

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: P640797

Luminaire Tested: GWS-SA5E-750-U-T1-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P640797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA5E-750-U-T1-W  
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: (80) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

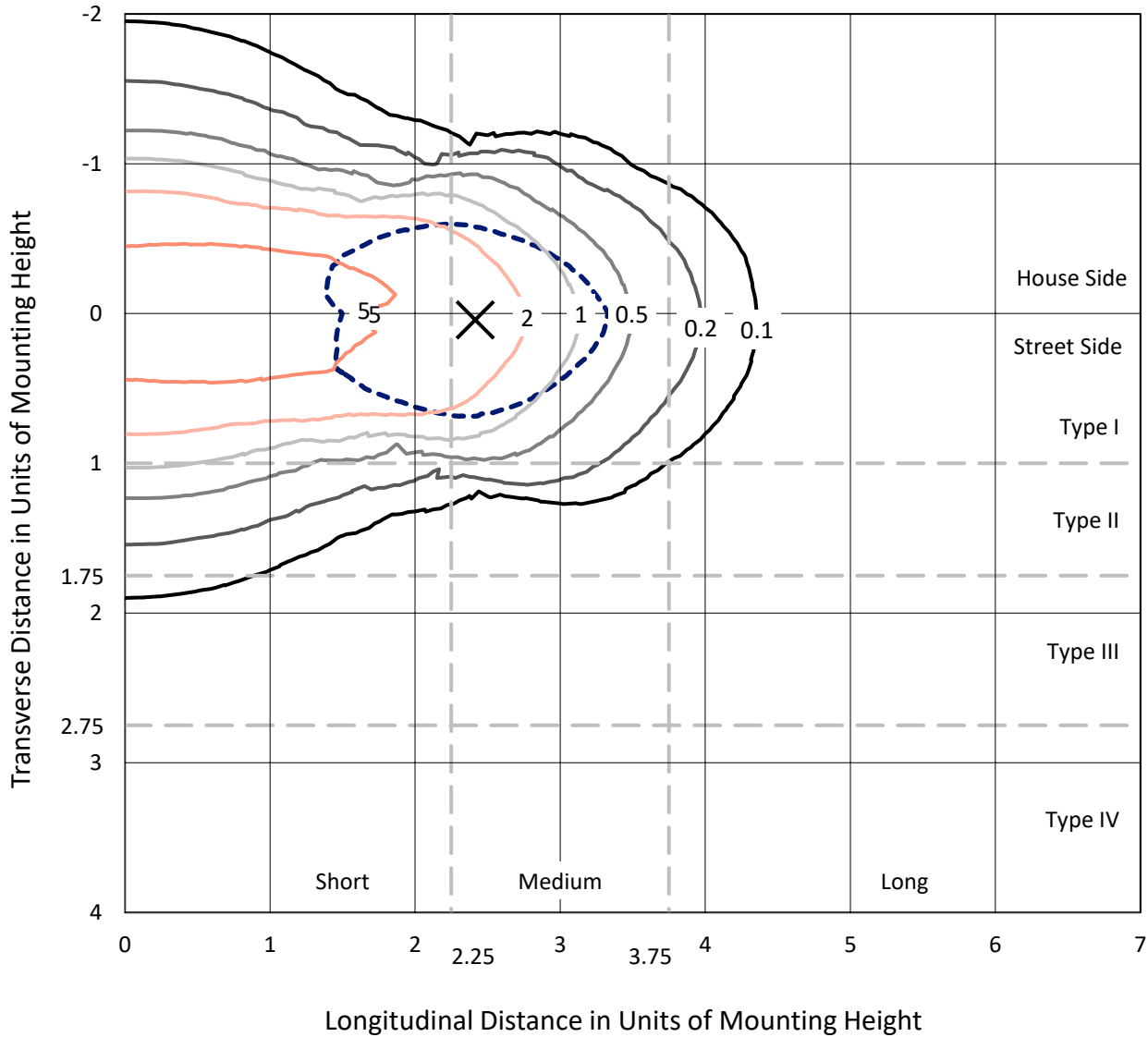
Lumens per Lamp: N/A  
Luminaire Lumens: 38330.7 lumens  
Efficiency: N/A  
Efficacy: 142.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 269.6  
Input Voltage (V): 120  
Input Current (Ain): 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: P640797  
 CATALOG NUMBER: GWS-SA5E-750-U-T1-W

