

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: P640507

Luminaire Tested: GWS-SA5E-722-U-SL2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-722-U-SL2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (80) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

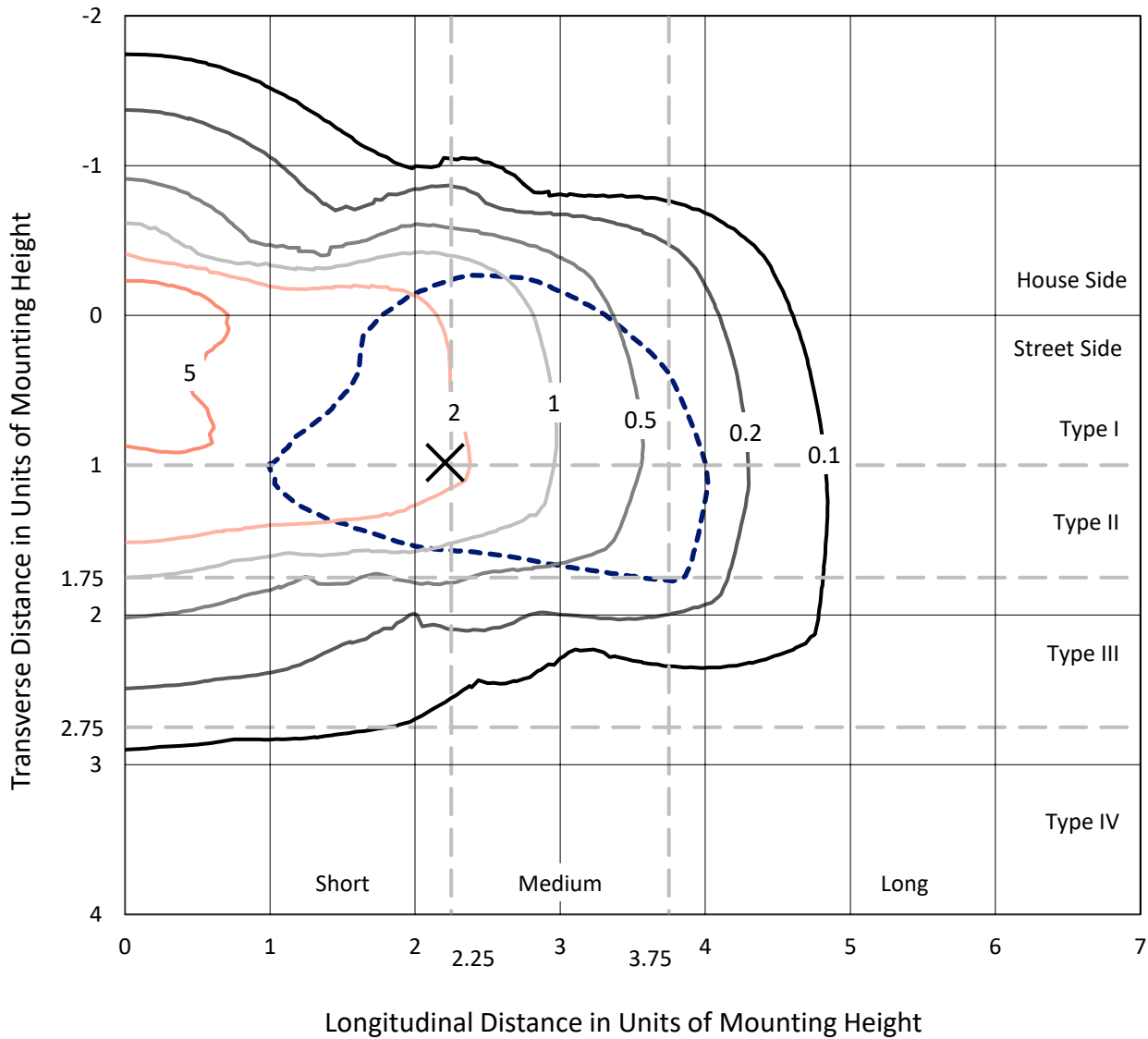
Lumens per Lamp: N/A  
Luminaire Lumens: 27173.5 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640507  
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

