	903.5	903.5	901.8	905.2	903.0	901.8	901.8	899.6	892.4	876.8	859.6
12.5°	964.1	961.3	957.4	954.6	953.5	953.0	953.5	950.2	942.4	922.4	898.5
15°	1030.2	1028.0	1021.9	1017.4	1011.3	1010.2	1013.5	1010.7	1003.0	975.7	941.8
17.5°	1113.5	1116.3	1100.8	1091.3	1073.5	1072.4	1073.5	1078.0	1072.4	1037.4	988.0
20°	1184.7	1186.9	1175.2	1168.6	1152.4	1145.2	1147.4	1154.7	1148.6	1107.4	1038.5
22.5°	1260.8	1263.6	1251.4	1237.5	1230.2	1230.2	1238.6	1248.6	1240.2	1186.3	1096.3
25°	1351.9	1354.1	1344.1	1325.8	1313.0	1329.1	1341.4	1368.0	1354.1	1280.8	1164.7
27.5°	1456.4	1456.9	1442.5	1423.6	1416.9	1446.9	1459.2	1500.3	1494.7	1386.9	1236.9
30°	1568.1	1568.6	1565.3	1552.5	1546.4	1585.9	1602.5	1662.0	1658.1	1518.6	1335.3
32.5°	1684.2	1684.2	1690.3	1689.2	1696.4	1760.9	1787.6	1855.4	1851.5	1679.8	1457.5
35°	1800.9	1801.5	1812.0	1838.7	1868.7	1954.3	1989.3	2071.5	2062.6	1872.6	1613.6
37.5°	1933.7	1928.1	1942.6	1982.6	2049.3	2148.2	2181.5	2259.9	2249.9	2069.8	1817.6
40°	2093.7	2083.7	2083.7	2130.4	2206.0	2319.9	2348.2	2387.1	2353.2	2229.3	2017.6
42.5°	2270.4	2261.0	2248.8	2289.9	2353.2	2442.1	2465.5	2454.9	2427.1	2379.9	2245.4
45°	2449.4	2434.9	2443.2	2468.3	2504.9	2547.2	2556.0	2507.1	2494.4	2507.7	2433.8
47.5°	2585.5	2575.5	2596.1	2631.1	2661.1	2667.2	2661.1	2593.3	2592.2	2639.4	2564.4
50°	2631.1	2632.2	2688.9	2765.5	2813.9	2818.9	2810.5	2732.7	2722.2	2736.1	2635.0
52.5°	2635.5	2640.0	2722.7	2868.9	3000.6	3060.6	3053.9	2970.0	2866.7	2851.7	2741.6
55°	2528.3	2554.4	2670.0	2883.3	3163.4	3355.1	3377.3	3216.7	3063.4	3050.6	2971.1
57.5°	2020.9	2074.3	2213.8	2517.7	2981.7	3385.7	3443.4	3327.9	3179.5	3125.0	2909.4
60°	1208.0	1274.1	1408.0	1780.9	2269.3	2782.8	2882.2	2898.3	2830.0	2672.7	2232.1
62.5°	518.4	512.9	677.9	963.5	1349.7	1768.7	1813.7	1883.7	1943.2	1778.7	1354.7
65°	177.8	193.4	268.9	434.5	675.7	821.3	861.3	924.1	1008.5	832.4	496.2
67.5°	110.0	116.7	155.0	256.7	364.5	359.0	341.2	331.2	322.3	220.6	136.1
70°	80.0	85.6	108.9	176.7	245.0	172.3	149.5	121.1	134.5	123.9	96.7
72.5°	53.9	58.3	75.0	107.2	125.6	83.9	77.8	88.4	106.7	101.7	78.9
75°	32.2	35.0	42.8	52.2	51.1	43.3	43.9	62.2	81.7	76.1	56.1
77.5°	22.2	23.3	28.3	33.9	25.0	13.3	12.2	17.2	27.8	27.8	18.9
80°	5.6	7.2	7.2	4.4	3.9	3.3	3.3	5.0	7.8	5.6	2.8
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1
87.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3	801.3
