

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: P639849

Luminaire Tested: GWS-SA5C-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20119.2 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

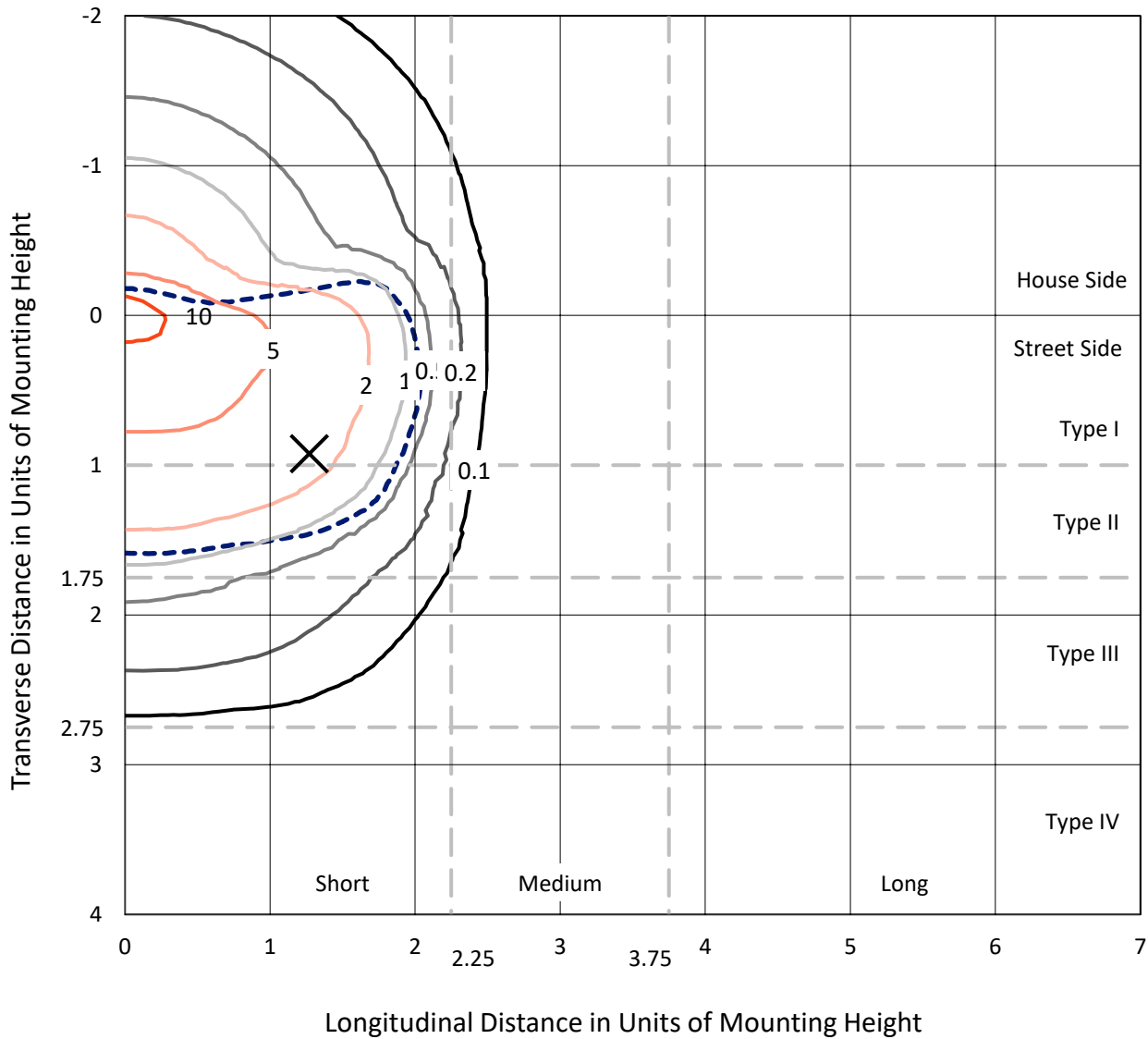
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639849
 CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

