

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: P635559

Luminaire Tested: GWS-SA3E-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3E-722-U-SL3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

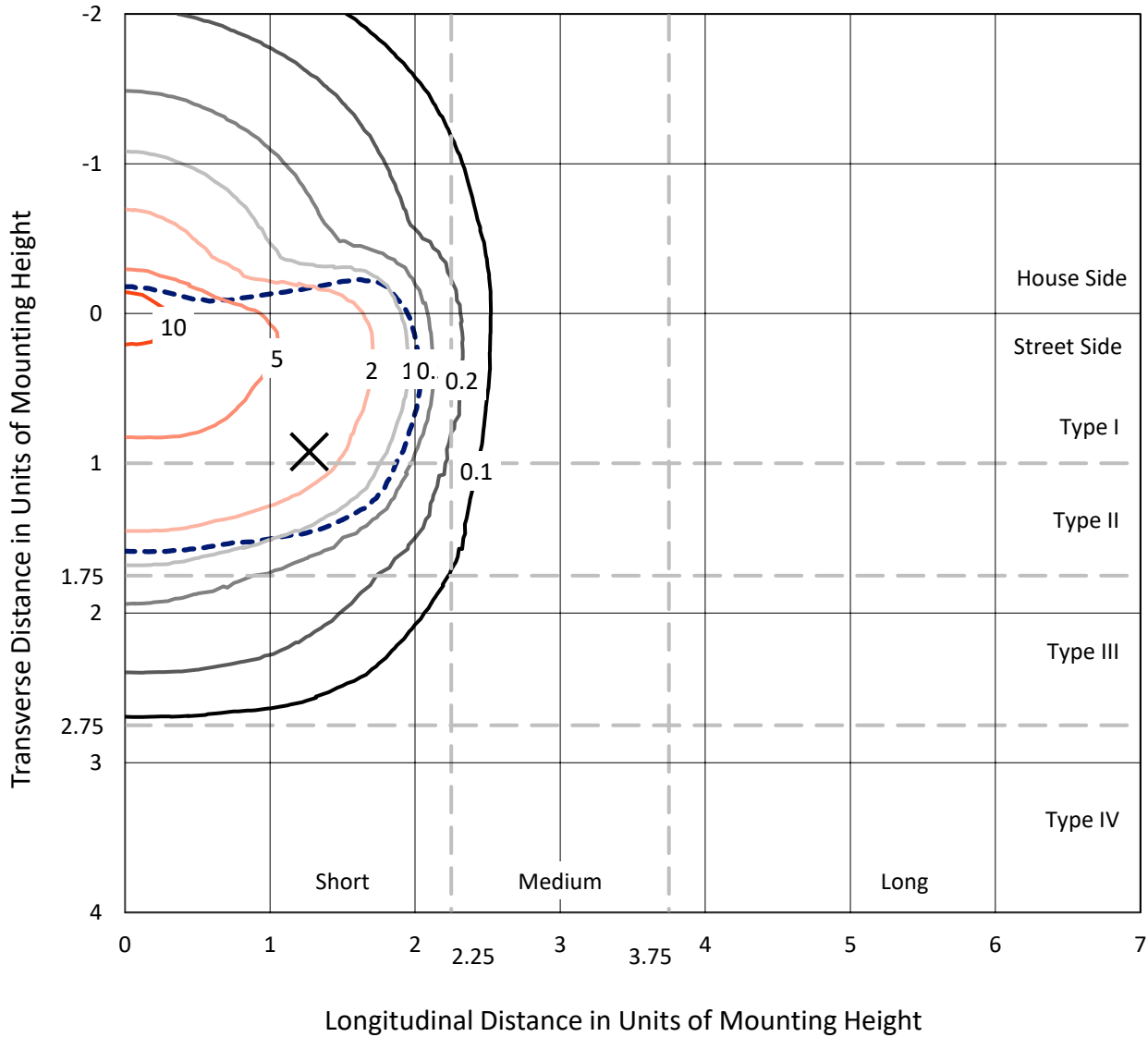
Lumens per Lamp: N/A  
Luminaire Lumens: 13565.7 lumens  
Efficiency: N/A  
Efficacy: 85.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

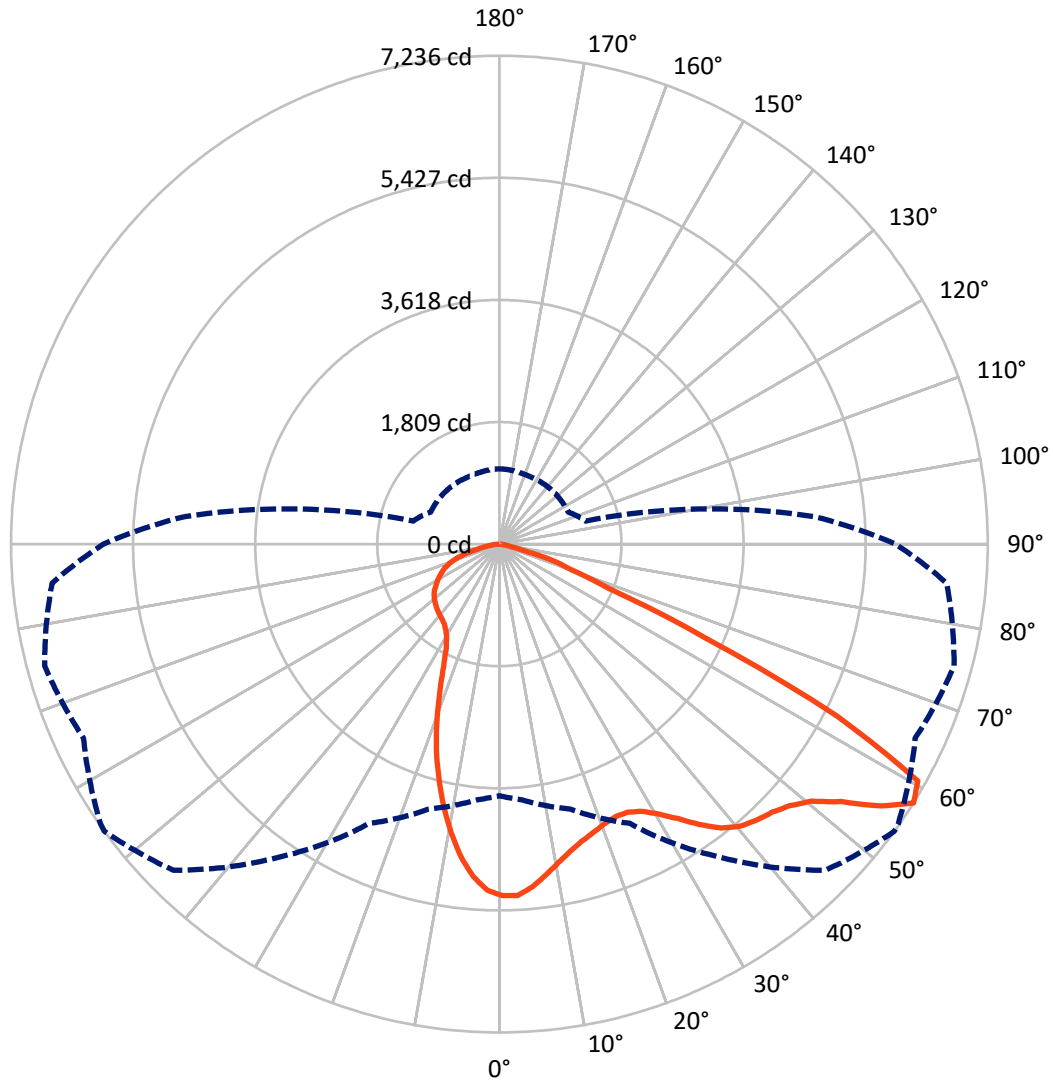
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3943.7	0.0	3943.7
	% Fixture	29.1	0.0	29.1
<b>Street Side</b>	Lumens	9622.0	0.0	9622.0
	% Fixture	70.9	0.0	70.9
<b>Total</b>	Lumens	13565.7	0.0	13565.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.8	3.4
10°-20°	1092.4	8.1
20°-30°	1511.7	11.1
30°-40°	2100.4	15.5
40°-50°	2774.0	20.4
50°-60°	3296.6	24.3
60°-70°	1826.3	13.5
70°-80°	454.8	3.4
80°-90°	51.7	0.4
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°	13565.7	100.0
0°-180°	13565.7	100.0

**Coefficient of Utilization**



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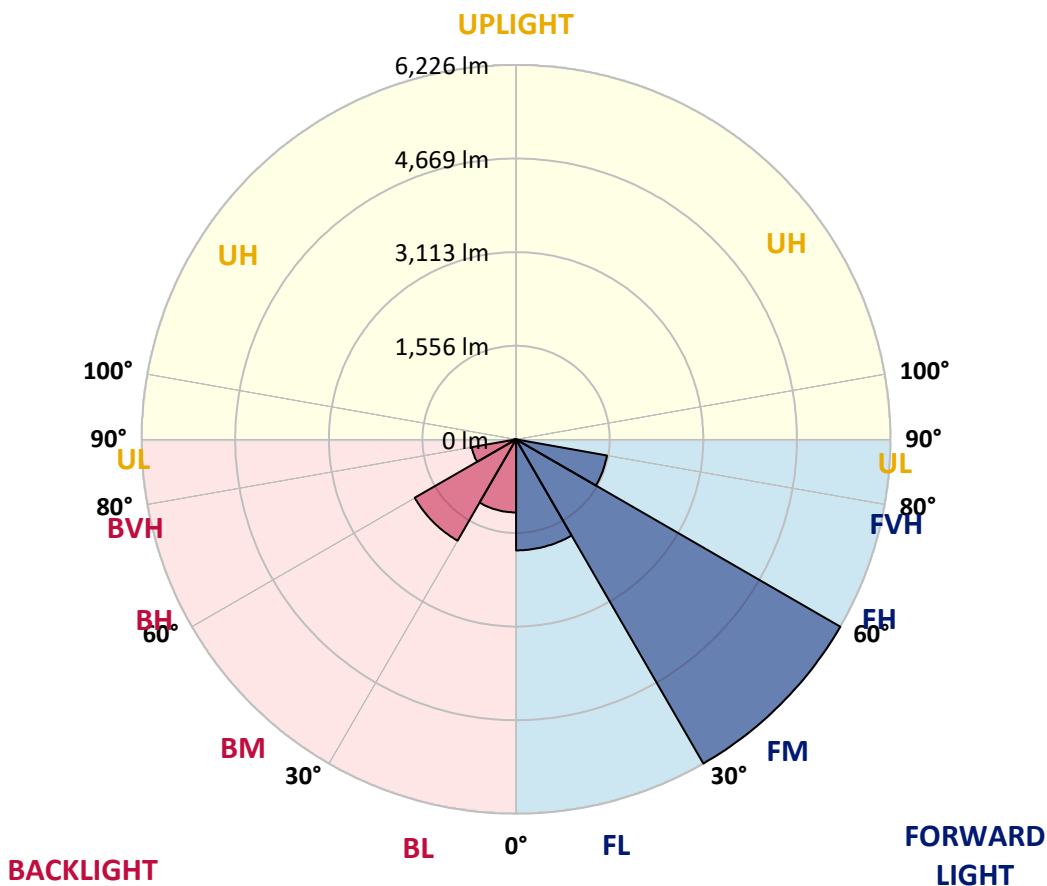
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1846.5	13.6			
FM (30°-60°)	6225.5	45.9			
FH (60°-80°)	1533.8	11.3			G1/1800
FVH (80°-90°)	16.2	0.1			G1/100
BL (0°-30°)	1215.3	9.0	B3/2500		
BM (30°-60°)	1945.5	14.3	B2/2500		
BH (60°-80°)	747.4	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2
