

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: P635916

Luminaire Tested: GWS-SA3E-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635916
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-SA3E-760-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19452.2 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

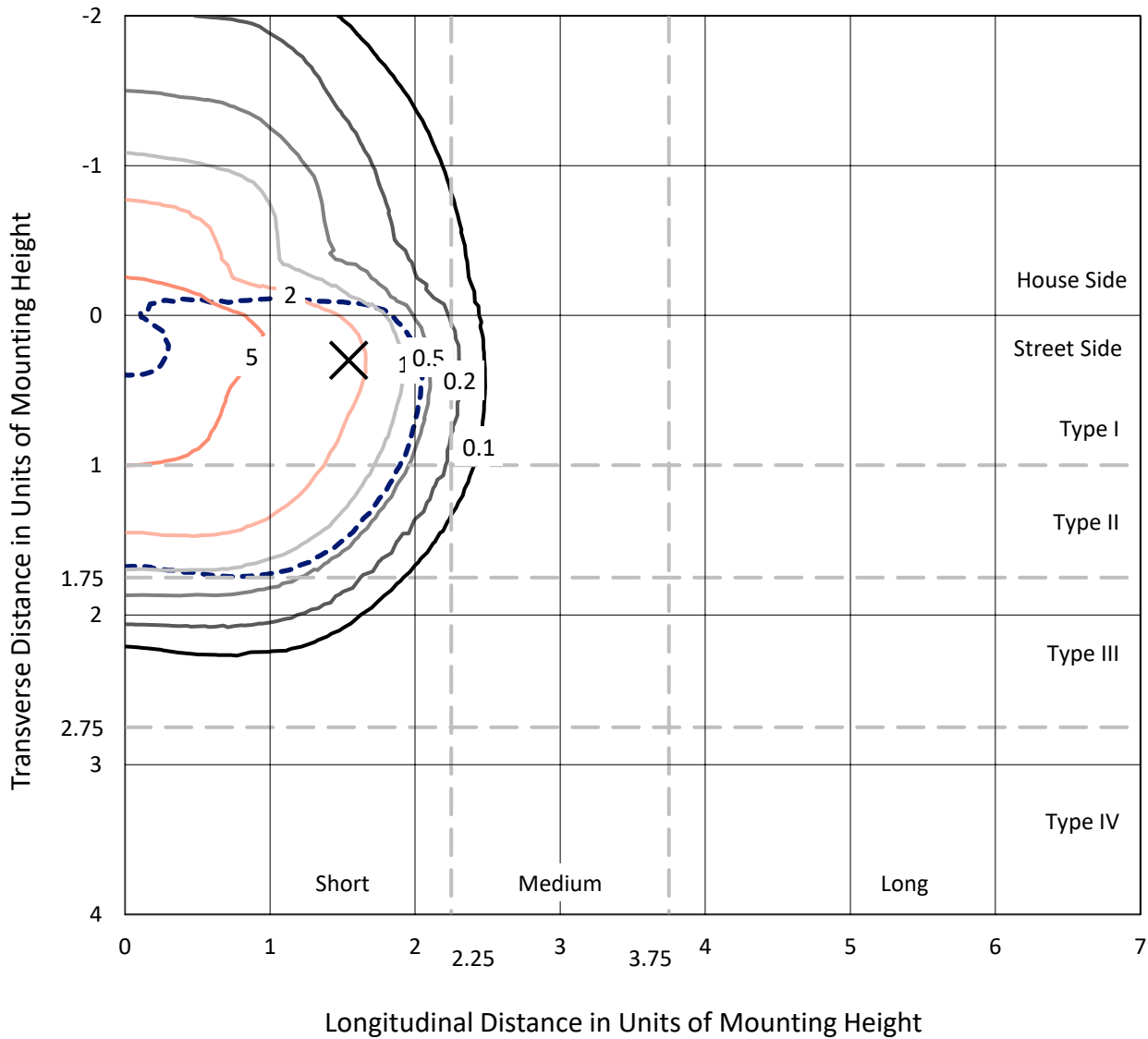
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

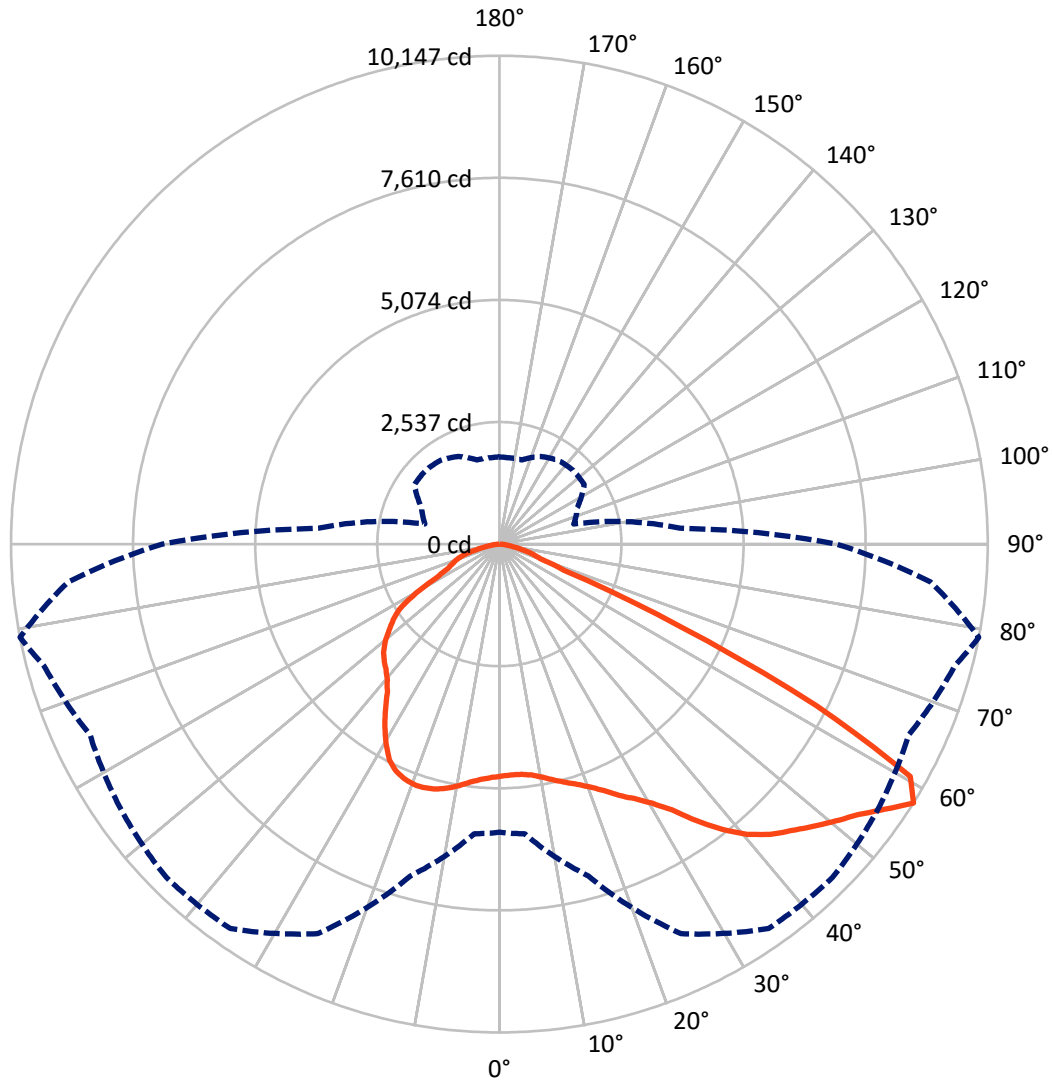
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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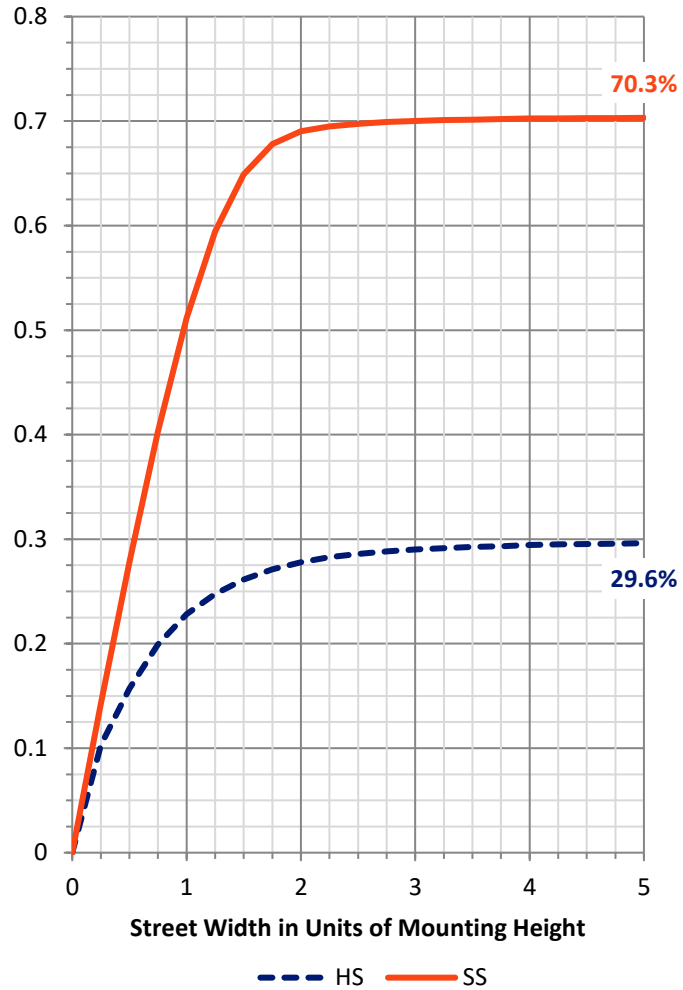
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5782.2	0.0	5782.2
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	13670.0	0.0	13670.0
	% Fixture	70.3	0.0	70.3
Total	Lumens	19452.2	0.0	19452.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.4	2.3
10°-20°	1240.7	6.4
20°-30°	2103.0	10.8
30°-40°	3218.9	16.5
40°-50°	4292.0	22.1
50°-60°	4957.0	25.5
60°-70°	2575.8	13.2
70°-80°	547.6	2.8
80°-90°	70.9	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°	19452.2	100.0
0°-180°	19452.2	100.0

Coefficient of Utilization



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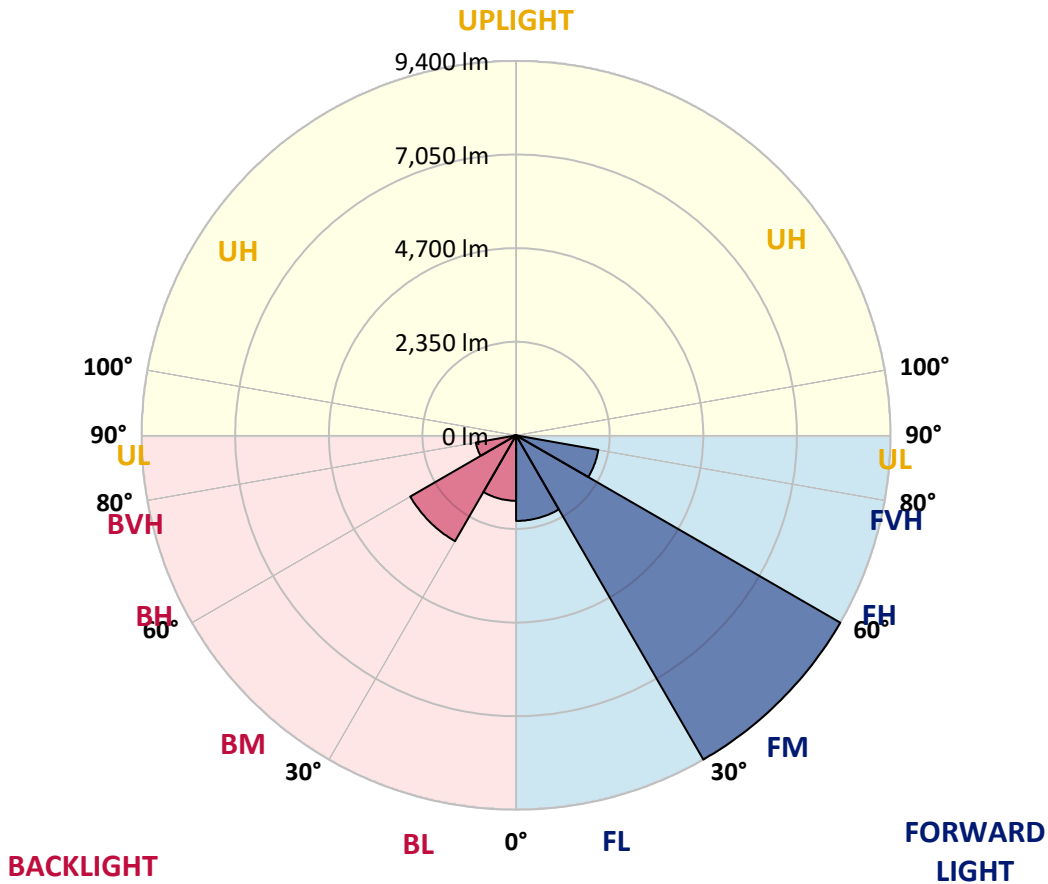