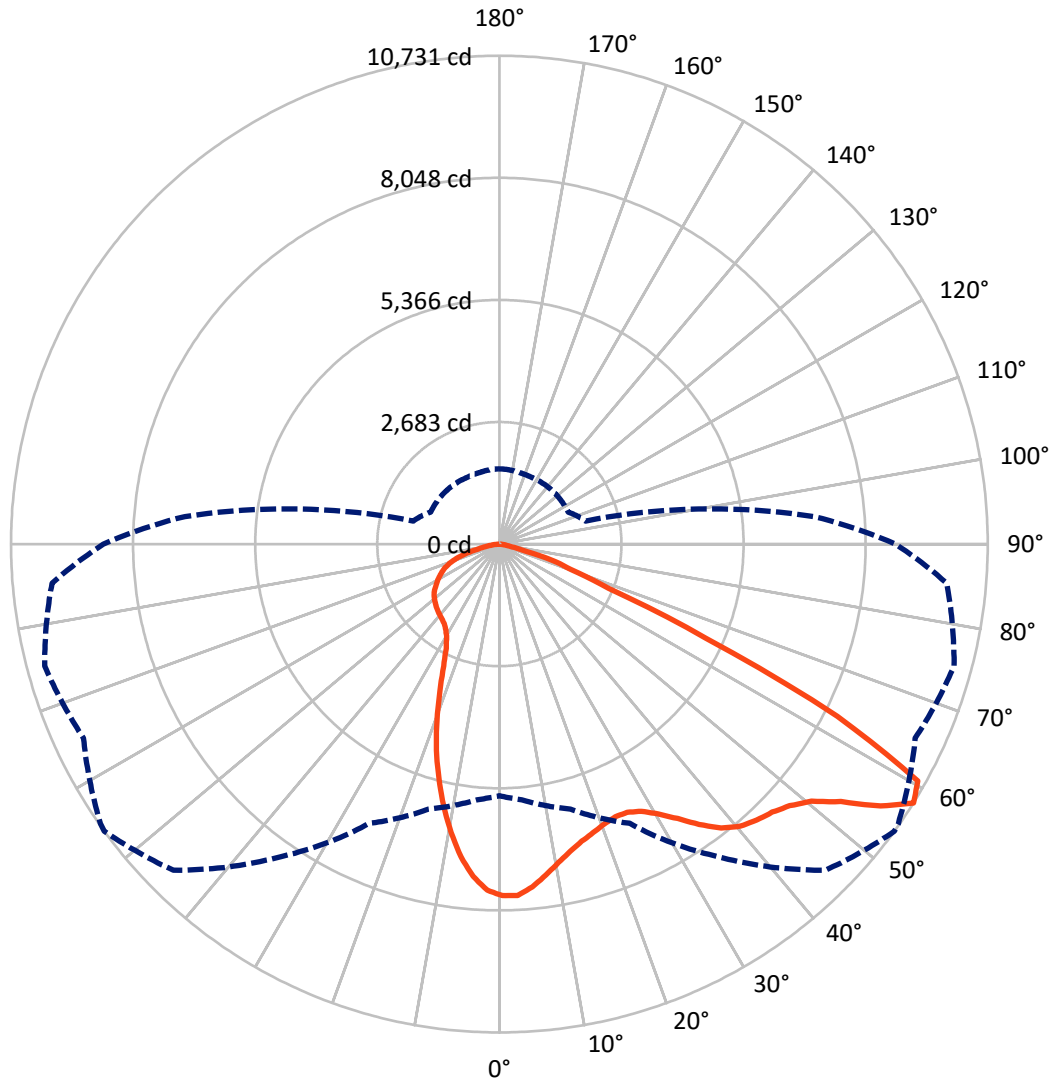
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type II - Short - N/A

REPORT NUMBER: P639849
CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P639849

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5848.9	0.0	5848.9
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14270.3	0.0	14270.3
	% Fixture	70.9	0.0	70.9
Total	Lumens	20119.2	0.0	20119.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.9	3.4
10°-20°	1620.1	8.1
20°-30°	2241.9	11.1
30°-40°	3115.2	15.5
40°-50°	4114.2	20.4
50°-60°	4889.1	24.3
60°-70°	2708.6	13.5
70°-80°	674.5	3.4
80°-90°	76.7	0.4
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°	20119.2	100.0
0°-180°	20119.2	100.0

