

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: P635726

Luminaire Tested: GWS-SA3E-735-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21252.4 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

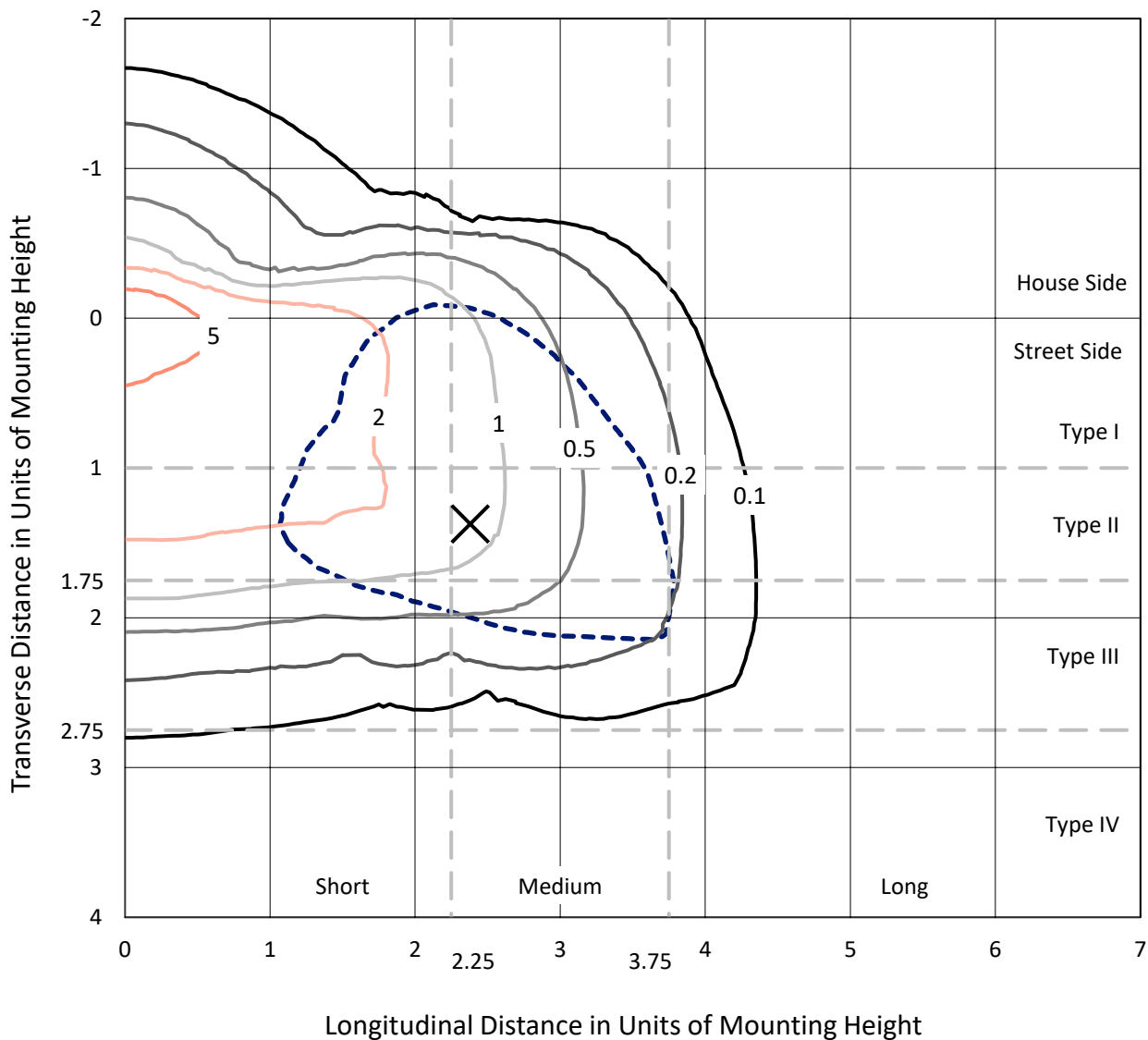
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635726
 CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

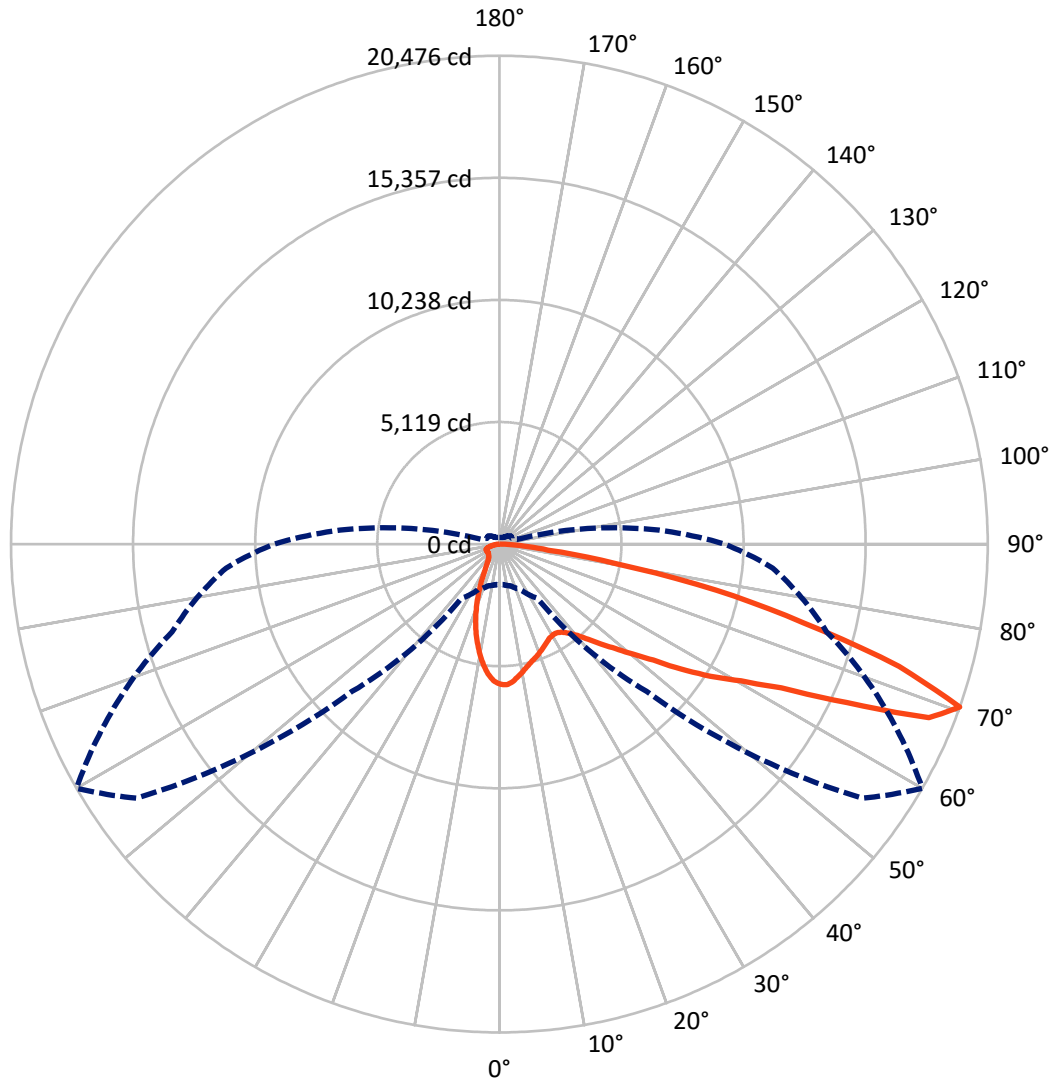
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P635726
CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P635726

CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

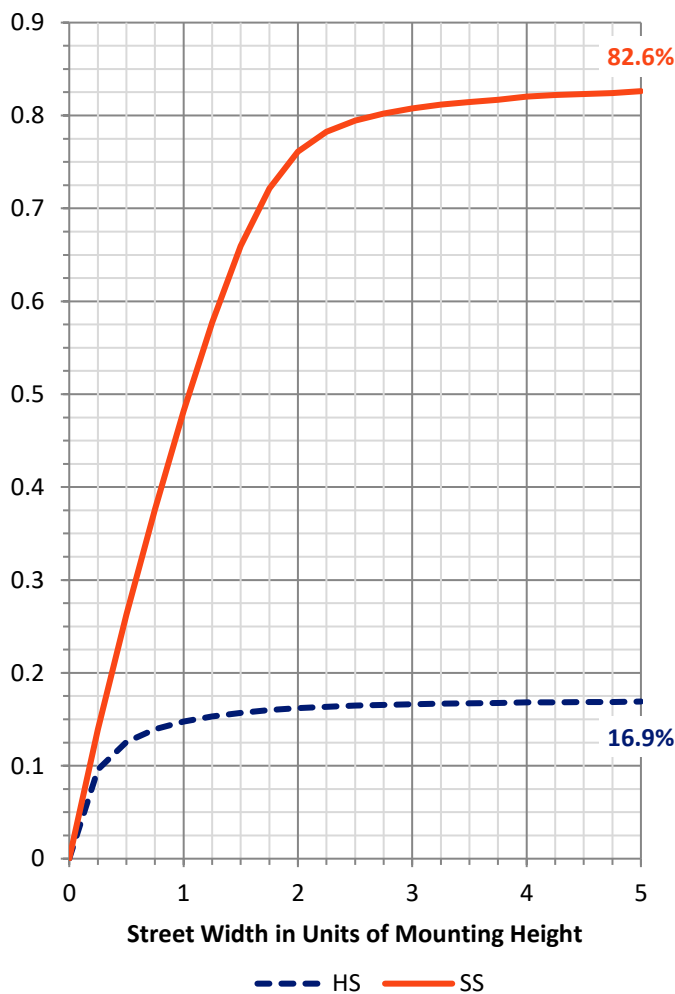
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3634.7	0.0	3634.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	17617.7	0.0	17617.7
	% Fixture	82.9	0.0	82.9
Total	Lumens	21252.4	0.0	21252.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.9	2.4
10°-20°	1135.6	5.3
20°-30°	1454.4	6.8
30°-40°	1911.4	9.0
40°-50°	2773.1	13.0
50°-60°	4326.7	20.4
60°-70°	5664.5	26.7
70°-80°	3132.3	14.7
80°-90°	347.6	1.6
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°	21252.4	100.0
0°-180°	21252.4	100.0

Coefficient of Utilization



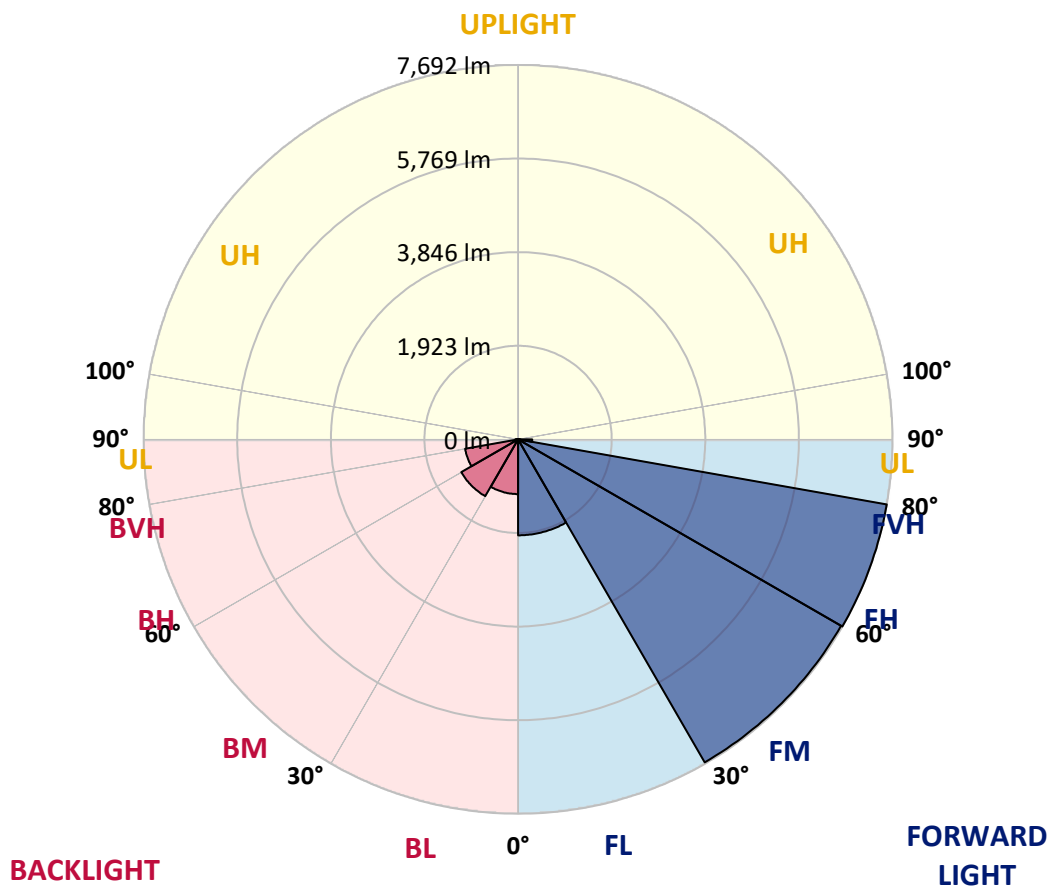
REPORT NUMBER: P635726

CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1972.4	9.3			
FM (30°-60°)	7663.5	36.1			
FH (60°-80°)	7692.2	36.2			G4/12000
FVH (80°-90°)	289.6	1.4			G3/500
BL (0°-30°)	1124.5	5.3	B3/2500		
BM (30°-60°)	1347.6	6.3	B2/2500		
BH (60°-80°)	1104.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	58.0	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-G4
 Type III Medium





REPORT NUMBER: P635726
 CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8
2.5°	5798.4	5804.6	5821.7	5846.6	5871.5	5883.9	5915.0	5905.7	5899.5	5887.0	5871.5
5°	5541.8	5554.3	5569.8	5618.0	5672.5	5716.0	5786.0	5793.7	5796.8	5803.1	5778.2
7.5°	5215.3	5218.4	5255.7	5319.5	5391.0	5465.6	5582.3	5614.9	5642.9	5674.0	5653.8
10°	4854.5	4862.3	4890.3	4982.1	5104.9	5215.3	5372.3	5426.8	5485.9	5554.3	5526.3
12.5°	4559.1	4560.7	4605.8	4703.7	4837.4	4986.7	5182.6	5248.0	5325.7	5433.0	5408.1
15°	4324.3	4324.3	4366.3	4450.3	4604.2	4779.9	5013.2	5097.1	5202.9	5347.5	5303.9
17.5°	4137.7	4139.3	4165.7	4254.3	4391.2	4585.5	4862.3	4975.8	5092.5	5283.7	5218.4
20°	4039.8	4032.0	4036.6	4091.1	4207.7	4395.8	4711.5	4843.7	5000.7	5240.2	5140.7
22.5°	4035.1	4021.1	4000.9	4005.5	4074.0	4229.5	4549.8	4709.9	4907.4	5204.4	5061.4