### Iso-Footcandle Lines of Horizontal Illumination

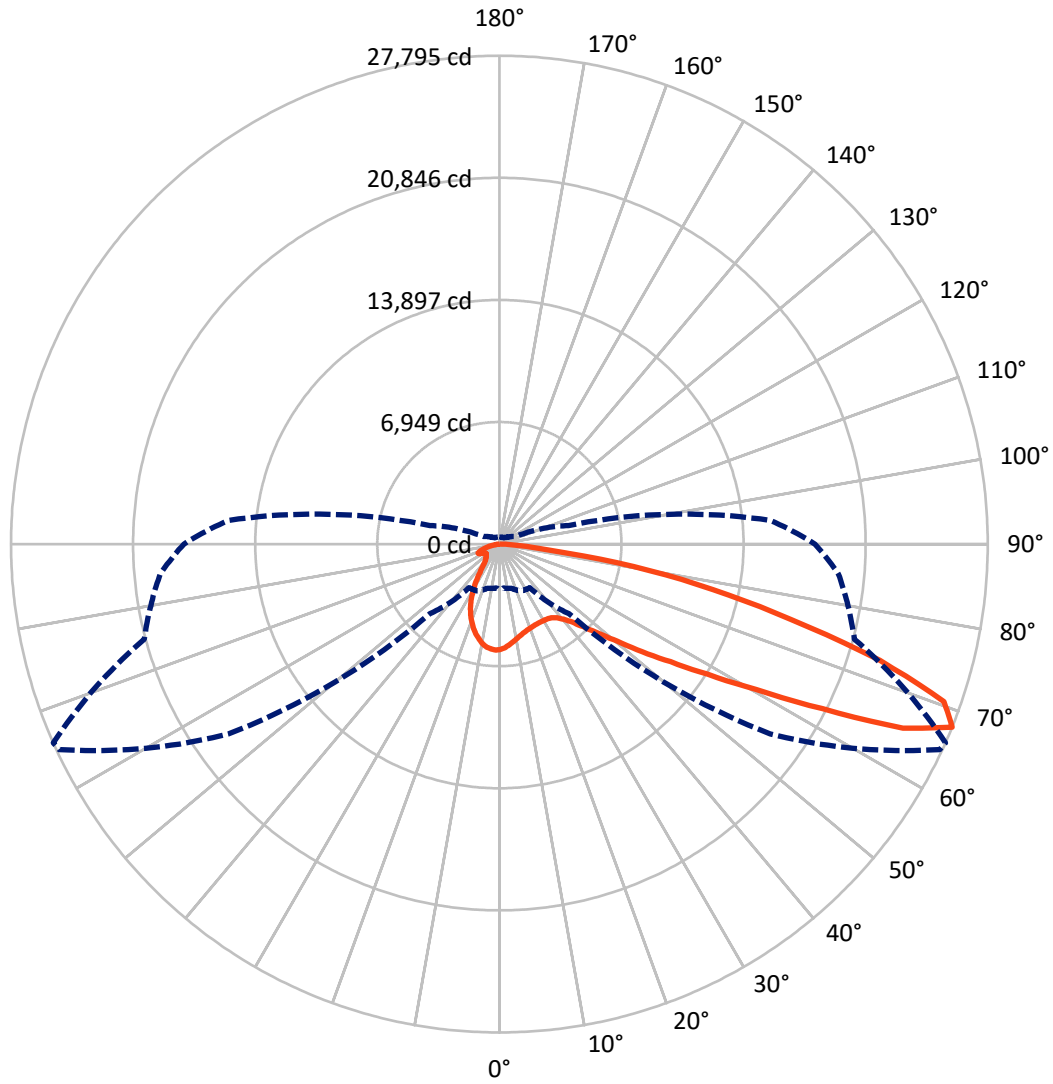
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P640507  
CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640507

CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5514.1	0.0	5514.1
	% Fixture	20.3	0.0	20.3
<b>Street Side</b>	Lumens	21659.4	0.0	21659.4
	% Fixture	79.7	0.0	79.7
<b>Total</b>	Lumens	27173.5	0.0	27173.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	527.0	1.9
10°-20°	1295.1	4.8
20°-30°	1780.2	6.6
30°-40°	2433.8	9.0
40°-50°	3687.8	13.6
50°-60°	5732.8	21.1
60°-70°	6979.6	25.7
70°-80°	4251.6	15.6
80°-90°	485.6	1.8
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°	27173.5	100.0
0°-180°	27173.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640507

