

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: P643284

Luminaire Tested: GWS-SA6E-750-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643284
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-SAGE-750-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45821.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

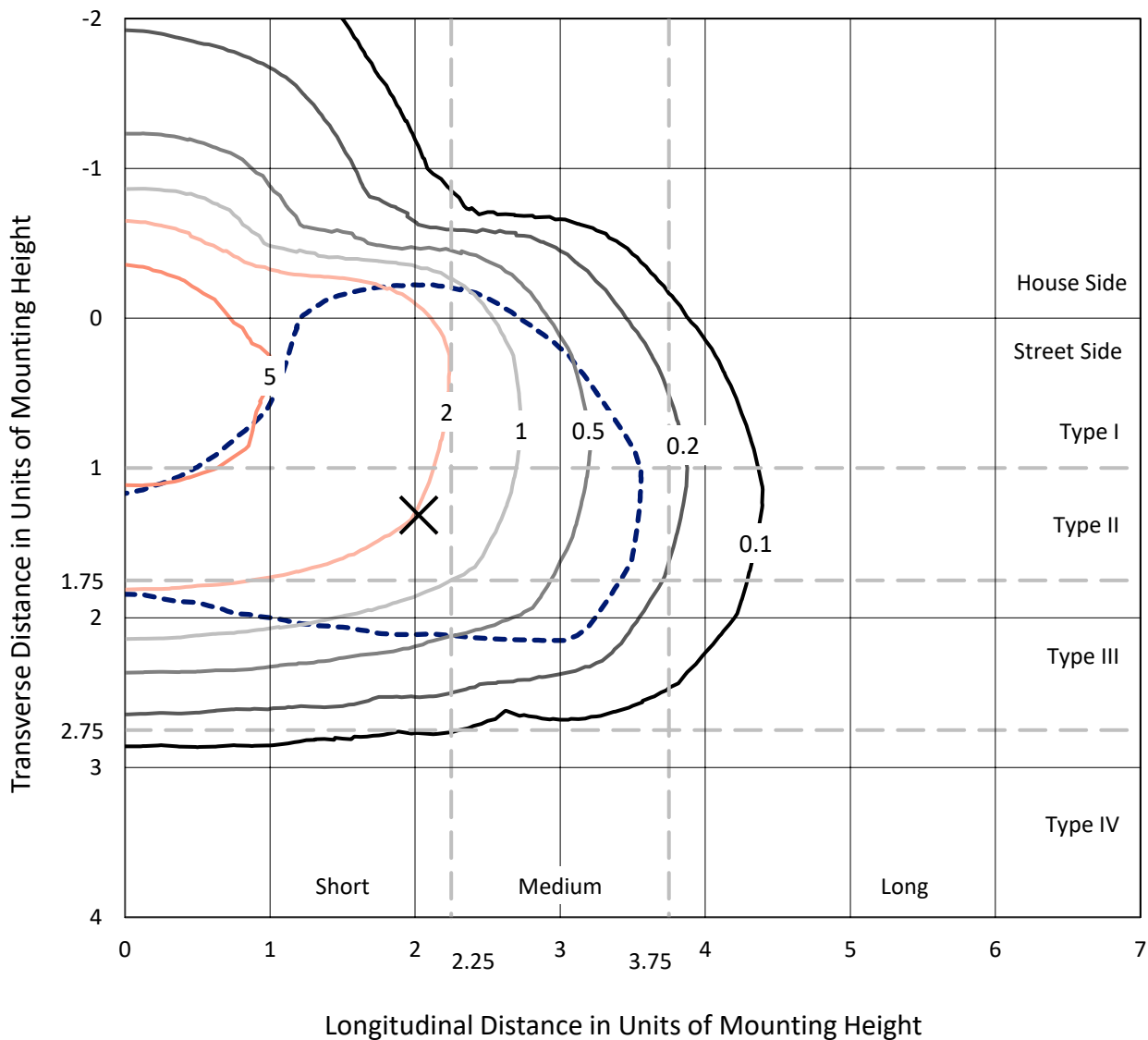
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

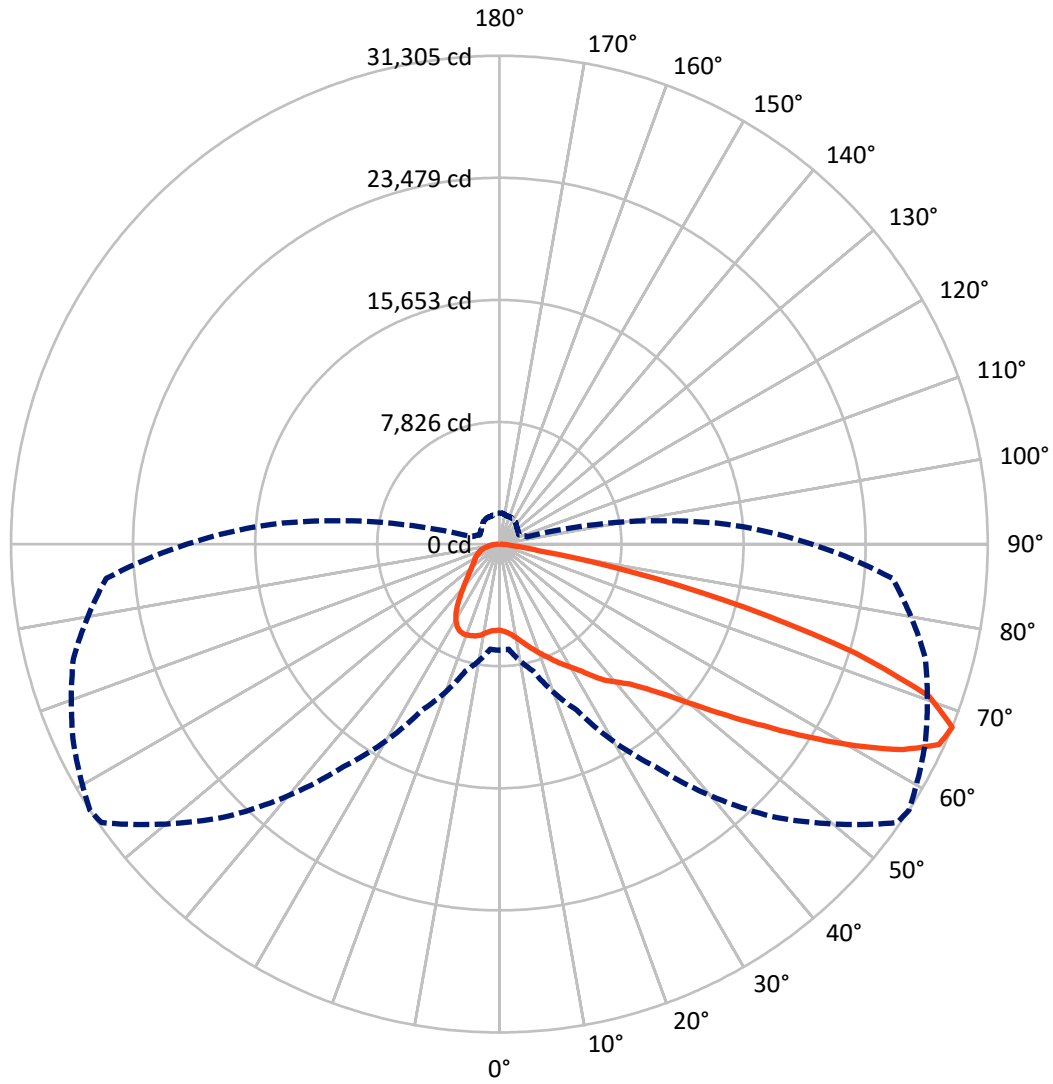
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 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	10074.4	0.0	10074.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	35747.1	0.0	35747.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	45821.5	0.0	45821.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	547.6	1.2
10°-20°	1812.8	4.0
20°-30°	3231.9	7.1
30°-40°	4698.7	10.3
40°-50°	6800.6	14.8
50°-60°	10642.7	23.2
60°-70°	12415.4	27.1
70°-80°	5182.7	11.3
80°-90°	489.1	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°	45821.5	100.0
0°-180°	45821.5	100.0

Coefficient of Utilization



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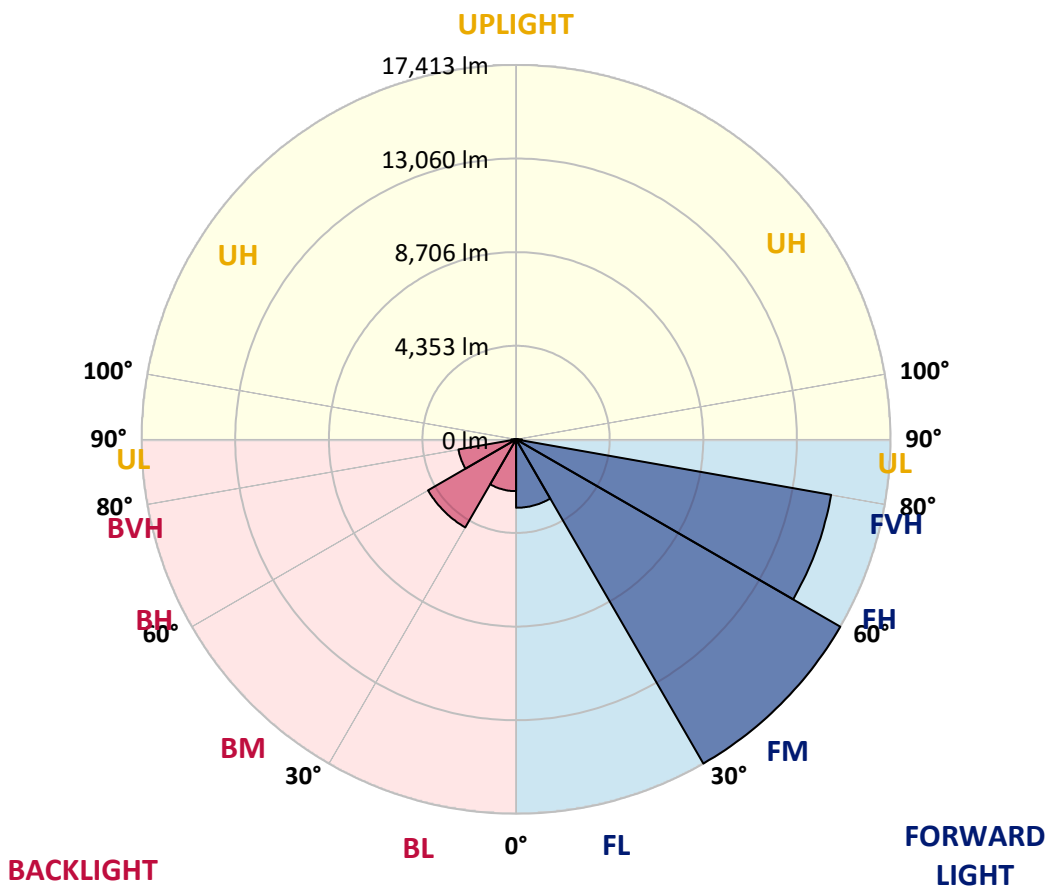
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.8	6.9			
FM (30°-60°)	17412.8	38.0			
FH (60°-80°)	14879.0	32.5			G5
FVH (80°-90°)	272.5	0.6			G3/500
BL (0°-30°)	2409.5	5.3	B3/2500		
BM (30°-60°)	4729.2	10.3	B3/5000		
BH (60°-80°)	2719.1	5.9	B4/5000		G4/5000
BVH (80°-90°)	216.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2
