

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: P640532

Luminaire Tested: GWS-SA5E-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640532  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-722-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

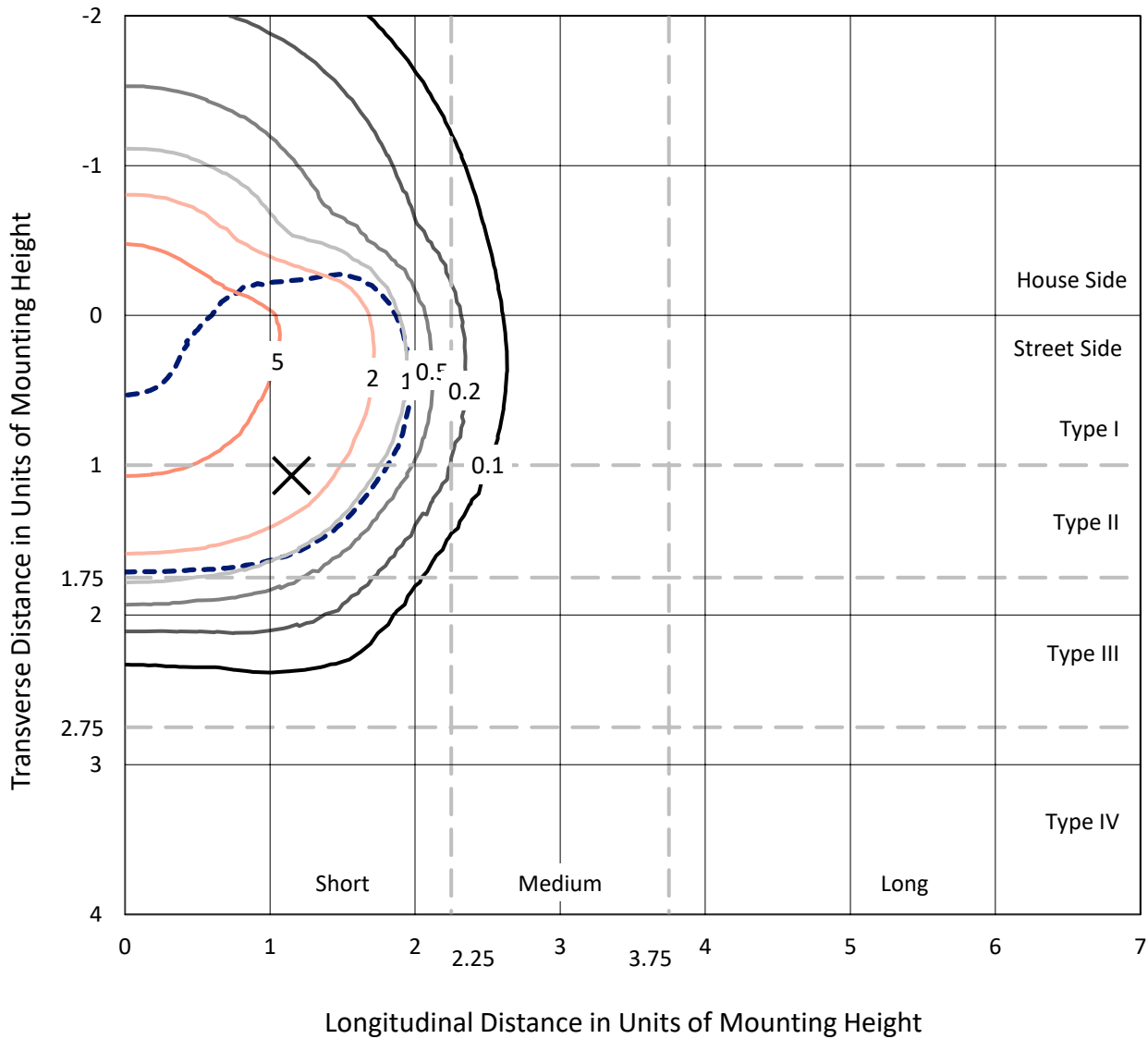
Lumens per Lamp: N/A  
Luminaire Lumens: 23601.4 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P640532  
 CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

