

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: P639819

Luminaire Tested: GWS-SA5C-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24374.8 lumens
Efficiency: N/A
Efficacy: 154.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

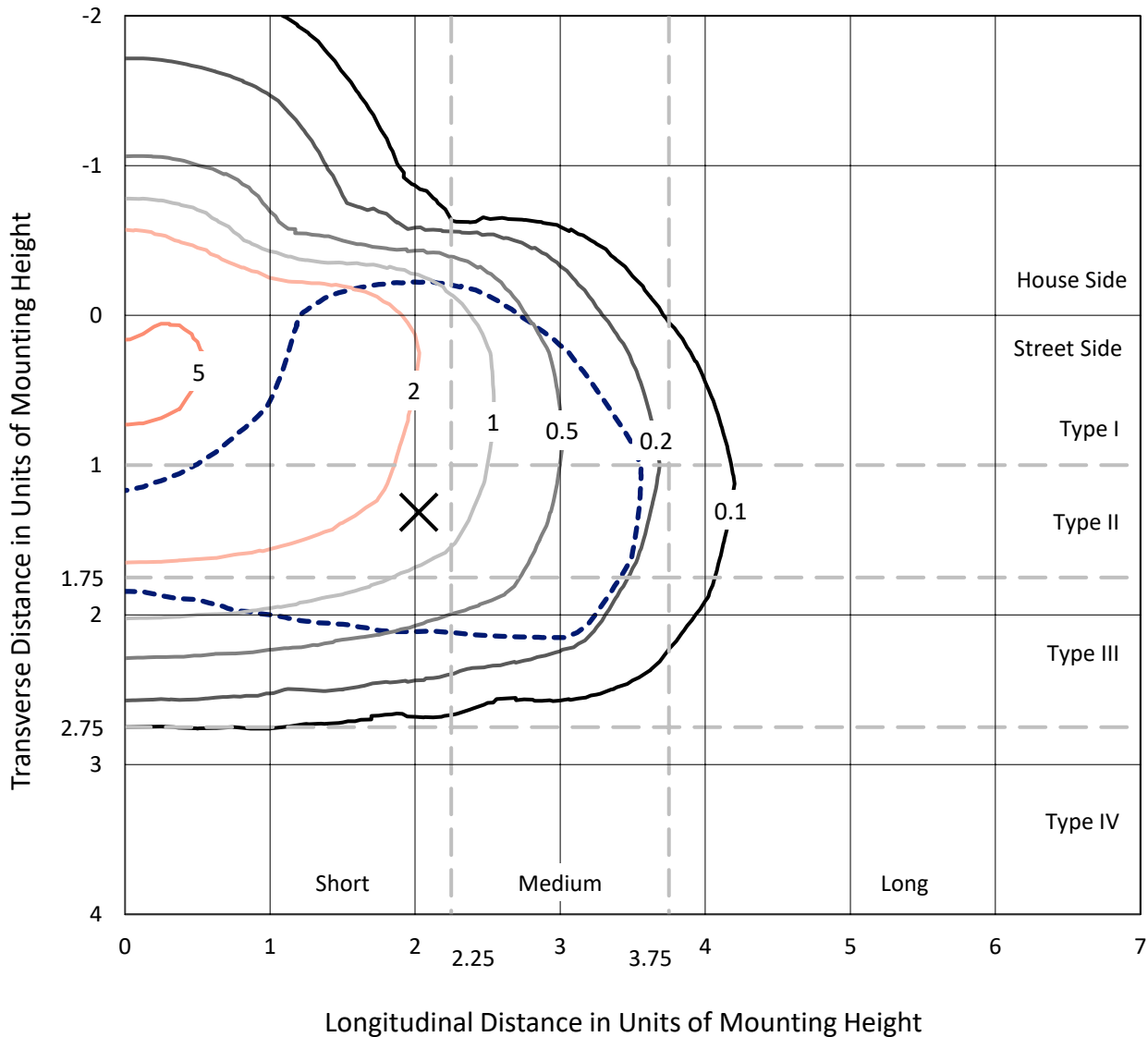
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639819
 CATALOG NUMBER: GWS-SA5C-750-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