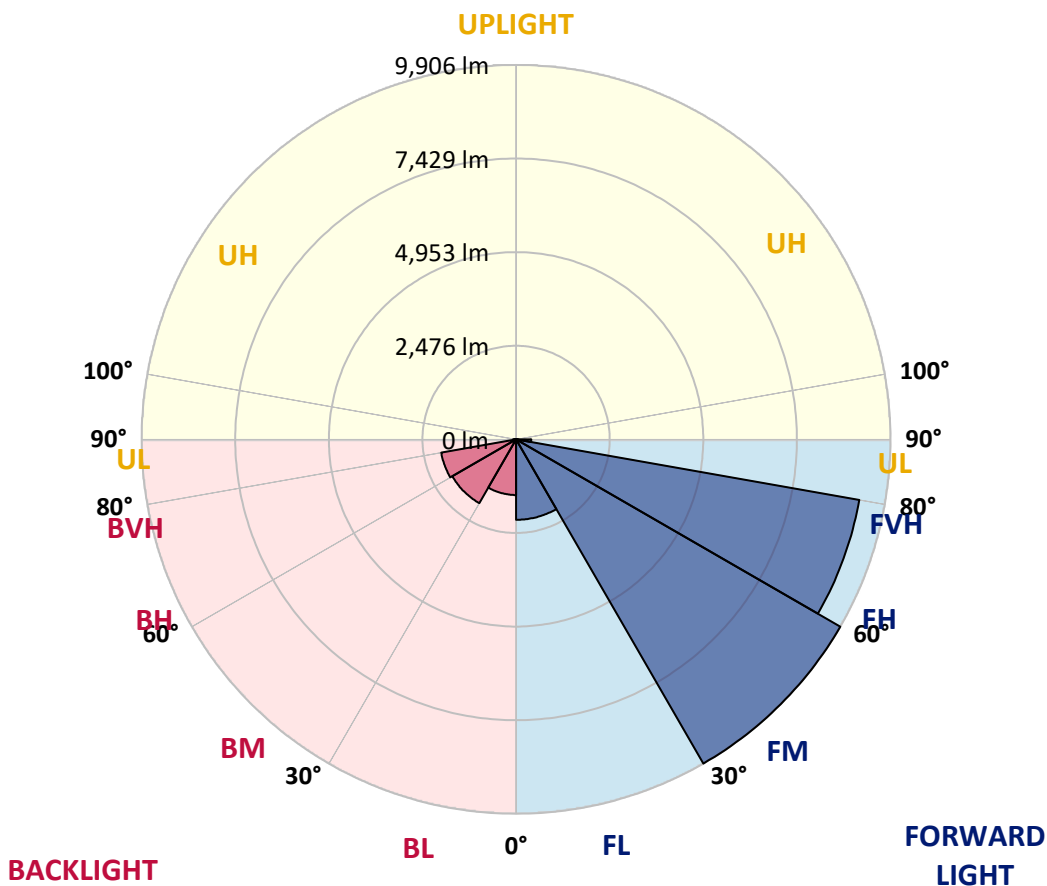
CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2129.2	7.8			
FM (30°-60°)	9905.8	36.5			
FH (60°-80°)	9220.7	33.9			G4/12000
FVH (80°-90°)	403.8	1.5			G3/500
BL (0°-30°)	1473.1	5.4	B3/2500		
BM (30°-60°)	1948.6	7.2	B2/2500		
BH (60°-80°)	2010.5	7.4	B3/2500		G3/2500
BVH (80°-90°)	81.9	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-G4**

