

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: P635419

Luminaire Tested: GWS-SA3D-760-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635419
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-SA3D-760-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17766.8 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

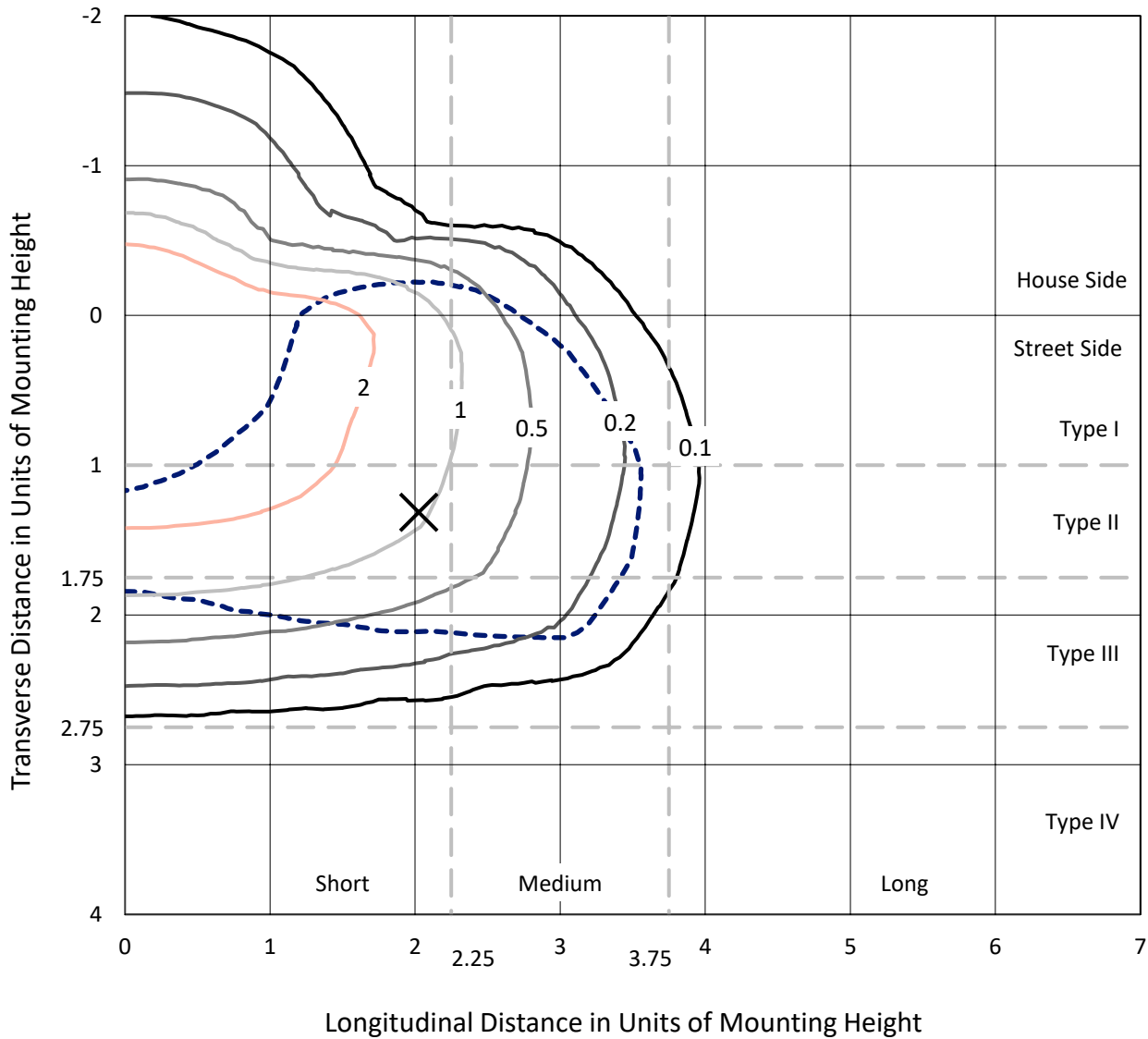
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

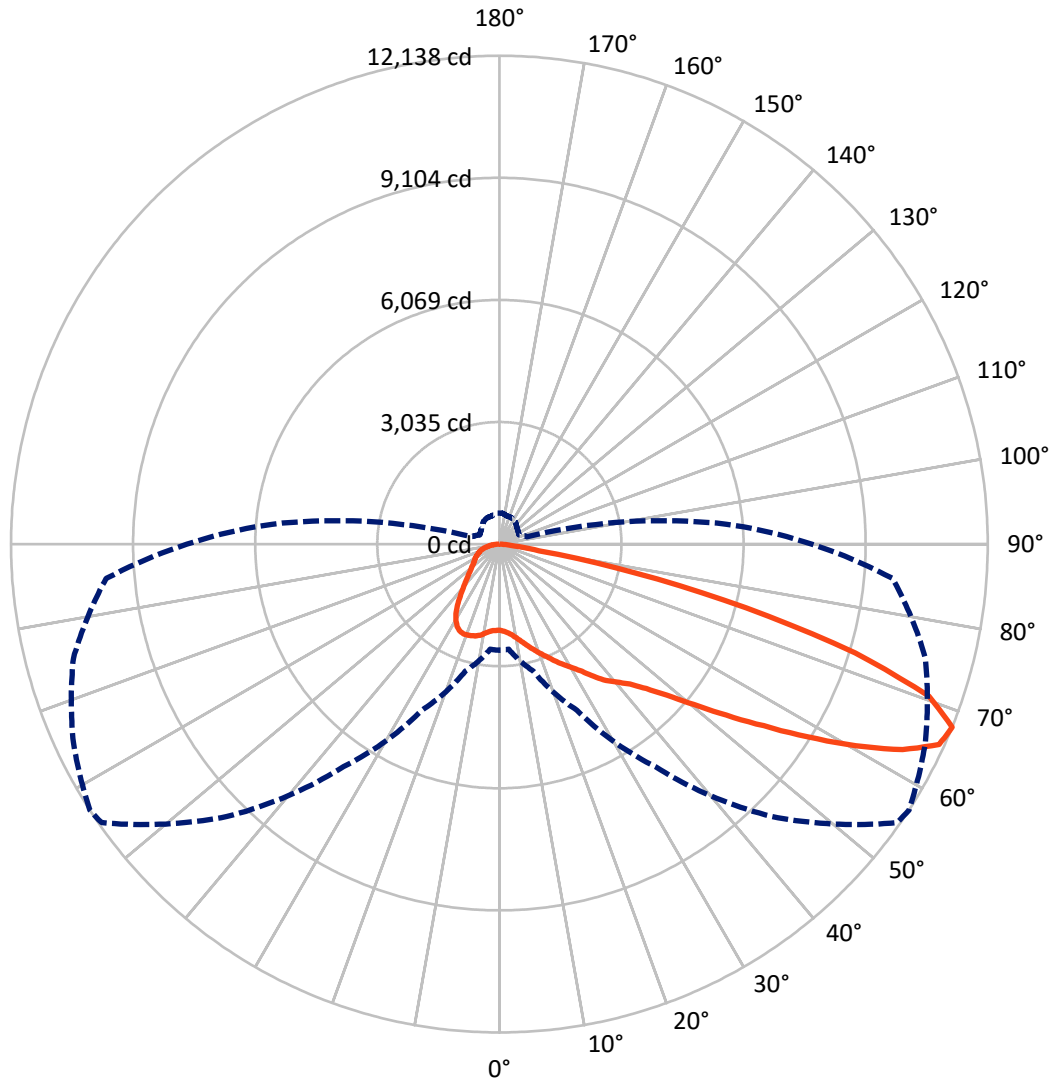
✕ Max cd
 - - - 1/2 Max cd



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	3906.2	0.0	3906.2
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13860.6	0.0	13860.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	17766.8	0.0	17766.8
	% 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°	1253.1	7.1
30°-40°	1821.9	10.3
40°-50°	2636.9	14.8
50°-60°	4126.6	23.2
60°-70°	4813.9	27.1
70°-80°	2009.5	11.3
80°-90°	189.6	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°	17766.8	100.0
0°-180°	17766.8	100.0

Coefficient of Utilization



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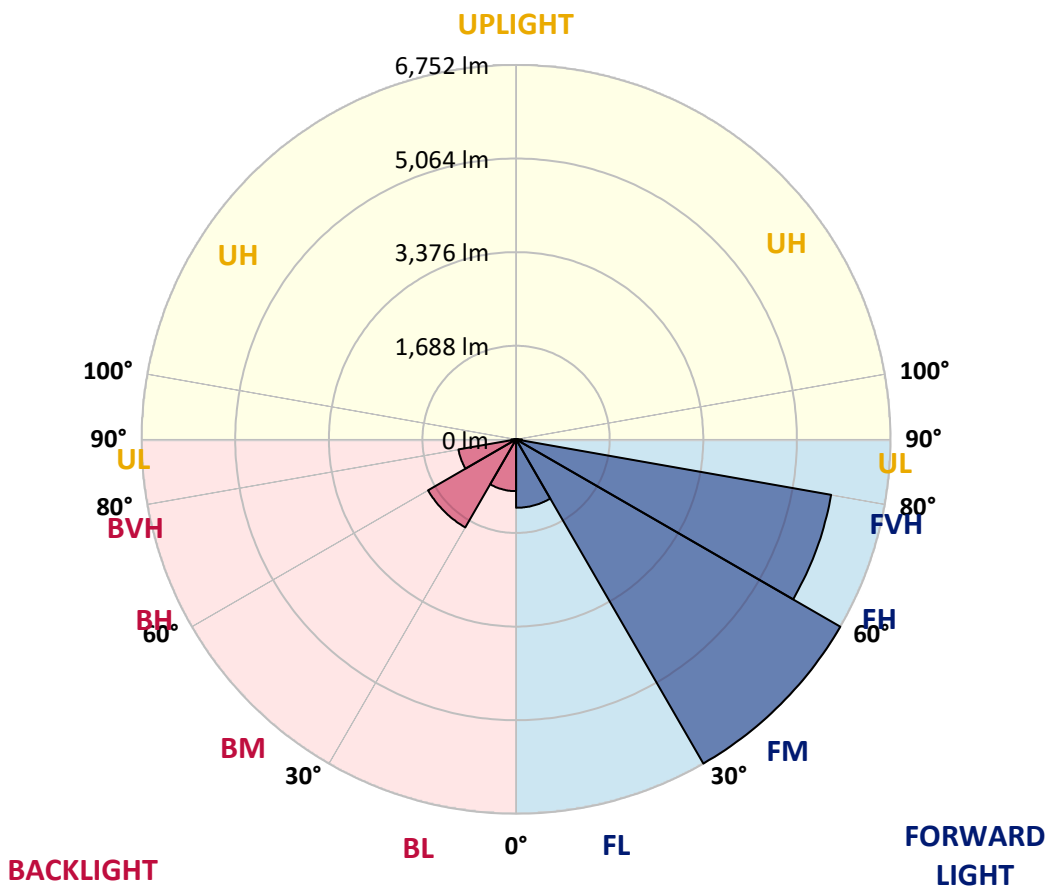
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.1	6.9			
FM (30°-60°)	6751.6	38.0			
FH (60°-80°)	5769.2	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°)	1833.7	10.3	B2/2500		
BH (60°-80°)	1054.3	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°	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8
