

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: P630972

Luminaire Tested: GWS-SA1E-760-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630972  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

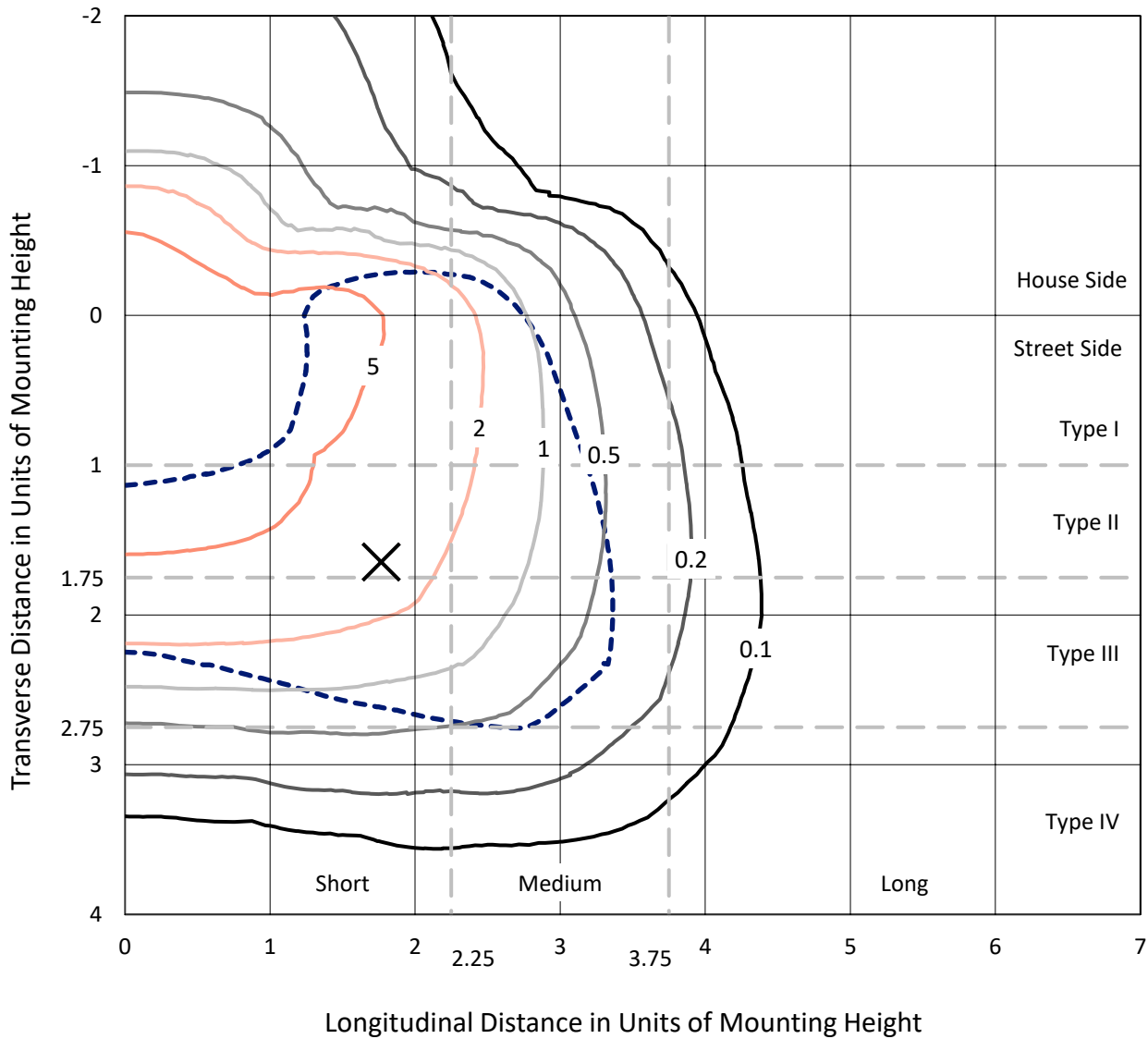
Lumens per Lamp: N/A  
Luminaire Lumens: 7579.5 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

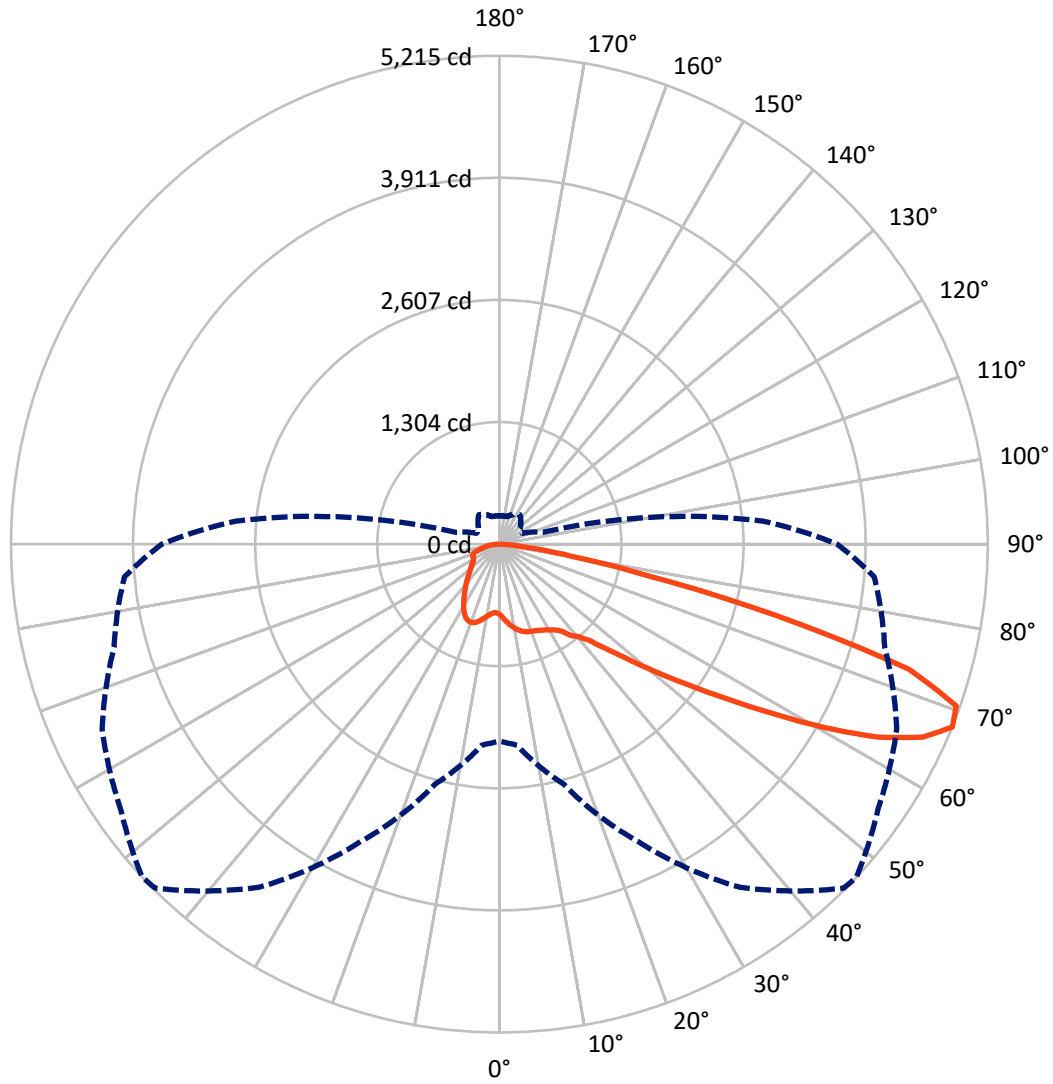
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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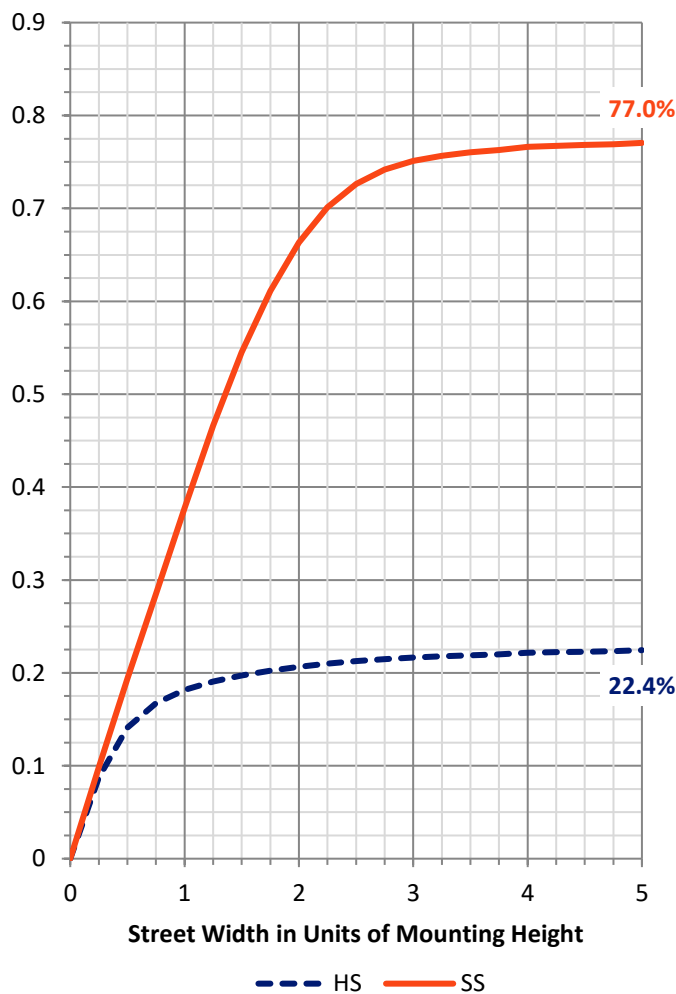
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1727.4	0.0	1727.4
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	5852.1	0.0	5852.1
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	7579.5	0.0	7579.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	1.0
10°-20°	255.8	3.4
20°-30°	434.9	5.7
30°-40°	637.0	8.4
40°-50°	970.6	12.8
50°-60°	1736.6	22.9
60°-70°	2317.3	30.6
70°-80°	1047.9	13.8
80°-90°	102.7	1.4
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°	7579.5	100.0
0°-180°	7579.5	100.0

**Coefficient of Utilization**



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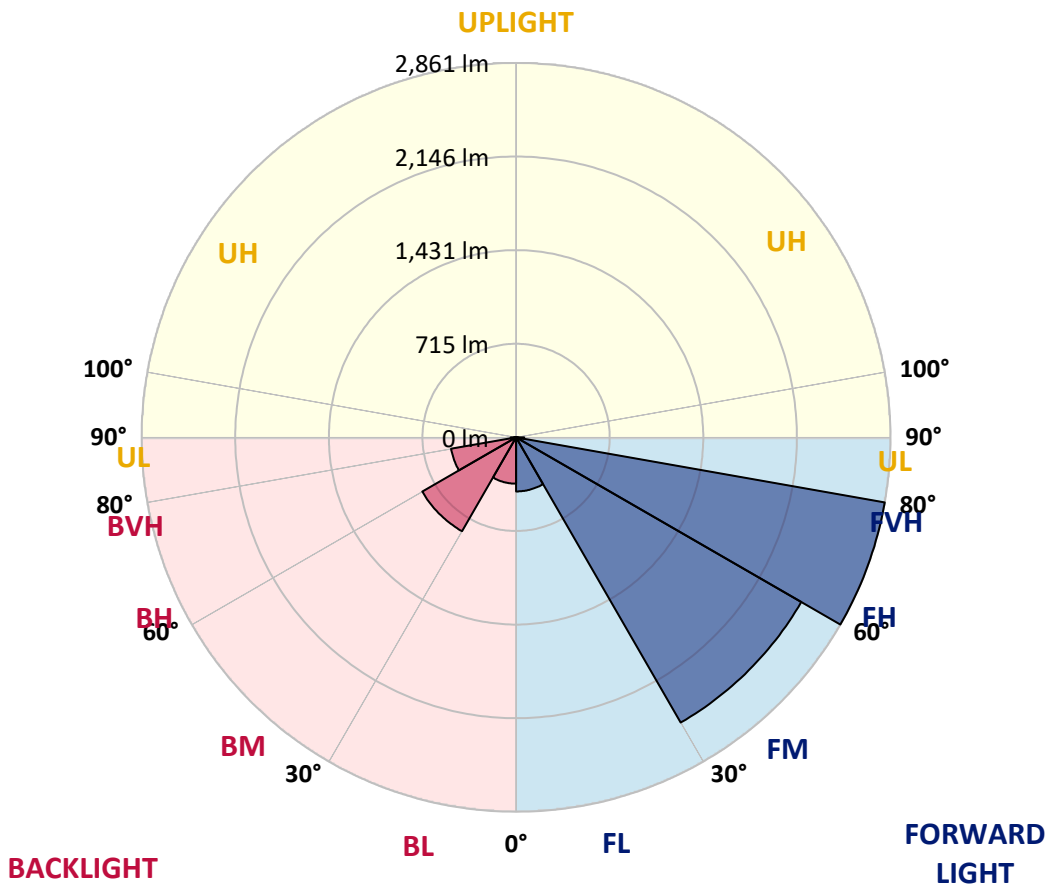
