

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: P630917

Luminaire Tested: GWS-SA1E-750-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630917  
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-750-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

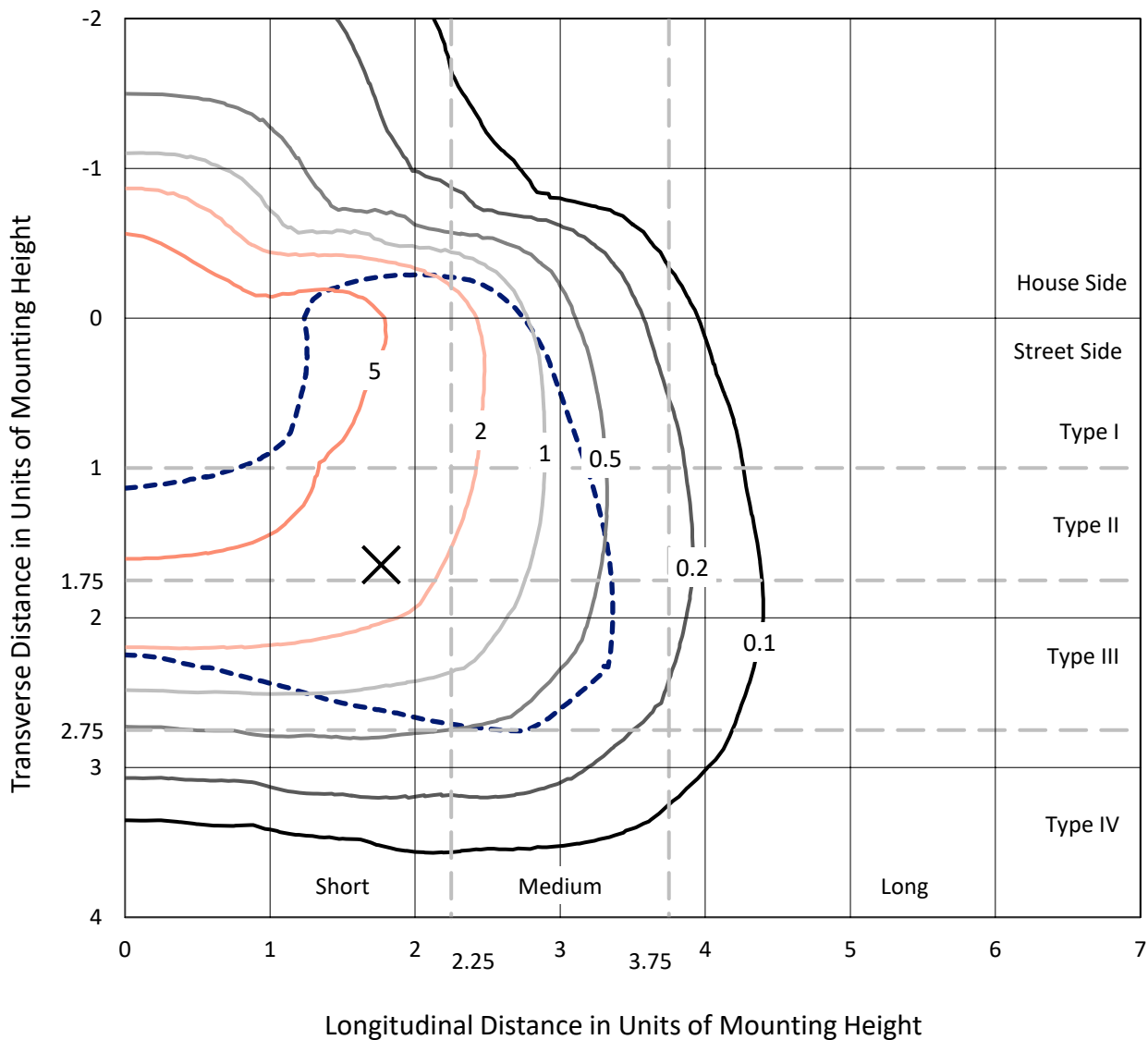
Lumens per Lamp: N/A  
Luminaire Lumens: 7684.8 lumens  
Efficiency: N/A  
Efficacy: 131.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

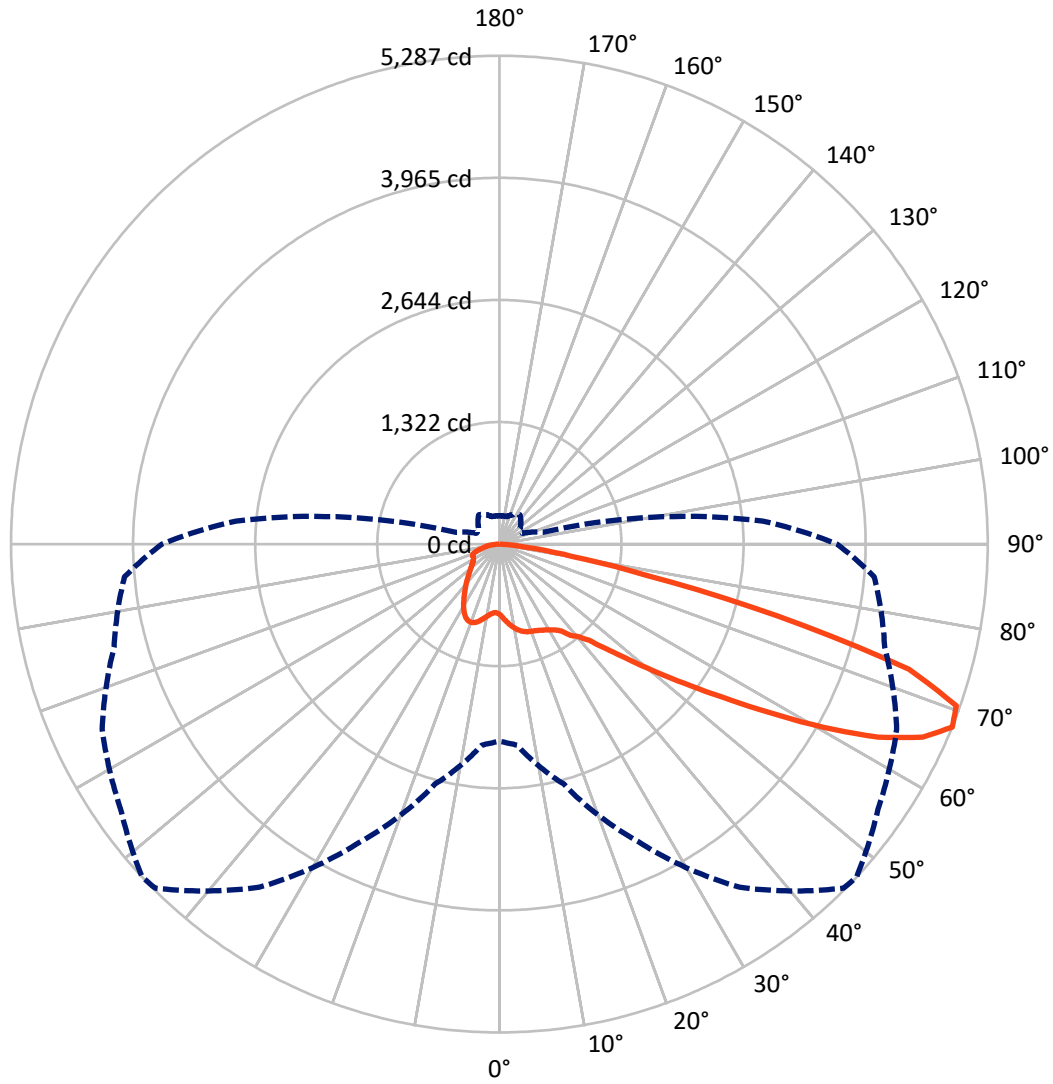
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.6 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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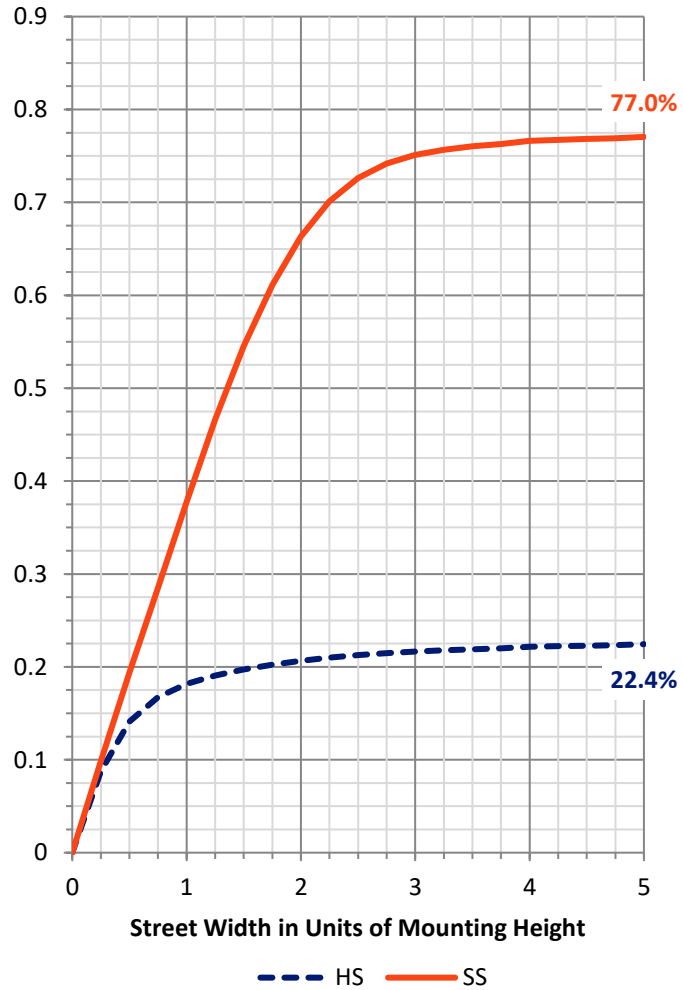
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1751.4	0.0	1751.4
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	5933.4	0.0	5933.4
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	7684.8	0.0	7684.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.9	1.0
10°-20°	259.4	3.4
20°-30°	440.9	5.7
30°-40°	645.9	8.4
40°-50°	984.1	12.8
50°-60°	1760.7	22.9
60°-70°	2349.5	30.6
70°-80°	1062.5	13.8
80°-90°	104.1	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°	7684.8	100.0
