

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: P635739

Luminaire Tested: GWS-SA3E-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18083.5 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

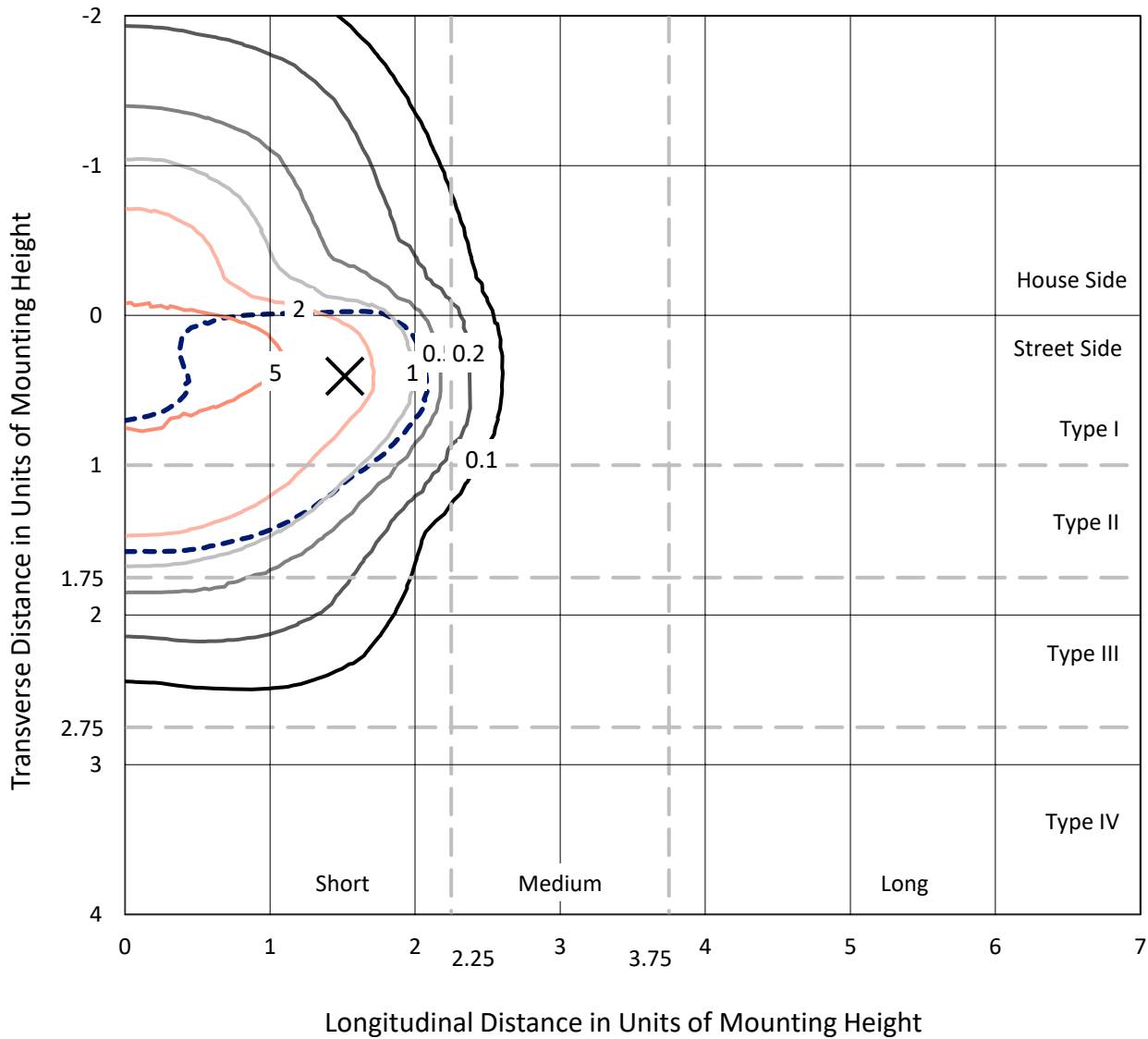
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

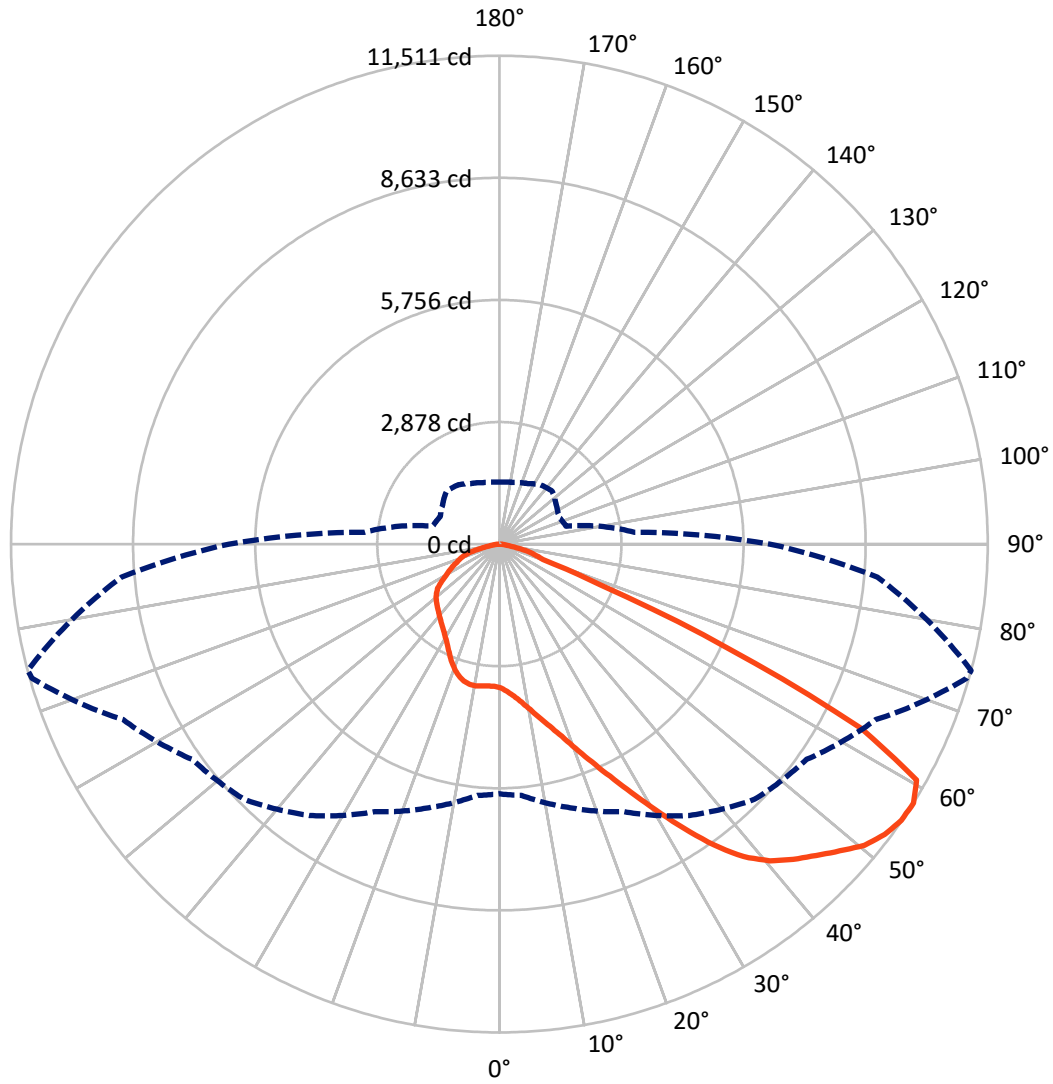
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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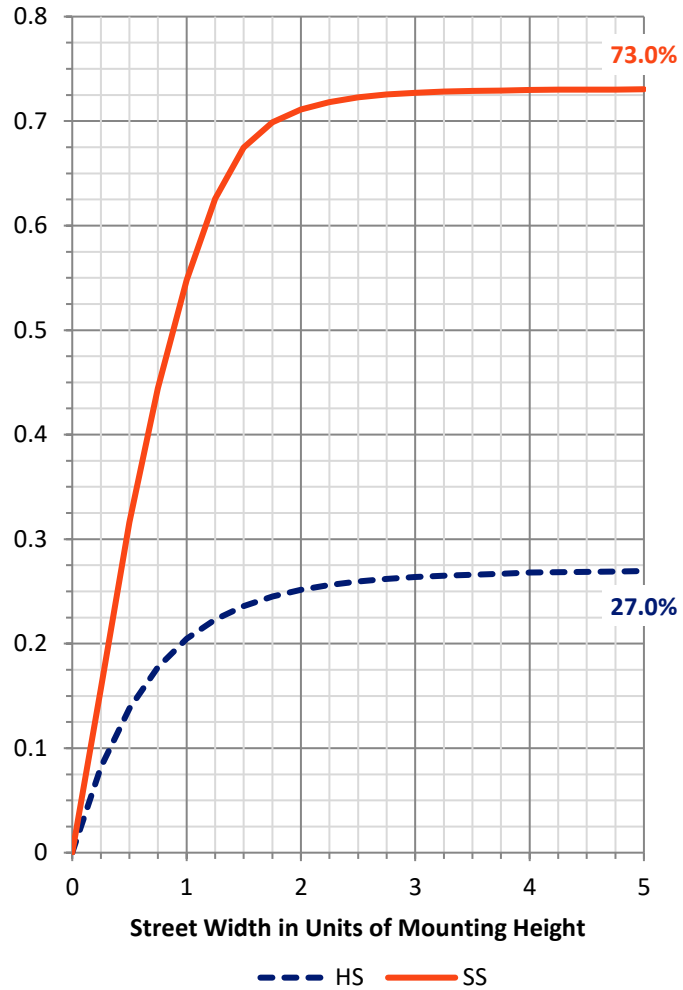
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4891.9	0.0	4891.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	13191.5	0.0	13191.5
	% Fixture	72.9	0.0	72.9
Total	Lumens	18083.5	0.0	18083.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.9	1.9
10°-20°	1079.0	6.0
20°-30°	1913.5	10.6
30°-40°	2929.3	16.2
40°-50°	4078.8	22.6
50°-60°	4673.5	25.8
60°-70°	2401.3	13.3
70°-80°	604.6	3.3
80°-90°	64.6	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°	18083.5	100.0
0°-180°	18083.5	100.0

Coefficient of Utilization



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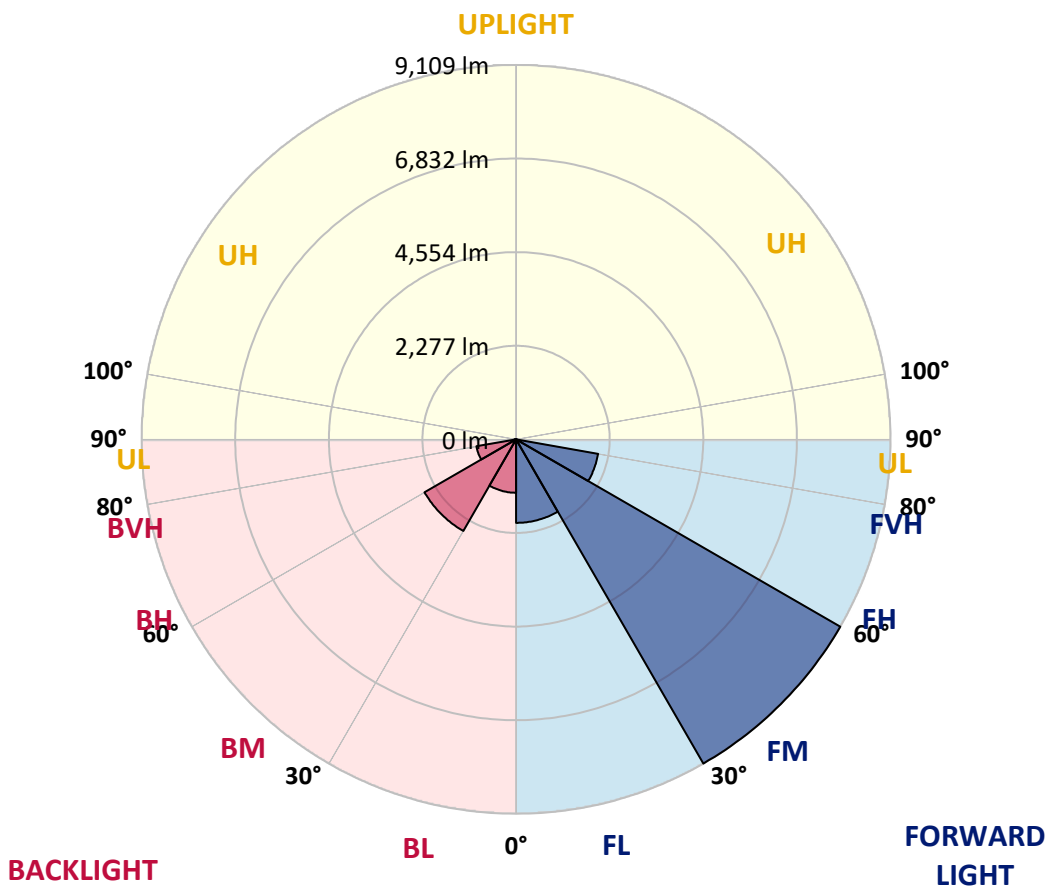
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2031.8	11.2			
FM (30°-60°)	9108.9	50.4			
