

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: P639269

Luminaire Tested: GWS-SA5B-740-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639269
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-SA5B-740-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17767.9 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

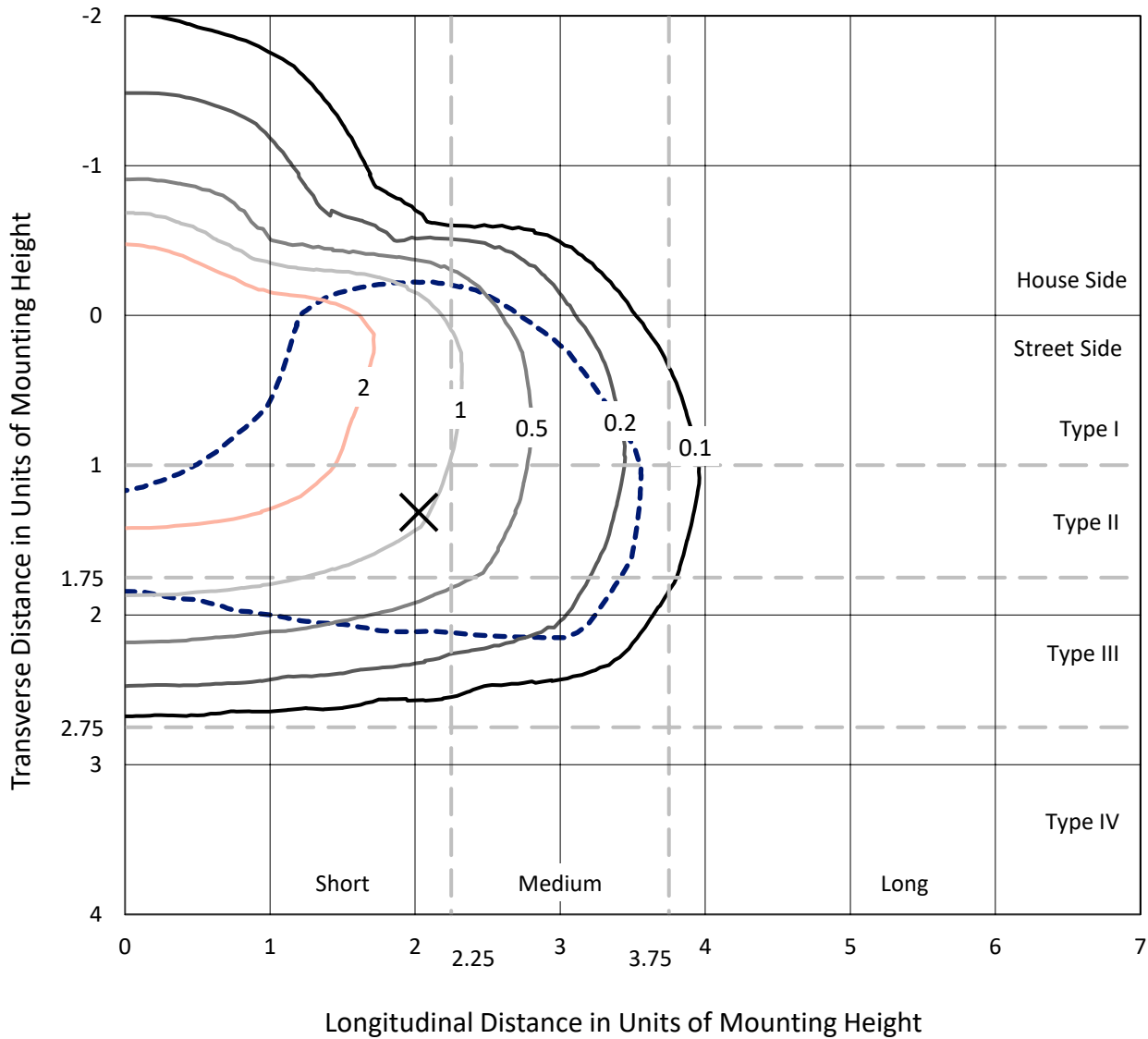
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

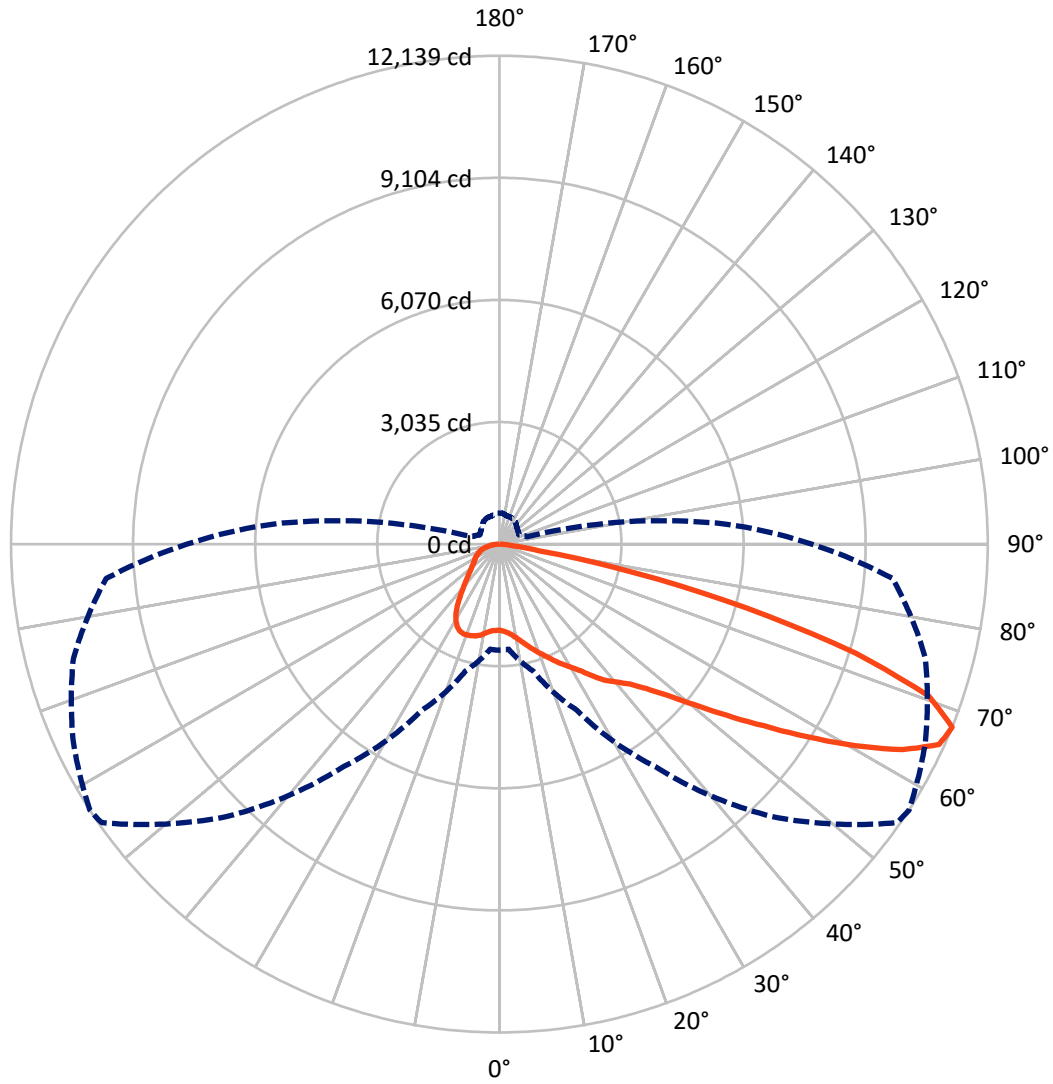
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3906.5	0.0	3906.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13861.4	0.0	13861.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	17767.9	0.0	17767.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.3	1.2
10°-20°	702.9	4.0
20°-30°	1253.2	7.1
30°-40°	1822.0	10.3
40°-50°	2637.0	14.8
50°-60°	4126.9	23.2
60°-70°	4814.2	27.1
70°-80°	2009.7	11.3
80°-90°	189.7	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°	17767.9	100.0
0°-180°	17767.9	100.0

Coefficient of Utilization



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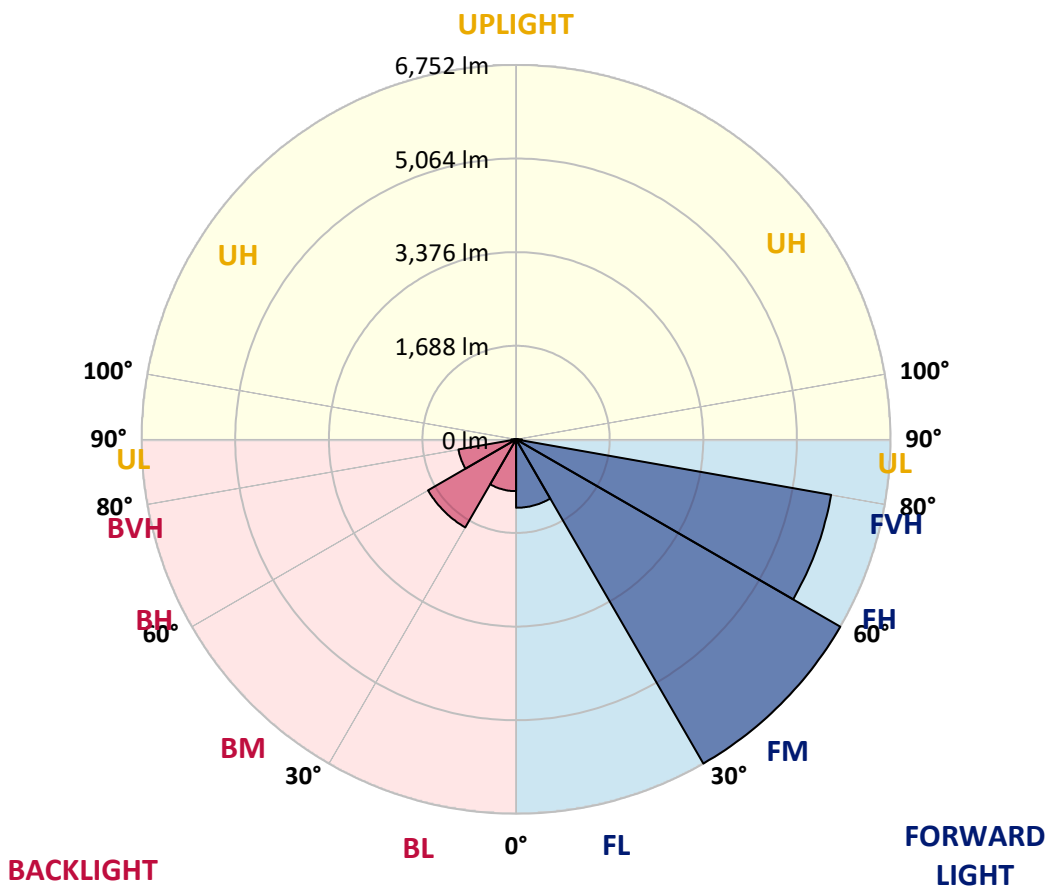
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.2	6.9			
FM (30°-60°)	6752.1	38.0			
FH (60°-80°)	5769.5	32.5			G3/7500
FVH (80°-90°)	105.7	0.6			G2/225
BL (0°-30°)	934.3	5.3	B2/1000		
BM (30°-60°)	1833.8	10.3	B2/2500		
BH (60°-80°)	1054.4	5.9	B3/2500		G3/2500
