

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: P642793

Luminaire Tested: GWS-SA6D-750-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642793
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-750-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37250.6 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

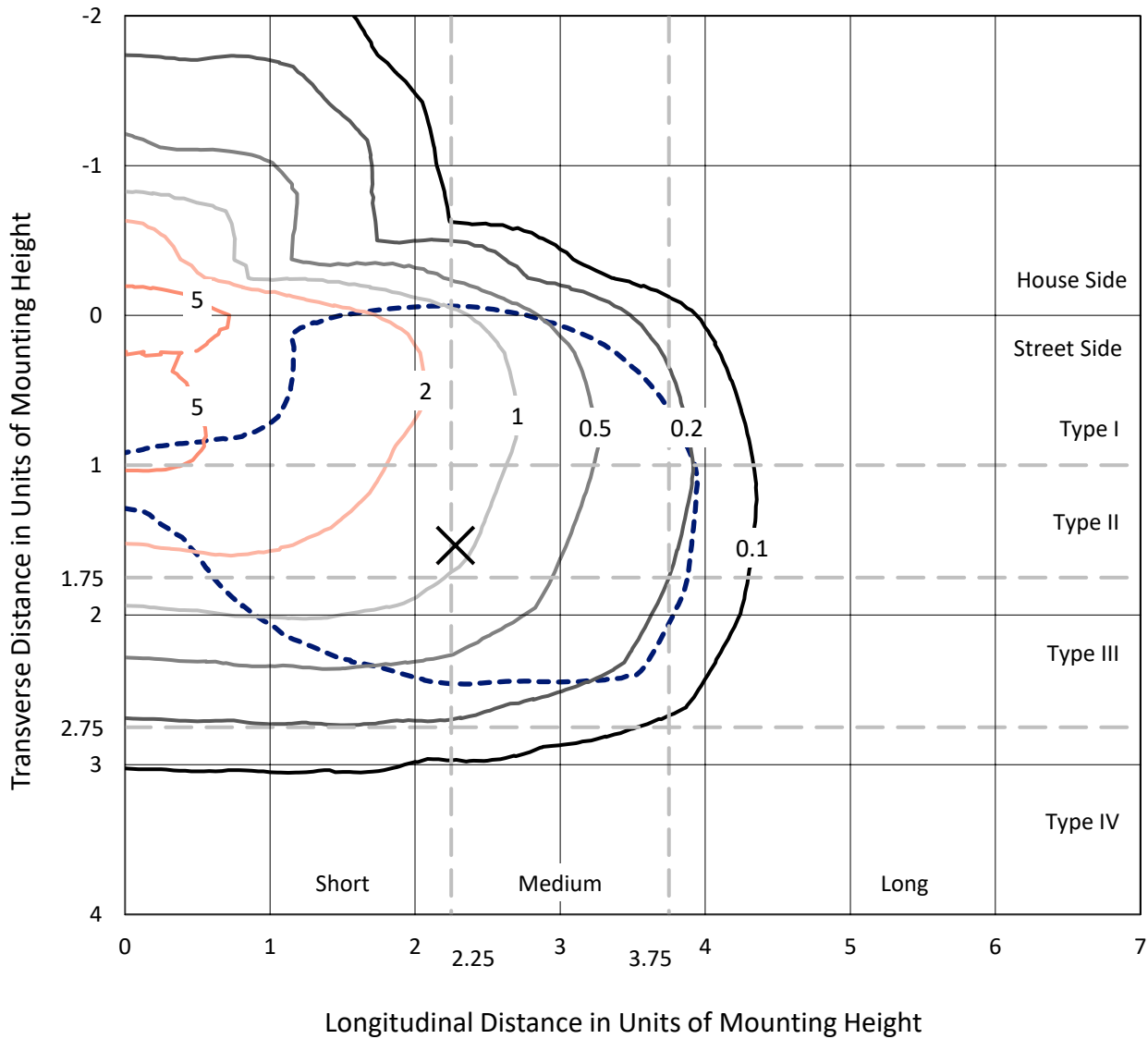
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

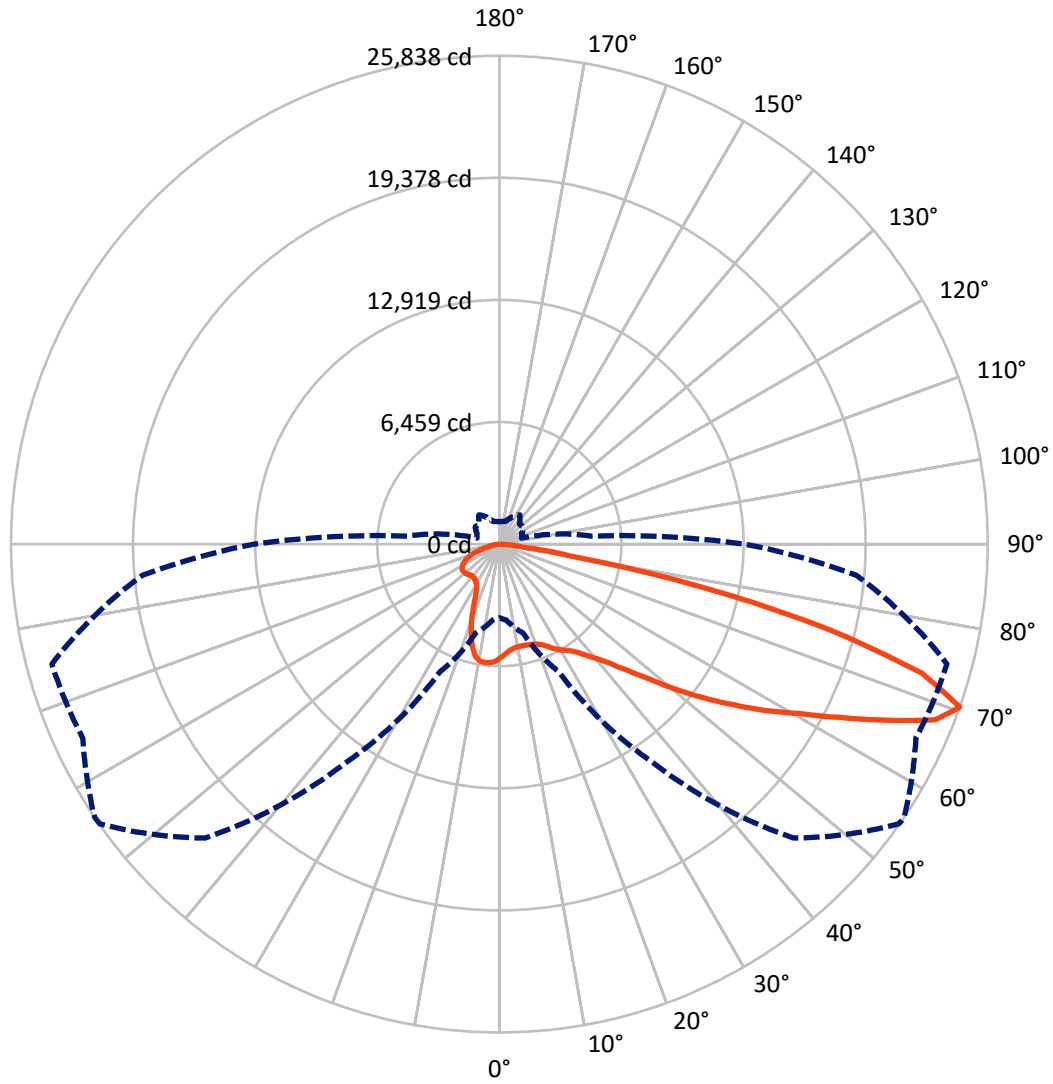
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.9 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	7161.5	0.0	7161.5
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	30089.1	0.0	30089.1
	% Fixture	80.8	0.0	80.8
Total	Lumens	37250.6	0.0	37250.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.4	1.5
10°-20°	1507.6	4.0
20°-30°	2492.5	6.7
30°-40°	3726.7	10.0
40°-50°	5545.8	14.9
50°-60°	7884.5	21.2
60°-70°	9765.2	26.2
70°-80°	5392.0	14.5
80°-90°	379.8	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°	37250.6	100.0
0°-180°	37250.6	100.0

Coefficient of Utilization



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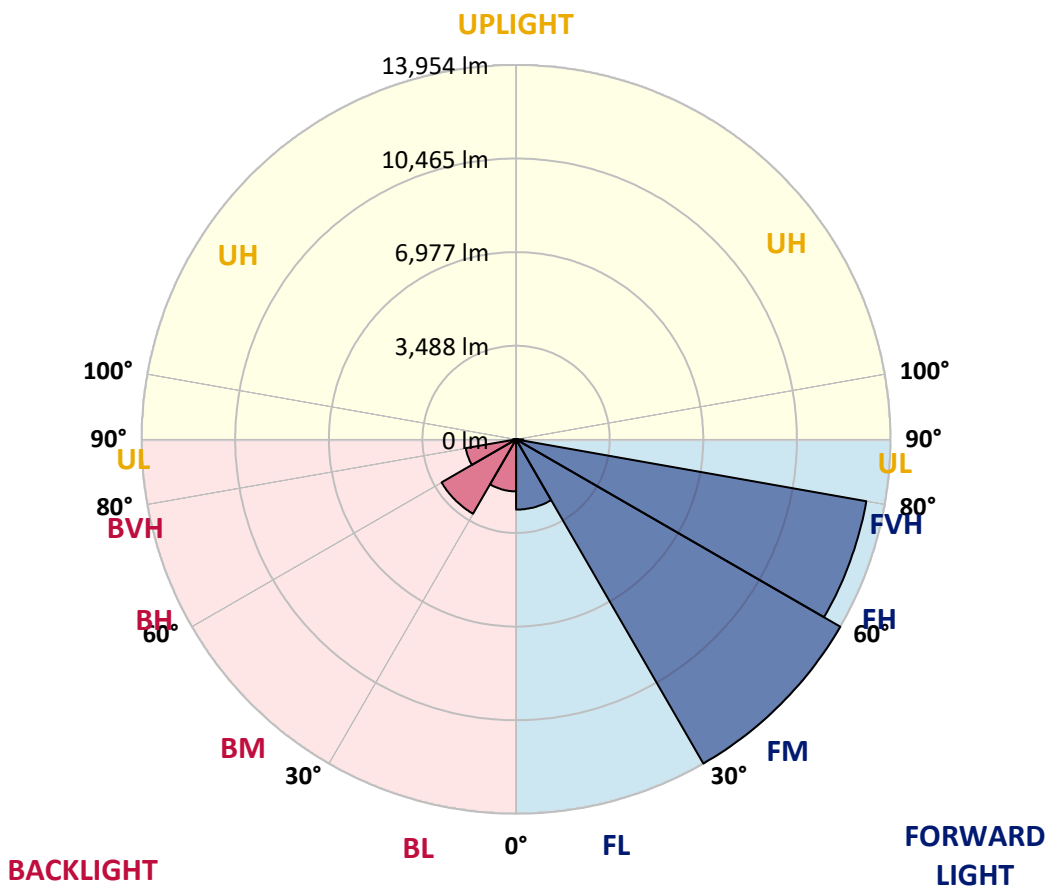
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2617.9	7.0			
FM (30°-60°)	13953.5	37.5			
FH (60°-80°)	13253.8	35.6			G5
FVH (80°-90°)	263.9	0.7			G3/500
BL (0°-30°)	1938.7	5.2	B3/2500		
BM (30°-60°)	3203.5	8.6	B3/5000		
BH (60°-80°)	1903.5	5.1	B3/2500		G3/2500
BVH (80°-90°)	115.9	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°	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8
