

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: P639739

Luminaire Tested: GWS-SA5C-740-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639739
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19941.8 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

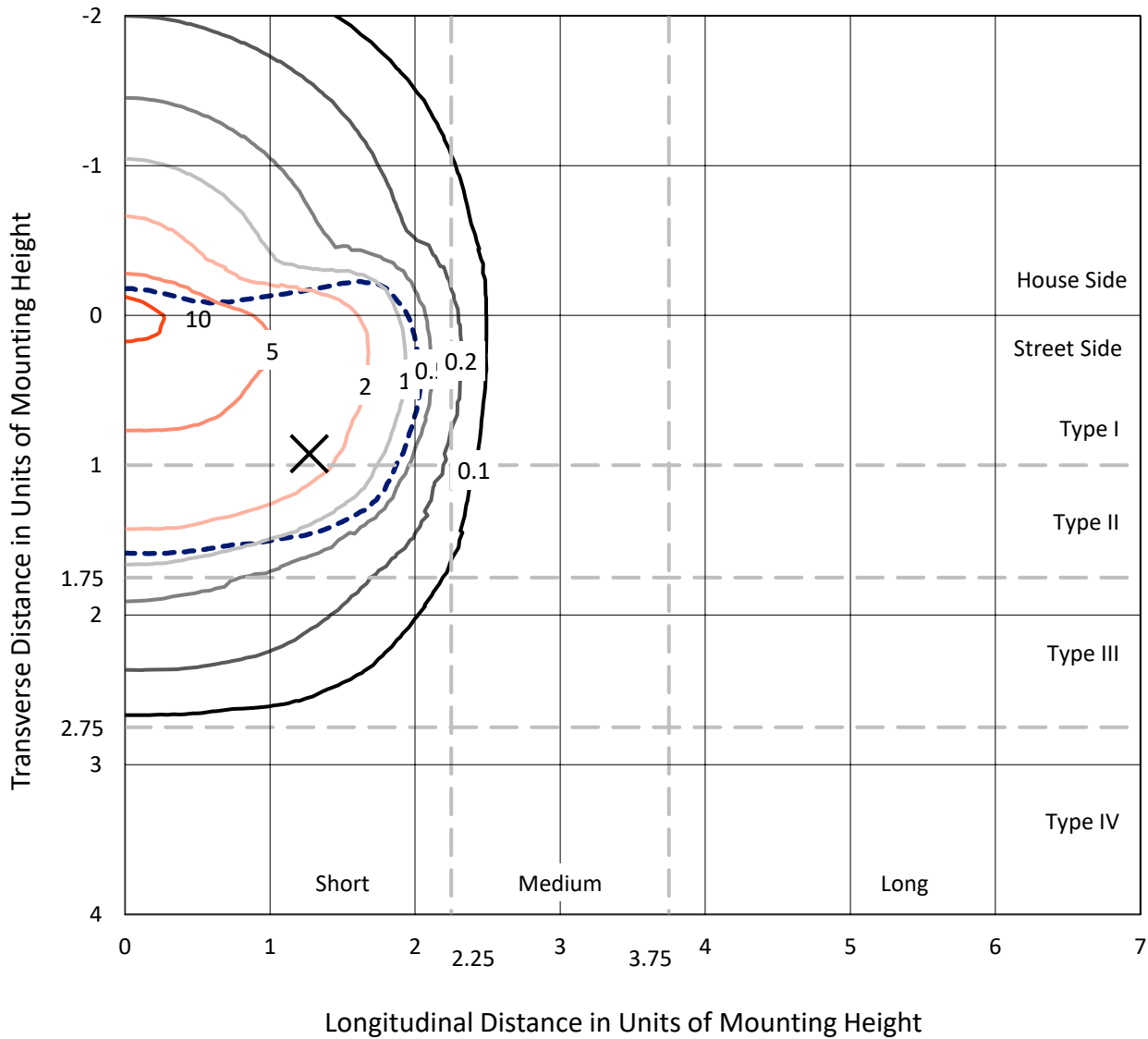
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

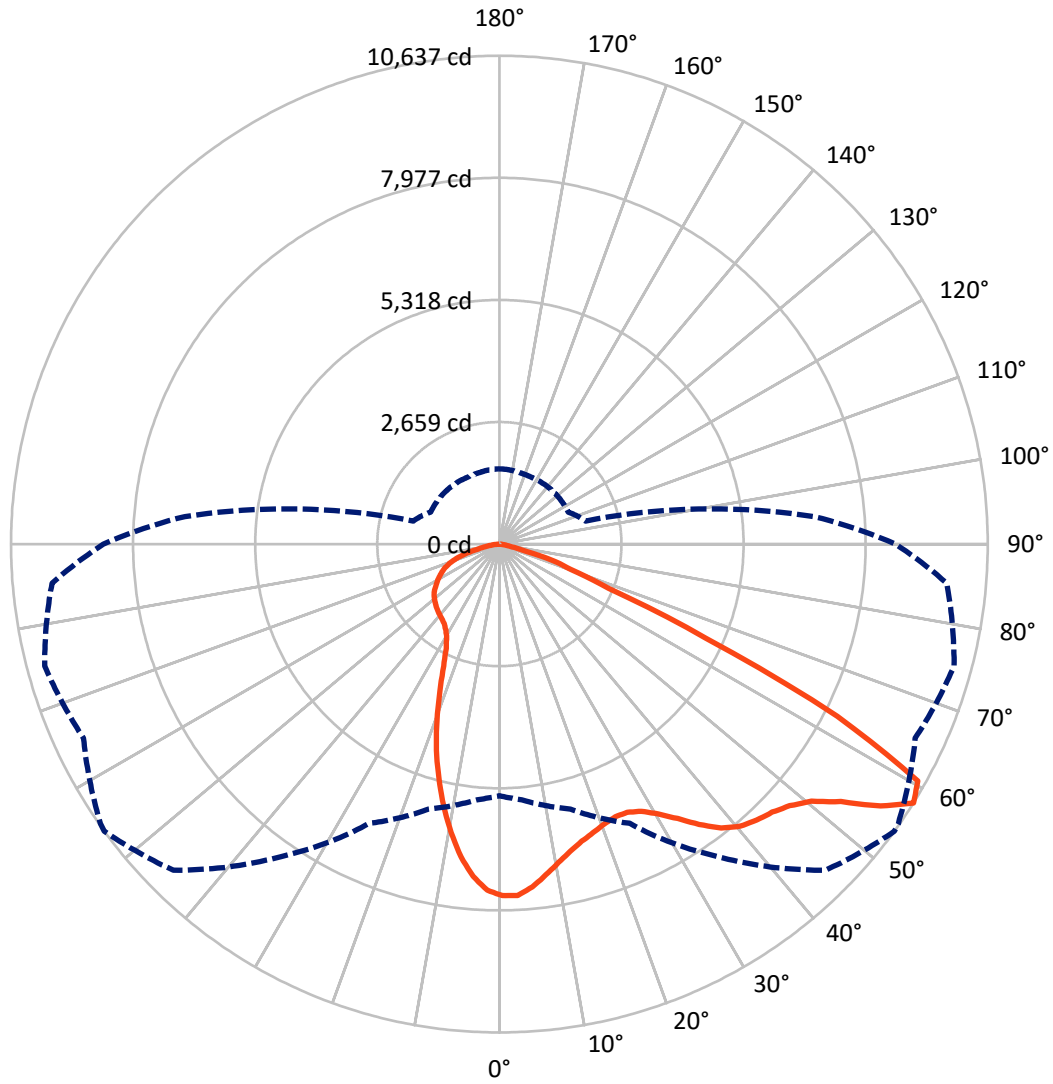
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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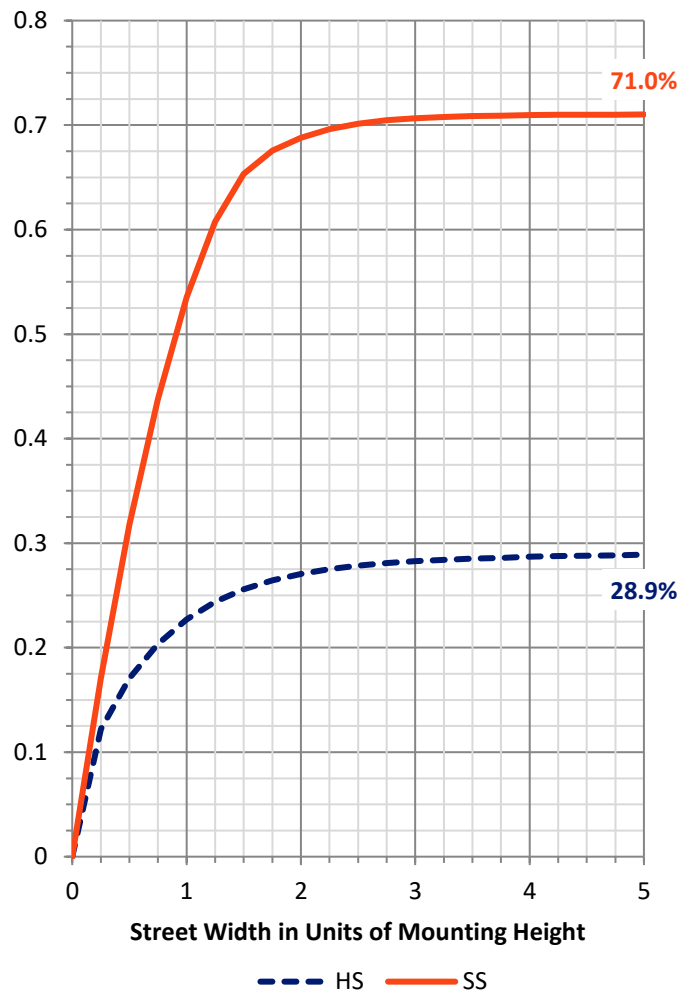
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5797.3	0.0	5797.3
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14144.5	0.0	14144.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	19941.8	0.0	19941.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	673.0	3.4
10°-20°	1605.8	8.1
20°-30°	2222.2	11.1
30°-40°	3087.7	15.5
40°-50°	4077.9	20.4
50°-60°	4846.0	24.3
60°-70°	2684.8	13.5
70°-80°	668.6	3.4
80°-90°	76.0	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°	19941.8	100.0
0°-180°	19941.8	100.0

Coefficient of Utilization



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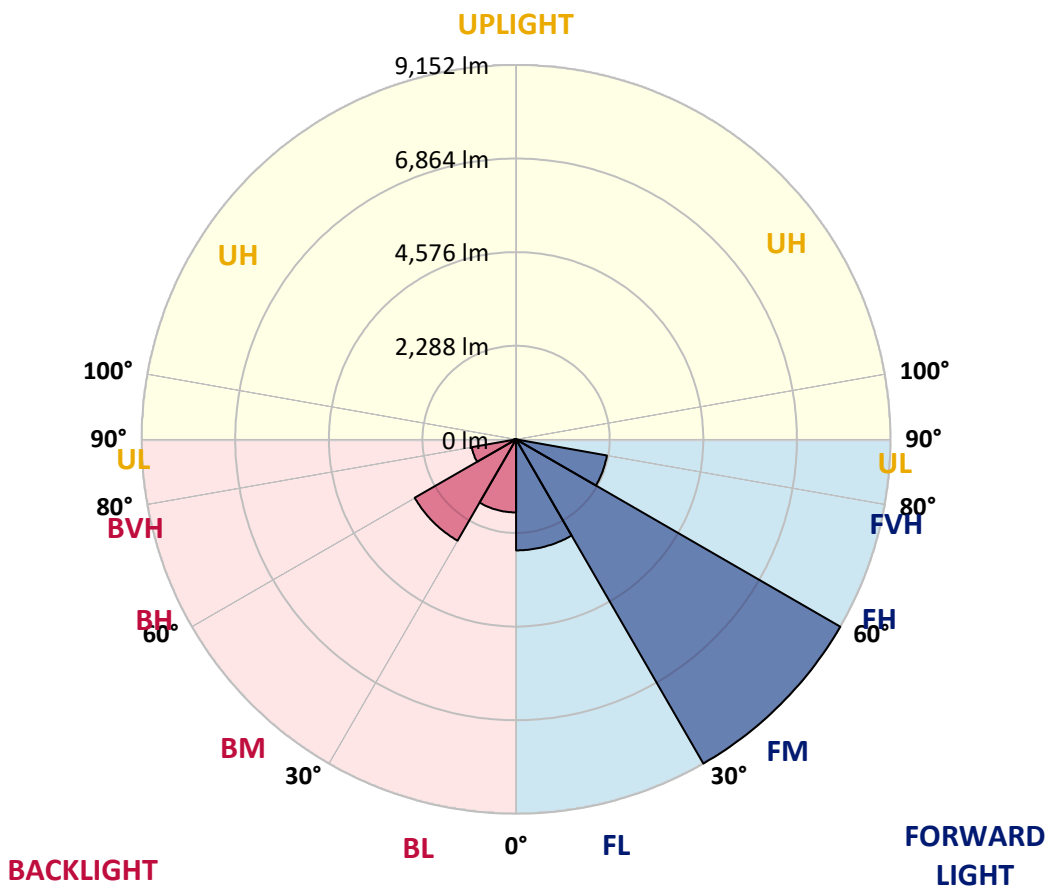