### Iso-Footcandle Lines of Horizontal Illumination

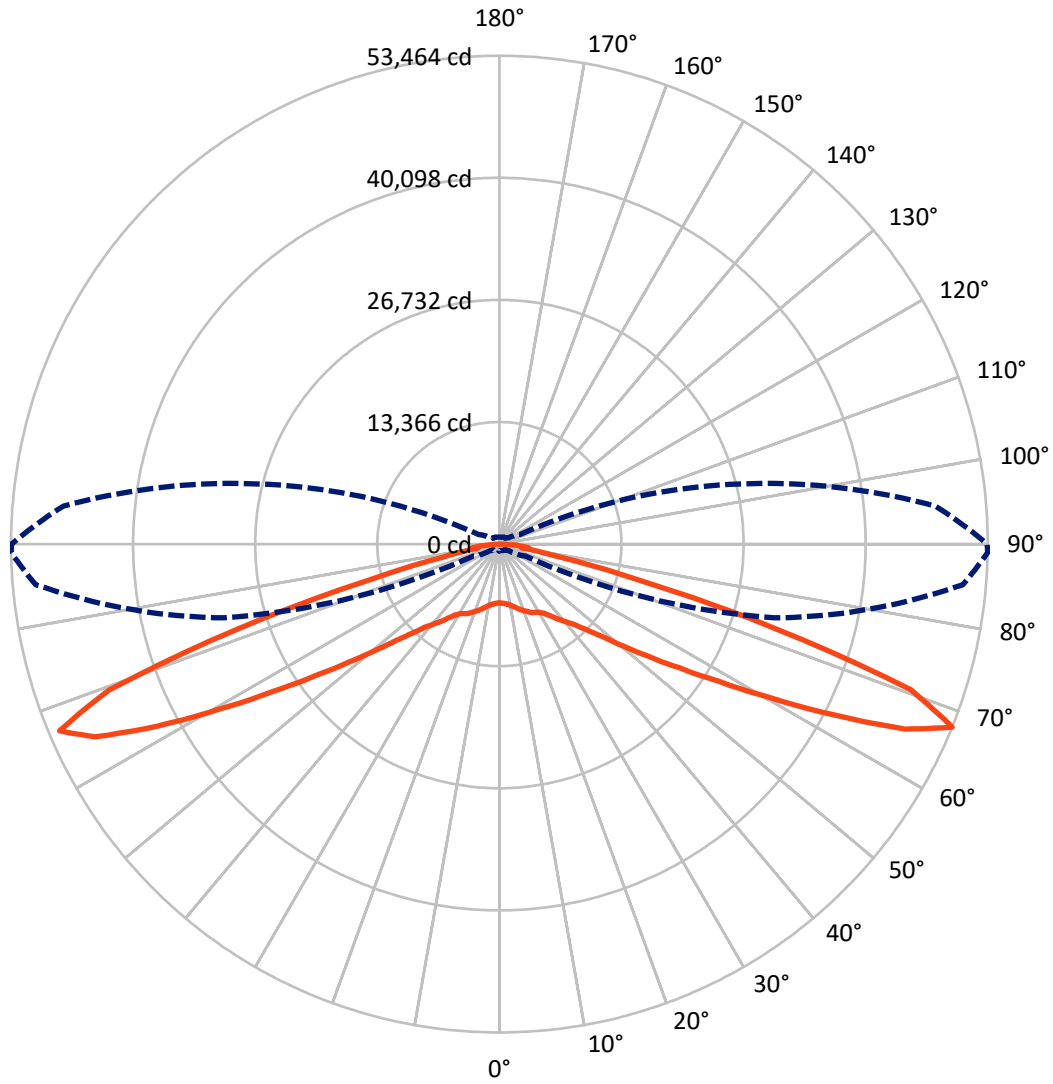
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.8 fc  
 Type I - Medium - N/A

REPORT NUMBER: P640797  
CATALOG NUMBER: GWS-SA5E-750-U-T1-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640797

CATALOG NUMBER: GWS-SA5E-750-U-T1-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18997.4	0.0	18997.4
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	19333.3	0.0	19333.3
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	38330.7	0.0	38330.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	645.3	1.7
10°-20°	2101.3	5.5
20°-30°	3552.1	9.3
30°-40°	4874.8	12.7
40°-50°	6216.5	16.2
50°-60°	7799.6	20.3
60°-70°	9406.9	24.5
70°-80°	3403.1	8.9
80°-90°	331.0	0.9
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°	38330.7	100.0
0°-180°	38330.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P640797

