

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: P641746

Luminaire Tested: GWS-SA6B-740-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18562.7 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

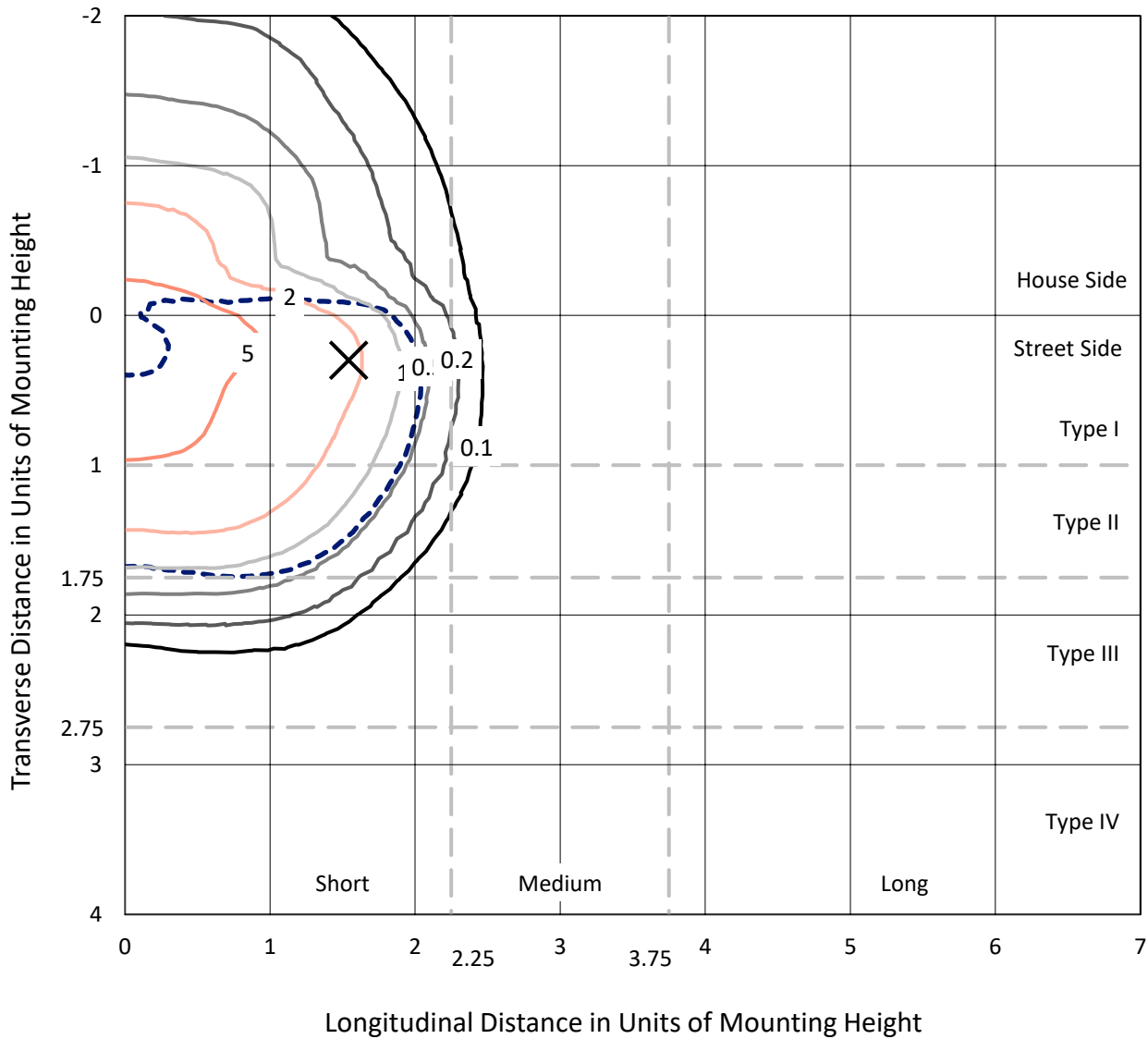
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

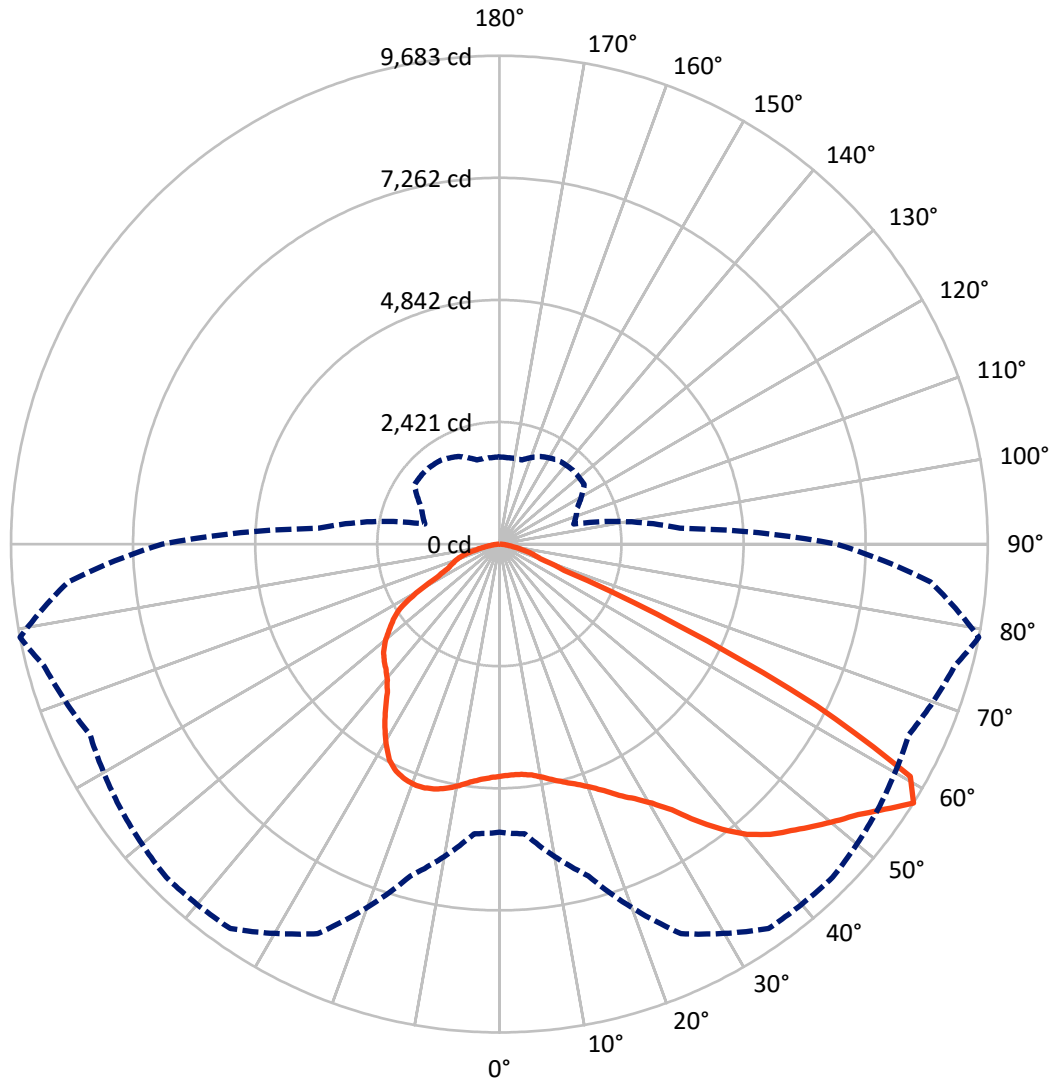
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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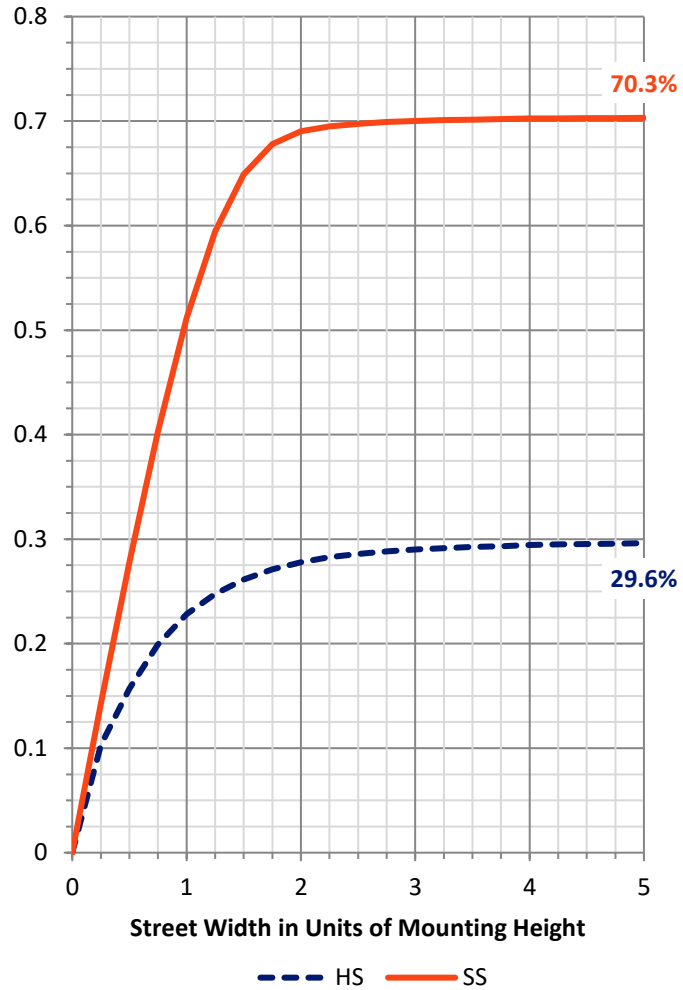
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5517.8	0.0	5517.8
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	13044.9	0.0	13044.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	18562.7	0.0	18562.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.0	2.3
10°-20°	1183.9	6.4
20°-30°	2006.8	10.8
30°-40°	3071.7	16.5
40°-50°	4095.8	22.1
50°-60°	4730.3	25.5
60°-70°	2458.0	13.2
70°-80°	522.5	2.8
80°-90°	67.7	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°	18562.7	100.0
0°-180°	18562.7	100.0

Coefficient of Utilization



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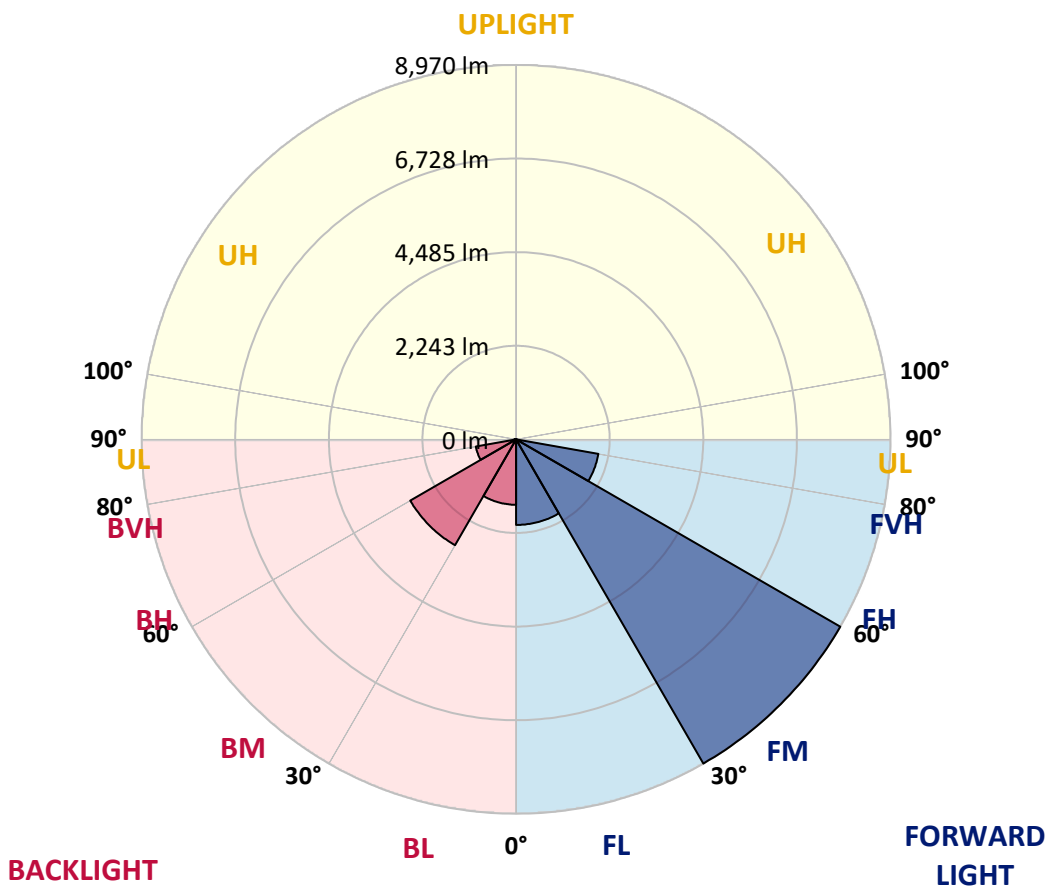
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2049.7	11.0			
