

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: P636346

Luminaire Tested: GWS-SA3F-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636346  
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-SA3F-750-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

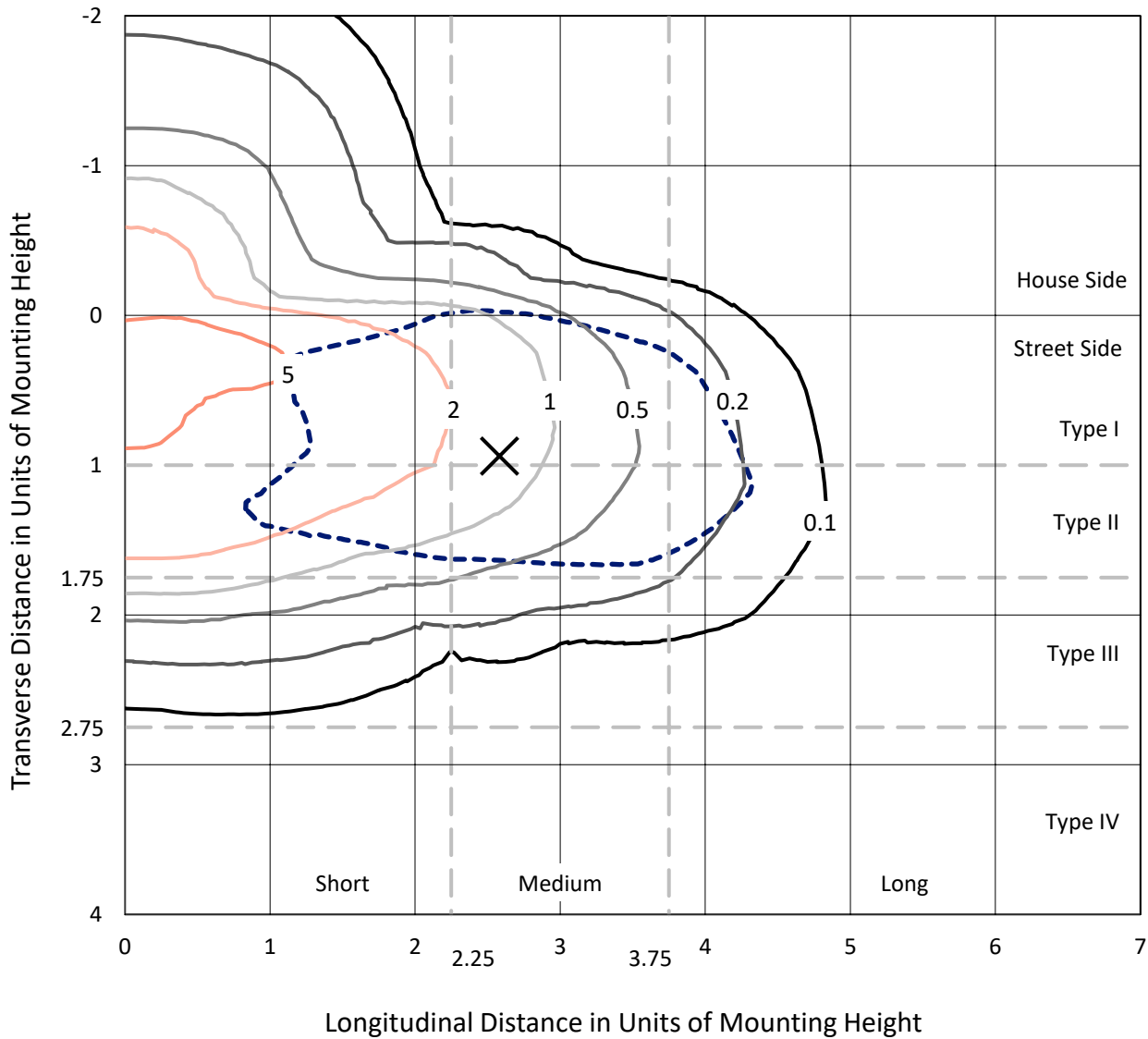
Lumens per Lamp: N/A  
Luminaire Lumens: 24814.6 lumens  
Efficiency: N/A  
Efficacy: 135.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

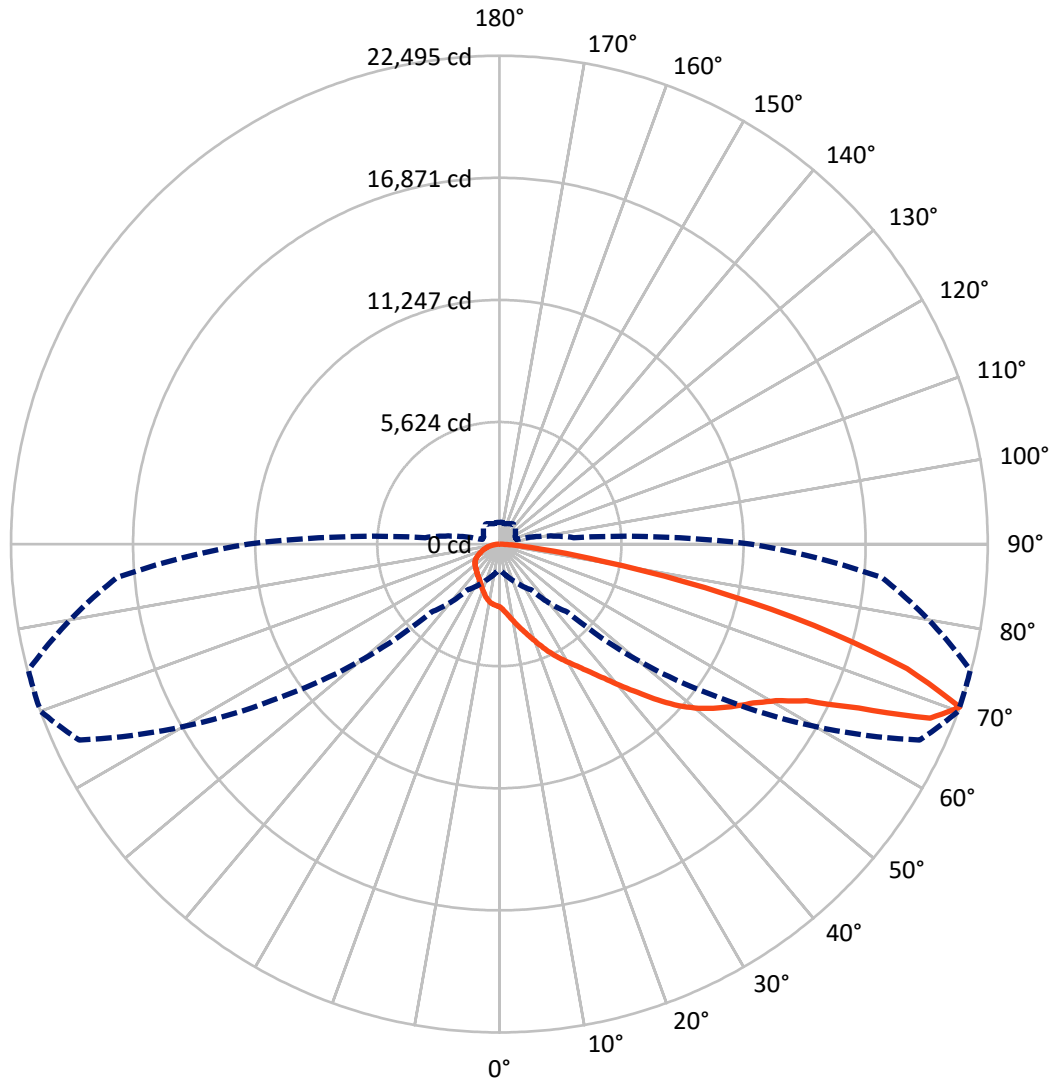
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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
<b>House Side</b>	Lumens	4446.8	0.0	4446.8
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	20367.8	0.0	20367.8
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	24814.6	0.0	24814.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.1	1.2
10°-20°	956.8	3.9
20°-30°	1695.0	6.8
30°-40°	2551.1	10.3
40°-50°	3859.4	15.6
50°-60°	5528.8	22.3
60°-70°	6111.5	24.6
70°-80°	3448.9	13.9
80°-90°	368.9	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°	24814.6	100.0
0°-180°	24814.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636346

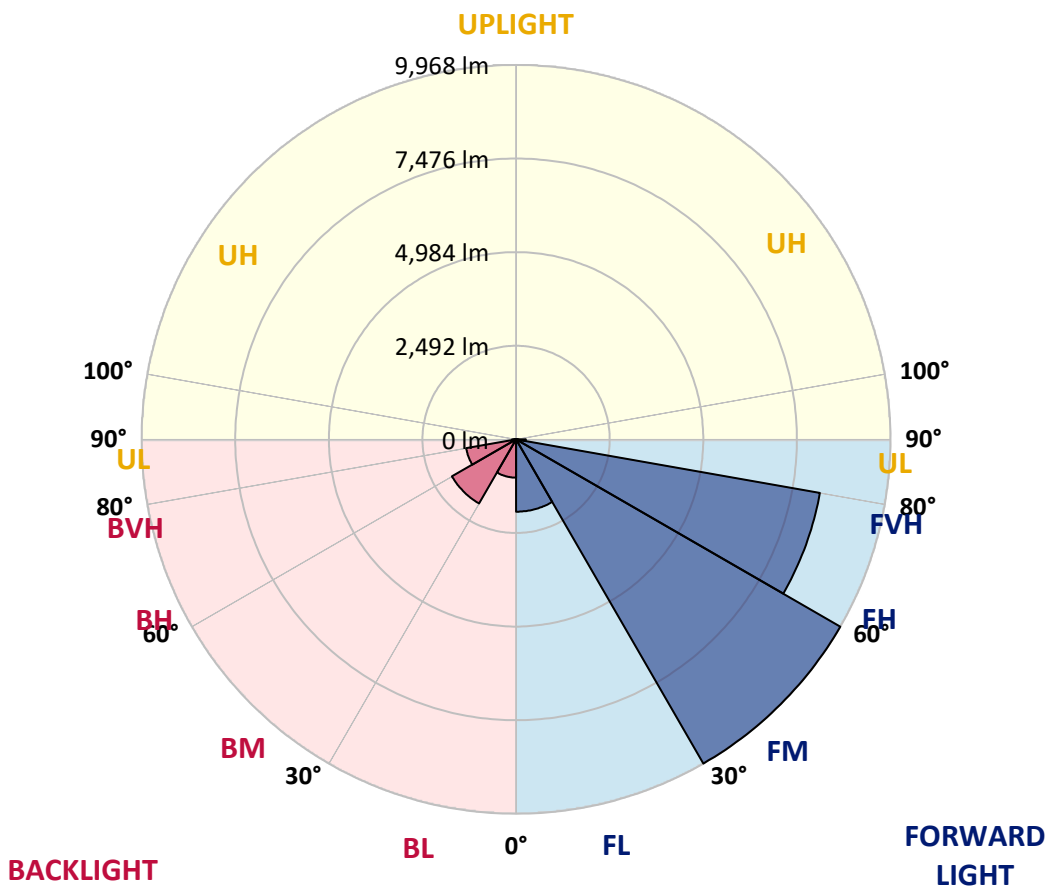
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1926.4	7.8			
FM (30°-60°)	9968.0	40.2			
FH (60°-80°)	8212.6	33.1			G4/12000
FVH (80°-90°)	260.8	1.1			G3/500
BL (0°-30°)	1019.6	4.1	B3/2500		
BM (30°-60°)	1971.3	7.9	B2/2500		
BH (60°-80°)	1347.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	108.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium





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 CATALOG NUMBER: GWS-SA3F-750-U-T2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9
2.5°	3205.9	3200.5	3204.1	3200.5	3180.8	3132.4	3092.9	3042.7	3008.6	2988.9	2942.3
5°	3582.4	3577.0	3564.5	3546.5	3510.7	3444.3	3345.7	3236.4	3170.0	3119.8	3021.2
7.5°	3853.1	3853.1	3851.4	3829.8	3804.7	3734.8	3618.3	3474.8	3378.0	3291.9	3130.6
10°	3991.2	4000.2	4012.7	4043.2	4037.8	4000.2	3890.8	3736.6	3614.7	3514.3	3274.0
12.5°	4066.5	4071.9	4093.4	4156.2	4220.7	4229.7	4165.1	4003.8	3871.1	3736.6	3433.6
15°	4163.3	4165.1	4193.8	4269.1	4364.2	4459.2	4443.0	4281.7	4145.4	3996.6	3611.1
17.5°	4238.6	4251.2	4303.2	4391.0	4509.4	4640.3	4719.2	4618.8	4450.2	4279.9	3804.7
20°	4265.5	4274.5	4342.6	4477.1	4638.5	4823.2	4998.9	4972.0	4801.6	4600.8	4023.5
22.5°	4362.4	4362.4	4412.6	4525.5	4715.6	4984.5	5269.6	5339.5	5188.9	4954.0	4258.4
25°	4575.7	4568.6	4591.9	4638.5	4781.9	5113.6	5536.8	5746.6	5578.0	5314.4	4493.2
27.5°	4868.0	4864.4	4862.6	4869.8	4918.2	5226.6	5762.7	6126.7	5958.1	5660.5	4703.0
30°	5185.3	5174.6	5197.9	5176.4	5165.6	5361.1	5954.5	6467.3	6336.4	6003.0	4877.0
32.5°	5617.5	5597.7	5592.4	5522.4	5479.4	5570.8	6108.7	6854.6	6750.6	6372.3	5072.4
35°	6187.6	6169.7	6078.3	5967.1	5839.8	5882.8	6300.6	7232.9	7240.1	6834.9	5328.8
37.5°	6763.2	6766.8	6695.0	6433.3	6302.4	6277.3	6592.8	7693.7	7847.9	7387.1	5660.5
40°	7241.9	7263.4	7263.4	6987.3	6791.9	6768.6	7003.4	8240.6	8547.2	8064.9	6080.1