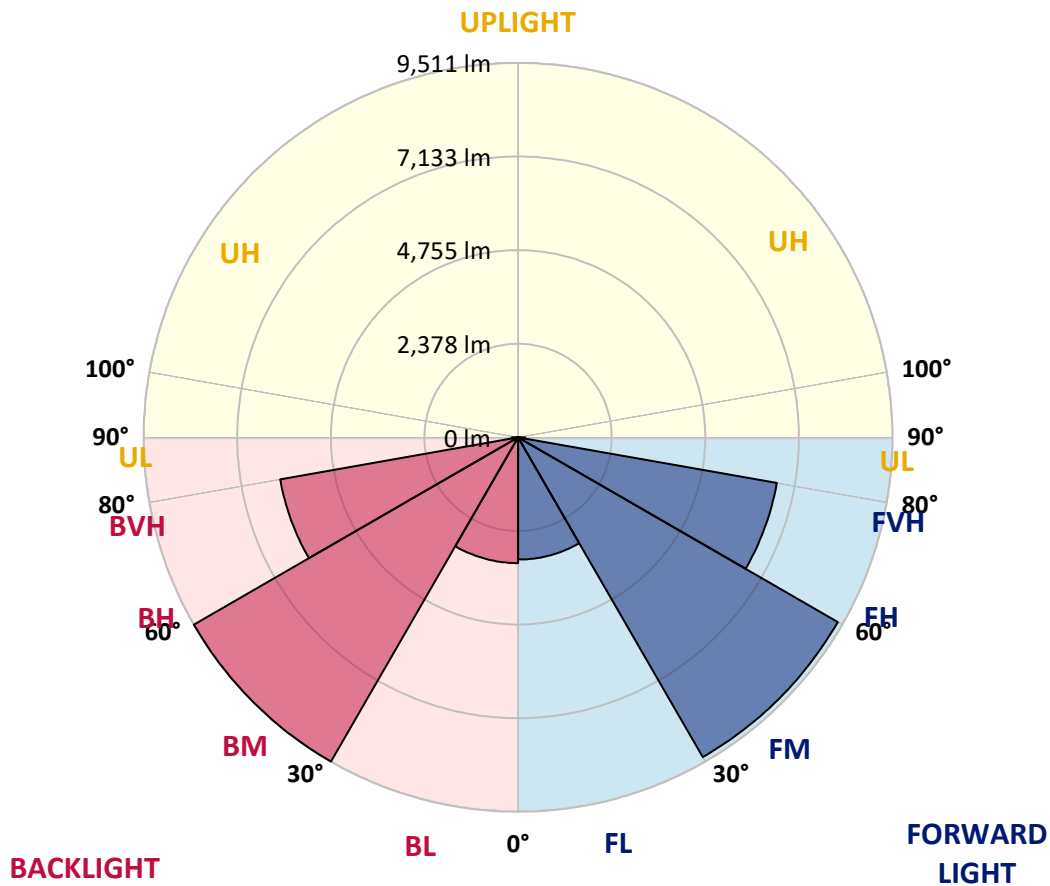
CATALOG NUMBER: GWS-SA5E-750-U-T1-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3104.5	8.1			
FM (30°-60°)	9380.3	24.5			
FH (60°-80°)	6673.9	17.4			G3/7500
FVH (80°-90°)	174.6	0.5			G2/225
BL (0°-30°)	3194.3	8.3	B4/5000		
BM (30°-60°)	9510.7	24.8	B5		
BH (60°-80°)	6136.1	16.0	B5		G5
BVH (80°-90°)	156.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Medium