2.5°	5110.6	5121.1	5128.1	5152.4	5173.3	5191.9	5211.7	5211.7	5210.5	5207.0	5200.1
5°	4908.6	4920.2	4936.4	4970.1	5015.4	5047.9	5101.3	5106.0	5129.2	5138.5	5133.9
7.5°	4674.0	4677.5	4698.4	4742.5	4814.5	4872.6	4949.2	4958.5	5014.3	5046.8	5041.0
10°	4417.4	4405.8	4442.9	4508.0	4602.0	4699.6	4798.3	4806.4	4895.8	4957.4	4952.7
12.5°	4182.8	4184.0	4221.1	4300.1	4417.4	4538.1	4670.5	4689.1	4799.4	4878.4	4870.3
15°	3986.6	3991.2	4036.5	4125.9	4259.4	4403.4	4568.3	4585.8	4725.1	4829.6	4806.4
17.5°	3829.8	3834.4	3873.9	3976.1	4118.9	4293.1	4494.0	4511.4	4684.5	4808.7	4761.1
20°	3721.8	3719.5	3757.8	3855.3	4002.8	4192.1	4429.0	4454.5	4671.7	4816.8	4730.9
22.5°	3677.7	3676.5	3704.4	3784.5	3922.7	4114.3	4389.5	4424.3	4685.6	4852.8	4712.3
25°	3699.7	3695.1	3719.5	3778.7	3889.0	4084.1	4401.1	4438.3	4744.8	4927.2	4715.8
27.5°	3768.2	3762.4	3783.3	3836.8	3920.4	4115.4	4482.4	4525.4	4870.3	5063.0	4762.3
30°	3872.7	3869.3	3890.2	3941.3	4014.4	4220.0	4638.0	4686.8	5064.2	5274.4	4863.3
32.5°	3994.7	3988.9	4026.0	4085.3	4170.0	4410.4	4847.0	4910.9	5294.1	5546.1	5032.8
35°	4131.7	4127.1	4178.2	4264.1	4386.0	4675.2	5100.2	5169.9	5528.7	5853.8	5258.1
37.5°	4265.2	4265.2	4364.0	4491.7	4645.0	4963.2	5338.2	5382.4	5691.3	6126.7	5499.7
40°	4383.7	4390.7	4539.3	4730.9	4926.0	5223.3	5495.0	5532.2	5763.3	6314.8	5709.8
42.5°	4514.9	4520.7	4693.7	4944.6	5176.8	5433.5	5590.2	5608.8	5777.2	6408.9	5858.5