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	413.4	5.5			
FM (30°-60°)	2516.5	33.2			
FH (60°-80°)	2861.2	37.7			G2/5000
FVH (80°-90°)	61.1	0.8			G1/100
BL (0°-30°)	354.1	4.7	B1/500		
BM (30°-60°)	827.7	10.9	B1/1000		
BH (60°-80°)	504.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4
2.5°	801.2	804.0	803.4	799.0	796.3	791.4	791.9	784.3	772.7	765.1	756.3
5°	871.9	876.3	870.8	863.7	852.8	836.9	835.2	817.7	795.8	780.4	764.5
7.5°	933.3	936.1	929.5	917.4	901.5	880.2	876.3	855.5	828.1	804.0	781.0
10°	981.0	984.3	975.5	959.6	938.8	917.4	914.7	893.3	864.3	835.8	806.7
12.5°	1021.6	1022.7	1013.3	992.0	969.5	947.6	944.8	925.1	898.2	869.2	837.4
15°	1045.1	1045.7	1034.2	1010.6	989.2	970.0	968.4	951.4	926.7	899.3	865.4
17.5°	1043.5	1044.6	1036.4	1015.5	996.9	985.4	983.7	972.8	953.6	928.9	895.0
20°	1023.2	1024.3	1018.8	1005.1	995.2	992.0	992.5	989.2	977.7	957.4	922.9
22.5°	1007.3	1008.9	1004.0	994.2	993.1	1000.7	1002.4	1004.0	998.5	980.5	947.0
25°	1015.0	1017.7	1010.0	996.3	998.5	1015.5	1018.8	1024.3	1019.9	1004.6	975.5
27.5°	1068.1	1069.8	1050.1	1022.1	1015.5	1033.6	1038.5	1047.3	1044.0	1029.8	1007.3