FH (60°-80°)	2027.0	11.2			G2/5000
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1299.6	7.2	B3/2500		
BM (30°-60°)	2572.7	14.2	B3/5000		
BH (60°-80°)	978.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.7	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°	74°	75°	85°
0°	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6
2.5°	3638.5	3647.8	3638.5	3654.1	3623.0	3609.0	3574.8	3523.4	3483.0	3476.8	3431.7
5°	3921.5	3941.7	3929.3	3923.1	3881.1	3850.0	3798.7	3696.0	3612.1	3599.6	3511.0
7.5°	4103.4	4117.4	4117.4	4122.1	4106.5	4070.8	4016.3	3895.1	3776.9	3758.2	3624.5
10°	4164.1	4174.9	4195.2	4234.0	4265.1	4276.0	4240.3	4123.6	3979.0	3960.4	3773.8
12.5°	4178.1	4190.5	4221.6	4293.1	4378.6	4456.4	4462.6	4377.1	4215.4	4195.2	3946.4
15°	4204.5	4216.9	4258.9	4347.5	4473.5	4622.8	4714.5	4655.4	4476.6	4454.8	4142.3
17.5°	4201.4	4215.4	4277.6	4395.7	4565.2	4781.4	4958.6	4983.5	4798.5	4761.2	4364.6
20°	4193.6	4206.0	4272.9	4417.5	4627.4	4924.4	5244.7	5373.8	5174.8	5140.5	4624.3
22.5°	4255.8	4269.8	4321.1	4440.8	4660.1	5034.8	5509.1	5820.0	5621.0	5572.8	4922.9
25°	4395.7	4416.0	4447.1	4529.5	4719.2	5132.8	5779.6	6325.4	6121.7	6064.2	5247.8