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2148.0	11.0			
FM (30°-60°)	9399.9	48.3			
FH (60°-80°)	2097.4	10.8			G2/5000
FVH (80°-90°)	24.7	0.1			G1/100
BL (0°-30°)	1642.1	8.4	B3/2500		
BM (30°-60°)	3068.0	15.8	B3/5000		
BH (60°-80°)	1025.9	5.3	B3/2500		G3/2500
BVH (80°-90°)	46.2	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7
2.5°	4601.2	4591.7	4594.9	4607.6	4655.3	4690.3	4726.9	4760.3	4792.1	4801.6	4809.6
5°	4437.4	4419.9	4424.7	4445.4	4501.0	4559.9	4625.1	4704.6	4780.9	4806.4	4839.8
7.5°	4321.3	4318.1	4326.1	4357.9	4416.7	4472.4	4556.7	4669.6	4801.6	4844.6	4903.4
10°	4167.0	4160.7	4192.5	4257.7	4354.7	4443.8	4544.0	4677.6	4862.1	4925.7	5016.3
12.5°	4044.6	4041.4	4074.8	4165.4	4289.5	4431.0	4569.4	4718.9	4943.2	5030.6	5142.0
15°	4116.1	4101.8	4103.4	4167.0	4278.4	4445.4	4633.0	4793.7	5024.3	5135.6	5278.8
17.5°	4324.5	4299.0	4279.9	4291.1	4354.7	4528.1	4730.0	4893.9	5118.1	5248.5	5423.5
20°	4612.4	4598.0	4545.6	4510.6	4524.9	4677.6	4882.7	5035.4	5240.6	5386.9	5574.6
22.5°	4998.8	4963.8	4892.3	4836.6	4793.7	4913.0	5102.2	5234.2	5410.8	5563.5	5759.1
25°	5477.6	5426.7	5313.7	5226.3	5134.0	5256.5	5425.1	5525.3	5644.6	5786.1	5972.2