REPORT NUMBER: P640797

CATALOG NUMBER: GWS-SA5E-750-U-T1-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5
2.5°	6452.8	6447.3	6433.5	6474.8	6466.5	6469.3	6485.8	6474.8	6455.5	6422.5	6469.3
5°	6634.5	6631.7	6601.4	6626.2	6598.7	6579.4	6576.6	6549.1	6527.1	6491.3	6540.9
7.5°	6810.6	6807.9	6783.1	6827.2	6805.1	6783.1	6758.3	6703.3	6651.0	6598.7	6653.7
10°	6945.5	6942.8	6937.3	7000.6	7006.1	7014.4	7003.3	6909.7	6818.9	6755.6	6810.6
12.5°	7022.6	7030.9	7044.6	7160.3	7218.1	7273.1	7286.9	7209.8	7058.4	6967.6	7033.6
15°	6970.3	6986.8	7055.7	7264.9	7424.5	7548.4	7600.7	7537.4	7342.0	7190.5	7264.9
17.5°	6719.8	6733.6	6868.5	7187.8	7540.2	7826.5	7911.8	7873.3	7655.8	7471.3	7542.9
20°	6372.9	6403.2	6549.1	6995.1	7520.9	8019.2	8247.7	8233.9	7997.1	7713.6	7798.9
22.5°	6059.1	6094.9	6249.1	6741.8	7391.5	8068.7	8586.3	8622.0	8308.2	7955.8	8024.7
25°	5706.7	5739.8	5938.0	6441.8	7168.5	8030.2	8875.3	9037.7	8660.6	8233.9	8297.2
27.5°	5346.1	5370.9	5566.3	6103.2	6876.7	7958.6	9103.8	9494.7	9007.4	8426.6	8470.6
30°	5029.5	5062.6	5241.5	5764.5	6557.4	7815.4	9291.0	9982.0	9406.6	8644.1	8679.9
32.5°	4724.0	4751.5	4946.9	5431.4	6218.8	7595.2	9458.9	10554.6	9998.5	9048.7	9048.7
35°	4338.6	4388.1	4608.3	5112.1	5899.4	7303.4	9580.1	11220.8	10807.8	9646.1	9648.9
37.5°	3983.4	4011.0	4242.2	4751.5	5563.6	6973.1	9591.1	11911.7	11831.9	10405.9	10411.4
40°	3578.8	3614.5	3862.3	4366.1	5178.2	6626.2	9486.5	12555.9	12905.5	11187.7	11157.5
42.5°	3168.6	3220.9	3457.6	3950.4	4762.5	6202.3	9208.4	13169.8	14268.2	12093.4	12019.1
45°	2772.2	2805.2	3041.9	3507.2	4286.2	5695.7	8762.4	13758.9	15886.9	13469.9	13362.5
47.5°	2326.2	2340.0	2585.0	3030.9	3793.5	5131.4	8123.8	14284.7	17665.3	15292.3	15107.8
50°	1929.8	1949.0	2141.7	2524.4	3190.6	4462.4	7328.2	14593.1	19930.9	17778.2	17458.8
52.5°	1560.9	1580.2	1734.3	2039.9	2637.3	3699.9	6342.7	14521.5	22229.6	20864.1	20398.9
55°	1260.8	1274.6	1379.2	1618.7	2075.7	2942.8	5178.2	13880.1	24781.5	24894.4	23892.3
57.5°	1065.4	1070.9	1142.4	1288.4	1621.5	2268.4	3997.2	12366.0	27457.3	30036.8	28390.5
60°	952.5	955.3	988.3	1079.1	1280.1	1731.6	2929.1	9954.4	30229.5	36470.3	34212.9
62.5°	880.9	880.9	908.5	960.8	1062.6	1332.4	2152.8	7149.3	32219.8	43470.9	41227.3
65°	812.1	812.1	831.4	875.4	930.5	1087.4	1615.9	4611.1	33197.1	49323.5	48825.2
67.5°	724.0	726.8	740.5	787.3	836.9	908.5	1225.0	3119.0	31168.2	50942.2	53463.8
70°	641.4	644.2	663.4	693.7	735.0	784.6	958.0	2150.0	22686.5	42427.5	47803.9
72.5°	550.6	561.6	575.4	608.4	633.2	669.0	781.8	1393.0	13200.1	27292.1	31600.4
75°	451.5	465.2	481.8	514.8	531.3	545.1	644.2	993.8	6350.9	13830.5	15749.3
77.5°	349.6	363.4	382.7	412.9	423.9	440.5	492.8	718.5	3041.9	6130.7	6609.7
80°	234.0	239.5	256.0	291.8	311.1	322.1	363.4	490.0	1321.4	2461.1	2439.1
82.5°	143.2	145.9	151.4	173.4	181.7	192.7	236.7	300.1	630.4	2796.9	3207.1
85°	52.3	49.6	46.8	60.6	71.6	82.6	110.1	151.4	275.3	1921.5	2150.0
87.5°	0.0	0.0	0.0	2.8	5.5	5.5	11.0	22.0	66.1	718.5	492.8
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: P640797  