2.5°	5600.0	5593.4	5590.1	5609.8	5603.2	5600.0	5600.0	5596.7	5590.1	5563.9	5527.7
5°	5754.2	5741.1	5728.0	5744.4	5731.3	5718.1	5714.8	5708.3	5685.3	5645.9	5590.1
7.5°	5915.1	5901.9	5905.2	5915.1	5905.2	5898.7	5888.8	5882.3	5846.1	5783.8	5708.3
10°	6141.6	6141.6	6148.1	6158.0	6161.3	6151.4	6131.7	6121.9	6079.2	6000.4	5895.4
12.5°	6469.8	6463.3	6463.3	6456.7	6466.5	6456.7	6437.0	6420.6	6368.1	6266.3	6115.3
15°	6903.1	6876.9	6853.9	6811.2	6798.1	6762.0	6768.5	6758.7	6709.4	6571.6	6381.2
17.5°	7365.9	7362.7	7326.6	7241.2	7155.9	7096.8	7109.9	7106.6	7080.4	6893.3	6650.4
20°	7773.0	7789.4	7756.6	7690.9	7576.0	7464.4	7457.9	7474.3	7441.4	7254.3	6916.2
22.5°	8229.2	8216.1	8183.3	8097.9	8012.6	7894.4	7855.0	7841.9	7828.8	7615.4	7188.7
25°	8662.5	8701.9	8659.3	8580.5	8449.2	8321.2	8288.3	8301.5	8265.4	7983.1	7480.8
27.5°	9210.7	9227.1	9200.9	9092.5	8980.9	8800.4	8738.0	8738.0	8724.9	8327.7	7710.6
30°	9795.0	9841.0	9795.0	9706.4	9591.5	9332.2	9197.6	9184.5	9145.1	8682.2	7979.8
32.5°	10382.6	10415.4	10382.6	10297.2	10165.9	9939.4	9745.8	9716.2	9663.7	9069.6	8255.5
35°	10904.5	10934.0	10927.5	10947.2	10838.8	10553.3	10435.1	10422.0	10284.1	9575.1	8629.7
37.5°	11475.6	11511.8	11462.5	11501.9	11459.2	11190.1	11154.0	11088.3	10891.4	10051.0	9023.6
40°	12125.6	12158.4	12079.6	12096.0	12046.8	11895.8	11712.0	11623.4	11331.2	10566.4	9644.0
42.5°	12821.5	12897.0	12933.1	12903.5	12788.7	12703.3	12381.6	12270.0	12027.1	11495.3	10664.9
45°	13829.2	13940.8	13993.3	13917.8	13868.6	13747.1	13353.2	13218.7	13090.6	12805.1	12089.5