42.5°	7605.9	7625.6	7688.4	7489.3	7283.2	7363.8	7501.9	8789.3	9339.7	8902.2	6610.8
45°	8005.7	8021.9	8055.9	7941.2	7821.1	8036.2	8066.7	9445.5	10247.0	9841.8	7227.6
47.5°	8536.5	8522.1	8525.7	8441.4	8348.2	8696.0	8688.9	9997.7	11123.7	10870.9	7896.4
50°	9196.3	9223.2	9198.1	9031.3	8922.0	9239.3	9280.5	10609.2	11894.7	11889.4	8570.5
52.5°	9831.0	9841.8	9974.4	9981.6	9757.5	9691.1	9798.7	11226.0	12545.6	12821.7	9217.8
55°	9863.3	9904.5	10302.6	10589.4	10951.6	10419.1	10322.3	11814.1	13174.9	13734.4	9890.2
57.5°	9176.6	9242.9	9918.9	10537.4	11545.1	11668.8	11218.8	12574.3	13804.3	14632.6	10668.3
60°	7709.9	7847.9	8766.0	9712.7	11277.9	12567.1	13053.0	13607.0	14630.9	15550.7	11613.2
62.5°	4923.6	4977.4	6264.7	7849.7	10074.8	12479.3	15050.4	15426.9	15889.5	16746.6	13069.2
65°	2465.4	2637.5	3392.3	4685.1	7265.2	10996.4	16059.9	18760.1	18193.5	18794.2	15428.7
67.5°	1672.9	1728.4	2110.4	2815.0	4260.2	7790.6	15434.1	21568.0	21401.2	21499.8	17944.3
70°	1233.6	1269.4	1570.7	1993.8	2576.5	4423.3	12287.4	21356.4	22494.9	22459.1	17680.7
72.5°	900.1	918.0	1145.7	1522.3	1909.5	2287.9	7503.7	17252.2	19636.9	20671.5	15462.8
75°	654.4	676.0	796.1	1138.6	1484.6	1427.2	3704.3	12461.3	14975.1	16965.3	12597.6
77.5°	487.7	514.6	570.2	713.6	1039.9	1022.0	1601.1	8091.8	9685.8	11080.7	7652.5
80°	351.4	356.8	389.1	457.2	659.8	598.9	762.0	4218.9	4837.5	5300.1	2999.7
82.5°	213.4	218.7	260.0	281.5	408.8	376.5	396.3	1366.3	1958.0	2078.1	1120.6
85°	62.8	66.3	118.3	129.1	170.3	161.4	159.6	555.8	663.4	848.1	441.1