27.5°	5965.8	5922.9	5797.3	5679.6	5565.0	5641.4	5841.8	5899.0	5886.3	5989.7	6148.7
30°	6485.9	6431.8	6312.6	6185.3	6037.4	6086.7	6266.4	6295.1	6159.9	6245.8	6353.9
32.5°	7034.6	6982.1	6878.8	6730.9	6563.9	6582.9	6632.2	6659.3	6530.5	6579.8	6662.5
35°	7592.9	7543.6	7438.6	7292.3	7169.8	7053.7	6929.7	7037.8	6963.1	7058.5	7052.1
37.5°	8103.4	8054.1	7988.9	7876.0	7666.1	7437.0	7150.7	7284.3	7400.4	7521.3	7500.6
40°	8448.6	8415.2	8431.1	8413.6	8143.2	7689.9	7258.9	7405.2	7721.7	7928.5	7917.3
42.5°	8746.0	8712.6	8804.8	8871.6	8553.5	7923.7	7311.4	7451.3	7926.9	8249.8	8233.8
45°	8878.0	8868.4	9021.1	9232.7	8928.9	8171.8	7446.6	7546.8	8082.8	8496.3	8435.8
47.5°	8720.5	8753.9	9054.5	9412.4	9240.6	8466.1	7723.3	7748.8	8286.3	8763.5	8593.3
50°	8407.2	8480.4	8885.9	9417.2	9468.0	8798.5	8106.6	8043.0	8559.9	9048.2	8676.0
52.5°	7950.7	8027.1	8688.7	9380.6	9598.5	9183.4	8617.1	8526.5	8905.0	9332.9	8690.3
55°	6902.6	7006.0	8237.0	9297.9	9725.7	9533.3	9192.9	9008.4	9350.4	9724.1	8831.9
57.5°	5988.1	6042.2	7136.4	8930.5	9751.2	9790.9	9603.2	9383.8	9792.5	10147.2	8990.9
60°	4394.5	4407.2	5391.7	7389.3	8970.2	9641.4	9569.8	9243.8	9582.6	9808.4	8262.5
62.5°	2482.7	2484.3	3270.0	4932.0	6700.6	7858.5	7903.0	7615.2	7330.5	7397.3	5751.1