2.5°	5626.7	5595.2	5631.9	5650.3	5697.6	5765.9	5826.3	5828.9	5860.5	5936.6	6010.2
5°	5371.9	5356.1	5366.6	5421.8	5471.7	5558.4	5650.3	5658.2	5747.5	5897.2	6044.3
7.5°	5174.9	5153.8	5193.2	5264.2	5327.2	5424.4	5545.2	5555.8	5681.8	5907.7	6133.7
10°	4891.2	4875.4	4949.0	5043.5	5180.1	5340.4	5500.6	5513.7	5679.2	5976.0	6291.3
12.5°	4767.7	4767.7	4799.2	4888.5	5038.3	5251.0	5492.7	5513.7	5721.2	6081.1	6493.5
15°	4959.5	4972.6	4946.3	4941.1	5001.5	5203.8	5503.2	5534.7	5800.0	6188.8	6693.2
17.5°	5345.6	5358.7	5290.4	5182.7	5122.3	5248.4	5542.6	5576.8	5884.1	6307.0	6908.6
20°	5886.7	5902.5	5752.8	5587.3	5379.8	5377.1	5618.8	5650.3	5991.8	6435.7	7137.1
22.5°	6519.8	6530.3	6341.2	6078.5	5760.6	5616.2	5750.1	5781.7	6131.0	6614.4	7384.0
25°	7252.7	7284.2	7055.7	6674.8	6244.0	5944.5	5968.2	6004.9	6380.6	6853.4	7675.6
27.5°	8035.5	8074.9	7812.2	7391.9	6798.2	6307.0	6249.2	6280.8	6645.9	7000.5	7830.6
30°	8836.7	8865.6	8602.9	8122.2	7394.5	6716.8	6485.6	6504.0	6761.5	7071.4	7988.2
32.5°	9727.2	9703.5	9451.3	8897.1	8082.8	7208.0	6706.3	6701.0	6890.2	7213.3	8214.1
35°	10562.5	10596.6	10328.7	9716.7	8839.3	7814.8	7037.3	7016.3	7163.4	7444.4	8532.0
37.5°	11573.8	11563.3	11242.8	10580.9	9598.4	8395.4	7502.2	7465.5	7518.0	7804.3	8975.9
40°	12296.2	12369.8	12162.2	11544.9	10486.3	9109.9	8046.0	7964.6	7977.7	8248.3	9569.6
42.5°	12887.2	12955.5	12976.6	12582.5	11502.9	9992.5	8723.7	8642.3	8650.2	9033.7	10299.8