47.5°	14915.7	15017.5	15184.9	15217.7	15257.1	15165.2	14610.4	14479.1	14502.1	14469.3	13842.3
50°	15782.3	15867.6	16245.1	16648.9	16983.7	17010.0	16300.9	16159.8	16284.5	16389.6	15953.0
52.5°	16412.5	16488.0	16987.0	17820.7	18579.0	19140.3	18375.5	18214.6	18316.4	18552.7	18352.5
55°	16924.6	17029.7	17551.6	18831.7	20364.7	21251.0	20761.9	20558.3	20515.7	20807.8	20922.7
57.5°	17193.8	17226.6	17958.6	19622.8	21674.4	23322.2	23535.6	23305.8	22898.8	23059.6	23657.0
60°	16579.9	16635.8	17636.9	19826.3	22708.4	25377.1	26447.2	26256.8	25390.2	25478.8	26138.6
62.5°	14882.9	14961.7	16166.4	18858.0	22793.7	26749.2	29135.5	29014.1	27852.1	27372.8	27569.8
65°	11938.5	11964.7	13212.1	16461.8	21096.7	26919.8	31009.9	30980.3	29572.1	28449.5	27605.9
67.5°	6807.9	6762.0	8429.5	11741.5	17410.4	24700.9	31131.3	31305.3	30130.1	28272.2	25308.1
70°	2951.0	2957.5	3725.6	5793.6	11268.9	19964.2	28915.6	29214.3	28515.1	25321.3	20134.9
72.5°	1365.5	1385.2	1716.8	2507.8	4812.2	12384.9	23578.3	23847.4	23246.7	20266.2	14649.8
75°	965.1	981.5	1145.6	1437.7	2212.4	4825.3	15772.5	16337.0	16629.2	15158.6	9653.9
77.5°	732.0	755.0	837.0	997.9	1365.5	1710.2	7546.5	8892.3	10592.7	9430.6	4973.0
80°	466.1	466.1	554.7	666.3	833.8	889.6	2179.6	2583.3	5183.1	3886.5	1953.1
82.5°	315.1	325.0	377.5	423.4	479.2	505.5	935.5	997.9	1496.8	1322.9	804.2
85°	167.4	174.0	197.0	193.7	229.8	200.2	393.9	390.6	548.2	600.7	305.3
87.5°	0.0	0.0	3.3	3.3	6.6	9.8	42.7	46.0	114.9	183.8	101.8