FM (30°-60°)	8970.0	48.3			
FH (60°-80°)	2001.5	10.8			G2/5000
FVH (80°-90°)	23.6	0.1			G1/100
BL (0°-30°)	1567.0	8.4	B3/2500		
BM (30°-60°)	2927.7	15.8	B3/5000		
BH (60°-80°)	979.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	44.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3
2.5°	4390.8	4381.7	4384.7	4396.9	4442.4	4475.8	4510.7	4542.6	4572.9	4582.1	4589.6
5°	4234.5	4217.8	4222.3	4242.1	4295.2	4351.4	4413.6	4489.5	4562.3	4586.6	4618.5
7.5°	4123.7	4120.7	4128.2	4158.6	4214.8	4267.9	4348.3	4456.1	4582.1	4623.0	4679.2
10°	3976.5	3970.4	4000.8	4063.0	4155.6	4240.6	4336.2	4463.7	4639.7	4700.4	4786.9
12.5°	3859.6	3856.6	3888.4	3975.0	4093.3	4228.4	4360.5	4503.1	4717.1	4800.6	4906.8
15°	3927.9	3914.2	3915.8	3976.5	4082.7	4242.1	4421.2	4574.5	4794.5	4900.8	5037.4
17.5°	4126.7	4102.4	4084.2	4094.9	4155.6	4321.0	4513.8	4670.1	4884.1	5008.5	5175.5
20°	4401.4	4387.8	4337.7	4304.3	4318.0	4463.7	4659.5	4805.2	5000.9	5140.6	5319.7
22.5°	4770.3	4736.9	4668.6	4615.4	4574.5	4688.3	4868.9	4994.9	5163.3	5309.1	5495.7
25°	5227.1	5178.5	5070.8	4987.3	4899.3	5016.1	5177.0	5272.6	5386.5	5521.5	5699.1
27.5°	5693.0	5652.1	5532.2	5419.8	5310.6	5383.4	5574.7	5629.3	5617.2	5715.8	5867.6