65°	932.0	1019.5	1493.4	2423.9	3863.2	4639.4	4823.9	4890.7	4416.7	4122.5	3083.9
67.5°	623.5	644.1	871.6	1246.9	1719.3	1984.9	2220.3	2226.7	1628.6	1452.1	1215.1
70°	475.5	496.2	685.5	892.3	871.6	804.8	870.0	846.1	874.8	898.6	924.1
72.5°	354.7	375.4	531.2	629.8	523.3	515.3	583.7	648.9	709.3	734.8	774.6
75°	235.4	251.3	357.9	337.2	289.5	342.0	426.2	491.5	526.4	556.7	586.9
77.5°	149.5	160.6	190.9	154.3	160.6	200.4	248.1	307.0	340.4	370.6	386.5
80°	68.4	66.8	65.2	73.2	90.7	117.7	149.5	184.5	209.9	222.7	232.2
82.5°	27.0	30.2	33.4	39.8	49.3	63.6	84.3	108.2	128.8	132.0	140.0
85°	11.1	12.7	14.3	17.5	22.3	28.6	35.0	49.3	62.0	66.8	71.6
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	4.8	8.0	14.3	15.9	17.5
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°	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7	4820.7
2.5°	4852.5	4831.8	4866.8	4890.7	4913.0	4889.1	4881.1	4860.5	4857.3	4857.3	4868.4
5°	4897.0	4882.7	4919.3	4933.6	4932.0	4879.6	4847.7	4806.4	4785.7	4785.7	4788.9
7.5°	4976.6	4968.6	4989.3	4967.0	4916.1	4809.6	4704.6	4617.1	4558.3	4528.1	4537.6
10°	5108.6	5099.0	5081.5	4998.8	4852.5	4631.4	4416.7	4257.7	4162.3	4108.2	4111.4
12.5°	5237.4	5221.5	5159.5	4976.6	4676.0	4324.5	4043.0	3864.8	3759.9	3696.2	3681.9