2.5°	2171.3	2168.8	2167.5	2175.1	2172.6	2171.3	2171.3	2170.1	2167.5	2157.3	2143.3
5°	2231.1	2226.1	2221.0	2227.3	2222.2	2217.1	2215.9	2213.3	2204.4	2189.1	2167.5
7.5°	2293.5	2288.4	2289.7	2293.5	2289.7	2287.1	2283.3	2280.8	2266.8	2242.6	2213.3
10°	2381.3	2381.3	2383.9	2387.7	2389.0	2385.1	2377.5	2373.7	2357.1	2326.6	2285.9
12.5°	2508.6	2506.1	2506.1	2503.5	2507.3	2503.5	2495.9	2489.5	2469.1	2429.7	2371.1
15°	2676.6	2666.4	2657.5	2641.0	2635.9	2621.9	2624.4	2620.6	2601.5	2548.1	2474.2
17.5°	2856.1	2854.8	2840.8	2807.7	2774.6	2751.7	2756.8	2755.5	2745.3	2672.8	2578.6
20°	3013.9	3020.3	3007.5	2982.1	2937.5	2894.3	2891.7	2898.1	2885.3	2812.8	2681.7
22.5°	3190.8	3185.7	3173.0	3139.9	3106.8	3061.0	3045.7	3040.6	3035.5	2952.8	2787.3
25°	3358.8	3374.1	3357.5	3327.0	3276.1	3226.4	3213.7	3218.8	3204.8	3095.3	2900.6
27.5°	3571.4	3577.7	3567.5	3525.5	3482.3	3412.3	3388.1	3388.1	3383.0	3229.0	2989.7
30°	3797.9	3815.7	3797.9	3763.5	3719.0	3618.5	3566.3	3561.2	3545.9	3366.4	3094.1
32.5°	4025.7	4038.5	4025.7	3992.6	3941.7	3853.9	3778.8	3767.4	3747.0	3516.6	3201.0
35°	4228.1	4239.6	4237.0	4244.6	4202.6	4091.9	4046.1	4041.0	3987.5	3712.6	3346.1
37.5°	4449.6	4463.6	4444.5	4459.7	4443.2	4338.8	4324.8	4299.4	4223.0	3897.2	3498.8
40°	4701.6	4714.3	4683.7	4690.1	4671.0	4612.5	4541.2	4506.8	4393.6	4097.0	3739.4