Coefficient of Utilization



REPORT NUMBER: P639849

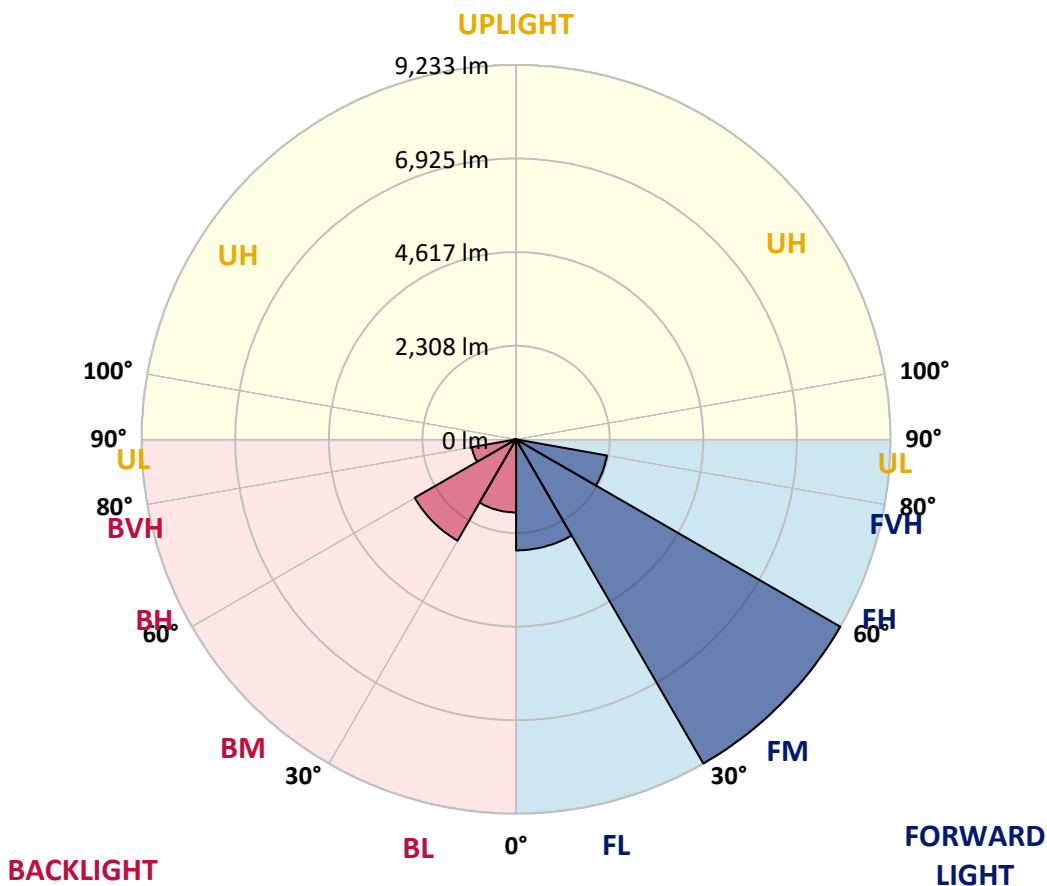
CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2738.5	13.6			
FM (30°-60°)	9233.0	45.9			
FH (60°-80°)	2274.7	11.3			G2/5000
FVH (80°-90°)	24.0	0.1			G1/100
BL (0°-30°)	1802.4	9.0	B3/2500		
BM (30°-60°)	2885.4	14.3	B3/5000		
BH (60°-80°)	1108.4	5.5	B3/2500		G3/2500
BVH (80°-90°)	52.7	0.3			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 II Short





