

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: P636244

Luminaire Tested: GWS-SA3F-735-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636244  
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-SA3F-735-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

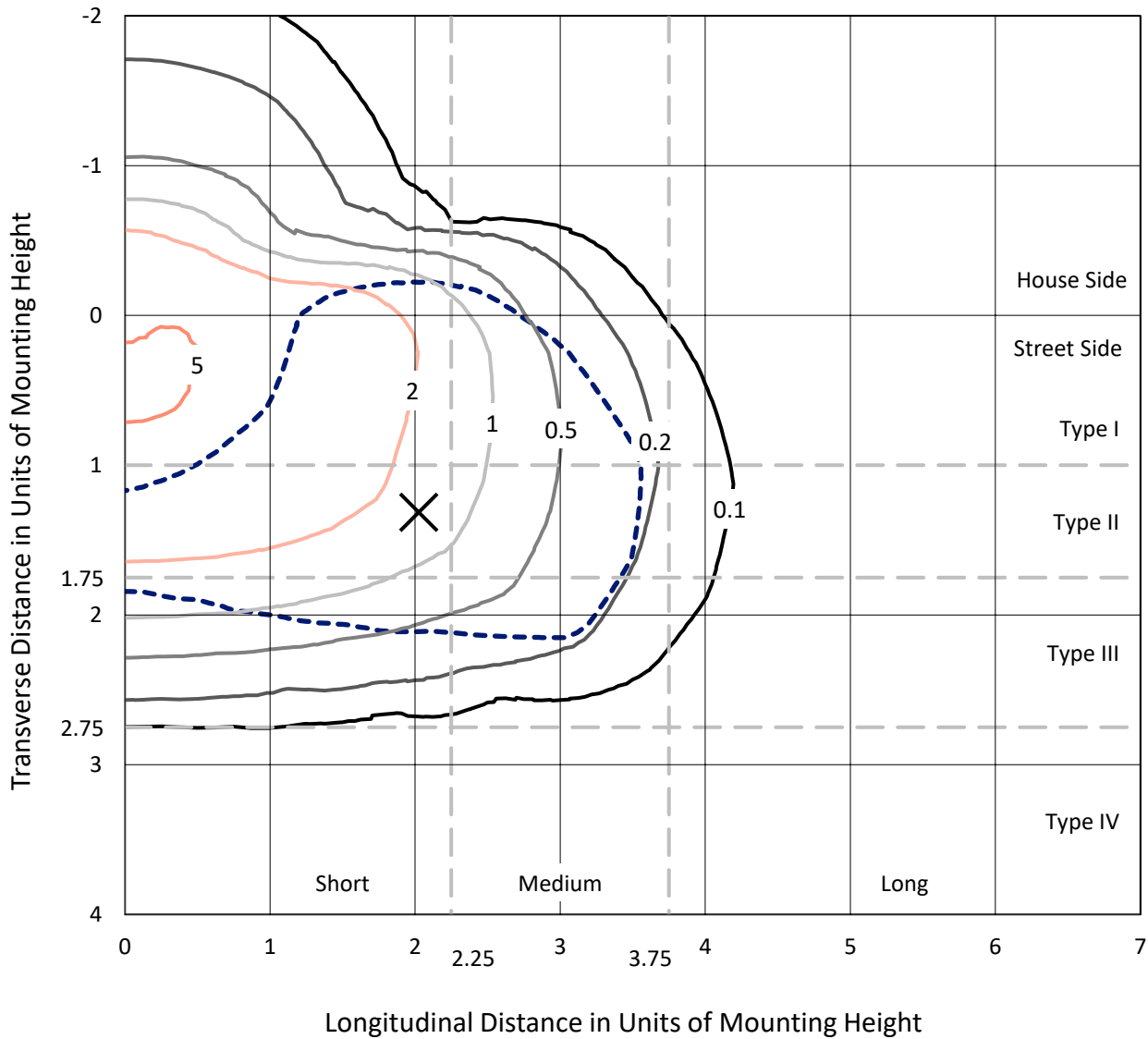
Lumens per Lamp: N/A  
Luminaire Lumens: 24131.9 lumens  
Efficiency: N/A  
Efficacy: 131.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P636244  
 CATALOG NUMBER: GWS-SA3F-735-U-T3-W