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°	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2	5521.2
2.5°	5547.4	5508.0	5527.7	5521.2	5540.9	5540.9	5504.8	5494.9	5498.2	5458.8	5445.7
5°	5596.7	5550.7	5560.6	5547.4	5567.1	5583.5	5567.1	5567.1	5586.8	5557.3	5540.9
7.5°	5708.3	5655.8	5655.8	5639.3	5662.3	5675.5	5662.3	5682.0	5718.1	5688.6	5672.2
10°	5885.5	5823.2	5826.5	5806.8	5816.6	5810.0	5757.5	5741.1	5751.0	5724.7	5711.6
12.5°	6115.3	6030.0	6030.0	5990.6	5967.6	5898.7	5790.3	5751.0	5757.5	5734.5	5724.7
15°	6335.2	6256.5	6240.0	6161.3	6056.2	5928.2	5829.7	5803.5	5810.0	5787.1	5770.6
17.5°	6594.6	6492.8	6433.7	6289.3	6095.6	5964.3	5865.8	5803.5	5751.0	5698.4	5685.3
20°	6834.2	6706.2	6597.8	6374.6	6138.3	5957.8	5773.9	5619.7	5491.6	5422.7	5406.3
22.5°	7080.4	6916.2	6725.9	6433.7	6135.0	5839.6	5501.5	5268.4	5078.0	4976.3	4996.0
25°	7313.4	7106.6	6847.3	6489.5	6030.0	5577.0	5117.4	4769.5	4552.8	4474.1	4451.1
27.5°	7507.1	7251.1	6958.9	6463.3	5813.3	5199.5	4592.2	4204.9	3994.8	3906.2	3883.2
30°	7723.7	7434.9	7119.8	6341.8	5471.9	4671.0	3998.1	3683.0	3532.0	3446.6	3449.9
32.5°	7973.2	7671.2	7346.3	6108.7	5035.4	4099.9	3509.0	3292.4	3170.9	3085.6	3072.4
35°	8308.0	8009.3	7497.2	5757.5	4480.6	3574.7	3174.2	2996.9	2845.9	2734.3	2711.4
37.5°	8721.6	8518.1	7513.7	5288.1	3886.5	3213.6	2934.6	2744.2	2560.4	2412.6	2396.2
40°	9430.6	9197.6	7379.1	4700.6	3381.0	2980.5	2734.3	2514.4	2301.0	2136.9	2113.9
42.5°	10441.7	9962.4	7090.2	4037.5	3000.2	2796.7	2543.9	2264.9	2048.3	1933.4	1917.0
