

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: P642848

Luminaire Tested: GWS-SA6D-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36740.1 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 245.7
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

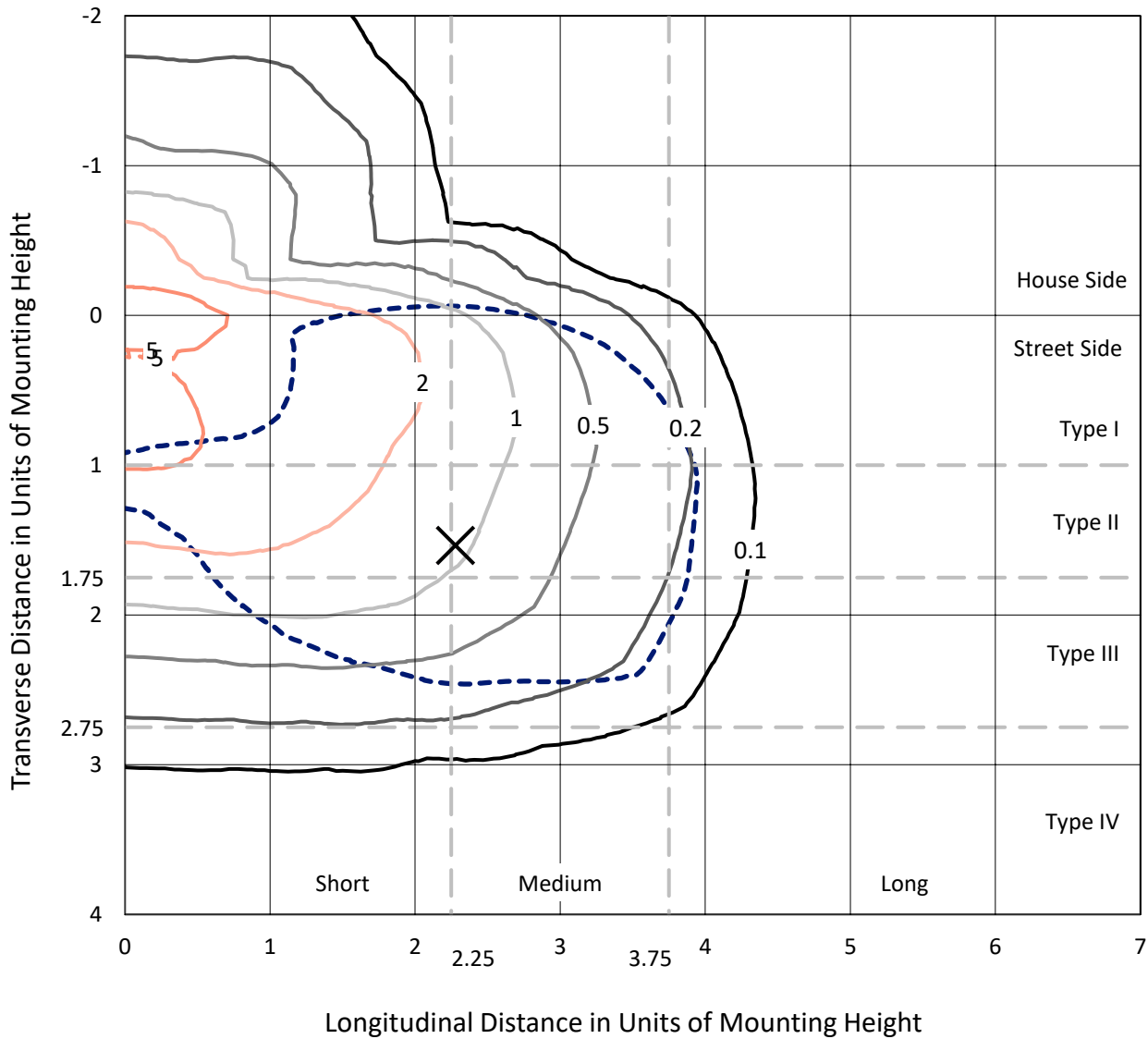


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Iso-Footcandle Lines of Horizontal Illumination

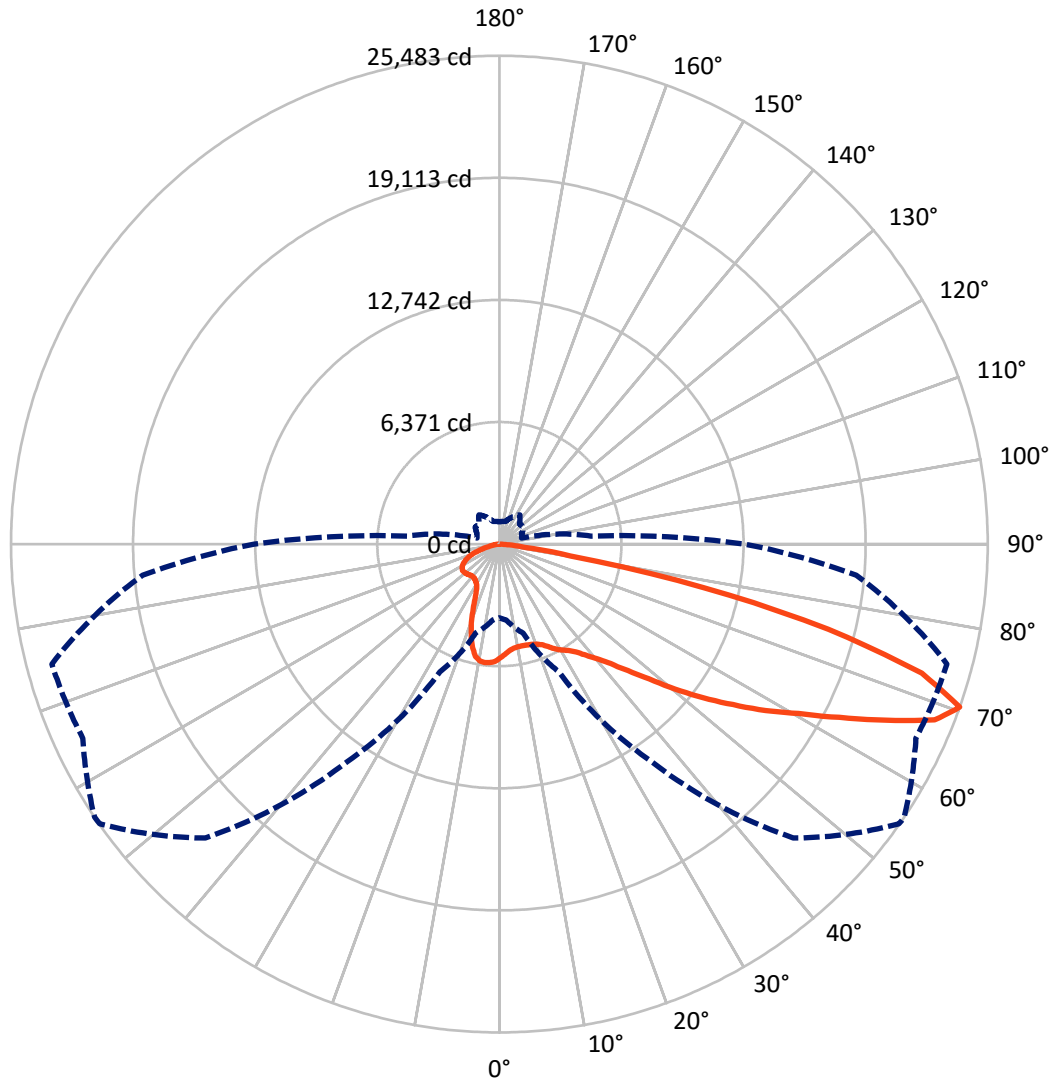
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7063.3	0.0	7063.3
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	29676.8	0.0	29676.8
	% Fixture	80.8	0.0	80.8
Total	Lumens	36740.1	0.0	36740.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.8	1.5
10°-20°	1487.0	4.0
20°-30°	2458.4	6.7
30°-40°	3675.6	10.0
40°-50°	5469.8	14.9
50°-60°	7776.5	21.2
60°-70°	9631.4	26.2
70°-80°	5318.1	14.5
80°-90°	374.5	1.0
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°	36740.1	100.0
0°-180°	36740.1	100.0

Coefficient of Utilization



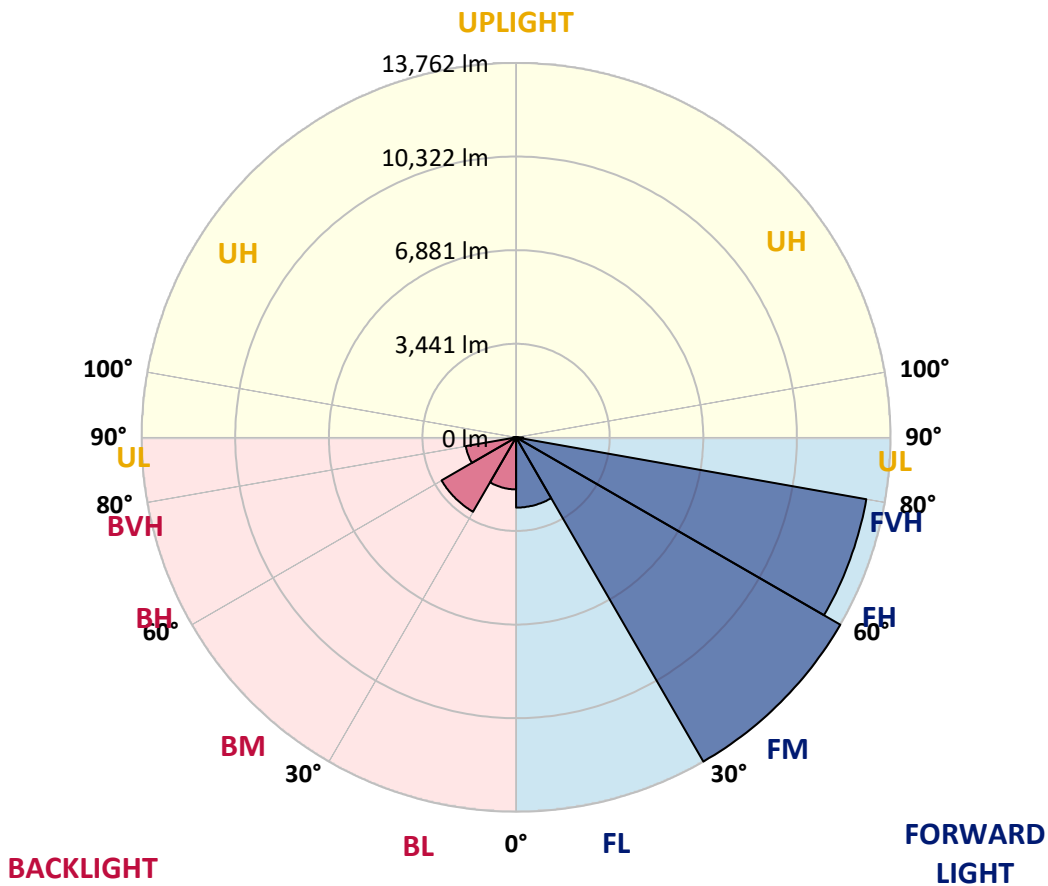
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2582.0	7.0			
FM (30°-60°)	13762.3	37.5			
FH (60°-80°)	13072.2	35.6			G5
FVH (80°-90°)	260.3	0.7			G3/500
BL (0°-30°)	1912.1	5.2	B3/2500		
BM (30°-60°)	3159.6	8.6	B3/5000		
BH (60°-80°)	1877.4	5.1	B3/2500		G3/2500
BVH (80°-90°)	114.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4
2.5°	5549.6	5518.5	5554.7	5572.9	5619.5	5686.9	5746.5	5749.1	5780.1	5855.3	5927.8