### Iso-Footcandle Lines of Horizontal Illumination

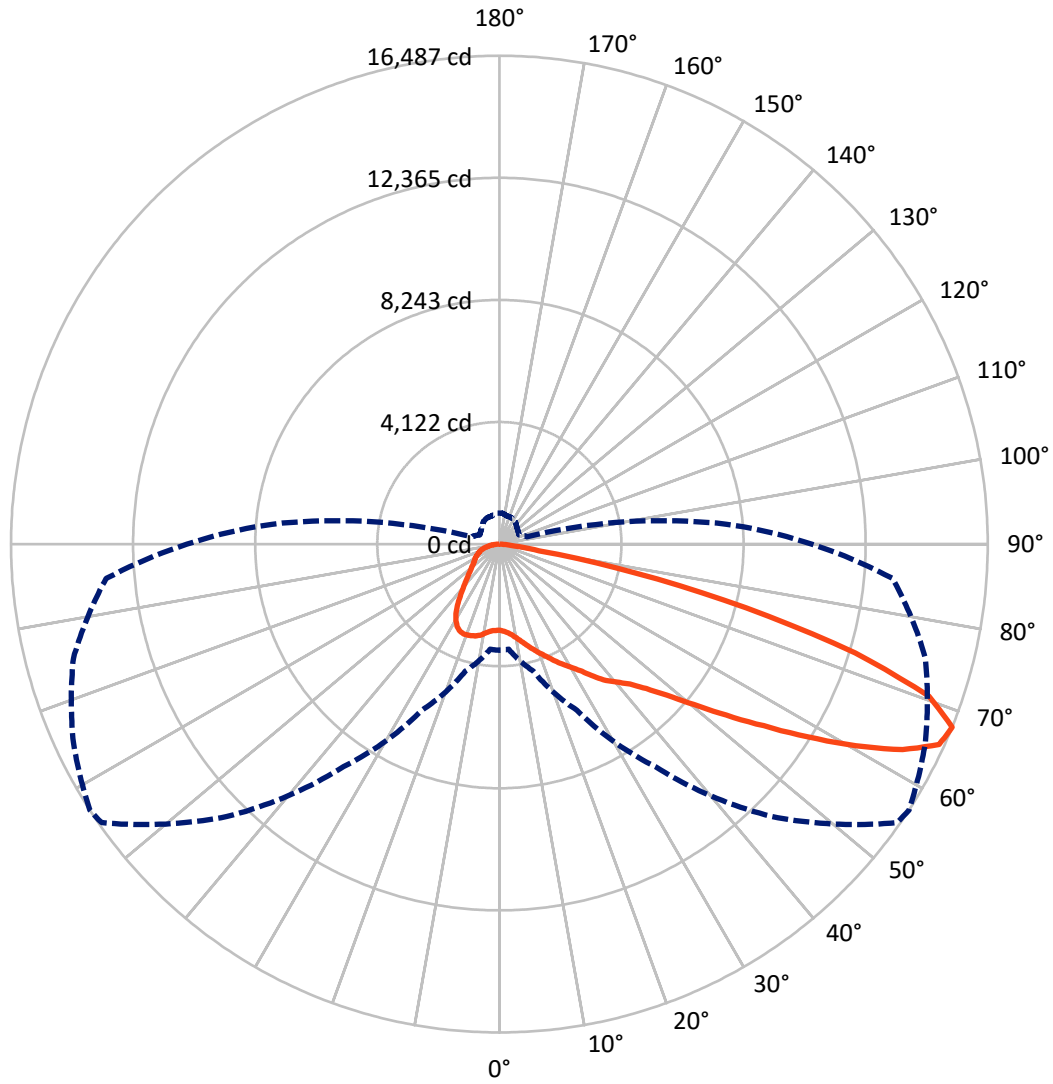
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P636244  
CATALOG NUMBER: GWS-SA3F-735-U-T3-W

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P636244

CATALOG NUMBER: GWS-SA3F-735-U-T3-W

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5305.7	0.0	5305.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	18826.2	0.0	18826.2
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	24131.9	0.0	24131.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	288.4	1.2
10°-20°	954.7	4.0
20°-30°	1702.1	7.1
30°-40°	2474.6	10.3
40°-50°	3581.6	14.8
50°-60°	5605.0	23.2
60°-70°	6538.6	27.1
70°-80°	2729.5	11.3
80°-90°	257.6	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°	24131.9	100.0
0°-180°	24131.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P636244