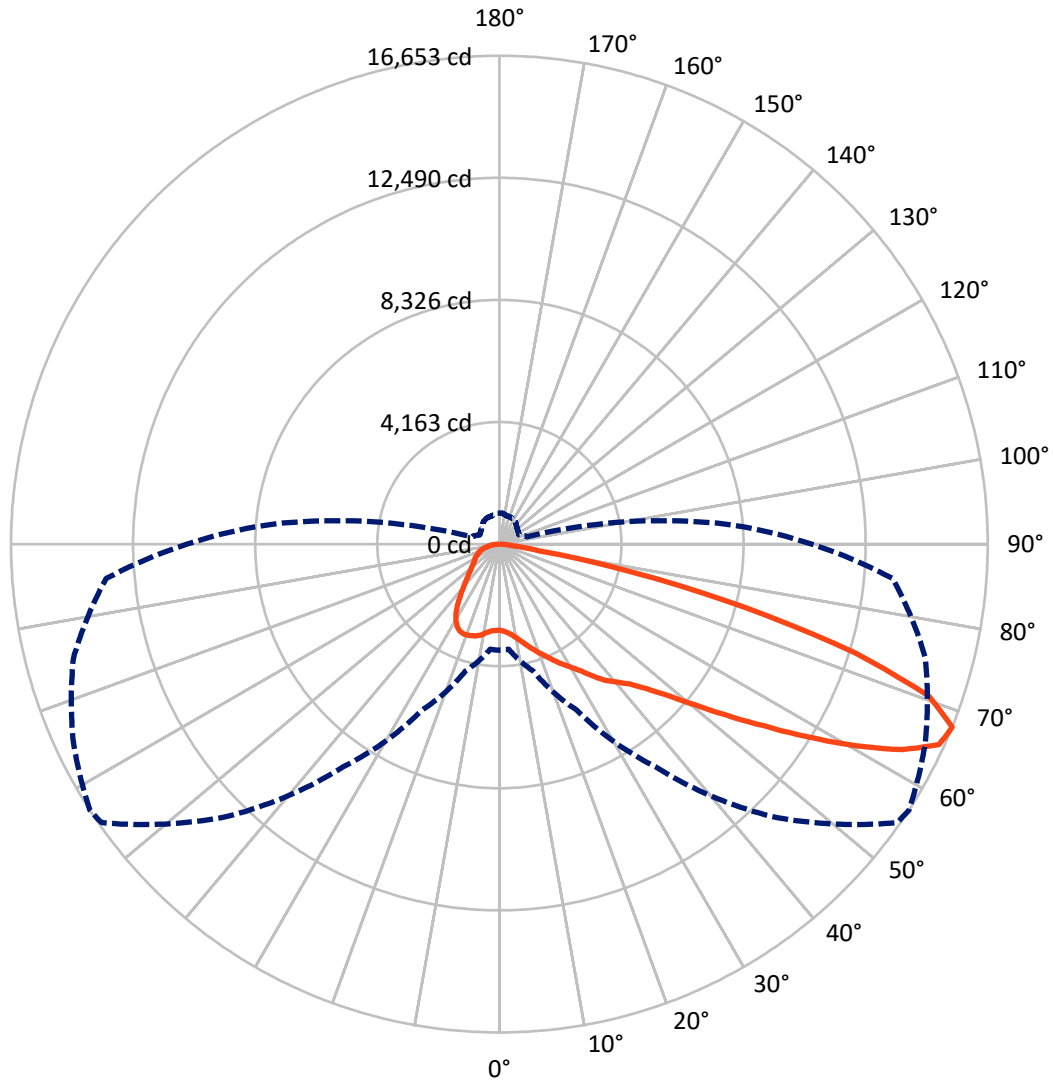
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

REPORT NUMBER: P639819
CATALOG NUMBER: GWS-SA5C-750-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P639819

CATALOG NUMBER: GWS-SA5C-750-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5359.1	0.0	5359.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	19015.7	0.0	19015.7
	% Fixture	78.0	0.0	78.0
Total	Lumens	24374.8	0.0	24374.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	1.2
10°-20°	964.3	4.0
20°-30°	1719.2	7.1
30°-40°	2499.5	10.3
40°-50°	3617.6	14.8
50°-60°	5661.4	23.2
60°-70°	6604.4	27.1
70°-80°	2756.9	11.3
80°-90°	260.2	1.1
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°	24374.8	100.0
0°-180°	24374.8	100.0