30°	6189.3	6137.7	6023.9	5902.5	5761.3	5808.4	5979.9	6007.2	5878.2	5960.2	6063.4
32.5°	6713.0	6662.9	6564.2	6423.1	6263.7	6281.9	6329.0	6354.8	6231.8	6278.9	6357.8
35°	7245.7	7198.6	7098.5	6958.8	6842.0	6731.2	6612.8	6716.0	6644.7	6735.7	6729.7
37.5°	7732.9	7685.8	7623.6	7515.8	7315.5	7096.9	6823.8	6951.2	7062.0	7177.4	7157.7
40°	8062.2	8030.4	8045.5	8028.8	7770.8	7338.3	6927.0	7066.6	7368.6	7565.9	7555.3
42.5°	8346.0	8314.2	8402.2	8465.9	8162.4	7561.4	6977.0	7110.6	7564.4	7872.5	7857.3
45°	8472.0	8462.9	8608.6	8810.5	8520.6	7798.1	7106.1	7201.7	7713.1	8107.8	8050.1
47.5°	8321.8	8353.6	8640.5	8982.0	8818.1	8078.9	7370.1	7394.4	7907.4	8362.7	8200.3
50°	8022.8	8092.6	8479.6	8986.5	9035.1	8396.1	7735.9	7675.2	8168.5	8634.4	8279.3
52.5°	7587.2	7660.0	8291.4	8951.6	9159.6	8763.4	8223.1	8136.6	8497.8	8906.1	8292.9
55°	6587.0	6685.6	7860.4	8872.7	9281.0	9097.3	8772.5	8596.5	8922.8	9279.5	8428.0
57.5°	5714.3	5765.9	6810.1	8522.1	9305.3	9343.2	9164.1	8954.7	9344.7	9683.2	8579.8
60°	4193.5	4205.7	5145.1	7051.4	8560.0	9200.5	9132.2	8821.1	9144.4	9359.9	7884.7
62.5°	2369.2	2370.7	3120.5	4706.5	6394.2	7499.1	7541.6	7266.9	6995.3	7059.0	5488.1