45°	4619.4	4627.6	4842.4	5110.6	5395.1	5591.4	5665.7	5682.0	5796.9	6460.0	5966.5
47.5°	4674.0	4685.6	4931.8	5244.2	5542.6	5733.1	5790.0	5796.9	5878.2	6549.4	6096.5
50°	4664.7	4687.9	4965.5	5310.4	5651.8	5875.9	5989.7	6001.3	6044.3	6680.6	6248.7
52.5°	4747.2	4757.6	5037.5	5389.3	5807.4	6139.5	6336.9	6353.2	6333.4	6779.3	6339.2
55°	4610.1	4660.1	4948.1	5377.7	6044.3	6547.1	6851.3	6843.2	6595.9	6889.7	6490.2
57.5°	3728.8	3801.9	4065.5	4564.9	5654.1	6832.8	7235.7	7216.0	6799.1	6974.4	6653.9
60°	2581.4	2593.1	2831.1	3185.3	4364.0	6036.1	7123.1	7166.0	6836.2	6867.6	6350.8
62.5°	2064.7	2061.2	2083.3	2092.6	2775.4	4243.2	5622.7	5779.5	5679.6	5351.0	4501.0
65°	1762.8	1775.5	1840.6	1806.9	1811.5	2389.8	3359.5	3381.5	3311.9	3193.4	2380.6
67.5°	1379.6	1401.6	1516.6	1647.8	1606.0	1538.6	1743.0	1732.6	1365.6	1056.7	873.3
70°	864.0	877.9	1001.0	1293.6	1398.1	1263.4	1120.6	1116.0	731.6	601.5	659.6
72.5°	504.0	506.3	541.1	721.1	927.8	864.0	824.5	794.3	470.3	479.6	526.0
75°	277.5	277.5	276.4	311.2	365.8	324.0	313.5	305.4	314.7	356.5	391.3
77.5°	58.1	59.2	62.7	82.4	106.8	130.1	163.7	164.9	205.5	238.1	265.9
80°	26.7	27.9	34.8	44.1	56.9	75.5	99.9	101.0	124.3	149.8	168.4
82.5°	13.9	15.1	18.6	23.2	30.2	39.5	55.7	55.7	74.3	88.3	99.9
85°	4.6	4.6	7.0	9.3	12.8	16.3	22.1	22.1	32.5	43.0	49.9
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	4.6	4.6	5.8	7.0	11.6
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°	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2	5208.2