Type II Short





REPORT NUMBER: P640507

CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6
2.5°	5624.0	5643.8	5631.9	5707.2	5711.2	5806.3	5859.9	5905.5	5909.4	5968.9	6008.5
5°	5239.4	5251.3	5251.3	5322.6	5370.2	5497.1	5620.0	5750.8	5760.7	5903.5	6012.5
7.5°	4928.1	4940.0	4932.1	5027.3	5088.7	5229.5	5386.1	5586.3	5606.1	5836.1	6026.4
10°	4684.3	4680.4	4700.2	4787.4	4866.7	5035.2	5209.6	5437.6	5467.4	5758.8	6042.2
12.5°	4517.8	4521.8	4533.7	4624.8	4710.1	4876.6	5057.0	5304.8	5336.5	5669.6	6034.3
15°	4438.5	4430.6	4440.5	4523.7	4605.0	4751.7	4938.1	5193.8	5225.5	5590.3	6036.3
17.5°	4420.7	4414.7	4412.7	4472.2	4533.7	4670.4	4848.9	5108.5	5142.2	5538.7	6048.2
20°	4476.2	4468.2	4446.4	4472.2	4498.0	4613.0	4785.4	5047.1	5084.8	5505.0	6072.0
22.5°	4628.8	4614.9	4581.2	4549.5	4515.8	4585.2	4745.8	5001.5	5039.2	5483.2	6095.8
25°	4860.7	4848.9	4813.2	4741.8	4618.9	4607.0	4737.8	4981.7	5019.3	5467.4	6105.7
27.5°	5179.9	5162.1	5126.4	5023.3	4823.1	4688.3	4767.6	4979.7	5015.4	5449.5	6095.8
30°	5558.5	5546.6	5526.8	5401.9	5134.3	4860.7	4835.0	4995.6	5023.3	5439.6	6075.9
32.5°	5943.1	5931.2	5947.1	5887.6	5558.5	5146.2	4981.7	5039.2	5059.0	5437.6	6058.1
35°	6282.1	6296.0	6411.0	6420.9	6097.7	5532.8	5213.6	5140.3	5144.2	5477.3	6066.0
37.5°	6636.9	6690.5	6841.1	6970.0	6700.4	6044.2	5558.5	5330.6	5326.6	5578.4	6115.6
40°	7106.8	7130.6	7322.8	7564.7	7396.2	6746.0	6048.2	5641.8	5614.0	5784.5	6248.4
42.5°	7564.7	7622.2	7929.4	8207.0	8151.5	7536.9	6664.7	6107.7	6058.1	6149.3	6522.0
45°	8147.5	8203.0	8547.9	8904.8	9005.9	8431.0	7453.7	6769.8	6720.2	6698.4	7023.5
47.5°	8730.3	8787.8	9097.1	9612.5	9967.3	9549.0	8480.5	7644.0	7562.7	7477.5	7780.8
50°	9122.8	9190.2	9485.6	10104.1	10936.7	10944.6	9697.7	8789.8	8686.7	8551.9	8847.3
52.5°	9108.9	9152.6	9434.1	10147.7	11634.5	12548.3	11327.2	10248.8	10165.5	9872.2	10129.9
55°	8393.3	8458.7	8742.2	9634.3	11709.8	14068.8	13721.9	11969.5	11820.8	11295.5	11579.0
57.5°	6956.1	7011.6	7297.1	8397.3	11041.8	14847.9	16762.8	14162.0	13957.8	12845.7	13172.8
60°	5251.3	5183.9	5318.7	6282.1	9444.0	14867.7	19447.0	17135.5	16794.6	14503.0	14776.5
62.5°	3940.9	3873.5	3903.3	4174.9	6403.0	13666.4	20977.3	21203.3	20640.3	16374.3	16320.8
65°	3114.3	3076.6	3161.9	3348.2	3732.8	10407.4	20989.2	25602.2	25247.4	18543.0	17904.7
67.5°	2537.4	2513.6	2600.9	2945.8	3027.1	5592.2	18820.5	27655.9	27794.7	20917.9	19373.6
70°	2043.8	2008.1	2144.9	2598.9	2815.0	3383.9	13482.0	26609.2	26833.2	22333.3	18959.3
72.5°	1411.4	1413.4	1482.8	2105.3	2717.8	2922.0	7626.1	22156.9	22642.5	21050.7	16667.7
75°	951.5	959.5	979.3	1389.6	2503.7	2834.8	4063.8	16774.7	17117.7	17399.2	13777.4
77.5°	574.9	578.8	624.4	840.5	1726.6	2646.5	2753.5	12159.8	12429.4	11469.9	8540.0
80°	333.0	346.9	388.5	563.0	1165.6	1988.3	2131.0	7455.7	7760.9	5098.6	2713.9
82.5°	146.7	156.6	212.1	327.1	679.9	1691.0	1663.2	2945.8	2902.2	1421.4	941.6
85°	25.8	31.7	45.6	103.1	249.8	892.1	1290.5	1300.4	1223.1	539.2	390.5