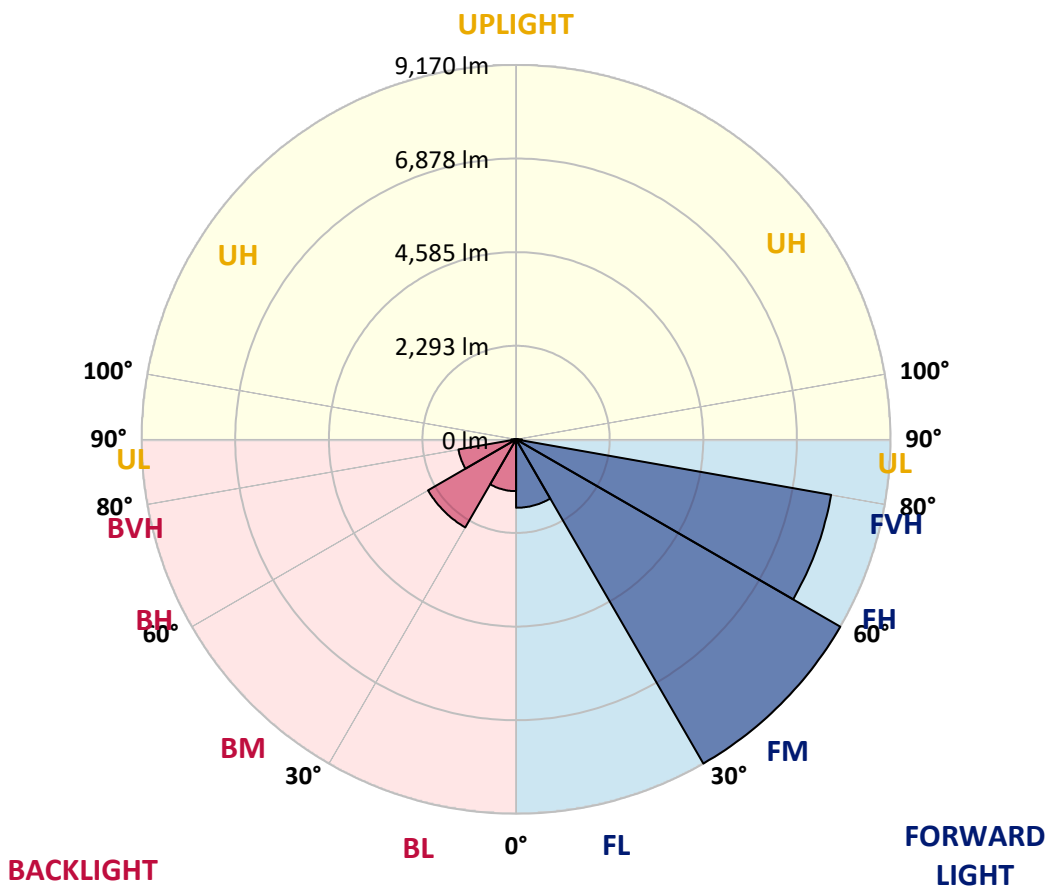
CATALOG NUMBER: GWS-SA3F-735-U-T3-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1676.2	6.9			
FM (30°-60°)	9170.5	38.0			
FH (60°-80°)	7836.0	32.5			G4/12000
FVH (80°-90°)	143.5	0.6			G2/225
BL (0°-30°)	1269.0	5.3	B3/2500		
BM (30°-60°)	2490.6	10.3	B2/2500		
BH (60°-80°)	1432.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	114.1	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: P636244  
 CATALOG NUMBER: GWS-SA3F-735-U-T3-W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7
2.5°	2949.2	2945.8	2944.0	2954.4	2950.9	2949.2	2949.2	2947.5	2944.0	2930.2	2911.2
5°	3030.5	3023.6	3016.6	3025.3	3018.4	3011.5	3009.7	3006.3	2994.2	2973.4	2944.0
7.5°	3115.2	3108.3	3110.0	3115.2	3110.0	3106.5	3101.3	3097.9	3078.9	3046.0	3006.3
10°	3234.5	3234.5	3237.9	3243.1	3244.8	3239.6	3229.3	3224.1	3201.6	3160.1	3104.8
12.5°	3407.3	3403.9	3403.9	3400.4	3405.6	3400.4	3390.0	3381.4	3353.7	3300.2	3220.6
15°	3635.5	3621.7	3609.6	3587.1	3580.2	3561.2	3564.6	3559.5	3533.5	3460.9	3360.7
17.5°	3879.3	3877.5	3858.5	3813.6	3768.6	3737.5	3744.4	3742.7	3728.9	3630.3	3502.4
20°	4093.6	4102.3	4085.0	4050.4	3989.9	3931.1	3927.7	3936.3	3919.0	3820.5	3642.4
22.5°	4333.9	4327.0	4309.7	4264.8	4219.8	4157.6	4136.9	4129.9	4123.0	4010.7	3785.9
25°	4562.1	4582.9	4560.4	4518.9	4449.8	4382.3	4365.1	4372.0	4353.0	4204.3	3939.8
27.5°	4850.8	4859.5	4845.6	4788.6	4729.8	4634.7	4601.9	4601.9	4595.0	4385.8	4060.8
30°	5158.5	5182.7	5158.5	5111.9	5051.4	4914.8	4843.9	4837.0	4816.3	4572.5	4202.6
32.5°	5468.0	5485.3	5468.0	5423.0	5353.9	5234.6	5132.6	5117.1	5089.4	4776.5	4347.8
35°	5742.9	5758.4	5755.0	5765.3	5708.3	5557.9	5495.6	5488.7	5416.1	5042.7	4544.8
37.5°	6043.7	6062.7	6036.7	6057.5	6035.0	5893.3	5874.2	5839.7	5735.9	5293.4	4752.3
40°	6385.9	6403.2	6361.7	6370.4	6344.5	6264.9	6168.1	6121.4	5967.6	5564.8	5079.0
42.5°	6752.4	6792.2	6811.2	6795.7	6735.1	6690.2	6520.8	6462.0	6334.1	6054.0	5616.7
45°	7283.2	7341.9	7369.6	7329.8	7303.9	7239.9	7032.5	6961.6	6894.2	6743.8	6366.9
47.5°	7855.4	7909.0	7997.1	8014.4	8035.2	7986.7	7694.6	7625.4	7637.5	7620.3	7290.1