5°	5298.3	5282.7	5293.1	5347.5	5396.7	5482.2	5572.9	5580.7	5668.7	5816.4	5961.5
7.5°	5103.9	5083.2	5122.1	5192.0	5254.2	5350.1	5469.2	5479.6	5604.0	5826.8	6049.6
10°	4824.1	4808.6	4881.1	4974.4	5109.1	5267.2	5425.2	5438.2	5601.4	5894.1	6205.0
12.5°	4702.4	4702.4	4733.5	4821.5	4969.2	5179.1	5417.4	5438.2	5642.8	5997.8	6404.5
15°	4891.5	4904.4	4878.5	4873.4	4932.9	5132.4	5427.8	5458.9	5720.6	6104.0	6601.4
17.5°	5272.3	5285.3	5217.9	5111.7	5052.1	5176.5	5466.7	5500.3	5803.5	6220.6	6813.9
20°	5806.1	5821.6	5673.9	5510.7	5306.0	5303.4	5541.8	5572.9	5909.7	6347.5	7039.3
22.5°	6430.4	6440.8	6254.3	5995.2	5681.7	5539.2	5671.3	5702.4	6047.0	6523.7	7282.8
25°	7153.3	7184.4	6959.0	6583.3	6158.4	5863.1	5886.4	5922.6	6293.1	6759.5	7570.4
27.5°	7925.4	7964.2	7705.1	7290.6	6705.1	6220.6	6163.6	6194.7	6554.8	6904.6	7723.3
30°	8715.6	8744.1	8485.0	8010.9	7293.2	6624.8	6396.8	6414.9	6668.8	6974.5	7878.7
32.5°	9593.9	9570.5	9321.8	8775.2	7972.0	7109.2	6614.4	6609.2	6795.8	7114.4	8101.5
35°	10417.7	10451.4	10187.2	9583.5	8718.2	7707.7	6940.8	6920.1	7065.2	7342.4	8415.0
37.5°	11415.2	11404.8	11088.8	10435.9	9466.9	8280.3	7399.4	7363.1	7415.0	7697.4	8852.9
40°	12127.7	12200.2	11995.6	11386.7	10342.6	8985.0	7935.7	7855.4	7868.4	8135.2	9438.4
42.5°	12710.6	12778.0	12798.7	12410.1	11345.3	9855.5	8604.2	8523.8	8531.6	8909.9	10158.7
45°	13158.8	13249.5	13542.3	13428.3	12474.9	10860.8	9508.4	9425.5	9430.6	9850.3	11029.2
47.5°	13342.8	13441.2	14034.5	14306.6	13674.4	12062.9	10632.8	10511.0	10529.1	10992.9	12024.1