42.5°	4971.4	5000.7	5014.7	5003.2	4958.7	4925.6	4800.8	4757.6	4663.4	4457.2	4135.2
45°	5362.1	5405.4	5425.8	5396.5	5377.4	5330.3	5177.6	5125.4	5075.8	4965.0	4687.6
47.5°	5783.4	5822.9	5887.8	5900.5	5915.8	5880.1	5665.0	5614.1	5623.0	5610.3	5367.2
50°	6119.4	6152.5	6298.9	6455.4	6585.2	6595.4	6320.5	6265.8	6314.2	6354.9	6185.6
52.5°	6363.8	6393.1	6586.5	6909.8	7203.8	7421.5	7124.9	7062.5	7102.0	7193.6	7116.0
55°	6562.3	6603.1	6805.4	7301.8	7896.2	8239.8	8050.2	7971.3	7954.7	8068.0	8112.6
57.5°	6666.7	6679.4	6963.3	7608.5	8404.0	9042.9	9125.7	9036.6	8878.8	8941.1	9172.8
60°	6428.7	6450.3	6838.5	7687.5	8804.9	9839.7	10254.6	10180.8	9844.8	9879.1	10135.0
62.5°	5770.7	5801.2	6268.3	7312.0	8838.0	10371.7	11297.0	11249.9	10799.3	10613.5	10689.9
65°	4629.0	4639.2	5122.8	6382.9	8180.0	10437.9	12023.7	12012.3	11466.3	11031.0	10703.9
67.5°	2639.7	2621.9	3268.4	4552.7	6750.7	9577.5	12070.8	12138.3	11682.6	10962.3	9813.0
70°	1144.2	1146.8	1444.6	2246.4	4369.4	7740.9	11211.7	11327.5	11056.4	9818.1	7807.1
72.5°	529.5	537.1	665.7	972.4	1865.9	4802.1	9142.2	9246.6	9013.7	7858.0	5680.3
75°	374.2	380.6	444.2	557.5	857.8	1871.0	6115.6	6334.5	6447.8	5877.6	3743.2
77.5°	283.8	292.7	324.6	386.9	529.5	663.1	2926.1	3447.9	4107.2	3656.6	1928.2
80°	180.7	180.7	215.1	258.4	323.3	344.9	845.1	1001.7	2009.7	1506.9	757.3
82.5°	122.2	126.0	146.4	164.2	185.8	196.0	362.7	386.9	580.4	512.9	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°	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8	2140.8