25°	4114.4	4098.8	4063.1	4022.7	4016.4	4109.7	4397.4	4579.3	4811.0	5188.9	4985.2
27.5°	4248.1	4237.2	4190.6	4129.9	4066.2	4063.1	4282.3	4472.0	4741.0	5204.4	4930.7
30°	4425.4	4406.7	4377.2	4299.4	4203.0	4103.5	4237.2	4414.5	4694.4	5254.2	4907.4
32.5°	4626.0	4615.1	4587.1	4509.3	4406.7	4248.1	4273.0	4426.9	4694.4	5341.2	4912.1
35°	4839.0	4837.4	4837.4	4786.1	4672.6	4475.1	4414.5	4532.7	4765.9	5481.2	4961.8
37.5°	5045.8	5044.3	5094.0	5112.7	4983.6	4770.6	4655.5	4744.1	4923.0	5688.0	5084.7
40°	5213.7	5220.0	5328.8	5422.1	5350.6	5153.1	4991.4	5036.5	5178.0	5981.9	5299.3
42.5°	5383.2	5400.3	5563.6	5728.4	5756.4	5585.4	5422.1	5448.5	5543.4	6370.6	5619.6
45°	5568.3	5576.0	5804.6	6034.8	6170.0	6069.0	5935.2	5971.0	5992.8	6851.1	6097.0
47.5°	5747.1	5767.3	6062.7	6378.4	6635.0	6625.6	6551.0	6540.1	6544.8	7435.8	6661.4
50°	5991.2	6020.8	6367.5	6748.5	7124.8	7297.4	7319.1	7236.7	7202.5	8085.7	7364.2
52.5°	6454.6	6454.6	6765.6	7140.3	7645.7	8073.3	8219.5	8084.2	7975.3	8773.0	8110.6
55°	7034.6	7059.5	7306.7	7609.9	8250.6	8889.6	9384.1	9234.8	8927.0	9520.9	8892.7
57.5°	7292.7	7323.8	7715.7	8186.8	9042.0	9817.9	10503.7	10450.8	10001.4	10298.4	9704.4
60°	6826.2	6891.5	7431.1	8221.0	9758.9	11315.4	11798.9	11645.0	11002.8	11114.8	10584.5