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2714.4	13.6			
FM (30°-60°)	9151.6	45.9			
FH (60°-80°)	2254.7	11.3			G2/5000
FVH (80°-90°)	23.8	0.1			G1/100
BL (0°-30°)	1786.5	9.0	B3/2500		
BM (30°-60°)	2860.0	14.3	B3/5000		
BH (60°-80°)	1098.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	52.2	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1
2.5°	7512.7	7528.1	7538.3	7574.2	7604.9	7632.2	7661.2	7661.2	7659.5	7654.4	7644.2
5°	7215.7	7232.8	7256.7	7306.2	7372.7	7420.5	7499.1	7505.9	7540.0	7553.7	7546.9
7.5°	6870.9	6876.0	6906.7	6971.6	7077.4	7162.8	7275.4	7289.1	7371.0	7418.8	7410.3
10°	6493.6	6476.5	6531.2	6626.8	6765.0	6908.4	7053.5	7065.5	7196.9	7287.4	7280.6
12.5°	6148.8	6150.5	6205.1	6321.2	6493.6	6671.1	6865.7	6893.1	7055.2	7171.3	7159.4
15°	5860.3	5867.1	5933.7	6065.1	6261.5	6473.1	6715.5	6741.1	6946.0	7099.6	7065.5
17.5°	5629.8	5636.7	5694.7	5844.9	6054.9	6311.0	6606.3	6631.9	6886.2	7068.9	6998.9
20°	5471.1	5467.7	5524.0	5667.4	5884.2	6162.4	6510.7	6548.2	6867.5	7080.8	6954.5
22.5°	5406.2	5404.5	5445.5	5563.3	5766.4	6048.1	6452.6	6503.9	6887.9	7133.8	6927.2
25°	5438.7	5431.8	5467.7	5554.7	5716.9	6003.7	6469.7	6524.3	6975.0	7243.0	6932.3
27.5°	5539.4	5530.8	5561.6	5640.1	5763.0	6049.8	6589.2	6652.4	7159.4	7442.7	7000.6