2.5°	2151.0	2135.7	2143.3	2140.8	2148.4	2148.4	2134.4	2130.6	2131.9	2116.6	2111.5
5°	2170.1	2152.2	2156.1	2151.0	2158.6	2165.0	2158.6	2158.6	2166.2	2154.8	2148.4
7.5°	2213.3	2193.0	2193.0	2186.6	2195.5	2200.6	2195.5	2203.1	2217.1	2205.7	2199.3
10°	2282.1	2257.9	2259.1	2251.5	2255.3	2252.8	2232.4	2226.1	2229.9	2219.7	2214.6
12.5°	2371.1	2338.1	2338.1	2322.8	2313.9	2287.1	2245.1	2229.9	2232.4	2223.5	2219.7
15°	2456.4	2425.9	2419.5	2389.0	2348.2	2298.6	2260.4	2250.2	2252.8	2243.9	2237.5
17.5°	2557.0	2517.5	2494.6	2438.6	2363.5	2312.6	2274.4	2250.2	2229.9	2209.5	2204.4
20°	2649.9	2600.2	2558.2	2471.7	2380.1	2310.1	2238.8	2179.0	2129.3	2102.6	2096.2
22.5°	2745.3	2681.7	2607.9	2494.6	2378.8	2264.2	2133.1	2042.8	1969.0	1929.5	1937.1
25°	2835.7	2755.5	2655.0	2516.2	2338.1	2162.4	1984.2	1849.3	1765.3	1734.8	1725.9
27.5°	2910.8	2811.5	2698.2	2506.1	2254.1	2016.0	1780.6	1630.4	1548.9	1514.6	1505.7
30°	2994.8	2882.8	2760.6	2459.0	2121.7	1811.1	1550.2	1428.0	1369.5	1336.4	1337.7
32.5°	3091.5	2974.4	2848.4	2368.6	1952.4	1589.7	1360.6	1276.6	1229.5	1196.4	1191.3
35°	3221.3	3105.5	2907.0	2232.4	1737.3	1386.0	1230.8	1162.0	1103.5	1060.2	1051.3
37.5°	3381.7	3302.8	2913.3	2050.4	1506.9	1246.0	1137.8	1064.0	992.8	935.5	929.1
40°	3656.6	3566.3	2861.2	1822.6	1310.9	1155.7	1060.2	974.9	892.2	828.6	819.7