62.5°	5694.2	5765.7	6364.4	7466.9	9659.3	12934.1	13840.6	13273.0	12253.0	12145.7	11757.0
65°	3397.6	3394.5	4114.4	5576.0	8432.5	13383.4	17071.8	16012.9	14184.2	13560.7	12963.6
67.5°	2159.8	2155.2	2306.0	2954.4	5611.8	12282.5	19149.2	19424.4	16807.4	14601.0	13063.1
70°	1704.2	1702.7	1811.5	2107.0	2775.6	8740.4	18570.7	20475.6	18391.9	14204.5	11502.0
72.5°	1242.4	1245.5	1413.4	1764.9	2141.2	4388.1	15037.9	17519.6	16916.3	12539.1	9337.5
75°	892.5	897.2	998.3	1351.2	1974.8	2399.3	9999.9	13173.5	12870.3	10051.2	6423.5
77.5°	567.6	573.8	662.4	947.0	1595.4	1937.5	6062.7	9300.1	8563.1	5663.1	2284.2
80°	346.8	367.0	441.6	705.9	1275.1	1453.9	3030.6	4899.6	4288.5	1553.4	768.1
82.5°	178.8	194.4	265.9	436.9	878.5	1276.6	1715.1	2058.8	1327.9	650.0	409.0
85°	56.0	65.3	93.3	177.3	418.3	791.5	1135.1	1023.2	609.5	306.3	189.7
87.5°	14.0	14.0	15.5	15.5	17.1	35.8	219.2	231.7	161.7	96.4	77.7
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: P635726
 CATALOG NUMBER: GWS-SA3E-735-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8	5880.8
2.5°	5840.4	5803.1	5787.5	5786.0	5747.1	5691.1	5653.8	5627.4	5611.8	5608.7	5608.7
5°	5736.2	5688.0	5624.2	5576.0	5471.9	5366.1	5277.5	5227.7	5170.2	5162.4	5160.9
7.5°	5597.8	5527.8	5406.6	5271.3	5089.3	4913.6	4764.4	4663.3	4562.2	4543.6	4537.3