30°	5693.0	5687.9	5718.6	5793.7	5901.3	6203.4	6817.9	6889.6	7444.4	7753.4	7149.1
32.5°	5872.2	5863.7	5918.3	6005.4	6130.0	6483.4	7125.2	7219.1	7782.4	8152.9	7398.3
35°	6073.7	6066.8	6142.0	6268.3	6447.5	6872.6	7497.4	7599.8	8127.3	8605.2	7729.5
37.5°	6270.0	6270.0	6415.1	6602.9	6828.2	7295.9	7847.3	7912.2	8366.2	9006.4	8084.6
40°	6444.1	6454.3	6672.9	6954.5	7241.3	7678.3	8077.8	8132.4	8472.1	9282.9	8393.6
42.5°	6637.0	6645.5	6899.9	7268.6	7610.0	7987.3	8217.7	8245.0	8492.6	9421.2	8612.1
45°	6790.6	6802.6	7118.4	7512.7	7930.9	8219.4	8328.7	8352.6	8521.6	9496.3	8770.8
47.5°	6870.9	6887.9	7249.8	7709.0	8147.7	8427.7	8511.3	8521.6	8641.1	9627.8	8962.0
50°	6857.2	6891.4	7299.3	7806.3	8308.2	8637.7	8805.0	8822.0	8885.2	9820.6	9185.6
52.5°	6978.4	6993.8	7405.2	7922.4	8536.9	9025.2	9315.4	9339.3	9310.2	9965.7	9318.8
55°	6777.0	6850.4	7273.7	7905.3	8885.2	9624.3	10071.6	10059.6	9696.0	10127.9	9540.7
57.5°	5481.3	5588.9	5976.4	6710.4	8311.6	10044.3	10636.6	10607.6	9994.8	10252.5	9781.4
60°	3794.8	3811.8	4161.8	4682.4	6415.1	8873.2	10471.0	10534.2	10049.4	10095.5	9335.8
62.5°	3035.1	3030.0	3062.4	3076.1	4079.8	6237.6	8265.5	8496.0	8349.2	7866.1	6616.5