45°	13341.7	13433.6	13730.5	13614.9	12648.2	11011.7	9640.5	9556.4	9561.7	9987.2	11182.4
47.5°	13528.2	13628.0	14229.6	14505.4	13864.4	12230.5	10780.5	10657.1	10675.4	11145.7	12191.1
50°	13467.8	13601.7	14416.1	15191.0	14883.6	13470.4	12143.8	12057.2	11986.2	12669.2	13286.5
52.5°	12947.7	13094.8	14397.7	15627.0	15716.3	14642.0	13551.8	13501.9	13486.2	14287.3	14510.6
55°	11416.2	11663.1	13764.6	15742.6	16367.8	15745.2	15078.0	14994.0	15075.4	16021.1	15747.9
57.5°	10567.7	10751.6	12524.7	15613.9	16901.0	16796.0	16601.6	16609.5	16701.4	17904.5	17247.8
60°	10084.4	10299.8	11836.5	15261.9	17413.3	18072.6	18196.1	18196.1	18361.6	19935.0	18771.3
62.5°	9443.5	9661.5	11192.9	14584.2	17886.1	19575.2	20200.3	20192.5	20258.1	22112.7	20260.8
65°	8143.2	8345.4	9900.5	13515.1	18117.3	21230.1	22477.8	22454.2	22322.8	24051.3	21245.8
67.5°	5913.0	6104.8	7583.7	11481.9	17284.6	22564.5	24823.6	24834.1	24048.7	25272.8	21298.4
70°	3898.2	4029.6	4875.4	7457.6	14056.2	21989.2	25806.0	25837.5	24314.0	24511.0	18955.2
72.5°	2432.4	2524.4	3044.5	4447.2	8306.0	17405.4	23284.2	23370.9	21873.6	21540.0	15574.5
75°	1615.5	1678.5	2025.3	2592.7	3843.1	9419.8	17699.6	17978.0	17531.5	16885.3	10851.4
77.5°	971.9	1024.5	1289.8	1647.0	1702.2	3680.2	10331.3	11051.1	11114.1	8815.7	4544.4
80°	443.9	504.4	711.9	940.4	906.3	1281.9	3643.4	3811.5	4497.1	2800.2	1434.3
82.5°	262.7	289.0	472.8	467.6	386.1	622.6	1310.8	1344.9	1142.7	1024.5	612.1
85°	105.1	123.5	199.6	176.0	141.8	202.3	493.8	517.5	496.5	446.6	225.9
87.5°	0.0	0.0	0.0	0.0	2.6	5.3	44.7	47.3	68.3	123.5	68.3