10°	5448.5	5353.7	5146.9	4909.0	4636.9	4374.1	4145.5	3966.7	3848.5	3764.5	3749.0
12.5°	5300.8	5174.9	4871.7	4517.1	4143.9	3784.7	3441.1	3148.8	2937.3	2814.5	2792.7
15°	5162.4	4986.7	4571.5	4119.1	3633.9	3142.6	2655.9	2276.4	1979.4	1873.7	1848.8
17.5°	5036.5	4817.2	4280.8	3707.0	3102.1	2459.9	1906.4	1568.9	1394.8	1341.9	1329.5
20°	4910.5	4643.1	3985.3	3273.2	2537.7	1817.7	1393.2	1234.6	1169.3	1149.1	1142.9
22.5°	4775.2	4451.8	3663.5	2845.6	1967.0	1360.6	1139.8	1069.8	1049.6	1051.1	1049.6
25°	4640.0	4257.4	3326.0	2380.6	1464.8	1104.0	995.2	968.7	973.4	987.4	990.5
27.5°	4528.0	4084.8	2994.8	1870.6	1144.4	950.1	898.8	897.2	914.3	933.0	936.1
30°	4447.2	3930.9	2668.3	1438.3	942.3	844.3	824.1	833.5	853.7	867.7	872.3
32.5°	4389.6	3798.7	2320.0	1130.4	825.7	769.7	760.4	769.7	782.1	796.1	799.2
35°	4369.4	3702.3	1977.9	922.1	746.4	715.3	709.1	713.7	719.9	727.7	730.8
37.5°	4414.5	3654.1	1620.3	802.4	698.2	679.5	670.2	667.1	668.6	671.7	673.3
40°	4548.2	3675.9	1327.9	732.4	667.1	650.0	634.4	628.2	626.6	629.8	628.2
42.5°	4778.4	3767.6	1116.5	692.0	642.2	617.3	600.2	594.0	594.0	601.8	601.8
45°	5115.8	3948.0	964.1	662.4	620.4	589.3	570.7	567.6	573.8	586.2	587.8
47.5°	5610.3	4212.4	872.3	640.6	600.2	564.4	545.8	544.2	556.7	576.9	578.4