0°-180°	7684.8	100.0

**Coefficient of Utilization**



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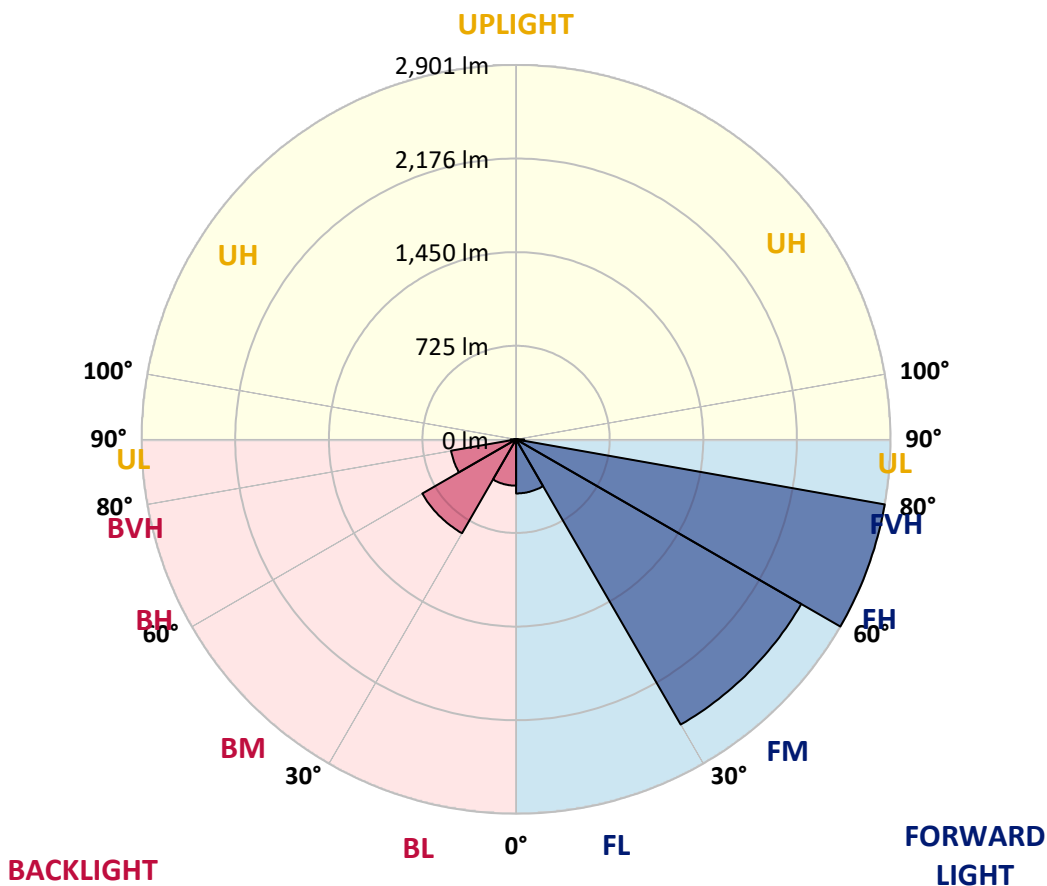
CATALOG NUMBER: GWS-SA1E-750-U-T4W-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.1	5.5			
FM (30°-60°)	2551.4	33.2			
FH (60°-80°)	2900.9	37.7			G2/5000
FVH (80°-90°)	61.9	0.8			G1/100
BL (0°-30°)	359.0	4.7	B1/500		
BM (30°-60°)	839.2	10.9	B1/1000		
BH (60°-80°)	511.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	42.2	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°	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8
2.5°	812.4	815.2	814.6	810.1	807.4	802.4	802.9	795.1	783.5	775.7	766.8
5°	884.1	888.5	882.9	875.7	864.6	848.5	846.8	829.0	806.8	791.3	775.1
7.5°	946.3	949.1	942.4	930.2	914.1	892.4	888.5	867.4	839.6	815.2	791.8
10°	994.6	998.0	989.1	973.0	951.8	930.2	927.4	905.7	876.3	847.4	817.9
12.5°	1035.7	1036.9	1027.4	1005.7	983.0	960.7	958.0	938.0	910.7	881.3	849.0
15°	1059.6	1060.2	1048.5	1024.6	1003.0	983.5	981.8	964.6	939.6	911.8	877.4
17.5°	1058.0	1059.1	1050.7	1029.6	1010.7	999.1	997.4	986.3	966.8	941.8	907.4
20°	1037.4	1038.5	1033.0	1019.1	1009.1	1005.7	1006.3	1003.0	991.3	970.7	935.7