27.5°	4611.9	4636.8	4680.3	4719.2	4851.3	5257.2	6048.6	6891.4	6687.7	6627.0	5591.5
30°	4876.2	4908.9	4964.8	4991.3	5081.5	5440.6	6340.9	7474.5	7356.3	7272.3	5978.6
32.5°	5241.6	5286.7	5339.6	5347.4	5401.8	5719.0	6630.2	8052.9	8051.4	7992.3	6418.7
35°	5717.4	5765.6	5776.5	5787.4	5813.8	6101.5	6980.0	8580.0	8783.7	8715.3	6897.6
37.5°	6236.8	6306.7	6323.8	6275.6	6313.0	6561.7	7373.4	9003.0	9421.2	9348.2	7361.0
40°	6791.9	6819.9	6866.5	6790.3	6837.0	7088.9	7759.0	9273.5	9897.0	9819.3	7726.4
42.5°	7189.9	7241.2	7311.2	7283.2	7309.7	7539.8	8029.6	9404.1	10236.0	10158.3	7989.2
45°	7622.2	7637.7	7682.8	7676.6	7692.2	7906.7	8223.9	9461.7	10539.2	10469.2	8213.1
47.5°	7998.5	8021.8	8051.4	8017.1	7982.9	8122.9	8382.5	9511.4	10889.1	10805.1	8447.9
50°	8360.8	8381.0	8416.8	8317.2	8189.7	8225.5	8460.3	9579.8	11217.2	11158.1	8632.9
52.5°	8427.6	8449.4	8617.3	8637.6	8474.3	8348.3	8597.1	9730.7	11410.0	11372.7	8699.8
55°	7586.4	7625.3	7959.6	8343.7	8746.4	8706.0	8816.4	9810.0	11486.2	11495.5	8819.5
57.5°	5888.5	5944.4	6432.7	6959.8	7807.2	8508.5	8844.4	9789.7	11459.7	11511.0	8942.3
60°	3862.4	3895.1	4473.5	5064.4	5942.9	6913.2	7916.1	9425.9	11224.9	11298.0	8911.2
62.5°	2332.4	2369.7	2834.6	3282.4	3800.2	4448.6	5369.1	7575.5	9408.8	9572.1	7137.1