65°	889.4	972.9	1425.2	2313.0	3686.6	4427.2	4603.3	4667.0	4214.8	3934.0	2942.9
67.5°	595.0	614.7	831.7	1189.9	1640.7	1894.1	2118.8	2124.8	1554.2	1385.7	1159.6
70°	453.8	473.5	654.1	851.5	831.7	768.0	830.2	807.4	834.8	857.5	881.8
72.5°	338.5	358.2	506.9	601.0	499.3	491.7	557.0	619.2	676.9	701.2	739.1
75°	224.6	239.8	341.5	321.8	276.2	326.3	406.8	469.0	502.4	531.2	560.0
77.5°	142.7	153.3	182.1	147.2	153.3	191.2	236.8	292.9	324.8	353.6	368.8
80°	65.3	63.7	62.2	69.8	86.5	112.3	142.7	176.1	200.3	212.5	221.6
82.5°	25.8	28.8	31.9	37.9	47.0	60.7	80.4	103.2	122.9	126.0	133.6
85°	10.6	12.1	13.7	16.7	21.2	27.3	33.4	47.0	59.2	63.7	68.3
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	4.6	7.6	13.7	15.2	16.7
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°	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3	4600.3
2.5°	4630.6	4610.9	4644.3	4667.0	4688.3	4665.5	4657.9	4638.2	4635.2	4635.2	4645.8
5°	4673.1	4659.5	4694.4	4708.0	4706.5	4656.4	4626.1	4586.6	4566.9	4566.9	4569.9
7.5°	4749.0	4741.4	4761.1	4739.9	4691.3	4589.6	4489.5	4406.0	4349.8	4321.0	4330.1
10°	4875.0	4865.9	4849.2	4770.3	4630.6	4419.7	4214.8	4063.0	3971.9	3920.3	3923.4
12.5°	4997.9	4982.7	4923.5	4749.0	4462.2	4126.7	3858.1	3688.1	3587.9	3527.2	3513.6