87.5°	0.0	0.0	0.0	0.0	1.8	10.8	19.7	98.6	148.8	206.2	107.6
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°	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9	2893.9
2.5°	2924.4	2883.1	2861.6	2824.0	2797.1	2770.2	2743.3	2718.2	2707.4	2691.3	2694.9
5°	2976.4	2911.8	2847.3	2773.8	2711.0	2659.0	2612.4	2571.2	2553.2	2537.1	2544.3
7.5°	3055.3	2958.4	2834.7	2700.3	2601.6	2529.9	2481.5	2452.8	2443.9	2431.3	2431.3
10°	3155.7	3010.4	2793.5	2601.6	2483.3	2425.9	2404.4	2402.6	2411.6	2413.4	2409.8
12.5°	3266.8	3060.6	2732.5	2485.1	2384.7	2366.8	2382.9	2413.4	2443.9	2460.0	2456.4
15°	3381.6	3092.9	2628.5	2373.9	2313.0	2336.3	2388.3	2449.2	2508.4	2538.9	2537.1
17.5°	3489.2	3100.1	2494.1	2266.3	2250.2	2309.4	2399.0	2494.1	2574.7	2617.8	2619.6
20°	3609.3	3087.5	2356.0	2169.5	2187.5	2284.3	2402.6	2517.4	2612.4	2655.4	2666.2
22.5°	3718.7	3044.5	2221.5	2078.1	2133.7	2253.8	2373.9	2481.5	2565.8	2607.0	2621.4
25°	3817.3	2962.0	2074.5	2001.0	2092.4	2210.8	2302.2	2377.5	2436.7	2461.8	2481.5
27.5°	3871.1	2838.3	1963.3	1940.0	2053.0	2149.8	2200.0	2223.3	2243.0	2235.9	2250.2
30°	3881.8	2684.1	1866.5	1891.6	1993.8	2065.5	2076.3	2053.0	2018.9	1963.3	1975.9
32.5°	3871.1	2506.6	1785.8	1839.6	1927.5	1970.5	1956.2	1895.2	1812.7	1726.7	1732.0
35°	3874.7	2327.3	1719.5	1782.2	1850.4	1873.7	1837.8	1753.6	1665.7	1586.8	1583.2
37.5°	3914.1	2176.7	1663.9	1726.7	1775.1	1778.7	1739.2	1651.3	1606.5	1547.4	1540.2
40°	4023.5	2065.5	1613.7	1671.1	1701.6	1699.8	1654.9	1592.2	1622.7	1602.9	1597.6