30°	1191.4	1190.4	1148.2	1079.6	1052.2	1059.4	1063.2	1075.8	1076.9	1067.6	1046.2
32.5°	1365.2	1359.7	1294.5	1185.4	1106.0	1088.4	1092.8	1109.8	1122.4	1112.5	1083.5
35°	1548.8	1543.8	1472.0	1344.4	1205.1	1144.3	1139.4	1152.5	1171.7	1144.3	1102.7
37.5°	1723.6	1715.9	1642.5	1484.7	1327.4	1242.4	1235.3	1222.1	1210.6	1158.0	1126.2
40°	1917.6	1908.8	1844.7	1666.1	1462.2	1317.5	1299.4	1247.3	1236.9	1203.5	1187.6
42.5°	2124.8	2124.8	2071.6	1895.7	1625.0	1424.9	1401.3	1323.0	1333.9	1312.0	1293.4
45°	2331.9	2338.0	2295.8	2127.0	1842.5	1627.7	1589.9	1478.6	1504.9	1495.1	1485.7
47.5°	2508.4	2519.9	2511.7	2363.2	2108.9	1874.3	1816.8	1701.1	1757.6	1781.1	1807.4
50°	2698.6	2711.2	2703.0	2644.3	2420.7	2173.0	2121.5	2002.0	2099.0	2169.7	2255.7
52.5°	2980.8	2998.9	2930.4	2907.9	2799.4	2512.2	2466.2	2330.3	2506.2	2623.5	2815.3
55°	3219.2	3218.7	3194.5	3246.1	3206.1	2927.1	2876.1	2752.8	2977.5	3101.9	3382.5
57.5°	3329.9	3343.1	3425.8	3571.6	3651.6	3434.0	3385.3	3259.2	3483.4	3548.0	3851.1
60°	3386.9	3403.4	3563.4	3851.7	4067.0	3987.6	3968.4	3807.8	3933.9	3926.2	4246.2
62.5°	3306.9	3339.8	3596.8	3979.9	4363.5	4543.8	4537.8	4295.0	4316.9	4241.9	4491.2