Coefficient of Utilization



REPORT NUMBER: P639819

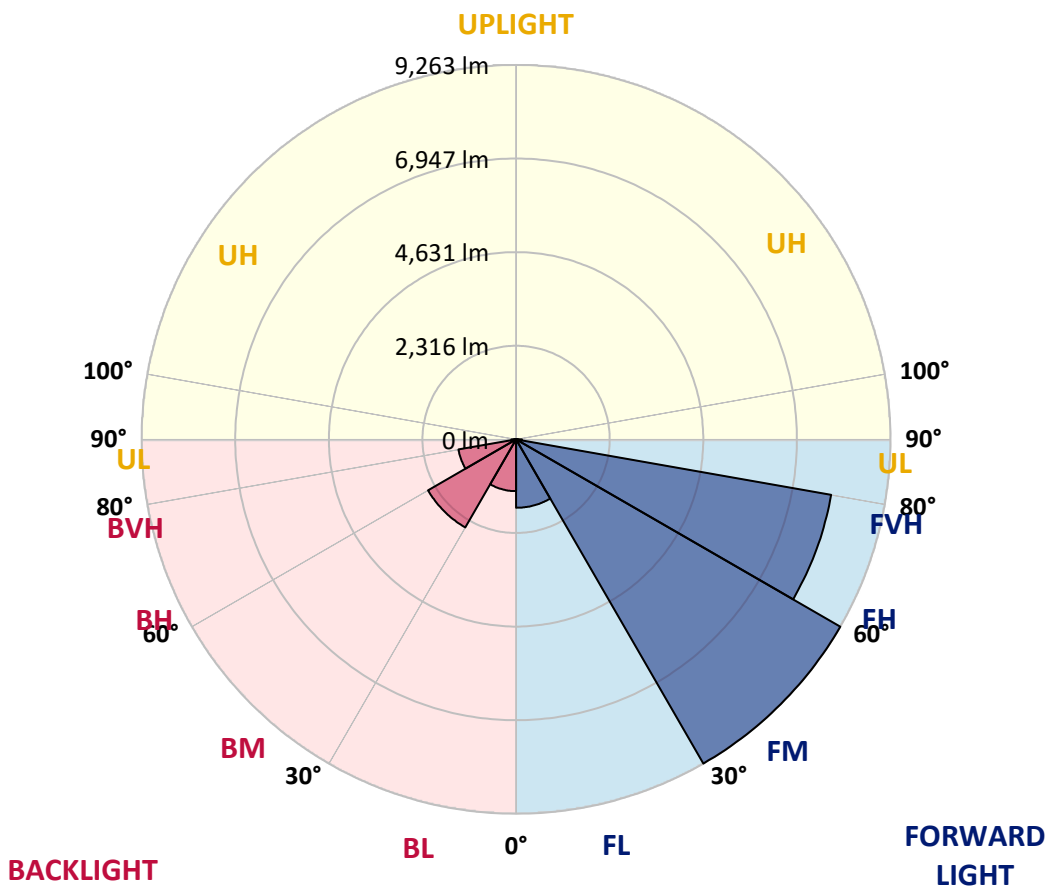
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.1	6.9			
FM (30°-60°)	9262.8	38.0			
FH (60°-80°)	7914.9	32.5			G4/12000
FVH (80°-90°)	144.9	0.6			G2/225
BL (0°-30°)	1281.7	5.3	B3/2500		
BM (30°-60°)	2515.7	10.3	B3/5000		
BH (60°-80°)	1446.4	5.9	B3/2500		G3/2500
BVH (80°-90°)	115.2	0.5			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 III Short