15°	5379.0	5337.6	5204.0	4862.1	4388.1	3949.1	3654.9	3462.4	3349.5	3311.4	3309.8
17.5°	5514.1	5441.0	5199.2	4658.5	4043.0	3556.3	3260.5	3141.2	3122.1	3139.6	3144.4
20°	5650.9	5533.2	5146.8	4377.0	3632.6	3165.0	3012.3	3061.6	3133.2	3180.9	3192.1
22.5°	5792.5	5609.6	5027.5	4014.3	3200.0	2901.0	2964.6	3072.8	3161.8	3225.5	3231.8
25°	5951.5	5681.1	4849.3	3570.6	2853.3	2827.8	2953.5	3068.0	3163.4	3236.6	3249.3
27.5°	6042.2	5682.7	4599.6	3114.1	2694.3	2799.2	2926.5	3034.6	3130.0	3209.6	3223.9
30°	6131.2	5639.8	4203.6	2743.6	2648.1	2765.8	2880.3	2980.5	3071.2	3149.1	3166.6
32.5°	6256.9	5600.0	3747.1	2530.4	2621.1	2734.0	2827.8	2916.9	2986.9	3021.9	3031.4
35°	6412.8	5549.1	3262.0	2438.2	2603.6	2708.6	2791.3	2839.0	2748.3	2729.2	2749.9
37.5°	6630.7	5501.4	2778.5	2398.4	2592.5	2699.0	2772.2	2649.7	2538.4	2493.9	2509.8
40°	6866.0	5474.4	2450.9	2366.6	2597.2	2708.6	2692.7	2511.3	2350.7	2256.9	2253.7
42.5°	7066.4	5433.0	2241.0	2345.9	2610.0	2745.1	2584.5	2388.9	2150.3	2094.6	2096.2
45°	7201.6	5328.1	2129.6	2323.7	2621.1	2753.1	2533.6	2220.3	2050.1	2015.1	2013.5
47.5°	7257.3	5137.2	2058.1	2288.7	2619.5	2687.9	2430.2	2150.3	1980.1	1970.6	1977.0