BVH (80°-90°)	84.0	0.5			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9
2.5°	2171.5	2168.9	2167.6	2175.3	2172.7	2171.5	2171.5	2170.2	2167.6	2157.5	2143.5
5°	2231.3	2226.2	2221.1	2227.5	2222.4	2217.3	2216.0	2213.5	2204.6	2189.3	2167.6
7.5°	2293.7	2288.6	2289.8	2293.7	2289.8	2287.3	2283.5	2280.9	2266.9	2242.7	2213.5
10°	2381.5	2381.5	2384.0	2387.8	2389.1	2385.3	2377.7	2373.8	2357.3	2326.7	2286.0
12.5°	2508.8	2506.2	2506.2	2503.7	2507.5	2503.7	2496.0	2489.7	2469.3	2429.8	2371.3
15°	2676.8	2666.6	2657.7	2641.1	2636.0	2622.0	2624.6	2620.8	2601.7	2548.2	2474.4
17.5°	2856.2	2855.0	2841.0	2807.9	2774.8	2751.9	2757.0	2755.7	2745.5	2673.0	2578.8
20°	3014.1	3020.4	3007.7	2982.3	2937.7	2894.4	2891.9	2898.2	2885.5	2813.0	2681.9
22.5°	3191.0	3185.9	3173.2	3140.1	3107.0	3061.2	3045.9	3040.8	3035.7	2953.0	2787.5
25°	3359.0	3374.3	3357.7	3327.2	3276.3	3226.6	3213.9	3219.0	3205.0	3095.5	2900.8
27.5°	3571.6	3577.9	3567.8	3525.8	3482.5	3412.5	3388.3	3388.3	3383.2	3229.2	2989.9
30°	3798.1	3816.0	3798.1	3763.8	3719.2	3618.7	3566.5	3561.4	3546.1	3366.7	3094.3
32.5°	4026.0	4038.7	4026.0	3992.9	3942.0	3854.1	3779.1	3767.6	3747.2	3516.8	3201.2
35°	4228.4	4239.8	4237.3	4244.9	4202.9	4092.2	4046.3	4041.3	3987.8	3712.9	3346.3
37.5°	4449.8	4463.8	4444.7	4460.0	4443.5	4339.1	4325.1	4299.6	4223.3	3897.4	3499.0
40°	4701.9	4714.6	4684.0	4690.4	4671.3	4612.8	4541.5	4507.1	4393.8	4097.3	3739.6
42.5°	4971.7	5001.0	5015.0	5003.5	4959.0	4925.9	4801.1	4757.9	4663.7	4457.5	4135.4