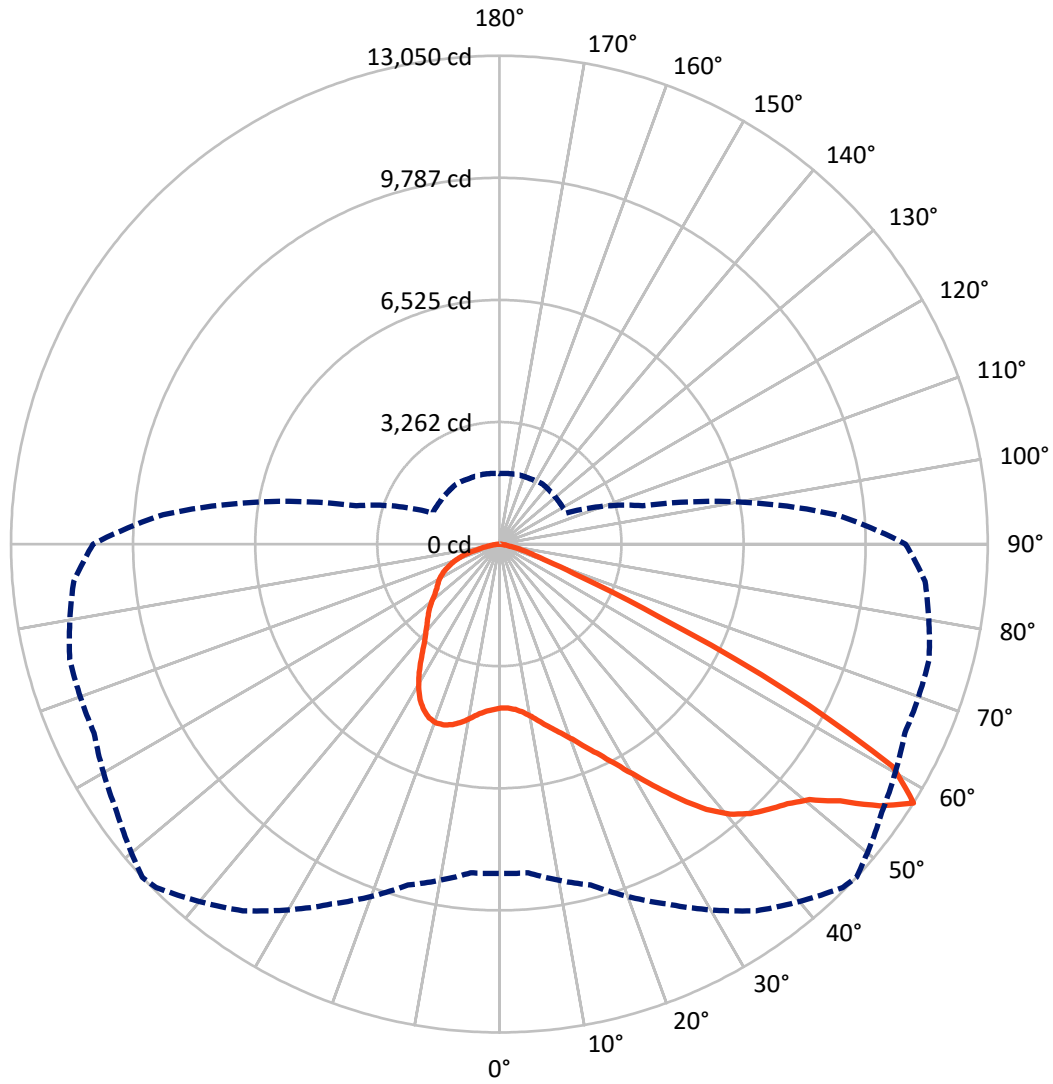
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P640532  
CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P640532

CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7469.8	0.0	7469.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	16131.6	0.0	16131.6
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	23601.4	0.0	23601.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.7	1.8
10°-20°	1419.9	6.0
20°-30°	2556.7	10.8
30°-40°	3861.6	16.4
40°-50°	5200.0	22.0
50°-60°	6248.6	26.5
60°-70°	3043.2	12.9
70°-80°	749.7	3.2
80°-90°	90.1	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°	23601.4	100.0
0°-180°	23601.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640532