65°	1628.0	1677.8	2085.1	2453.7	2632.5	2498.7	2719.5	4230.9	5862.0	5930.4	4361.5
67.5°	1180.2	1214.4	1548.7	1987.2	2184.7	1764.8	1345.0	1873.7	2553.2	2578.0	1799.0
70°	772.8	811.7	1114.9	1512.9	1783.5	1430.5	1006.0	1013.8	1074.4	1086.9	1044.9
72.5°	424.5	447.8	688.8	1004.5	1054.2	855.2	785.2	842.8	884.7	884.7	895.6
75°	219.2	239.5	281.4	331.2	399.6	468.0	566.0	651.5	696.6	699.7	695.0
77.5°	112.0	119.7	150.8	163.3	178.8	208.4	270.6	346.7	387.2	402.7	399.6
80°	52.9	56.0	63.8	74.6	91.7	116.6	146.2	174.2	199.0	202.1	219.2
82.5°	28.0	31.1	34.2	40.4	49.8	62.2	85.5	102.6	118.2	121.3	135.3
85°	10.9	12.4	14.0	15.5	21.8	26.4	35.8	48.2	59.1	59.1	70.0
87.5°	0.0	0.0	0.0	0.0	1.6	3.1	6.2	7.8	10.9	10.9	18.7
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°	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6	3386.6
2.5°	3420.8	3375.7	3355.5	3322.9	3296.4	3266.9	3243.6	3226.4	3215.6	3209.3	3203.1
5°	3476.8	3408.4	3354.0	3288.6	3243.6	3200.0	3164.3	3139.4	3126.9	3117.6	3111.4
7.5°	3563.9	3472.1	3369.5	3268.4	3189.1	3119.2	3074.1	3047.6	3030.5	3024.3	3019.6
10°	3683.6	3556.1	3386.6	3226.4	3108.3	3032.1	3001.0	2988.5	2990.1	2987.0	2985.4
12.5°	3818.9	3644.7	3381.9	3151.8	3021.2	2976.1	2977.7	2997.9	3021.2	3027.4	3029.0