45°	5362.5	5405.7	5426.1	5396.8	5377.7	5330.6	5177.9	5125.7	5076.1	4965.3	4687.9
47.5°	5783.8	5823.2	5888.1	5900.9	5916.1	5880.5	5665.4	5614.5	5623.4	5610.7	5367.6
50°	6119.8	6152.9	6299.3	6455.8	6585.7	6595.8	6320.9	6266.2	6314.5	6355.3	6186.0
52.5°	6364.2	6393.5	6586.9	6910.2	7204.3	7421.9	7125.3	7063.0	7102.4	7194.1	7116.4
55°	6562.7	6603.5	6805.9	7302.3	7896.7	8240.3	8050.7	7971.8	7955.2	8068.5	8113.1
57.5°	6667.1	6679.8	6963.7	7609.0	8404.5	9043.5	9126.2	9037.1	8879.3	8941.7	9173.3
60°	6429.1	6450.7	6839.0	7687.9	8805.5	9840.3	10255.2	10181.4	9845.4	9879.8	10135.6
62.5°	5771.0	5801.6	6268.7	7312.4	8838.6	10372.3	11297.7	11250.6	10800.0	10614.2	10690.6
65°	4629.3	4639.5	5123.2	6383.3	8180.5	10438.5	12024.5	12013.0	11467.0	11031.7	10704.6
67.5°	2639.9	2622.0	3268.6	4552.9	6751.1	9578.1	12071.6	12139.0	11683.4	10962.9	9813.6
70°	1144.3	1146.8	1444.7	2246.6	4369.6	7741.4	11212.4	11328.2	11057.1	9818.7	7807.6
72.5°	529.5	537.1	665.7	972.4	1866.0	4802.4	9142.8	9247.2	9014.2	7858.5	5680.7
75°	374.2	380.6	444.2	557.5	857.9	1871.1	6116.0	6334.9	6448.2	5878.0	3743.4
77.5°	283.8	292.8	324.6	386.9	529.5	663.1	2926.3	3448.1	4107.4	3656.9	1928.3
80°	180.7	180.7	215.1	258.4	323.3	344.9	845.2	1001.7	2009.8	1507.0	757.3
82.5°	122.2	126.0	146.4	164.2	185.8	196.0	362.8	386.9	580.4	513.0	311.8
85°	64.9	67.5	76.4	75.1	89.1	77.6	152.7	151.5	212.6	232.9	118.4