50°	8311.8	8356.7	8555.5	8768.1	8944.5	8958.3	8584.9	8510.6	8576.2	8631.6	8401.6
52.5°	8643.7	8683.4	8946.2	9385.3	9784.6	10080.2	9677.4	9592.7	9646.3	9770.8	9665.3
55°	8913.3	8968.7	9243.5	9917.7	10725.1	11191.8	10934.2	10827.1	10804.6	10958.4	11018.9
57.5°	9055.1	9072.4	9457.9	10334.4	11414.8	12282.7	12395.0	12274.0	12059.6	12144.4	12459.0
60°	8731.8	8761.2	9288.5	10441.5	11959.4	13364.8	13928.4	13828.1	13371.8	13418.4	13765.9
62.5°	7838.1	7879.6	8514.0	9931.6	12004.3	14087.4	15344.2	15280.3	14668.3	14415.9	14519.6
65°	6287.4	6301.2	6958.2	8669.6	11110.6	14177.3	16331.3	16315.8	15574.2	14982.9	14538.6
67.5°	3585.4	3561.2	4439.4	6183.7	9169.2	13008.7	16395.3	16486.9	15868.0	14889.6	13328.5
70°	1554.1	1557.6	1962.1	3051.2	5934.7	10514.2	15228.4	15385.7	15017.5	13335.4	10604.1
72.5°	719.2	729.5	904.1	1320.8	2534.3	6522.5	12417.5	12559.2	12242.9	10673.2	7715.3
75°	508.2	516.9	603.3	757.2	1165.2	2541.2	8306.6	8603.9	8757.8	7983.3	5084.2
77.5°	385.5	397.6	440.8	525.5	719.2	900.7	3974.4	4683.1	5578.6	4966.7	2619.0
80°	245.5	245.5	292.2	350.9	439.1	468.5	1147.9	1360.5	2729.7	2046.8	1028.6
82.5°	166.0	171.1	198.8	223.0	252.4	266.2	492.7	525.5	788.3	696.7	423.5
85°	88.2	91.6	103.7	102.0	121.0	105.5	207.4	205.7	288.7	316.4	160.8
87.5°	0.0	0.0	1.7	1.7	3.5	5.2	22.5	24.2	60.5	96.8	53.6
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: P636244  
 CATALOG NUMBER: GWS-SA3F-735-U-T3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7	2907.7
2.5°	2921.6	2900.8	2911.2	2907.7	2918.1	2918.1	2899.1	2893.9	2895.6	2874.9	2868.0
5°	2947.5	2923.3	2928.5	2921.6	2931.9	2940.6	2931.9	2931.9	2942.3	2926.7	2918.1
7.5°	3006.3	2978.6	2978.6	2970.0	2982.1	2989.0	2982.1	2992.4	3011.5	2995.9	2987.3
10°	3099.6	3066.8	3068.5	3058.1	3063.3	3059.9	3032.2	3023.6	3028.7	3014.9	3008.0
12.5°	3220.6	3175.7	3175.7	3154.9	3142.8	3106.5	3049.5	3028.7	3032.2	3020.1	3014.9
15°	3336.5	3295.0	3286.3	3244.8	3189.5	3122.1	3070.2	3056.4	3059.9	3047.8	3039.1
17.5°	3473.0	3419.4	3388.3	3312.3	3210.3	3141.1	3089.2	3056.4	3028.7	3001.1	2994.2
20°	3599.2	3531.8	3474.8	3357.2	3232.7	3137.7	3040.8	2959.6	2892.2	2855.9	2847.2