REPORT NUMBER: P639849

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2
2.5°	7579.6	7595.1	7605.4	7641.6	7672.6	7700.1	7729.4	7729.4	7727.7	7722.5	7712.2
5°	7279.9	7297.1	7321.2	7371.2	7438.3	7486.5	7565.8	7572.7	7607.1	7620.9	7614.0
7.5°	6932.0	6937.2	6968.2	7033.6	7140.4	7226.5	7340.2	7353.9	7436.6	7484.8	7476.2
10°	6551.4	6534.2	6589.3	6685.7	6825.2	6969.9	7116.3	7128.3	7260.9	7352.2	7345.3
12.5°	6203.5	6205.2	6260.3	6377.4	6551.4	6730.5	6926.8	6954.4	7118.0	7235.1	7223.0
15°	5912.4	5919.3	5986.5	6119.1	6317.2	6530.7	6775.3	6801.1	7007.8	7162.8	7128.3
17.5°	5679.9	5686.8	5745.4	5896.9	6108.8	6367.1	6665.0	6690.9	6947.5	7131.8	7061.2
20°	5519.8	5516.3	5573.1	5717.8	5936.5	6217.3	6568.6	6606.5	6928.5	7143.8	7016.4
22.5°	5454.3	5452.6	5493.9	5612.8	5817.7	6101.9	6510.0	6561.7	6949.2	7197.2	6988.8
25°	5487.0	5480.1	5516.3	5604.1	5767.8	6057.1	6527.3	6582.4	7037.0	7307.4	6994.0
27.5°	5588.6	5580.0	5611.0	5690.3	5814.3	6103.6	6647.8	6711.5	7223.0	7508.9	7062.9
30°	5743.6	5738.5	5769.5	5845.3	5953.8	6258.6	6878.6	6950.9	7510.7	7822.4	7212.7
32.5°	5924.5	5915.9	5971.0	6058.8	6184.5	6541.0	7188.6	7283.3	7851.7	8225.4	7464.2
35°	6127.7	6120.8	6196.6	6324.0	6504.9	6933.7	7564.1	7667.4	8199.6	8681.8	7798.3
37.5°	6325.8	6325.8	6472.2	6661.6	6888.9	7360.8	7917.1	7982.6	8440.7	9086.5	8156.5
40°	6501.4	6511.8	6732.2	7016.4	7305.7	7746.6	8149.6	8204.7	8547.4	9365.5	8468.2
42.5°	6696.0	6704.7	6961.3	7333.3	7677.7	8058.3	8290.8	8318.4	8568.1	9505.0	8688.7
45°	6851.0	6863.1	7181.7	7579.6	8001.5	8292.6	8402.8	8426.9	8597.4	9580.8	8848.8
47.5°	6932.0	6949.2	7314.3	7777.6	8220.2	8502.7	8587.1	8597.4	8717.9	9713.4	9041.7
50°	6918.2	6952.7	7364.3	7875.8	8382.1	8714.5	8883.3	8900.5	8964.2	9908.0	9267.3
52.5°	7040.5	7056.0	7471.0	7992.9	8612.9	9105.4	9398.2	9422.3	9393.1	10054.4	9401.7
55°	6837.3	6911.3	7338.4	7975.7	8964.2	9710.0	10161.2	10149.1	9782.3	10218.0	9625.6
57.5°	5530.1	5638.6	6029.5	6770.1	8385.6	10133.6	10731.2	10702.0	10083.7	10343.7	9868.4
60°	3828.5	3845.7	4198.8	4724.1	6472.2	8952.2	10564.2	10627.9	10138.8	10185.3	9418.9
62.5°	3062.1	3057.0	3089.7	3103.5	4116.1	6293.0	8339.1	8571.6	8423.4	7936.1	6675.4
65°	2614.4	2633.3	2729.7	2679.8	2686.7	3544.4	4982.4	5015.1	4911.8	4736.1	3530.6
67.5°	2046.0	2078.7	2249.2	2443.8	2381.8	2282.0	2585.1	2569.6	2025.3	1567.2	1295.1
70°	1281.3	1302.0	1484.6	1918.6	2073.6	1873.8	1662.0	1655.1	1085.0	892.1	978.2
72.5°	747.4	750.9	802.6	1069.5	1376.1	1281.3	1222.8	1178.0	697.5	711.3	780.2
75°	411.6	411.6	409.9	461.6	542.5	480.5	465.0	452.9	466.7	528.7	580.4
77.5°	86.1	87.8	93.0	122.3	158.4	192.9	242.8	244.6	304.8	353.1	394.4
80°	39.6	41.3	51.7	65.4	84.4	111.9	148.1	149.8	184.3	222.2	249.7
82.5°	20.7	22.4	27.6	34.4	44.8	58.6	82.7	82.7	110.2	130.9	148.1
85°	6.9	6.9	10.3	13.8	18.9	24.1	32.7	32.7	48.2	63.7	74.1
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	6.9	6.9	8.6	10.3	17.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P639849