50°	13283.2	13415.3	14218.5	14982.8	14679.7	13285.8	11977.4	11891.9	11822.0	12495.6	13104.4
52.5°	12770.2	12915.3	14200.4	15412.9	15501.0	14441.3	13366.1	13316.9	13301.3	14091.5	14311.8
55°	11259.8	11503.3	13576.0	15526.9	16143.5	15529.5	14871.4	14788.5	14868.8	15801.5	15532.0
57.5°	10422.9	10604.3	12353.1	15399.9	16669.4	16565.8	16374.1	16381.8	16472.5	17659.1	17011.4
60°	9946.2	10158.7	11674.3	15052.7	17174.6	17824.9	17946.7	17946.7	18109.9	19661.8	18514.1
62.5°	9314.0	9529.1	11039.5	14384.3	17641.0	19306.9	19923.5	19915.7	19980.5	21809.6	19983.1
65°	8031.6	8231.1	9764.9	13329.8	17869.0	20939.1	22169.8	22146.4	22016.9	23721.7	20954.7
67.5°	5832.0	6021.1	7479.7	11324.5	17047.7	22255.3	24483.4	24493.7	23719.1	24926.4	21006.5
70°	3844.8	3974.3	4808.6	7355.4	13863.5	21687.9	25452.3	25483.4	23980.8	24175.1	18695.5
72.5°	2399.1	2489.8	3002.8	4386.3	8192.2	17166.9	22965.1	23050.6	21573.9	21244.8	15361.1
75°	1593.4	1655.5	1997.5	2557.2	3790.4	9290.7	17457.0	17731.7	17291.2	16653.9	10702.7
77.5°	958.6	1010.4	1272.1	1624.5	1678.9	3629.8	10189.7	10899.6	10961.8	8694.8	4482.1
80°	437.9	497.4	702.1	927.5	893.8	1264.3	3593.5	3759.3	4435.5	2761.8	1414.6
82.5°	259.1	285.0	466.3	461.2	380.9	614.0	1292.8	1326.5	1127.0	1010.4	603.7
85°	103.6	121.8	196.9	173.6	139.9	199.5	487.1	510.4	489.7	440.4	222.8
87.5°	0.0	0.0	0.0	0.0	2.6	5.2	44.0	46.6	67.4	121.8	67.4