50°	7220.7	4823.9	1984.9	2220.3	2581.3	2619.5	2310.9	2088.3	1932.4	1984.9	2023.1
52.5°	7085.5	4418.3	1897.4	2126.5	2512.9	2541.6	2250.5	2050.1	1897.4	1967.4	1997.6
55°	7050.5	4089.1	1786.1	2004.0	2411.1	2403.2	2186.9	2031.0	1873.6	1846.5	1851.3
57.5°	7004.4	3767.8	1601.6	1784.5	2153.5	2166.2	2126.5	2008.8	1811.5	1803.6	1811.5
60°	6085.1	2888.3	1428.2	1539.6	1768.6	1837.0	2058.1	1967.4	1711.3	1677.9	1676.4
62.5°	3974.6	1749.5	1270.8	1342.4	1441.0	1520.5	1876.8	1848.1	1601.6	1580.9	1595.2
65°	2137.6	1246.9	1156.3	1199.2	1253.3	1313.7	1555.5	1646.1	1447.3	1374.2	1375.8
67.5°	1092.7	1060.8	1070.4	1100.6	1142.0	1172.2	1254.9	1334.4	1234.2	1172.2	1170.6
70°	935.2	960.6	975.0	992.5	1019.5	1014.7	1022.7	1037.0	1029.0	998.8	997.2
72.5°	796.8	836.6	839.8	842.9	852.5	830.2	815.9	792.1	793.6	798.4	800.0
75°	606.0	644.1	653.7	648.9	658.5	629.8	610.7	586.9	558.3	553.5	556.7
77.5°	394.4	424.7	439.0	435.8	440.6	418.3	408.7	383.3	349.9	337.2	337.2
80°	238.6	256.1	267.2	270.4	275.2	259.2	243.3	221.1	206.8	192.4	192.4
82.5°	144.7	155.9	163.8	163.8	168.6	151.1	138.4	122.5	116.1	103.4	103.4
85°	73.2	81.1	84.3	82.7	79.5	65.2	60.4	52.5	49.3	42.9	42.9
87.5°	17.5	22.3	22.3	15.9	15.9	8.0	4.8	1.6	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)