65°	2939.7	2975.3	3378.7	3915.8	4532.9	4966.9	4968.6	4736.2	4611.2	4395.3	4450.1
67.5°	2102.3	2153.3	2652.0	3503.6	4473.1	5195.5	5214.6	4936.2	4680.3	4259.4	4018.3
70°	1146.0	1183.2	1574.0	2546.8	3935.0	5140.7	5176.3	4839.8	4375.6	3684.5	3093.2
72.5°	520.6	532.7	732.2	1397.5	2688.2	4424.9	4574.0	4319.1	3593.5	2721.6	1966.9
75°	238.4	243.9	319.0	668.6	1404.6	2961.1	3065.8	3217.0	2500.7	1718.7	1025.4
77.5°	149.6	151.3	181.4	305.8	700.4	1478.1	1588.2	1915.4	1464.4	850.6	428.6
80°	88.2	89.9	112.9	165.5	328.8	676.3	781.0	757.4	688.3	367.2	195.1
82.5°	44.4	46.0	65.2	94.3	179.2	269.1	316.8	318.4	256.5	198.9	110.2
85°	15.9	16.4	21.4	37.3	76.2	88.8	99.2	121.1	125.5	115.6	53.2
87.5°	0.0	0.0	0.5	1.1	2.2	8.8	9.3	17.5	36.7	41.1	21.4
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°	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4	751.4
2.5°	753.6	745.3	742.6	739.9	735.5	733.8	730.5	727.3	727.3	724.0	722.3
5°	757.4	746.4	739.3	736.0	733.3	734.9	734.9	736.0	739.9	737.7	738.8
7.5°	771.1	758.5	748.6	745.9	745.9	752.5	756.8	762.3	769.5	770.5	770.5
10°	795.2	780.4	770.0	768.4	771.1	780.4	787.0	793.6	802.3	802.9	804.0