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°	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4	5930.4
2.5°	5974.5	5958.9	6036.6	6096.2	6122.1	6148.0	6124.7	6117.0	6117.0	6065.1	6039.2
5°	6039.2	6047.0	6153.2	6202.5	6202.5	6181.7	6119.5	6075.5	6060.0	5992.6	5974.5
7.5°	6161.0	6194.7	6293.1	6290.5	6218.0	6104.0	5948.6	5829.4	5720.6	5673.9	5645.4
10°	6360.5	6404.5	6471.9	6363.1	6161.0	5860.5	5531.4	5272.3	5116.9	4992.5	4992.5
12.5°	6588.5	6629.9	6617.0	6365.7	5948.6	5386.3	4912.2	4614.3	4396.6	4282.6	4282.6
15°	6816.5	6850.2	6710.3	6246.5	5505.5	4756.8	4238.6	3881.1	3691.9	3585.7	3585.7
17.5°	7047.1	7044.5	6749.1	5971.9	4927.8	4059.8	3552.0	3274.8	3210.0	3191.9	3189.3
20°	7269.9	7210.3	6699.9	5513.3	4256.7	3357.7	3036.5	3054.6	3150.5	3191.9	3197.1
22.5°	7521.2	7373.5	6554.8	4927.8	3495.0	2870.6	2891.4	3041.6	3181.5	3243.7	3251.5
25°	7777.7	7513.4	6311.3	4241.2	2857.7	2691.9	2852.5	3020.9	3179.0	3259.3	3267.0
27.5°	7881.3	7513.4	5896.7	3445.8	2518.3	2616.7	2792.9	2956.1	3122.0	3215.2	3233.4
30°	7966.8	7448.6	5316.4	2728.1	2378.4	2544.2	2697.1	2847.3	3010.5	3124.5	3145.3
32.5°	8086.0	7391.6	4614.3	2292.9	2313.6	2474.2	2580.5	2707.4	2855.1	2930.2	2922.5
35°	8225.9	7303.6	3767.1	2085.6	2259.2	2414.7	2489.8	2564.9	2497.6	2495.0	2502.7
37.5°	8425.4	7225.8	3028.7	1992.4	2222.9	2373.2	2435.4	2274.8	2181.5	2142.6	2127.1
40°	8713.0	7194.7	2388.7	1937.9	2217.8	2370.6	2326.6	2077.8	1950.9	1816.2	1813.6
42.5°	9075.7	7171.4	1974.2	1912.0	2235.9	2430.2	2176.3	1948.3	1686.6	1627.0	1621.9