15°	3965.0	3731.8	3336.8	3055.4	2952.8	2957.4	2997.9	3046.1	3089.6	3106.7	3109.8
17.5°	4123.6	3804.9	3254.4	2949.7	2896.8	2946.6	3021.2	3100.5	3164.3	3192.2	3200.0
20°	4300.9	3867.1	3137.8	2845.5	2843.9	2926.4	3035.2	3139.4	3220.2	3257.5	3263.8
22.5°	4489.0	3905.9	2994.8	2749.1	2789.5	2899.9	3024.3	3133.2	3218.7	3256.0	3263.8
25°	4678.7	3918.4	2837.7	2660.5	2733.5	2857.9	2971.4	3058.5	3139.4	3172.0	3178.2
27.5°	4856.0	3882.6	2688.4	2584.3	2682.2	2795.7	2871.9	2918.6	2974.6	2999.4	3004.1
30°	5036.4	3811.1	2562.5	2523.6	2624.7	2710.2	2744.4	2747.5	2769.3	2769.3	2772.4
32.5°	5218.3	3705.4	2452.1	2464.5	2553.2	2609.1	2613.8	2578.0	2551.6	2508.1	2506.5
35°	5428.2	3598.1	2361.9	2397.7	2469.2	2503.4	2489.4	2421.0	2357.3	2285.7	2282.6
37.5°	5622.6	3487.7	2285.7	2329.3	2374.4	2399.2	2366.6	2284.2	2231.3	2158.2	2147.3
40°	5782.7	3388.2	2212.6	2257.7	2279.5	2301.3	2248.4	2181.5	2189.3	2148.9	2147.3
42.5°	5876.0	3291.8	2144.2	2178.4	2192.4	2208.0	2161.3	2111.6	2153.6	2122.5	2124.0
45°	5944.4	3207.8	2082.0	2094.5	2128.7	2152.0	2108.5	2052.5	2061.8	1942.1	1914.1
47.5°	6022.2	3161.1	2022.9	2010.5	2071.1	2111.6	2044.7	1963.9	1907.9	1789.7	1778.8