CATALOG NUMBER: GWS-SA5C-760-U-SL3-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2	7724.2
2.5°	7689.8	7636.4	7638.1	7648.4	7615.7	7565.8	7533.0	7491.7	7465.9	7460.7	7479.7
5°	7579.6	7517.5	7474.5	7429.7	7336.7	7226.5	7140.4	7069.8	7023.3	7006.0	6985.4
7.5°	7428.0	7347.0	7238.5	7112.8	6944.0	6747.7	6609.9	6480.8	6391.2	6365.4	6353.3
10°	7276.4	7159.3	6966.4	6732.2	6451.5	6186.3	5936.5	5745.4	5593.8	5507.7	5535.3
12.5°	7119.7	6975.0	6673.7	6313.7	5922.8	5523.2	5196.0	4879.1	4634.5	4512.3	4476.1
15°	6981.9	6785.6	6365.4	5878.0	5357.9	4855.0	4381.4	3906.0	3596.0	3427.2	3380.7
17.5°	6864.8	6609.9	6039.9	5433.6	4811.9	4095.5	3513.4	3072.5	2860.6	2767.6	2760.7
20°	6749.4	6437.7	5717.8	4954.9	4181.6	3379.0	2858.9	2652.2	2576.5	2543.7	2542.0
22.5°	6646.1	6256.9	5378.5	4476.1	3554.7	2840.0	2554.1	2464.5	2443.8	2443.8	2440.4
25°	6558.3	6076.0	5030.6	3968.0	2988.1	2528.2	2395.6	2357.7	2366.3	2381.8	2383.6
27.5°	6522.1	5934.8	4694.8	3446.2	2597.1	2347.4	2287.1	2282.0	2306.1	2330.2	2333.6
30°	6560.0	5838.4	4350.4	2946.7	2362.9	2237.2	2209.6	2220.0	2249.2	2273.3	2273.3
32.5°	6677.1	5790.1	3999.0	2581.6	2226.8	2159.7	2151.1	2161.4	2183.8	2197.6	2199.3
35°	6875.2	5809.1	3635.6	2335.3	2139.0	2102.8	2101.1	2108.0	2116.6	2125.2	2127.0
37.5°	7124.9	5893.5	3246.4	2192.4	2082.2	2061.5	2058.1	2056.3	2058.1	2058.1	2059.8
40°	7369.4	6020.9	2898.5	2108.0	2042.6	2025.3	2016.7	2004.7	2003.0	1999.5	1997.8
42.5°	7550.3	6119.1	2621.2	2047.7	2006.4	1985.7	1975.4	1956.5	1954.7	1953.0	1951.3
45°	7686.3	6201.8	2390.5	1989.2	1968.5	1949.6	1927.2	1910.0	1913.4	1916.8	1916.8
47.5°	7839.6	6274.1	2221.7	1934.1	1922.0	1903.1	1875.5	1863.5	1875.5	1887.6	1887.6
50°	8025.6	6375.7	2083.9	1879.0	1873.8	1851.4	1827.3	1822.1	1835.9	1853.1	1853.1
52.5°	8161.7	6463.5	1985.7	1823.8	1823.8	1794.6	1773.9	1772.2	1787.7	1804.9	1806.6
55°	8416.6	6668.5	1951.3	1760.1	1753.2	1730.8	1715.3	1703.3	1722.2	1737.7	1737.7
57.5°	8704.2	6940.6	1959.9	1668.8	1660.2	1653.3	1641.3	1627.5	1632.7	1649.9	1651.6
60°	8094.5	6413.6	1865.2	1577.6	1572.4	1569.0	1553.5	1529.3	1536.2	1550.0	1551.7
62.5°	5654.1	4262.5	1508.7	1463.9	1481.1	1479.4	1458.7	1431.2	1432.9	1451.8	1451.8
65°	2934.7	2306.1	1324.4	1360.6	1386.4	1376.1	1341.6	1317.5	1314.1	1338.2	1333.0
67.5°	1265.8	1259.0	1205.6	1252.1	1279.6	1257.2	1221.1	1181.5	1184.9	1193.5	1186.6
70°	1019.6	1050.6	1073.0	1122.9	1145.3	1104.0	1064.3	1042.0	1023.0	1021.3	1009.2
72.5°	814.6	857.7	907.6	959.3	966.2	924.8	874.9	854.2	824.9	823.2	811.2
75°	613.1	649.3	688.9	730.2	730.2	690.6	657.9	647.6	613.1	602.8	592.4
77.5°	418.5	440.9	471.9	482.2	492.6	477.1	444.3	427.1	387.5	377.2	363.4
80°	263.5	279.0	297.9	304.8	315.2	296.2	270.4	251.4	223.9	215.3	208.4
82.5°	158.4	168.8	180.8	184.3	192.9	179.1	155.0	141.2	125.7	118.8	113.7
85°	80.9	86.1	93.0	94.7	93.0	79.2	70.6	63.7	53.4	51.7	48.2
87.5°	20.7	24.1	25.8	24.1	22.4	17.2	12.1	8.6	3.4	3.4	1.7
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)