65°	2591.3	2610.1	2705.7	2656.2	2663.0	3513.1	4938.5	4970.9	4868.5	4694.4	3499.4
67.5°	2028.0	2060.4	2229.4	2422.3	2360.8	2261.8	2562.3	2546.9	2007.5	1553.4	1283.7
70°	1270.0	1290.5	1471.5	1901.7	2055.3	1857.3	1647.3	1640.5	1075.4	884.3	969.6
72.5°	740.9	744.3	795.5	1060.1	1363.9	1270.0	1212.0	1167.6	691.4	705.0	773.3
75°	408.0	408.0	406.3	457.5	537.7	476.3	460.9	449.0	462.6	524.1	575.3
77.5°	85.4	87.1	92.2	121.2	157.0	191.2	240.7	242.4	302.1	349.9	390.9
80°	39.3	41.0	51.2	64.9	83.6	111.0	146.8	148.5	182.7	220.2	247.5
82.5°	20.5	22.2	27.3	34.1	44.4	58.0	81.9	81.9	109.3	129.7	146.8
85°	6.8	6.8	10.2	13.7	18.8	23.9	32.4	32.4	47.8	63.2	73.4
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	6.8	6.8	8.5	10.2	17.1
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°	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1	7656.1
2.5°	7622.0	7569.1	7570.8	7581.0	7548.6	7499.1	7466.6	7425.7	7400.1	7394.9	7413.7
5°	7512.7	7451.3	7408.6	7364.2	7272.0	7162.8	7077.4	7007.4	6961.3	6944.3	6923.8
7.5°	7362.5	7282.3	7174.7	7050.1	6882.8	6688.2	6551.6	6423.6	6334.9	6309.2	6297.3
10°	7212.3	7096.2	6905.0	6672.9	6394.6	6131.7	5884.2	5694.7	5544.5	5459.1	5486.5
12.5°	7056.9	6913.5	6614.8	6258.0	5870.5	5474.5	5150.2	4836.1	4593.7	4472.5	4436.6