42.5°	4048.6	3862.8	2749.2	1565.5	1163.3	1084.4	986.4	878.2	794.2	749.7	743.3
45°	4547.6	4193.7	2581.2	1323.7	1053.8	1014.4	908.7	795.5	750.9	719.1	712.7
47.5°	5158.5	4579.4	2387.7	1135.3	968.6	950.7	829.8	767.5	728.0	701.3	694.9
50°	5889.0	5070.7	2228.6	987.7	892.2	876.9	804.4	750.9	719.1	697.5	692.4
52.5°	6722.7	5616.7	2151.0	882.0	826.0	810.7	795.5	747.1	720.4	703.8	697.5
55°	7588.2	6192.0	2078.4	800.6	770.0	778.9	796.7	759.8	739.5	717.8	711.5
57.5°	8424.4	6731.6	1900.2	736.9	729.3	763.7	803.1	772.6	748.4	726.7	719.1
60°	9000.9	7026.9	1598.6	686.0	698.7	744.6	786.6	753.5	722.9	714.0	710.2
62.5°	9156.2	6991.3	1240.9	633.8	661.8	702.6	743.3	721.7	689.8	703.8	705.1
65°	8793.5	6609.4	931.7	582.9	613.5	647.8	698.7	689.8	678.4	716.6	717.8
67.5°	7766.4	5671.4	710.2	538.4	563.8	605.8	684.7	721.7	724.2	772.6	767.5
70°	5876.3	4237.0	556.2	496.4	525.6	605.8	729.3	745.8	715.3	759.8	749.7
72.5°	4062.6	2796.2	473.5	459.5	478.6	577.8	728.0	728.0	694.9	694.9	675.8
75°	2523.9	1644.4	412.4	412.4	412.4	505.3	707.7	670.7	612.2	585.5	570.2
77.5°	1246.0	799.3	346.2	358.9	344.9	422.6	577.8	548.6	512.9	484.9	474.7
80°	532.0	399.6	280.0	294.0	277.5	318.2	458.2	451.8	417.5	380.6	369.1
82.5°	244.4	206.2	224.0	230.4	202.4	239.3	334.7	334.7	315.6	264.7	245.6
85°	104.4	109.5	155.3	155.3	127.3	134.9	179.5	170.5	152.7	124.7	114.5
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)