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	16.5	17.8	44.5	71.3	39.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9	2140.9
2.5°	2151.1	2135.8	2143.5	2140.9	2148.5	2148.5	2134.5	2130.7	2132.0	2116.7	2111.6
5°	2170.2	2152.4	2156.2	2151.1	2158.7	2165.1	2158.7	2158.7	2166.4	2154.9	2148.5
7.5°	2213.5	2193.1	2193.1	2186.7	2195.6	2200.7	2195.6	2203.3	2217.3	2205.8	2199.5
10°	2282.2	2258.0	2259.3	2251.6	2255.5	2252.9	2232.6	2226.2	2230.0	2219.8	2214.7
12.5°	2371.3	2338.2	2338.2	2322.9	2314.0	2287.3	2245.3	2230.0	2232.6	2223.6	2219.8
15°	2456.6	2426.0	2419.7	2389.1	2348.4	2298.7	2260.6	2250.4	2252.9	2244.0	2237.6
17.5°	2557.1	2517.7	2494.8	2438.8	2363.7	2312.7	2274.6	2250.4	2230.0	2209.6	2204.6
20°	2650.0	2600.4	2558.4	2471.8	2380.2	2310.2	2238.9	2179.1	2129.5	2102.7	2096.4
22.5°	2745.5	2681.9	2608.0	2494.8	2378.9	2264.4	2133.3	2042.9	1969.1	1929.6	1937.3
25°	2835.9	2755.7	2655.1	2516.4	2338.2	2162.5	1984.4	1849.4	1765.4	1734.9	1726.0
27.5°	2911.0	2811.7	2698.4	2506.2	2254.2	2016.2	1780.7	1630.5	1549.0	1514.7	1505.8
30°	2995.0	2883.0	2760.8	2459.1	2121.8	1811.2	1550.3	1428.1	1369.6	1336.5	1337.8
32.5°	3091.7	2974.6	2848.6	2368.7	1952.5	1589.8	1360.7	1276.7	1229.6	1196.5	1191.4
35°	3221.5	3105.7	2907.2	2232.6	1737.4	1386.1	1230.8	1162.1	1103.5	1060.3	1051.4
37.5°	3381.9	3303.0	2913.5	2050.5	1507.0	1246.1	1137.9	1064.1	992.8	935.5	929.2
40°	3656.9	3566.5	2861.3	1822.7	1311.0	1155.7	1060.3	975.0	892.3	828.6	819.7