15°	5133.0	5093.5	4966.0	4639.7	4187.4	3768.5	3487.8	3304.1	3196.4	3159.9	3158.4
17.5°	5262.0	5192.2	4961.5	4445.5	3858.1	3393.7	3111.4	2997.5	2979.3	2996.0	3000.6
20°	5392.5	5280.2	4911.4	4176.8	3466.5	3020.3	2874.6	2921.6	2989.9	3035.5	3046.1
22.5°	5527.6	5353.1	4797.6	3830.8	3053.7	2768.4	2829.1	2932.3	3017.3	3078.0	3084.0
25°	5679.4	5421.4	4627.6	3407.3	2722.8	2698.5	2818.4	2927.7	3018.8	3088.6	3100.7
27.5°	5765.9	5422.9	4389.3	2971.7	2571.0	2671.2	2792.6	2895.8	2986.9	3062.8	3076.5
30°	5850.9	5381.9	4011.4	2618.1	2527.0	2639.3	2748.6	2844.2	2930.8	3005.1	3021.8
32.5°	5970.8	5344.0	3575.8	2414.7	2501.2	2609.0	2698.5	2783.5	2850.3	2883.7	2892.8
35°	6119.5	5295.4	3112.9	2326.7	2484.5	2584.7	2663.6	2709.2	2622.7	2604.4	2624.2
37.5°	6327.5	5249.9	2651.5	2288.8	2473.9	2575.6	2645.4	2528.6	2422.3	2379.8	2395.0
40°	6552.1	5224.1	2338.8	2258.4	2478.5	2584.7	2569.5	2396.5	2243.2	2153.7	2150.6
42.5°	6743.3	5184.6	2138.5	2238.7	2490.6	2619.6	2466.3	2279.6	2052.0	1998.9	2000.4
45°	6872.3	5084.4	2032.3	2217.4	2501.2	2627.2	2417.8	2118.8	1956.4	1923.0	1921.5
47.5°	6925.4	4902.3	1964.0	2184.0	2499.7	2565.0	2319.1	2052.0	1889.6	1880.5	1886.5
50°	6890.5	4603.3	1894.1	2118.8	2463.3	2499.7	2205.3	1992.8	1844.1	1894.1	1930.6