22.5°	1021.3	1023.0	1018.0	1008.0	1006.9	1014.6	1016.3	1018.0	1012.4	994.1	960.2
25°	1029.1	1031.9	1024.1	1010.2	1012.4	1029.6	1033.0	1038.5	1034.1	1018.5	989.1
27.5°	1083.0	1084.6	1064.6	1036.3	1029.6	1048.0	1053.0	1061.9	1058.5	1044.1	1021.3
30°	1208.0	1206.9	1164.1	1094.6	1066.9	1074.1	1078.0	1090.8	1091.9	1082.4	1060.8
32.5°	1384.1	1378.6	1312.5	1201.9	1121.3	1103.5	1108.0	1125.2	1138.0	1128.0	1098.5
35°	1570.3	1565.3	1492.5	1363.0	1221.9	1160.2	1155.2	1168.5	1188.0	1160.2	1118.0
37.5°	1747.5	1739.8	1665.3	1505.3	1345.8	1259.7	1252.5	1239.1	1227.4	1174.1	1141.9
40°	1944.2	1935.4	1870.3	1689.2	1482.5	1335.8	1317.5	1264.7	1254.1	1220.2	1204.1
42.5°	2154.3	2154.3	2100.4	1922.0	1647.5	1444.7	1420.8	1341.4	1352.5	1330.2	1311.4
45°	2364.3	2370.4	2327.7	2156.5	1868.1	1650.3	1612.0	1499.2	1525.8	1515.8	1506.4
47.5°	2543.2	2554.9	2546.6	2396.0	2138.2	1900.3	1842.0	1724.8	1782.0	1805.9	1832.6
50°	2736.1	2748.8	2740.5	2681.0	2454.3	2203.2	2151.0	2029.8	2128.2	2199.8	2287.1
52.5°	3022.2	3040.6	2971.1	2948.3	2838.3	2547.1	2500.5	2362.7	2541.0	2659.9	2854.4
55°	3263.9	3263.4	3238.9	3291.2	3250.6	2967.8	2916.1	2791.1	3018.9	3145.0	3429.5
57.5°	3376.2	3389.5	3473.4	3621.2	3702.3	3481.8	3432.3	3304.5	3531.8	3597.3	3904.6