50°	6104.6	3144.0	1960.7	1926.5	1999.6	2038.5	1960.7	1859.7	1786.6	1722.8	1716.6
52.5°	6132.6	3142.5	1883.0	1825.5	1898.6	1953.0	1887.7	1785.0	1698.0	1635.8	1632.7
55°	6243.0	3187.6	1783.5	1687.1	1755.5	1867.5	1819.3	1671.5	1601.6	1573.6	1570.5
57.5°	6372.0	3195.4	1626.4	1536.3	1631.1	1763.3	1702.6	1575.1	1498.9	1464.7	1461.6
60°	6319.2	3004.1	1458.5	1421.2	1525.4	1665.3	1609.3	1498.9	1410.3	1377.7	1374.5
62.5°	4815.6	2120.9	1335.7	1321.7	1411.9	1523.8	1512.9	1397.9	1313.9	1290.6	1287.5
65°	2896.8	1489.6	1217.5	1215.9	1279.7	1387.0	1401.0	1307.7	1219.1	1186.4	1186.4
67.5°	1432.1	1139.8	1083.8	1076.0	1116.4	1192.6	1251.7	1175.5	1100.9	1069.8	1065.1
70°	1012.2	1004.5	985.8	964.0	971.8	1002.9	1027.8	964.0	884.7	853.6	847.4
72.5°	875.4	877.0	864.5	847.4	841.2	819.4	797.7	751.0	702.8	670.2	673.3
75°	679.5	682.6	690.4	684.2	667.1	643.7	620.4	561.3	522.5	491.4	485.1
77.5°	396.5	412.1	436.9	430.7	433.8	401.2	391.8	334.3	298.5	276.8	272.1
80°	223.9	233.2	244.1	251.9	242.6	228.6	208.4	177.3	166.4	150.8	147.7
82.5°	135.3	144.6	149.3	155.5	152.4	133.7	118.2	98.0	88.6	80.9	79.3
85°	68.4	74.6	79.3	82.4	73.1	60.6	54.4	43.5	37.3	32.7	32.7
87.5°	17.1	18.7	21.8	18.7	17.1	7.8	6.2	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)