42.5°	4202.8	1997.4	1572.5	1611.9	1633.4	1637.0	1601.1	1561.7	1628.0	1602.9	1594.0
45°	4491.5	1993.8	1543.8	1552.7	1586.8	1611.9	1586.8	1542.0	1567.1	1445.2	1421.8
47.5°	4833.9	2054.8	1522.3	1500.7	1559.9	1604.7	1565.3	1493.6	1441.6	1330.4	1314.3
50°	5246.3	2178.5	1502.5	1445.2	1520.5	1577.8	1538.4	1439.8	1360.9	1301.7	1292.8
52.5°	5735.8	2341.7	1477.4	1382.4	1461.3	1563.5	1538.4	1434.4	1330.4	1276.6	1267.6
55°	6248.6	2529.9	1448.7	1307.1	1395.0	1567.1	1550.9	1396.7	1307.1	1278.4	1271.2
57.5°	6885.1	2755.8	1396.7	1219.2	1335.8	1534.8	1500.7	1375.2	1291.0	1267.6	1260.5
60°	7711.7	3091.1	1298.1	1129.6	1267.6	1477.4	1455.9	1339.4	1247.9	1228.2	1222.8
62.5°	9020.6	3659.5	1178.0	1043.5	1187.0	1357.3	1389.6	1271.2	1194.1	1192.3	1190.5
65°	11154.2	4342.6	1036.4	966.4	1102.7	1258.7	1301.7	1201.3	1138.6	1158.3	1156.5
67.5°	12649.6	4401.8	919.8	885.7	1004.1	1151.1	1213.9	1129.6	1061.5	1099.1	1097.3
70°	11586.3	3433.6	819.4	801.5	898.3	1034.6	1118.8	1039.9	971.8	1007.7	1000.5
72.5°	9771.8	2632.1	724.4	713.6	790.7	912.6	996.9	950.3	878.6	878.6	862.4
75°	7853.3	2171.3	624.0	618.6	670.6	788.9	883.9	805.1	738.7	735.1	724.4
77.5°	4504.0	1423.6	523.6	520.0	536.1	659.8	686.7	670.6	620.4	597.1	589.9
80°	1794.8	740.5	412.4	389.1	405.2	484.1	541.5	514.6	471.6	442.9	426.7
82.5°	695.7	371.2	290.5	254.6	277.9	349.6	392.7	383.7	355.0	290.5	272.5
85°	283.3	181.1	173.9	147.0	161.4	188.3	225.9	195.4	161.4	114.8	109.4
87.5°	75.3	66.3	64.5	39.4	30.5	9.0	1.8	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)