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°	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8	6012.8
2.5°	6057.5	6041.7	6120.5	6180.9	6207.2	6233.5	6209.8	6202.0	6202.0	6149.4	6123.1
5°	6123.1	6131.0	6238.7	6288.6	6288.6	6267.6	6204.6	6159.9	6144.2	6075.9	6057.5
7.5°	6246.6	6280.8	6380.6	6377.9	6304.4	6188.8	6031.2	5910.4	5800.0	5752.8	5723.9
10°	6448.9	6493.5	6561.8	6451.5	6246.6	5941.9	5608.3	5345.6	5188.0	5061.9	5061.9
12.5°	6680.0	6722.1	6708.9	6454.1	6031.2	5461.2	4980.5	4678.4	4457.7	4342.2	4342.2
15°	6911.2	6945.3	6803.5	6333.3	5582.0	4822.9	4297.5	3935.0	3743.2	3635.5	3635.5
17.5°	7145.0	7142.4	6842.9	6054.8	4996.2	4116.2	3601.4	3320.3	3254.6	3236.3	3233.6
20°	7370.9	7310.5	6793.0	5589.9	4315.9	3404.4	3078.6	3097.0	3194.2	3236.3	3241.5
22.5°	7625.7	7476.0	6645.9	4996.2	3543.6	2910.5	2931.5	3083.9	3225.8	3288.8	3296.7
25°	7885.8	7617.8	6399.0	4300.1	2897.4	2729.3	2892.1	3062.9	3223.1	3304.6	3312.4
27.5°	7990.8	7617.8	5978.7	3493.7	2553.3	2653.1	2831.7	2997.2	3165.3	3259.9	3278.3
30°	8077.5	7552.1	5390.3	2766.1	2411.4	2579.5	2734.5	2886.9	3052.4	3168.0	3189.0
32.5°	8198.3	7494.4	4678.4	2324.7	2345.8	2508.6	2616.3	2745.0	2894.8	2970.9	2963.1
35°	8340.2	7405.0	3819.4	2114.6	2290.6	2448.2	2524.4	2600.6	2532.3	2529.6	2537.5
37.5°	8542.5	7326.2	3070.8	2020.0	2253.8	2406.2	2469.2	2306.4	2211.8	2172.4	2156.6
40°	8834.0	7294.7	2421.9	1964.9	2248.6	2403.6	2358.9	2106.7	1978.0	1841.4	1838.8
42.5°	9201.8	7271.1	2001.6	1938.6	2267.0	2464.0	2206.5	1975.4	1710.1	1649.7	1644.4