45°	9542.0	7135.2	1766.9	1906.9	2279.9	2476.8	2160.8	1769.5	1590.8	1564.9	1564.9
47.5°	10104.2	7078.2	1673.7	1906.9	2329.2	2456.1	2114.1	1730.7	1546.7	1575.2	1593.4
50°	10749.4	7005.6	1624.5	1901.7	2378.4	2456.1	2015.7	1722.9	1536.4	1684.0	1743.6
52.5°	11438.5	6922.7	1590.8	1880.9	2412.1	2458.7	2020.8	1748.8	1546.7	1709.9	1759.2
55°	12200.2	6909.8	1544.1	1836.9	2422.4	2391.3	2033.8	1805.8	1562.3	1549.3	1551.9
57.5°	13161.4	7065.2	1510.5	1772.1	2381.0	2254.0	2059.7	1847.3	1544.1	1546.7	1564.9
60°	14166.7	7358.0	1539.0	1709.9	2295.5	2124.5	2077.8	1826.5	1456.0	1414.6	1419.8
62.5°	15021.7	7580.8	1562.3	1681.5	2171.1	2010.5	2059.7	1779.9	1406.8	1396.5	1419.8
65°	15379.2	7396.8	1505.3	1621.9	1989.8	1870.6	2020.8	1720.3	1365.4	1326.5	1329.1
67.5°	14982.8	6534.1	1393.9	1489.7	1785.1	1691.8	1958.7	1642.6	1308.4	1261.7	1251.4
70°	12798.7	4800.8	1202.1	1279.9	1536.4	1482.0	1862.8	1541.5	1217.7	1184.0	1160.7
72.5°	10314.1	3399.2	997.5	1018.2	1204.7	1248.8	1697.0	1414.6	1114.1	1018.2	984.5
75°	7179.2	2134.8	831.7	810.9	870.5	953.4	1323.9	1173.6	961.2	860.2	829.1
77.5°	3088.3	1095.9	650.3	639.9	580.3	660.7	1015.6	979.3	805.7	689.2	671.0
80°	1033.7	634.8	468.9	450.8	386.0	463.8	715.1	782.4	632.2	510.4	479.3
82.5°	518.2	367.9	297.9	269.4	259.1	292.8	422.3	487.1	437.9	352.4	297.9
85°	253.9	209.9	163.2	160.6	134.7	127.0	176.2	207.3	196.9	145.1	137.3
87.5°	93.3	82.9	51.8	41.5	25.9	18.1	10.4	10.4	7.8	7.8	7.8
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)