

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: P635781

Luminaire Tested: GWS-SA3E-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635781
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-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21547.7 lumens
Efficiency: N/A
Efficacy: 135.3 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

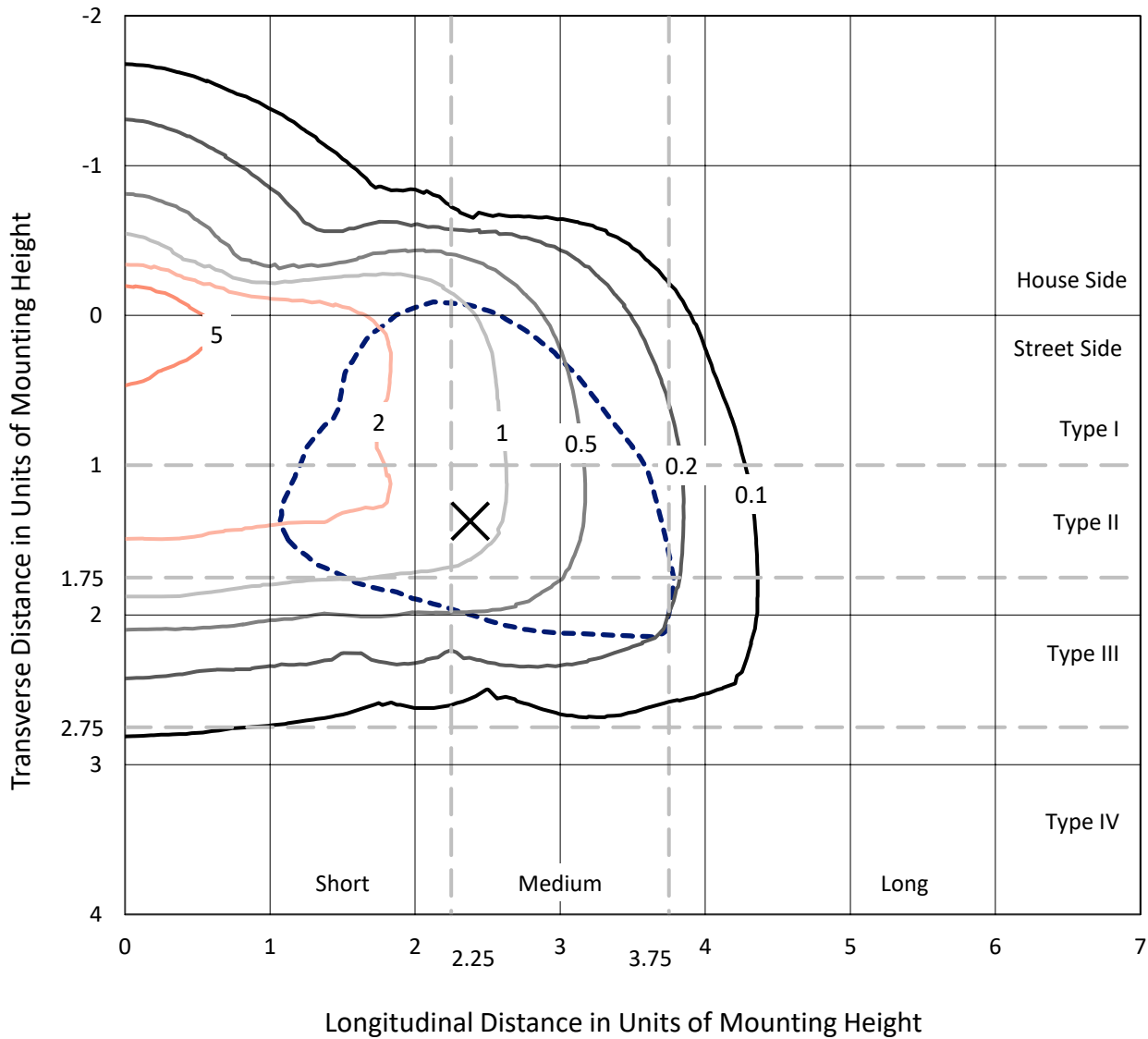
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635781
 CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