45°	9674.6	7234.3	1791.5	1933.3	2311.6	2511.3	2190.8	1794.1	1612.9	1586.6	1586.6
47.5°	10244.6	7176.5	1696.9	1933.3	2361.5	2490.2	2143.5	1754.7	1568.2	1597.1	1615.5
50°	10898.7	7103.0	1647.0	1928.1	2411.4	2490.2	2043.7	1746.8	1557.7	1707.4	1767.9
52.5°	11597.5	7018.9	1612.9	1907.1	2445.6	2492.9	2048.9	1773.1	1568.2	1733.7	1783.6
55°	12369.8	7005.8	1565.6	1862.4	2456.1	2424.6	2062.1	1830.9	1584.0	1570.8	1573.5
57.5°	13344.3	7163.4	1531.4	1796.8	2414.1	2285.3	2088.3	1872.9	1565.6	1568.2	1586.6
60°	14363.5	7460.2	1560.3	1733.7	2327.4	2154.0	2106.7	1851.9	1476.3	1434.3	1439.5
62.5°	15230.4	7686.1	1584.0	1704.8	2201.3	2038.4	2088.3	1804.6	1426.4	1415.9	1439.5
65°	15592.9	7499.6	1526.2	1644.4	2017.4	1896.6	2048.9	1744.2	1384.3	1344.9	1347.6
67.5°	15191.0	6624.9	1413.2	1510.4	1809.9	1715.3	1985.9	1665.4	1326.6	1279.3	1268.8
70°	12976.6	4867.5	1218.9	1297.7	1557.7	1502.5	1888.7	1563.0	1234.6	1200.5	1176.8
72.5°	10457.4	3446.4	1011.3	1032.3	1221.5	1266.1	1720.6	1434.3	1129.5	1032.3	998.2
75°	7279.0	2164.5	843.2	822.2	882.6	966.7	1342.3	1190.0	974.6	872.1	840.6
77.5°	3131.2	1111.2	659.3	648.8	588.4	669.8	1029.7	992.9	816.9	698.7	680.3
80°	1048.1	643.6	475.5	457.1	391.4	470.2	725.0	793.3	640.9	517.5	486.0
82.5°	525.4	373.0	302.1	273.2	262.7	296.8	428.2	493.8	443.9	357.2	302.1
85°	257.4	212.8	165.5	162.9	136.6	128.7	178.6	210.1	199.6	147.1	139.2
87.5°	94.6	84.1	52.5	42.0	26.3	18.4	10.5	10.5	7.9	7.9	7.9
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)