60°	3434.0	3450.6	3612.9	3905.2	4123.5	4043.0	4023.5	3860.7	3988.5	3980.7	4305.2
62.5°	3352.8	3386.2	3646.8	4035.2	4424.1	4607.0	4600.8	4354.7	4376.9	4300.8	4553.6
65°	2980.5	3016.7	3425.6	3970.2	4595.8	5035.9	5037.6	4802.0	4675.3	4456.4	4511.9
67.5°	2131.5	2183.2	2688.8	3552.3	4535.3	5267.6	5287.1	5004.8	4745.3	4318.6	4074.1
70°	1161.9	1199.7	1595.8	2582.1	3989.6	5212.1	5248.2	4907.0	4436.4	3735.7	3136.1
72.5°	527.9	540.1	742.4	1416.9	2725.5	4486.4	4637.5	4379.1	3643.4	2759.4	1994.3
75°	241.7	247.3	323.4	677.9	1424.2	3002.2	3108.3	3261.7	2535.5	1742.5	1039.6
77.5°	151.7	153.4	183.9	310.1	710.1	1498.6	1610.3	1942.0	1484.7	862.4	434.5
80°	89.5	91.1	114.5	167.8	333.4	685.7	791.8	767.9	697.9	372.3	197.8
82.5°	45.0	46.7	66.1	95.6	181.7	272.8	321.2	322.8	260.0	201.7	111.7
85°	16.1	16.7	21.7	37.8	77.2	90.0	100.6	122.8	127.2	117.2	53.9
87.5°	0.0	0.0	0.6	1.1	2.2	8.9	9.4	17.8	37.2	41.7	21.7
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°	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8
2.5°	764.0	755.7	752.9	750.1	745.7	744.0	740.7	737.4	737.4	734.0	732.4
5°	767.9	756.8	749.6	746.2	743.5	745.1	745.1	746.2	750.1	747.9	749.0