REPORT NUMBER: P639819

CATALOG NUMBER: GWS-SA5C-750-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0
2.5°	2978.9	2975.4	2973.7	2984.1	2980.7	2978.9	2978.9	2977.2	2973.7	2959.7	2940.5
5°	3061.0	3054.0	3047.0	3055.7	3048.8	3041.8	3040.0	3036.5	3024.3	3003.4	2973.7
7.5°	3146.5	3139.5	3141.3	3146.5	3141.3	3137.8	3132.6	3129.1	3109.9	3076.7	3036.5
10°	3267.0	3267.0	3270.5	3275.7	3277.5	3272.3	3261.8	3256.5	3233.8	3191.9	3136.1
12.5°	3441.6	3438.1	3438.1	3434.6	3439.9	3434.6	3424.2	3415.4	3387.5	3333.4	3253.0
15°	3672.1	3658.2	3645.9	3623.2	3616.2	3597.0	3600.5	3595.3	3569.1	3495.8	3394.5
17.5°	3918.3	3916.6	3897.4	3852.0	3806.6	3775.1	3782.1	3780.4	3766.4	3666.9	3537.7
20°	4134.8	4143.6	4126.1	4091.2	4030.1	3970.7	3967.2	3975.9	3958.5	3859.0	3679.1
22.5°	4377.6	4370.6	4353.1	4307.7	4262.3	4199.5	4178.5	4171.5	4164.5	4051.0	3824.0
25°	4608.0	4629.0	4606.3	4564.4	4494.5	4426.4	4409.0	4416.0	4396.8	4246.6	3979.4
27.5°	4899.7	4908.4	4894.4	4836.8	4777.4	4681.4	4648.2	4648.2	4641.2	4429.9	4101.7
30°	5210.5	5234.9	5210.5	5163.3	5102.2	4964.3	4892.7	4885.7	4864.7	4618.5	4244.9
32.5°	5523.0	5540.5	5523.0	5477.6	5407.8	5287.3	5184.3	5168.6	5140.6	4824.6	4391.5
35°	5800.7	5816.4	5812.9	5823.4	5765.7	5613.8	5551.0	5544.0	5470.6	5093.5	4590.6
37.5°	6104.5	6123.7	6097.5	6118.5	6095.8	5952.6	5933.4	5898.4	5793.7	5346.7	4800.1
40°	6450.2	6467.7	6425.8	6434.5	6408.3	6328.0	6230.2	6183.1	6027.7	5620.8	5130.1
42.5°	6820.4	6860.6	6879.8	6864.1	6802.9	6757.5	6586.4	6527.0	6397.8	6115.0	5673.2
45°	7356.5	7415.8	7443.8	7403.6	7377.4	7312.8	7103.3	7031.7	6963.6	6811.7	6431.0
47.5°	7934.4	7988.6	8077.6	8095.1	8116.0	8067.1	7772.0	7702.2	7714.4	7697.0	7363.4
50°	8395.4	8440.8	8641.6	8856.4	9034.5	9048.5	8671.3	8596.2	8662.6	8718.4	8486.2
52.5°	8730.7	8770.8	9036.2	9479.8	9883.1	10181.7	9774.9	9689.3	9743.4	9869.1	9762.6
55°	9003.1	9058.9	9336.6	10017.6	10833.0	11304.5	11044.3	10936.0	10913.3	11068.7	11129.9
57.5°	9146.3	9163.7	9553.1	10438.4	11529.7	12406.3	12519.8	12397.6	12181.0	12266.6	12584.4
60°	8819.7	8849.4	9382.0	10546.6	12079.8	13499.4	14068.6	13967.3	13506.3	13553.5	13904.5
62.5°	7917.0	7958.9	8599.7	10031.5	12125.2	14229.2	15498.7	15434.1	14815.9	14561.0	14665.8
65°	6350.7	6364.7	7028.2	8756.9	11222.4	14320.0	16495.7	16480.0	15730.9	15133.7	14685.0
67.5°	3621.5	3597.0	4484.1	6245.9	9261.5	13139.7	16560.3	16652.9	16027.8	15039.5	13462.7
70°	1569.8	1573.3	1981.9	3081.9	5994.5	10620.0	15381.7	15540.6	15168.7	13469.7	10710.8
72.5°	726.4	736.9	913.2	1334.0	2559.8	6588.2	12542.5	12685.7	12366.1	10780.6	7793.0
75°	513.4	522.1	609.4	764.8	1176.9	2566.8	8390.2	8690.5	8845.9	8063.6	5135.4
77.5°	389.4	401.6	445.3	530.8	726.4	909.7	4014.4	4730.3	5634.8	5016.6	2645.4
80°	248.0	248.0	295.1	354.5	443.5	473.2	1159.4	1374.2	2757.1	2067.4	1038.9
82.5°	167.6	172.9	200.8	225.3	254.9	268.9	497.6	530.8	796.2	703.7	427.8
85°	89.1	92.5	104.8	103.0	122.2	106.5	209.5	207.8	291.6	319.5	162.4
87.5°	0.0	0.0	1.7	1.7	3.5	5.2	22.7	24.4	61.1	97.8	54.1