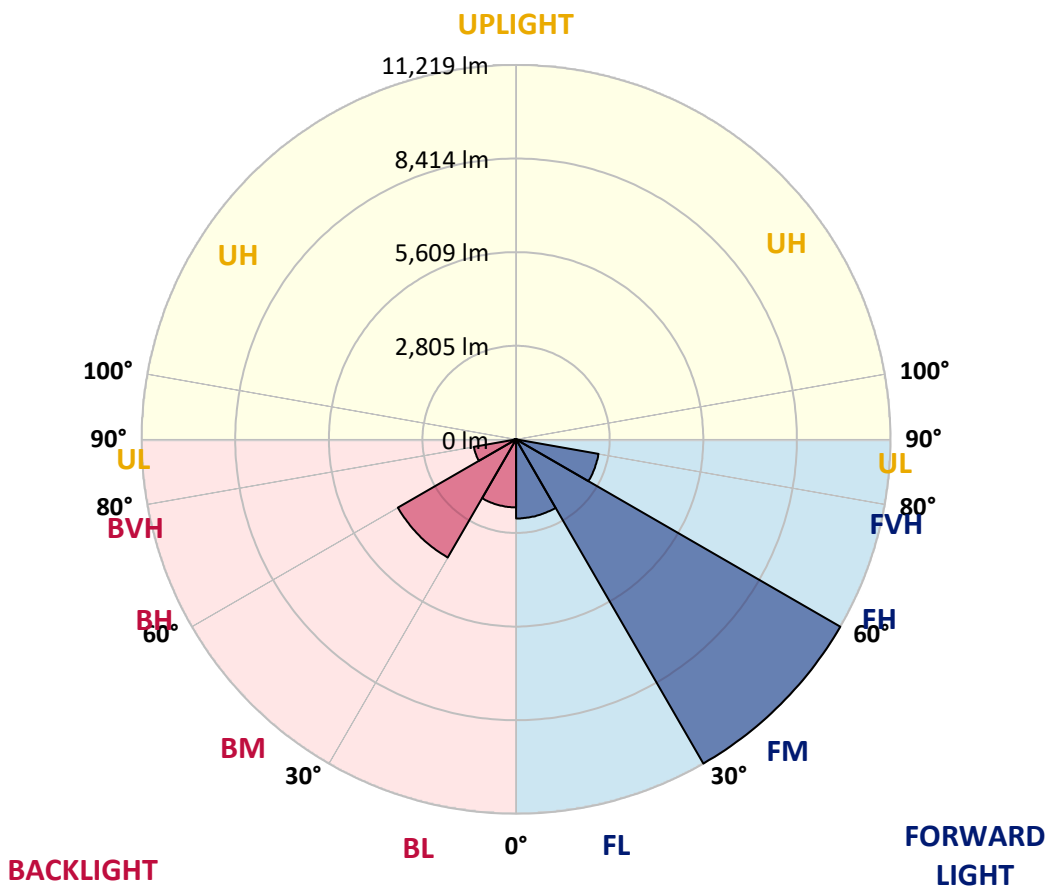
CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2370.6	10.0			
FM (30°-60°)	11219.0	47.5			
FH (60°-80°)	2508.1	10.6			G2/5000
FVH (80°-90°)	33.9	0.1			G1/100
BL (0°-30°)	2037.6	8.6	B3/2500		
BM (30°-60°)	4091.2	17.3	B3/5000		
BH (60°-80°)	1284.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	56.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