2.5°	5185.0	5149.0	5150.1	5157.1	5135.0	5101.3	5079.3	5051.4	5034.0	5030.5	5043.3
5°	5110.6	5068.8	5039.8	5009.6	4946.9	4872.6	4814.5	4766.9	4735.6	4723.9	4710.0
7.5°	5008.4	4953.9	4880.7	4795.9	4682.1	4549.8	4456.9	4369.8	4309.4	4292.0	4283.8
10°	4906.3	4827.3	4697.2	4539.3	4350.0	4171.2	4002.8	3873.9	3771.7	3713.7	3732.2
12.5°	4800.6	4703.0	4499.8	4257.1	3993.5	3724.1	3503.5	3289.8	3124.9	3042.5	3018.1
15°	4707.7	4575.3	4292.0	3963.3	3612.6	3273.5	2954.2	2633.7	2424.7	2310.9	2279.5
17.5°	4628.7	4456.9	4072.5	3663.7	3244.5	2761.4	2368.9	2071.7	1928.8	1866.1	1861.5
20°	4550.9	4340.7	3855.3	3340.9	2819.5	2278.4	1927.7	1788.3	1737.2	1715.2	1714.0
22.5°	4481.2	4218.8	3626.6	3018.1	2396.8	1914.9	1722.1	1661.7	1647.8	1647.8	1645.5
25°	4422.0	4096.9	3392.0	2675.5	2014.8	1704.7	1615.3	1589.7	1595.5	1606.0	1607.2
27.5°	4397.6	4001.6	3165.6	2323.6	1751.2	1582.8	1542.1	1538.6	1554.9	1571.2	1573.5
30°	4423.2	3936.6	2933.3	1986.9	1593.2	1508.5	1489.9	1496.8	1516.6	1532.8	1532.8
32.5°	4502.1	3904.1	2696.4	1740.7	1501.5	1456.2	1450.4	1457.4	1472.5	1481.7	1482.9
35°	4635.7	3916.9	2451.4	1574.6	1442.3	1417.9	1416.7	1421.4	1427.2	1433.0	1434.1
37.5°	4804.1	3973.8	2188.9	1478.3	1403.9	1390.0	1387.7	1386.5	1387.7	1387.7	1388.8
40°	4969.0	4059.7	1954.4	1421.4	1377.2	1365.6	1359.8	1351.7	1350.5	1348.2	1347.0
42.5°	5090.9	4125.9	1767.4	1380.7	1352.8	1338.9	1331.9	1319.2	1318.0	1316.9	1315.7