22.5°	3728.9	3642.4	3542.2	3388.3	3231.0	3075.4	2897.4	2774.6	2674.4	2620.8	2631.1
25°	3851.6	3742.7	3606.1	3417.7	3175.7	2937.1	2695.1	2511.8	2397.8	2356.3	2344.2
27.5°	3953.6	3818.8	3664.9	3403.9	3061.6	2738.3	2418.5	2214.5	2103.9	2057.2	2045.1
30°	4067.7	3915.6	3749.6	3339.9	2881.8	2460.0	2105.6	1939.6	1860.1	1815.2	1816.9
32.5°	4199.1	4040.1	3868.9	3217.2	2651.9	2159.2	1848.0	1733.9	1670.0	1625.0	1618.1
35°	4375.4	4218.1	3948.4	3032.2	2359.7	1882.6	1671.7	1578.3	1498.8	1440.0	1427.9
37.5°	4593.2	4486.1	3957.1	2785.0	2046.8	1692.4	1545.5	1445.2	1348.4	1270.6	1262.0
40°	4966.7	4843.9	3886.2	2475.5	1780.6	1569.7	1440.0	1324.2	1211.8	1125.4	1113.3
42.5°	5499.1	5246.7	3734.1	2126.3	1580.1	1472.9	1339.8	1192.8	1078.7	1018.2	1009.6
45°	6176.8	5696.2	3505.9	1797.9	1431.4	1377.8	1234.3	1080.5	1020.0	976.7	968.1
47.5°	7006.6	6220.0	3243.1	1542.0	1315.6	1291.4	1127.1	1042.4	988.8	952.5	943.9
50°	7998.8	6887.3	3027.0	1341.5	1211.8	1191.1	1092.6	1020.0	976.7	947.3	940.4
52.5°	9131.2	7628.9	2921.6	1198.0	1121.9	1101.2	1080.5	1014.8	978.5	956.0	947.3
55°	10306.7	8410.3	2823.0	1087.4	1045.9	1058.0	1082.2	1032.1	1004.4	975.0	966.4
57.5°	11442.5	9143.3	2581.0	1000.9	990.6	1037.2	1090.8	1049.3	1016.5	987.1	976.7
60°	12225.6	9544.3	2171.3	931.8	949.1	1011.3	1068.4	1023.4	981.9	969.8	964.6
62.5°	12436.5	9495.9	1685.5	860.9	898.9	954.3	1009.6	980.2	937.0	956.0	957.7
65°	11943.8	8977.3	1265.4	791.8	833.2	879.9	949.1	937.0	921.4	973.3	975.0
67.5°	10548.7	7703.2	964.6	731.3	765.8	822.9	930.1	980.2	983.6	1049.3	1042.4
70°	7981.6	5755.0	755.5	674.2	714.0	822.9	990.6	1013.0	971.5	1032.1	1018.2
72.5°	5518.1	3798.0	643.1	624.1	650.0	784.8	988.8	988.8	943.9	943.9	918.0
75°	3428.1	2233.5	560.1	560.1	560.1	686.3	961.2	911.0	831.5	795.2	774.5
77.5°	1692.4	1085.6	470.2	487.5	468.5	573.9	784.8	745.1	696.7	658.6	644.8
80°	722.6	542.8	380.3	399.3	376.9	432.2	622.3	613.7	567.0	516.9	501.3
82.5°	331.9	280.1	304.3	312.9	274.9	325.0	454.7	454.7	428.7	359.6	333.6
85°	141.8	148.7	210.9	210.9	172.9	183.2	243.8	231.7	207.4	169.4	155.6
87.5°	48.4	72.6	107.2	93.4	36.3	15.6	8.6	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)