42.5°	4048.9	3863.1	2749.3	1565.6	1163.4	1084.5	986.4	878.3	794.2	749.7	743.3
45°	4547.8	4194.0	2581.3	1323.7	1053.9	1014.5	908.8	795.5	751.0	719.2	712.8
47.5°	5158.8	4579.7	2387.8	1135.4	968.6	950.8	829.9	767.5	728.1	701.3	695.0
50°	5889.4	5071.0	2228.7	987.7	892.3	877.0	804.4	751.0	719.2	697.5	692.4
52.5°	6723.1	5617.0	2151.1	882.1	826.1	810.8	795.5	747.2	720.4	703.9	697.5
55°	7588.7	6192.3	2078.5	800.6	770.1	779.0	796.8	759.9	739.5	717.9	711.5
57.5°	8424.9	6732.0	1900.3	737.0	729.3	763.7	803.2	772.6	748.4	726.8	719.2
60°	9001.5	7027.3	1598.7	686.1	698.8	744.6	786.6	753.5	723.0	714.1	710.2
62.5°	9156.8	6991.7	1241.0	633.9	661.9	702.6	743.3	721.7	689.9	703.9	705.2
65°	8794.0	6609.8	931.7	583.0	613.5	647.9	698.8	689.9	678.4	716.6	717.9
67.5°	7766.8	5671.8	710.2	538.4	563.9	605.9	684.8	721.7	724.2	772.6	767.5
70°	5876.7	4237.3	556.2	496.4	525.7	605.9	729.3	745.9	715.3	759.9	749.7
72.5°	4062.9	2796.4	473.5	459.5	478.6	577.9	728.1	728.1	695.0	695.0	675.9
75°	2524.0	1644.5	412.4	412.4	412.4	505.3	707.7	670.8	612.2	585.5	570.2
77.5°	1246.1	799.3	346.2	358.9	344.9	422.6	577.9	548.6	513.0	485.0	474.8
80°	532.0	399.7	280.0	294.0	277.5	318.2	458.2	451.9	417.5	380.6	369.1
82.5°	244.4	206.2	224.0	230.4	202.4	239.3	334.8	334.8	315.7	264.7	245.7
85°	104.4	109.5	155.3	155.3	127.3	134.9	179.5	170.6	152.7	124.7	114.6
87.5°	35.6	53.5	78.9	68.7	26.7	11.5	6.4	2.5	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)