7.5°	781.8	769.0	759.0	756.3	756.3	762.9	767.4	772.9	780.1	781.3	781.3
10°	806.3	791.3	780.7	779.0	781.8	791.3	797.9	804.6	813.5	814.0	815.2
12.5°	832.9	817.9	807.4	809.6	812.4	824.6	831.8	837.4	846.3	846.3	845.7
15°	860.7	844.0	835.2	839.6	847.9	861.8	862.9	863.5	867.9	866.8	866.3
17.5°	889.6	871.8	865.2	871.8	880.7	887.4	881.8	874.0	872.4	870.2	869.0
20°	917.9	899.6	896.8	901.8	904.6	899.1	881.8	867.4	860.7	857.4	856.3
22.5°	942.4	926.8	925.2	925.2	911.3	891.8	866.3	846.8	837.9	833.5	832.4
25°	971.3	956.8	954.1	939.1	903.5	867.9	833.5	815.7	808.5	806.3	806.8
27.5°	1005.2	995.2	986.3	943.5	881.3	825.7	786.8	779.0	776.3	779.0	780.7
30°	1046.9	1036.9	1016.9	938.0	845.7	770.7	733.5	732.9	741.2	748.5	749.6
32.5°	1080.8	1076.3	1043.5	920.2	795.7	710.1	678.5	680.7	695.7	705.7	707.4
35°	1107.4	1114.6	1065.8	890.7	736.2	652.9	627.9	629.0	637.3	651.2	651.8
37.5°	1145.2	1169.7	1085.8	845.7	667.9	603.4	580.7	572.3	571.2	575.1	576.2
40°	1221.3	1258.0	1100.2	780.1	601.8	559.0	533.4	517.3	503.4	492.9	489.5
42.5°	1336.4	1378.6	1108.5	700.7	542.9	515.1	486.2	465.6	441.2	419.0	411.2
45°	1547.5	1561.4	1108.5	616.2	490.6	474.0	445.1	420.6	389.5	363.4	357.8
47.5°	1885.3	1840.9	1109.6	534.5	444.5	437.9	412.9	385.1	350.6	328.9	325.6