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: P639819
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0	2937.0
2.5°	2951.0	2930.0	2940.5	2937.0	2947.5	2947.5	2928.3	2923.0	2924.8	2903.8	2896.8
5°	2977.2	2952.7	2958.0	2951.0	2961.4	2970.2	2961.4	2961.4	2971.9	2956.2	2947.5
7.5°	3036.5	3008.6	3008.6	2999.9	3012.1	3019.1	3012.1	3022.6	3041.8	3026.1	3017.3
10°	3130.8	3097.6	3099.4	3088.9	3094.1	3090.7	3062.7	3054.0	3059.2	3045.3	3038.3
12.5°	3253.0	3207.6	3207.6	3186.7	3174.5	3137.8	3080.2	3059.2	3062.7	3050.5	3045.3
15°	3370.0	3328.1	3319.4	3277.5	3221.6	3153.5	3101.1	3087.2	3090.7	3078.4	3069.7
17.5°	3508.0	3453.9	3422.4	3345.6	3242.6	3172.7	3120.3	3087.2	3059.2	3031.3	3024.3
20°	3635.5	3567.4	3509.7	3391.0	3265.3	3169.2	3071.4	2989.4	2921.3	2884.6	2875.9
22.5°	3766.4	3679.1	3577.8	3422.4	3263.5	3106.4	2926.5	2802.5	2701.3	2647.1	2657.6
25°	3890.4	3780.4	3642.4	3452.1	3207.6	2966.7	2722.2	2537.1	2421.9	2380.0	2367.8
27.5°	3993.4	3857.2	3701.8	3438.1	3092.4	2765.9	2442.8	2236.8	2125.0	2077.9	2065.7
30°	4108.7	3955.0	3787.4	3373.5	2910.8	2484.7	2126.8	1959.2	1878.8	1833.4	1835.2
32.5°	4241.4	4080.7	3907.8	3249.6	2678.6	2180.9	1866.6	1751.4	1686.8	1641.4	1634.4
35°	4419.5	4260.6	3988.2	3062.7	2383.5	1901.5	1688.5	1594.2	1513.9	1454.5	1442.3
37.5°	4639.5	4531.2	3996.9	2813.0	2067.4	1709.5	1561.0	1459.8	1362.0	1283.4	1274.7
40°	5016.6	4892.7	3925.3	2500.5	1798.5	1585.5	1454.5	1337.5	1224.0	1136.7	1124.5
42.5°	5554.5	5299.5	3771.6	2147.7	1596.0	1487.7	1353.3	1204.8	1089.6	1028.5	1019.7
45°	6238.9	5753.5	3541.2	1816.0	1445.8	1391.7	1246.7	1091.3	1030.2	986.6	977.8
47.5°	7077.1	6282.6	3275.7	1557.6	1328.8	1304.4	1138.5	1052.9	998.8	962.1	953.4
50°	8079.4	6956.6	3057.5	1355.0	1224.0	1203.1	1103.6	1030.2	986.6	956.9	949.9
52.5°	9223.1	7705.7	2951.0	1210.1	1133.2	1112.3	1091.3	1025.0	988.3	965.6	956.9
55°	10410.5	8494.9	2851.4	1098.3	1056.4	1068.6	1093.1	1042.4	1014.5	984.8	976.1
57.5°	11557.7	9235.3	2607.0	1011.0	1000.5	1047.7	1101.8	1059.9	1026.7	997.0	986.6
60°	12348.7	9640.4	2193.1	941.2	958.6	1021.5	1079.1	1033.7	991.8	979.6	974.3
62.5°	12561.7	9591.5	1702.5	869.6	908.0	963.9	1019.7	990.1	946.4	965.6	967.4
65°	12064.0	9067.7	1278.2	799.7	841.6	888.8	958.6	946.4	930.7	983.1	984.8
67.5°	10654.9	7780.8	974.3	738.6	773.5	831.2	939.4	990.1	993.6	1059.9	1052.9
70°	8061.9	5812.9	763.1	681.0	721.2	831.2	1000.5	1023.2	981.3	1042.4	1028.5
72.5°	5573.7	3836.3	649.6	630.4	656.5	792.7	998.8	998.8	953.4	953.4	927.2
75°	3462.6	2256.0	565.7	565.7	565.7	693.2	970.9	920.2	839.9	803.2	782.3
77.5°	1709.5	1096.6	474.9	492.4	473.2	579.7	792.7	752.6	703.7	665.3	651.3
80°	729.9	548.3	384.1	403.4	380.7	436.5	628.6	619.9	572.7	522.1	506.4
82.5°	335.3	282.9	307.3	316.1	277.6	328.3	459.2	459.2	433.0	363.2	337.0
85°	143.2	150.2	213.0	213.0	174.6	185.1	246.2	234.0	209.5	171.1	157.2
87.5°	48.9	73.3	108.3	94.3	36.7	15.7	8.7	3.5	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)