52.5°	6761.5	4216.3	1810.7	2029.2	2398.0	2425.3	2147.6	1956.4	1810.7	1877.4	1906.3
55°	6728.1	3902.1	1704.4	1912.4	2300.9	2293.3	2086.9	1938.2	1787.9	1762.1	1766.6
57.5°	6684.1	3595.5	1528.4	1702.9	2055.0	2067.2	2029.2	1916.9	1728.7	1721.1	1728.7
60°	5806.9	2756.2	1362.9	1469.2	1687.7	1753.0	1964.0	1877.4	1633.1	1601.2	1599.7
62.5°	3792.8	1669.5	1212.7	1281.0	1375.1	1451.0	1790.9	1763.6	1528.4	1508.6	1522.3
65°	2039.8	1189.9	1103.4	1144.4	1196.0	1253.7	1484.3	1570.9	1381.1	1311.3	1312.8
67.5°	1042.7	1012.3	1021.4	1050.3	1089.7	1118.6	1197.5	1273.4	1177.8	1118.6	1117.1
70°	892.4	916.7	930.4	947.1	972.9	968.3	975.9	989.6	982.0	953.1	951.6
72.5°	760.4	798.3	801.4	804.4	813.5	792.3	778.6	755.8	757.4	761.9	763.4
75°	578.3	614.7	623.8	619.2	628.3	601.0	582.8	560.0	532.7	528.2	531.2
77.5°	376.4	405.2	418.9	415.9	420.4	399.2	390.1	365.8	333.9	321.8	321.8
80°	227.7	244.4	255.0	258.0	262.6	247.4	232.2	211.0	197.3	183.6	183.6
82.5°	138.1	148.7	156.3	156.3	160.9	144.2	132.0	116.9	110.8	98.7	98.7
85°	69.8	77.4	80.4	78.9	75.9	62.2	57.7	50.1	47.0	41.0	41.0
87.5°	16.7	21.2	21.2	15.2	15.2	7.6	4.6	1.5	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)