12.5°	821.5	806.7	796.3	798.5	801.2	813.3	820.4	825.9	834.7	834.7	834.1
15°	848.9	832.5	823.7	828.1	836.3	850.0	851.1	851.7	856.0	854.9	854.4
17.5°	877.4	859.9	853.3	859.9	868.6	875.2	869.7	862.1	860.4	858.2	857.1
20°	905.4	887.3	884.5	889.5	892.2	886.7	869.7	855.5	848.9	845.6	844.5
22.5°	929.5	914.1	912.5	912.5	898.8	879.6	854.4	835.2	826.5	822.1	821.0
25°	958.0	943.7	941.0	926.2	891.1	856.0	822.1	804.5	797.4	795.2	795.8
27.5°	991.4	981.5	972.8	930.6	869.2	814.4	776.0	768.4	765.6	768.4	770.0
30°	1032.5	1022.7	1002.9	925.1	834.1	760.1	723.4	722.9	731.1	738.2	739.3
32.5°	1065.9	1061.6	1029.2	907.6	784.8	700.4	669.2	671.4	686.2	696.0	697.7
35°	1092.3	1099.4	1051.1	878.5	726.2	644.0	619.3	620.4	628.6	642.3	642.9
37.5°	1129.5	1153.6	1070.9	834.1	658.7	595.2	572.7	564.5	563.4	567.2	568.3
40°	1204.6	1240.8	1085.1	769.5	593.5	551.3	526.1	510.2	496.5	486.1	482.8
42.5°	1318.0	1359.7	1093.3	691.1	535.4	508.0	479.5	459.3	435.1	413.2	405.6
45°	1526.3	1540.0	1093.3	607.8	483.9	467.5	439.0	414.9	384.2	358.4	352.9
47.5°	1859.5	1815.7	1094.4	527.2	438.4	431.9	407.2	379.8	345.8	324.4	321.2
50°	2361.5	2207.5	1116.9	460.4	400.6	401.7	383.6	353.5	322.8	306.9	304.2