REPORT NUMBER: P640532

CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9
2.5°	4369.0	4367.0	4367.0	4378.9	4378.9	4382.9	4388.8	4394.8	4396.7	4386.8	4365.0
5°	4416.6	4416.6	4416.6	4426.5	4426.5	4430.4	4438.4	4440.3	4438.4	4422.5	4400.7
7.5°	4491.9	4491.9	4493.9	4505.8	4515.7	4521.6	4535.5	4533.5	4527.6	4501.8	4474.0
10°	4614.8	4620.7	4626.7	4640.6	4660.4	4674.3	4684.2	4684.2	4676.2	4636.6	4600.9
12.5°	4789.2	4797.2	4803.1	4815.0	4830.9	4854.6	4876.5	4876.5	4866.5	4817.0	4763.5
15°	4993.4	5001.3	4999.4	5003.3	5033.1	5066.8	5084.6	5096.5	5100.5	5031.1	4947.8
17.5°	5227.3	5235.2	5227.3	5215.4	5219.4	5272.9	5304.6	5348.2	5374.0	5280.8	5148.0
20°	5439.4	5431.5	5431.5	5439.4	5451.3	5516.7	5564.3	5635.7	5667.4	5554.4	5348.2
22.5°	5663.4	5681.3	5673.3	5673.3	5720.9	5829.9	5887.4	5980.6	6014.3	5867.6	5590.1
25°	5952.8	5968.7	5964.7	5968.7	6024.2	6178.8	6236.3	6408.8	6442.5	6232.3	5857.7
27.5°	6270.0	6295.8	6307.7	6303.7	6392.9	6595.1	6666.5	6906.3	6967.8	6640.7	6143.1
30°	6682.3	6710.1	6720.0	6716.0	6821.1	7096.6	7177.9	7451.5	7538.7	7124.4	6505.9
32.5°	7160.1	7187.8	7217.5	7229.4	7364.2	7645.7	7762.7	8046.1	8171.0	7683.4	6944.0
35°	7633.8	7657.6	7715.1	7808.3	7992.6	8280.1	8383.1	8662.6	8783.6	8264.2	7473.3
37.5°	8157.2	8173.0	8222.6	8351.4	8617.0	8890.6	8993.7	9261.3	9275.2	8825.2	8071.9
40°	8730.0	8730.0	8720.1	8847.0	9124.5	9400.1	9489.3	9643.9	9562.6	9257.3	8654.7
42.5°	9215.7	9207.8	9215.7	9334.6	9540.8	9764.8	9842.1	9812.4	9709.3	9588.4	9182.0
45°	9653.8	9659.7	9731.1	9822.3	9929.3	10062.1	10107.7	9939.2	9846.1	9854.0	9604.2
47.5°	9951.1	9957.1	10123.6	10276.2	10341.6	10383.3	10363.5	10129.5	10082.0	10171.2	9929.3
50°	9990.8	10022.5	10309.9	10623.1	10785.7	10791.6	10736.1	10450.7	10436.8	10537.9	10103.8
52.5°	9998.7	10030.4	10389.2	10954.2	11376.4	11465.6	11402.2	11104.8	10960.1	10859.0	10317.9
55°	9969.0	10004.7	10401.1	11176.2	11985.0	12341.8	12347.7	11927.5	11465.6	11398.2	10928.4
57.5°	8801.4	8815.3	9429.8	10611.2	11961.2	12972.2	13049.5	12478.6	11951.3	11887.8	11418.0
60°	6131.2	6186.8	6854.8	8414.9	10048.3	11830.4	12080.1	11913.6	11560.8	11098.9	9796.5
62.5°	3070.6	3118.2	3788.2	5263.0	6930.1	8337.5	8605.2	8781.6	8864.8	8369.3	6670.4
65°	1322.2	1357.9	1774.2	2749.4	3923.0	4602.9	4696.1	4908.2	5427.5	4842.8	3593.9
67.5°	884.1	907.9	1120.0	1677.0	2311.4	2355.0	2341.1	2386.7	2499.7	2063.6	1623.5
70°	677.9	697.8	840.5	1229.0	1661.2	1421.3	1346.0	1221.1	1326.2	1351.9	1316.2
72.5°	491.6	507.5	614.5	838.5	1040.7	907.9	896.0	959.4	1102.2	1141.8	1120.0
75°	317.2	325.1	390.5	459.9	537.2	582.8	606.6	721.6	866.3	896.0	870.2
77.5°	212.1	218.1	255.7	295.4	305.3	307.3	315.2	366.7	465.8	521.3	515.4
80°	111.0	111.0	124.9	124.9	142.7	170.5	178.4	212.1	257.7	285.5	287.4
82.5°	43.6	45.6	53.5	59.5	71.4	87.2	93.2	111.0	134.8	154.6	172.5
85°	17.8	19.8	21.8	25.8	31.7	39.6	41.6	47.6	63.4	79.3	89.2
87.5°	0.0	0.0	2.0	2.0	4.0	5.9	5.9	7.9	9.9	17.8	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P640532