 CATALOG NUMBER: GWS-SA5E-750-U-T1-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5	6433.5
2.5°	6455.5	6425.2	6463.8	6491.3	6551.9	6573.9	6579.4	6560.1	6560.1	6527.1	6532.6
5°	6529.9	6510.6	6573.9	6620.7	6708.8	6741.8	6763.8	6750.1	6758.3	6736.3	6741.8
7.5°	6642.7	6626.2	6736.3	6827.2	6918.0	6956.5	6975.8	6964.8	6967.6	6940.0	6948.3
10°	6799.6	6805.1	6937.3	7055.7	7176.8	7215.3	7223.6	7190.5	7163.0	7113.5	7116.2
12.5°	7014.4	7041.9	7229.1	7361.2	7485.1	7540.2	7479.6	7358.5	7245.6	7160.3	7149.3
15°	7248.4	7297.9	7567.7	7735.6	7870.5	7843.0	7664.0	7391.5	7168.5	7041.9	7017.1
17.5°	7529.1	7603.5	7942.1	8143.0	8258.7	8082.5	7708.1	7300.7	6989.6	6818.9	6785.9
20°	7793.4	7911.8	8338.5	8600.0	8613.8	8217.4	7688.8	7116.2	6725.3	6516.1	6472.0
22.5°	8035.7	8187.1	8754.2	9087.3	8908.3	8277.9	7570.4	6854.7	6406.0	6161.0	6122.4
25°	8300.0	8514.7	9238.7	9549.8	9202.9	8253.2	7322.7	6529.9	6020.6	5770.1	5742.5
27.5°	8481.6	8751.4	9726.0	10023.3	9445.2	8112.8	7003.3	6174.7	5668.2	5431.4	5392.9
30°	8690.9	9035.0	10262.8	10538.1	9593.8	7906.3	6662.0	5844.4	5340.6	5084.6	5057.1
32.5°	9070.8	9503.0	10929.0	11083.1	9640.6	7650.3	6334.4	5525.0	4999.2	4743.2	4704.7
35°	9681.9	10188.4	11864.9	11691.5	9604.8	7369.5	6023.3	5150.7	4649.6	4410.1	4371.6
37.5°	10452.7	11083.1	12908.3	12239.3	9505.7	7061.2	5654.4	4836.8	4335.8	4093.5	4071.5
40°	11171.2	11947.5	14078.3	12712.8	9304.8	6681.3	5299.3	4509.2	3997.2	3741.2	3691.6
42.5°	12071.4	13103.7	15432.7	13123.0	8974.4	6227.0	4900.1	4104.6	3573.2	3342.0	3281.4
45°	13439.6	14722.4	17007.3	13516.7	8481.6	5668.2	4399.1	3611.8	3108.0	2871.3	2824.5
47.5°	15146.4	16745.8	18714.1	13750.7	7732.9	5079.1	3832.0	3091.5	2587.7	2320.7	2298.7
50°	17544.2	19688.7	20544.8	13709.4	6896.0	4379.8	3193.4	2472.1	2050.9	1858.2	1827.9
52.5°	20465.0	23383.0	22524.1	13213.9	6006.8	3584.3	2488.6	1940.8	1627.0	1489.3	1464.5
55°	24129.1	27806.9	24608.1	12151.2	4883.6	2744.6	1954.6	1530.6	1315.9	1233.3	1222.3
57.5°	28665.8	33535.7	26614.9	10361.9	3672.4	2094.9	1505.8	1263.6	1161.7	1112.2	1109.4
60°	34653.4	39616.8	28357.5	8052.2	2629.0	1602.2	1244.3	1128.7	1048.9	1015.8	1013.1
62.5°	41772.3	45139.1	29442.1	5483.8	1976.6	1277.3	1095.6	1024.1	977.3	958.0	955.3
65°	49089.5	48629.8	28924.6	3592.5	1500.3	1084.6	982.8	944.2	902.9	883.7	883.7
67.5°	53411.5	47892.0	24952.2	2494.1	1189.2	952.5	886.4	850.6	781.8	765.3	765.3
70°	47308.4	38807.5	16354.9	1825.2	963.5	834.1	770.8	721.3	693.7	677.2	674.5
72.5°	31289.3	25252.2	8696.4	1266.3	803.8	710.2	652.4	633.2	600.1	583.6	580.9
75°	15573.1	13263.4	4456.9	914.0	669.0	569.8	545.1	536.8	509.3	487.3	481.8
77.5°	6491.3	5904.9	2078.4	663.4	509.3	459.7	437.7	437.7	407.4	382.7	371.6
80°	2447.3	2180.3	982.8	454.2	377.1	341.4	327.6	316.6	291.8	261.5	245.0
82.5°	3273.2	2139.0	481.8	283.5	247.8	220.2	201.0	192.7	178.9	165.2	154.2
85°	2119.7	1519.6	217.5	145.9	123.9	93.6	82.6	77.1	68.8	60.6	55.1
87.5°	432.2	509.3	66.1	27.5	16.5	8.3	8.3	2.8	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)