50°	6196.5	4593.3	822.6	625.1	586.2	544.2	525.6	527.1	541.1	562.9	567.6
52.5°	6902.4	5112.7	825.7	618.9	578.4	531.8	513.1	510.0	524.0	545.8	550.5
55°	7631.7	5744.0	886.3	620.4	567.6	525.6	500.7	489.8	502.2	517.8	519.4
57.5°	8434.0	6456.1	1037.2	617.3	553.6	519.4	489.8	464.9	472.7	482.0	486.7
60°	9339.0	7294.3	1362.1	623.5	547.3	505.4	468.0	435.4	433.8	440.1	441.6
62.5°	10548.8	8434.0	1727.5	634.4	561.3	488.3	435.4	401.2	395.0	398.1	399.6
65°	11474.0	8978.3	1612.5	625.1	590.9	475.8	404.3	368.5	356.1	353.0	353.0
67.5°	11097.7	8258.3	1122.7	600.2	604.9	477.4	379.4	334.3	318.8	311.0	309.4
70°	9443.2	6708.0	780.6	575.3	589.3	474.3	353.0	306.3	286.1	275.2	273.7
72.5°	7460.6	5122.0	631.3	525.6	534.9	427.6	314.1	275.2	258.1	244.1	244.1
75°	4801.7	3125.4	527.1	468.0	436.9	332.8	272.1	245.7	228.6	214.6	214.6
77.5°	1615.6	1160.0	409.0	396.5	326.5	250.3	228.6	211.5	197.5	185.0	183.5
80°	656.2	550.5	300.1	300.1	228.6	191.3	178.8	171.0	161.7	146.2	146.2
82.5°	381.0	334.3	209.9	181.9	152.4	132.2	124.4	116.6	116.6	105.7	105.7
85°	183.5	185.0	126.0	112.0	87.1	76.2	73.1	68.4	66.9	60.6	59.1
87.5°	99.5	101.1	63.8	49.8	34.2	29.5	24.9	23.3	21.8	20.2	20.2
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)