50°	2394.3	2238.2	1132.4	466.8	406.2	407.3	389.0	358.4	327.3	311.2	308.4
52.5°	2971.1	2727.7	1193.6	416.7	374.0	382.3	372.3	342.8	315.1	301.2	298.4
55°	3513.4	3177.8	1245.8	381.2	346.7	361.2	360.6	333.4	308.4	294.5	292.8
57.5°	3974.6	3486.2	1238.0	352.3	323.4	341.7	350.1	327.3	303.9	292.3	290.6
60°	4261.3	3649.6	1127.4	325.6	305.6	327.8	344.0	325.6	306.2	303.4	303.9
62.5°	4385.8	3619.6	915.2	305.6	293.9	321.2	350.6	337.3	326.7	333.4	337.3
65°	4192.4	3361.7	673.5	290.6	282.8	322.8	366.2	355.6	326.7	331.2	332.8
67.5°	3655.7	2861.6	486.8	275.6	268.9	327.8	388.4	352.8	307.8	307.8	304.5
70°	2634.4	2058.2	353.4	260.6	255.0	320.6	389.5	334.0	286.2	284.5	276.2
72.5°	1585.3	1214.1	275.6	243.9	233.9	284.5	365.1	311.7	265.0	251.2	241.2
75°	823.5	608.4	231.2	225.6	200.6	241.2	334.0	277.3	226.7	214.5	208.9
77.5°	352.8	284.5	198.4	201.1	166.7	202.8	269.5	240.0	201.1	185.6	180.6
80°	173.9	161.7	156.7	161.1	133.4	156.7	232.3	210.0	170.6	152.8	145.6
82.5°	99.5	94.5	112.8	114.5	95.0	131.1	196.1	177.8	141.1	121.7	110.0
85°	46.1	49.5	68.3	68.9	58.9	90.0	128.4	100.0	75.0	62.2	59.5
87.5°	18.3	21.7	30.0	29.4	17.2	16.7	11.1	6.1	5.0	4.4	3.9
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)