15°	6920.4	6725.8	6309.2	5826.2	5310.6	4812.2	4342.7	3871.6	3564.3	3397.0	3350.9
17.5°	6804.3	6551.6	5986.6	5385.7	4769.5	4059.4	3482.4	3045.4	2835.4	2743.2	2736.4
20°	6689.9	6380.9	5667.4	4911.2	4144.7	3349.2	2833.7	2628.9	2553.7	2521.3	2519.6
22.5°	6587.5	6201.7	5331.1	4436.6	3523.3	2814.9	2531.6	2442.8	2422.3	2422.3	2418.9
25°	6500.4	6022.5	4986.3	3933.0	2961.7	2505.9	2374.5	2336.9	2345.5	2360.8	2362.6
27.5°	6464.6	5882.5	4653.4	3415.8	2574.2	2326.7	2267.0	2261.8	2285.7	2309.6	2313.0
30°	6502.1	5786.9	4312.0	2920.8	2342.1	2217.5	2190.1	2200.4	2229.4	2253.3	2253.3
32.5°	6618.2	5739.1	3963.8	2558.9	2207.2	2140.6	2132.1	2142.3	2164.5	2178.2	2179.9
35°	6814.5	5757.9	3603.6	2314.8	2120.2	2084.3	2082.6	2089.4	2098.0	2106.5	2108.2
37.5°	7062.1	5841.5	3217.8	2173.1	2063.8	2043.3	2039.9	2038.2	2039.9	2039.9	2041.6
40°	7304.5	5967.8	2873.0	2089.4	2024.6	2007.5	1999.0	1987.0	1985.3	1981.9	1980.2
42.5°	7483.7	6065.1	2598.1	2029.7	1988.7	1968.2	1958.0	1939.2	1937.5	1935.8	1934.1
45°	7618.6	6147.1	2369.4	1971.6	1951.2	1932.4	1910.2	1893.1	1896.5	1899.9	1899.9
47.5°	7770.5	6218.8	2202.1	1917.0	1905.1	1886.3	1859.0	1847.0	1859.0	1870.9	1870.9