45°	11728.4	10815.9	6656.9	3413.8	2717.9	2616.2	2343.7	2051.6	1936.7	1854.6	1838.2
47.5°	13304.0	11810.5	6158.0	2928.0	2498.0	2452.0	2140.2	1979.4	1877.6	1808.7	1792.2
50°	15188.2	13077.5	5747.7	2547.2	2301.0	2261.6	2074.5	1936.7	1854.6	1798.8	1785.7
52.5°	17338.2	14485.7	5547.4	2274.8	2130.3	2091.0	2051.6	1926.8	1857.9	1815.2	1798.8
55°	19570.3	15969.4	5360.3	2064.7	1985.9	2008.9	2054.9	1959.7	1907.1	1851.3	1834.9
57.5°	21726.9	17361.2	4900.8	1900.6	1880.9	1969.5	2071.3	1992.5	1930.1	1874.3	1854.6
60°	23213.9	18122.7	4122.8	1769.3	1802.1	1920.3	2028.6	1943.2	1864.5	1841.5	1831.6
62.5°	23614.4	18030.8	3200.4	1634.7	1706.9	1811.9	1917.0	1861.2	1779.1	1815.2	1818.5
65°	22678.8	17046.1	2402.8	1503.4	1582.2	1670.8	1802.1	1779.1	1749.6	1848.1	1851.3
67.5°	20029.9	14626.9	1831.6	1388.5	1454.2	1562.5	1766.0	1861.2	1867.7	1992.5	1979.4
70°	15155.3	10927.5	1434.5	1280.2	1355.7	1562.5	1880.9	1923.5	1844.8	1959.7	1933.4
72.5°	10477.8	7211.7	1221.1	1185.0	1234.2	1490.3	1877.6	1877.6	1792.2	1792.2	1743.0
75°	6509.2	4241.0	1063.5	1063.5	1063.5	1303.2	1825.1	1729.9	1578.9	1510.0	1470.6
77.5°	3213.6	2061.4	892.8	925.7	889.6	1089.8	1490.3	1414.8	1322.9	1250.6	1224.4
80°	1372.1	1030.7	722.2	758.3	715.6	820.6	1181.7	1165.3	1076.7	981.5	951.9
82.5°	630.2	531.8	577.7	594.1	521.9	617.1	863.3	863.3	814.1	682.8	633.5
85°	269.2	282.3	400.5	400.5	328.3	347.9	462.8	439.9	393.9	321.7	295.4
87.5°	91.9	137.9	203.5	177.3	68.9	29.5	16.4	6.6	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)