CATALOG NUMBER: GWS-SA5E-722-U-T3-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9	4376.9
2.5°	4390.8	4365.0	4390.8	4398.7	4420.5	4428.5	4414.6	4412.6	4412.6	4392.8	4386.8
5°	4420.5	4396.7	4422.5	4434.4	4466.1	4485.9	4489.9	4505.8	4515.7	4507.7	4505.8
7.5°	4493.9	4464.1	4491.9	4509.7	4551.4	4583.1	4596.9	4632.6	4658.4	4654.4	4652.5
10°	4622.7	4583.1	4614.8	4644.5	4690.1	4727.8	4729.8	4749.6	4775.4	4767.4	4763.5
12.5°	4771.4	4733.7	4769.4	4799.1	4852.7	4868.5	4842.8	4834.8	4838.8	4828.9	4820.9
15°	4953.8	4900.2	4932.0	4965.7	4995.4	4977.5	4922.0	4900.2	4898.3	4884.4	4876.5
17.5°	5136.1	5068.7	5092.5	5110.4	5096.5	5041.0	4971.6	4933.9	4916.1	4888.3	4880.4
20°	5316.5	5231.3	5227.3	5213.4	5150.0	5048.9	4955.7	4880.4	4834.8	4797.2	4783.3
22.5°	5522.7	5403.7	5344.3	5280.8	5142.1	4977.5	4836.8	4729.8	4656.4	4608.8	4593.0
25°	5744.7	5576.2	5453.3	5326.4	5062.8	4824.9	4628.7	4482.0	4394.8	4343.2	4325.4
27.5°	5964.7	5732.8	5548.5	5332.4	4904.2	4604.9	4341.2	4143.0	4055.8	4014.2	4000.3
30°	6262.1	5940.9	5661.4	5255.1	4696.1	4299.6	3970.5	3770.3	3712.8	3683.1	3671.2
32.5°	6605.0	6204.6	5812.1	5092.5	4430.4	3942.8	3595.9	3457.1	3417.5	3360.0	3358.0
35°	7057.0	6581.2	5954.8	4852.7	4095.4	3560.2	3308.5	3209.3	3138.0	3046.8	3038.9
37.5°	7584.3	7051.0	6032.1	4547.4	3704.9	3245.0	3094.4	2983.4	2868.4	2747.5	2731.6
40°	8129.4	7600.1	6038.1	4186.6	3322.3	3036.9	2910.0	2765.3	2622.6	2487.8	2469.9
42.5°	8702.3	8111.6	5933.0	3770.3	3009.1	2856.5	2727.6	2545.3	2384.7	2293.5	2283.6
45°	9213.7	8523.9	5695.1	3332.2	2777.2	2705.8	2541.3	2345.1	2259.8	2194.4	2180.5
47.5°	9616.1	8797.4	5374.0	2939.7	2588.9	2551.2	2337.1	2236.0	2170.6	2111.1	2097.3
50°	9814.4	8858.9	4955.7	2620.6	2414.4	2368.8	2222.2	2144.8	2101.2	2053.7	2041.8
52.5°	10060.2	8928.3	4595.0	2353.0	2244.0	2182.5	2127.0	2065.6	2033.8	2004.1	1994.2
55°	10625.1	9189.9	4404.7	2138.9	2081.4	2053.7	2045.7	1994.2	1984.3	1964.5	1946.6
57.5°	10855.1	9021.4	3954.7	1964.5	1952.6	1956.5	1976.4	1928.8	1918.9	1895.1	1883.2
60°	8730.0	6819.1	2678.1	1813.8	1845.5	1871.3	1891.1	1843.5	1829.7	1825.7	1809.8
62.5°	5594.0	4194.5	1869.3	1673.1	1720.6	1752.4	1764.2	1718.7	1708.7	1740.5	1742.4
65°	2912.0	2285.6	1516.5	1522.4	1562.1	1609.6	1633.4	1617.6	1613.6	1647.3	1649.3
67.5°	1486.7	1397.5	1322.2	1344.0	1375.7	1437.2	1492.7	1562.1	1585.8	1589.8	1591.8
70°	1266.7	1227.0	1189.4	1203.3	1237.0	1270.7	1324.2	1357.9	1318.2	1308.3	1304.4
72.5°	1078.4	1048.6	1030.8	1046.7	1064.5	1058.5	1042.7	1058.5	1064.5	1066.5	1068.5
75°	838.5	816.7	802.8	804.8	804.8	783.0	753.3	735.4	715.6	699.8	699.8
77.5°	513.4	517.4	531.3	529.3	527.3	519.4	489.6	473.8	426.2	412.3	412.3
80°	293.4	299.3	313.2	317.2	317.2	307.3	277.5	259.7	237.9	228.0	226.0
82.5°	178.4	186.3	194.3	198.2	200.2	188.3	162.5	148.7	136.8	126.9	126.9
85°	93.2	97.1	105.1	107.0	101.1	89.2	75.3	69.4	57.5	55.5	55.5
87.5°	25.8	27.8	31.7	25.8	23.8	17.8	9.9	7.9	4.0	2.0	2.0
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)