50°	7954.8	6319.5	2065.5	1862.4	1857.3	1835.1	1811.2	1806.1	1819.7	1836.8	1836.8
52.5°	8089.7	6406.6	1968.2	1807.8	1807.8	1778.7	1758.3	1756.6	1771.9	1789.0	1790.7
55°	8342.3	6609.7	1934.1	1744.6	1737.8	1715.6	1700.2	1688.3	1707.0	1722.4	1722.4
57.5°	8627.4	6879.4	1942.6	1654.1	1645.6	1638.8	1626.8	1613.2	1618.3	1635.4	1637.1
60°	8023.1	6357.0	1848.7	1563.7	1558.5	1555.1	1539.8	1515.9	1522.7	1536.3	1538.1
62.5°	5604.2	4224.9	1495.4	1451.0	1468.1	1466.4	1445.9	1418.6	1420.3	1439.0	1439.0
65°	2908.8	2285.7	1312.7	1348.6	1374.2	1363.9	1329.8	1305.9	1302.5	1326.4	1321.3
67.5°	1254.7	1247.9	1194.9	1241.0	1268.3	1246.1	1210.3	1171.0	1174.4	1183.0	1176.2
70°	1010.6	1041.3	1063.5	1113.0	1135.2	1094.2	1055.0	1032.8	1014.0	1012.3	1000.3
72.5°	807.4	850.1	899.6	950.8	957.7	916.7	867.2	846.7	817.7	816.0	804.0
75°	607.7	643.6	682.8	723.8	723.8	684.5	652.1	641.9	607.7	597.5	587.2
77.5°	414.8	437.0	467.7	478.0	488.2	472.9	440.4	423.3	384.1	373.8	360.2
80°	261.2	276.5	295.3	302.1	312.4	293.6	268.0	249.2	221.9	213.4	206.6
82.5°	157.0	167.3	179.2	182.7	191.2	177.5	153.6	140.0	124.6	117.8	112.7
85°	80.2	85.4	92.2	93.9	92.2	78.5	70.0	63.2	52.9	51.2	47.8
87.5°	20.5	23.9	25.6	23.9	22.2	17.1	11.9	8.5	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)