52.5°	2930.4	2690.3	1177.2	411.0	368.8	377.1	367.2	338.1	310.7	297.0	294.3
55°	3465.3	3134.3	1228.7	376.0	342.0	356.2	355.7	328.8	304.2	290.5	288.8
57.5°	3920.2	3438.4	1221.0	347.5	319.0	337.0	345.3	322.8	299.8	288.3	286.6
60°	4202.9	3599.6	1112.0	321.2	301.4	323.3	339.2	321.2	302.0	299.2	299.8
62.5°	4325.7	3570.0	902.6	301.4	289.9	316.8	345.8	332.7	322.2	328.8	332.7
65°	4135.0	3315.7	664.2	286.6	279.0	318.4	361.2	350.7	322.2	326.6	328.3
67.5°	3605.6	2822.4	480.1	271.8	265.3	323.3	383.1	348.0	303.6	303.6	300.3
70°	2598.3	2030.0	348.6	257.0	251.6	316.2	384.2	329.4	282.2	280.6	272.4
72.5°	1563.6	1197.5	271.8	240.6	230.7	280.6	360.1	307.5	261.4	247.7	237.9
75°	812.2	600.1	228.0	222.5	197.8	237.9	329.4	273.5	223.6	211.5	206.1
77.5°	348.0	280.6	195.7	198.4	164.4	200.0	265.8	236.8	198.4	183.0	178.1
80°	171.5	159.5	154.5	158.9	131.5	154.5	229.1	207.2	168.2	150.7	143.6
82.5°	98.1	93.2	111.3	112.9	93.7	129.3	193.5	175.4	139.2	120.0	108.5
85°	45.5	48.8	67.4	68.0	58.1	88.8	126.6	98.6	74.0	61.4	58.6
87.5°	18.1	21.4	29.6	29.0	17.0	16.4	11.0	6.0	4.9	4.4	3.8
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)