2.5°	805.2	798.5	802.9	801.8	805.2	806.3	801.3	800.2	800.7	794.0	791.8
5°	812.9	805.2	807.4	805.2	809.0	812.4	810.7	812.9	815.7	810.7	808.5
7.5°	829.6	821.8	821.3	817.9	823.5	825.7	825.2	831.3	836.8	833.5	830.2
10°	858.5	847.9	846.8	844.1	845.7	847.4	841.3	842.4	847.4	843.5	841.8
12.5°	894.1	881.3	878.5	871.8	871.8	863.5	850.2	847.4	851.3	848.5	845.7
15°	932.4	915.2	910.7	899.1	887.9	872.4	858.5	855.2	857.9	854.6	852.4
17.5°	975.2	955.7	941.3	920.7	896.3	877.9	862.4	855.2	850.7	844.1	843.5
20°	1017.4	991.9	967.4	934.6	902.4	874.6	849.1	830.2	814.0	804.0	800.2
22.5°	1066.3	1028.5	989.1	943.0	896.8	854.6	809.6	777.4	749.6	740.1	735.7
25°	1118.5	1069.7	1010.7	950.7	877.9	810.2	749.0	701.2	664.6	652.3	647.3
27.5°	1176.3	1109.1	1033.0	949.1	839.1	746.8	665.7	606.2	570.1	559.0	562.9
30°	1249.7	1160.2	1060.8	931.8	780.7	657.9	562.9	512.9	485.6	475.1	475.6
32.5°	1347.5	1233.6	1101.3	895.2	705.7	556.8	473.4	436.8	418.4	404.5	403.4
35°	1487.5	1345.3	1139.1	836.3	614.6	466.8	406.2	377.3	351.7	335.6	338.4
37.5°	1655.3	1485.8	1159.7	756.8	512.3	396.7	355.6	326.2	297.3	273.4	276.2
40°	1854.2	1669.8	1158.0	652.3	419.0	349.0	313.4	278.9	242.8	221.2	223.4
42.5°	2076.0	1843.7	1121.9	541.8	347.3	310.1	272.8	229.5	194.5	181.1	181.7
45°	2268.2	1984.8	1058.5	427.3	292.3	272.3	230.6	186.1	170.6	161.1	160.6
47.5°	2410.5	2088.2	968.0	336.2	247.8	237.8	189.5	166.7	154.5	146.7	145.6
50°	2489.9	2124.3	867.9	263.4	209.5	201.7	169.5	151.1	142.8	137.8	136.7
52.5°	2596.6	2167.6	796.3	207.8	175.6	165.0	156.1	140.6	135.0	131.1	129.5
55°	2765.5	2251.5	734.0	165.0	146.1	143.9	147.3	134.5	131.1	125.0	122.8
57.5°	2606.6	2022.6	570.1	127.8	123.4	131.7	142.2	128.4	120.0	114.5	112.2
60°	1834.2	1344.7	286.7	102.8	110.0	123.4	133.9	116.1	107.8	108.9	107.8
62.5°	1011.3	672.9	128.9	86.1	95.6	108.9	114.5	100.6	95.0	104.5	106.1
65°	330.6	228.9	74.5	66.7	75.6	88.9	98.9	95.6	94.5	105.6	108.9
67.5°	101.7	75.6	50.6	47.8	52.2	65.6	83.3	103.4	111.1	114.5	116.1
70°	76.1	59.5	43.3	40.6	42.8	50.0	70.6	86.1	81.1	81.7	80.6
72.5°	61.1	47.2	37.2	35.6	35.6	34.5	37.2	46.7	52.8	55.6	55.6
75°	42.8	33.3	28.3	26.1	20.6	16.7	15.0	15.0	13.3	12.8	12.2
77.5°	14.4	12.2	11.1	8.9	6.1	5.0	4.4	3.9	2.8	1.7	1.1
80°	2.2	1.7	1.1	1.1	1.1	0.6	0.6	0.6	0.0	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.0	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.6	0.6	0.6	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)