45°	5182.6	4181.6	1611.8	1341.2	1327.3	1314.5	1299.4	1287.8	1290.1	1292.5	1292.5
47.5°	5286.0	4230.4	1498.0	1304.1	1295.9	1283.2	1264.6	1256.5	1264.6	1272.7	1272.7
50°	5411.4	4298.9	1405.1	1266.9	1263.4	1248.3	1232.1	1228.6	1237.9	1249.5	1249.5
52.5°	5503.1	4358.1	1338.9	1229.8	1229.8	1210.0	1196.1	1194.9	1205.4	1217.0	1218.1
55°	5675.0	4496.3	1315.7	1186.8	1182.1	1167.1	1156.6	1148.5	1161.2	1171.7	1171.7
57.5°	5868.9	4679.8	1321.5	1125.2	1119.4	1114.8	1106.7	1097.4	1100.9	1112.5	1113.6
60°	5457.8	4324.5	1257.6	1063.7	1060.2	1057.9	1047.4	1031.2	1035.8	1045.1	1046.3
62.5°	3812.4	2874.1	1017.2	987.1	998.7	997.5	983.6	965.0	966.2	978.9	978.9
65°	1978.8	1554.9	893.0	917.4	934.8	927.8	904.6	888.4	886.0	902.3	898.8
67.5°	853.5	848.9	812.9	844.2	862.8	847.7	823.3	796.6	798.9	804.7	800.1
70°	687.5	708.4	723.5	757.1	772.2	744.4	717.6	702.6	689.8	688.6	680.5
72.5°	549.3	578.3	612.0	646.8	651.5	623.6	589.9	576.0	556.2	555.1	546.9
75°	413.4	437.8	464.5	492.4	492.4	465.7	443.6	436.6	413.4	406.4	399.5
77.5°	282.2	297.3	318.2	325.1	332.1	321.7	299.6	288.0	261.3	254.3	245.0
80°	177.7	188.1	200.9	205.5	212.5	199.7	182.3	169.5	151.0	145.2	140.5
82.5°	106.8	113.8	121.9	124.3	130.1	120.8	104.5	95.2	84.8	80.1	76.6
85°	54.6	58.1	62.7	63.9	62.7	53.4	47.6	43.0	36.0	34.8	32.5
87.5°	13.9	16.3	17.4	16.3	15.1	11.6	8.1	5.8	2.3	2.3	1.2
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)