87.5°	0.0	0.0	0.0	0.0	0.0	5.9	194.3	348.9	346.9	152.6	134.8
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: P640507  
 CATALOG NUMBER: GWS-SA5E-722-U-SL2-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6	6004.6
2.5°	6034.3	5980.8	6028.4	6034.3	6024.4	6016.5	5957.0	5905.5	5899.5	5844.0	5844.0
5°	6056.1	6006.6	6030.3	5984.7	5913.4	5840.0	5713.2	5625.9	5586.3	5514.9	5514.9
7.5°	6085.8	6034.3	6006.6	5893.6	5727.0	5566.5	5362.3	5191.8	5122.4	5021.3	5017.4
10°	6113.6	6048.2	5953.0	5733.0	5467.4	5211.6	4914.3	4672.4	4507.9	4387.0	4387.0
12.5°	6111.6	6026.4	5838.1	5512.9	5146.2	4775.5	4379.0	4014.3	3796.2	3607.9	3596.0
15°	6107.7	5990.7	5691.4	5257.2	4771.5	4258.1	3718.9	3243.1	2920.0	2735.7	2719.8
17.5°	6103.7	5945.1	5526.8	4965.8	4315.6	3615.8	2904.2	2388.7	2119.1	2006.1	2010.1
20°	6103.7	5893.6	5350.4	4630.8	3790.3	2846.7	2131.0	1756.4	1689.0	1694.9	1700.9
22.5°	6085.8	5830.1	5154.1	4266.0	3205.5	2093.4	1572.0	1445.1	1480.8	1536.3	1544.3
25°	6044.2	5725.1	4926.2	3861.6	2509.7	1524.4	1282.6	1258.8	1324.2	1393.6	1413.4
27.5°	5978.8	5604.1	4670.4	3387.9	1847.6	1225.1	1128.0	1126.0	1177.5	1229.1	1246.9
30°	5909.4	5469.3	4400.8	2860.5	1338.1	1066.5	1028.8	1028.8	1054.6	1086.3	1082.4
32.5°	5828.1	5332.6	4111.4	2311.4	1090.3	977.3	965.4	959.5	963.4	975.3	975.3
35°	5758.8	5211.6	3814.1	1730.6	977.3	927.7	915.9	902.0	896.0	888.1	892.1
37.5°	5733.0	5116.5	3506.8	1304.4	921.8	892.1	872.2	852.4	838.5	834.6	832.6
40°	5774.6	5076.8	3199.5	1074.4	882.2	854.4	832.6	806.8	794.9	794.9	794.9
42.5°	5937.2	5106.6	2886.3	971.4	854.4	822.7	791.0	767.2	763.2	767.2	769.2
45°	6234.5	5221.5	2561.2	919.8	830.6	791.0	753.3	735.5	735.5	739.4	739.4
47.5°	6765.8	5522.9	2240.1	888.1	806.8	765.2	725.5	707.7	705.7	709.7	709.7
50°	7685.6	6066.0	1950.6	866.3	789.0	745.4	705.7	681.9	676.0	674.0	674.0
52.5°	8845.3	7007.6	1766.3	850.4	767.2	723.6	683.9	652.2	640.3	634.4	634.4
55°	10246.8	8262.5	1766.3	838.5	739.4	697.8	652.2	620.5	602.6	594.7	594.7
57.5°	11834.7	9723.5	2071.6	828.6	717.6	668.1	618.5	586.8	567.0	555.1	555.1
60°	13450.3	11267.7	2826.8	814.8	697.8	630.4	580.8	551.1	525.3	511.4	509.5
62.5°	15125.4	12968.6	3822.0	822.7	683.9	594.7	541.2	507.5	485.7	471.8	469.8
65°	16659.8	14588.2	4692.2	884.1	685.9	563.0	495.6	465.9	448.0	430.2	428.2
67.5°	17962.2	15482.2	4081.7	1009.0	727.5	525.3	450.0	420.3	404.4	392.5	390.5
70°	17050.3	14118.4	2315.4	1086.3	785.0	485.7	398.5	378.6	362.8	354.8	352.9
72.5°	14580.3	11953.6	1548.2	959.5	715.6	434.1	350.9	335.0	323.1	313.2	311.2
75°	11810.9	9479.7	1183.5	787.0	557.0	352.9	301.3	289.4	277.5	267.6	265.6
77.5°	6987.8	5477.3	872.2	622.5	392.5	275.5	249.8	239.9	228.0	220.0	218.1
80°	2230.2	1903.1	553.1	428.2	259.7	212.1	192.3	184.4	172.5	162.6	160.6
82.5°	850.4	735.5	293.4	218.1	172.5	144.7	128.9	120.9	113.0	103.1	101.1
85°	376.6	352.9	162.6	117.0	93.2	71.4	63.4	59.5	49.6	41.6	39.6
87.5°	132.8	132.8	69.4	33.7	19.8	9.9	5.9	2.0	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)