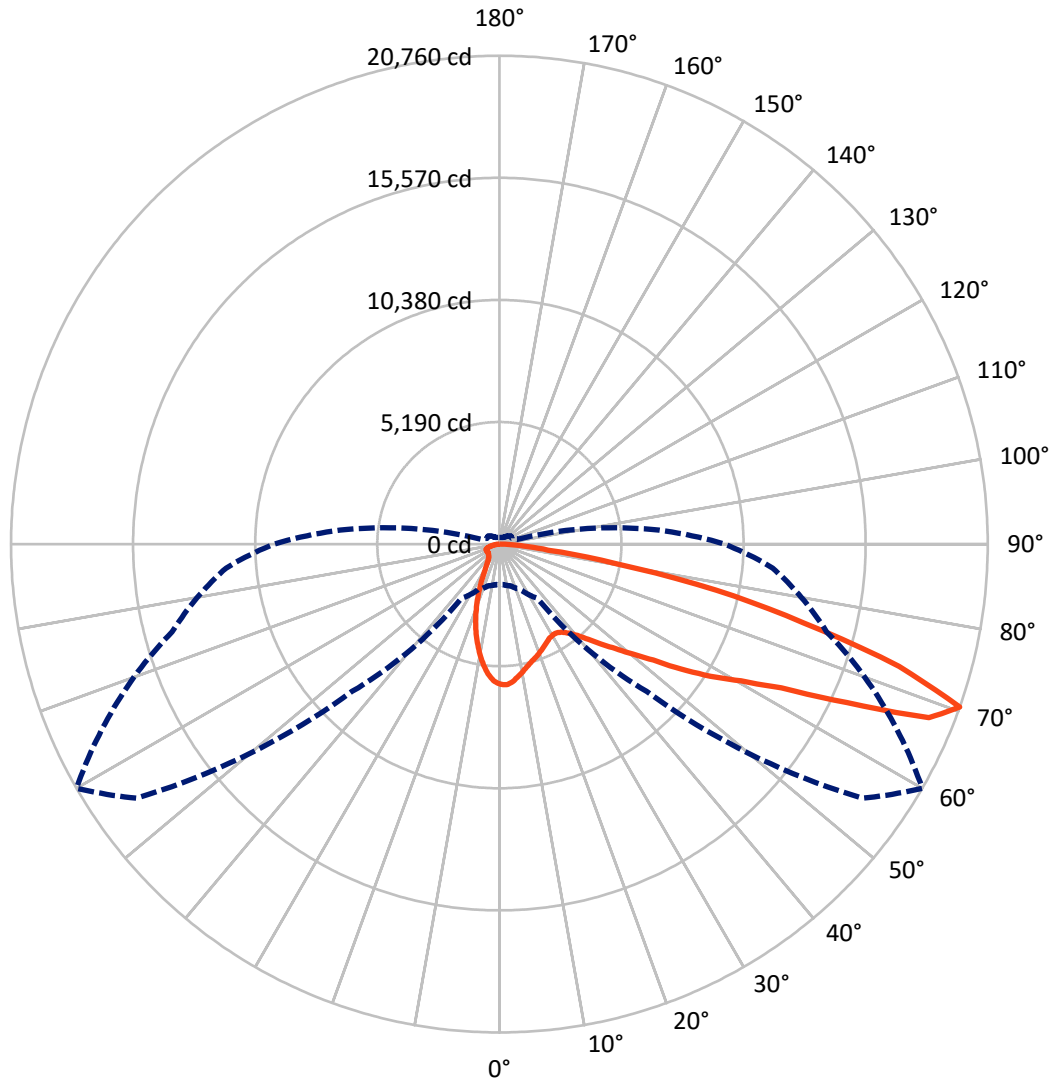
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P635781
CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635781

CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

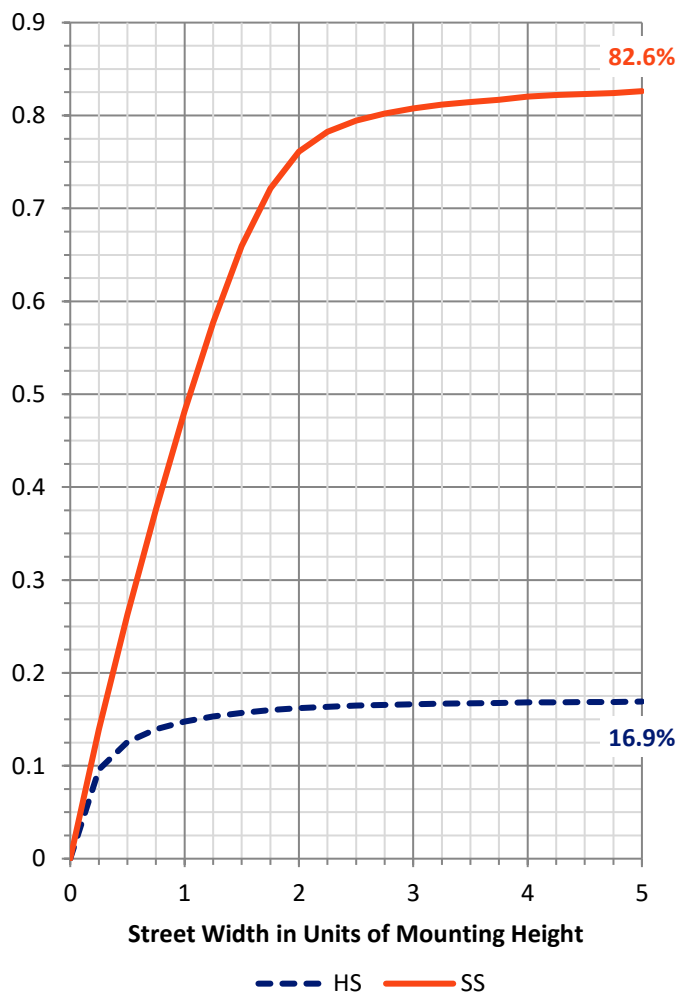
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3685.2	0.0	3685.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	17862.5	0.0	17862.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	21547.7	0.0	21547.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.9	2.4
10°-20°	1151.4	5.3
20°-30°	1474.6	6.8
30°-40°	1937.9	9.0
40°-50°	2811.6	13.0
50°-60°	4386.8	20.4
60°-70°	5743.2	26.7
70°-80°	3175.8	14.7
80°-90°	352.4	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°	21547.7	100.0
0°-180°	21547.7	100.0

Coefficient of Utilization



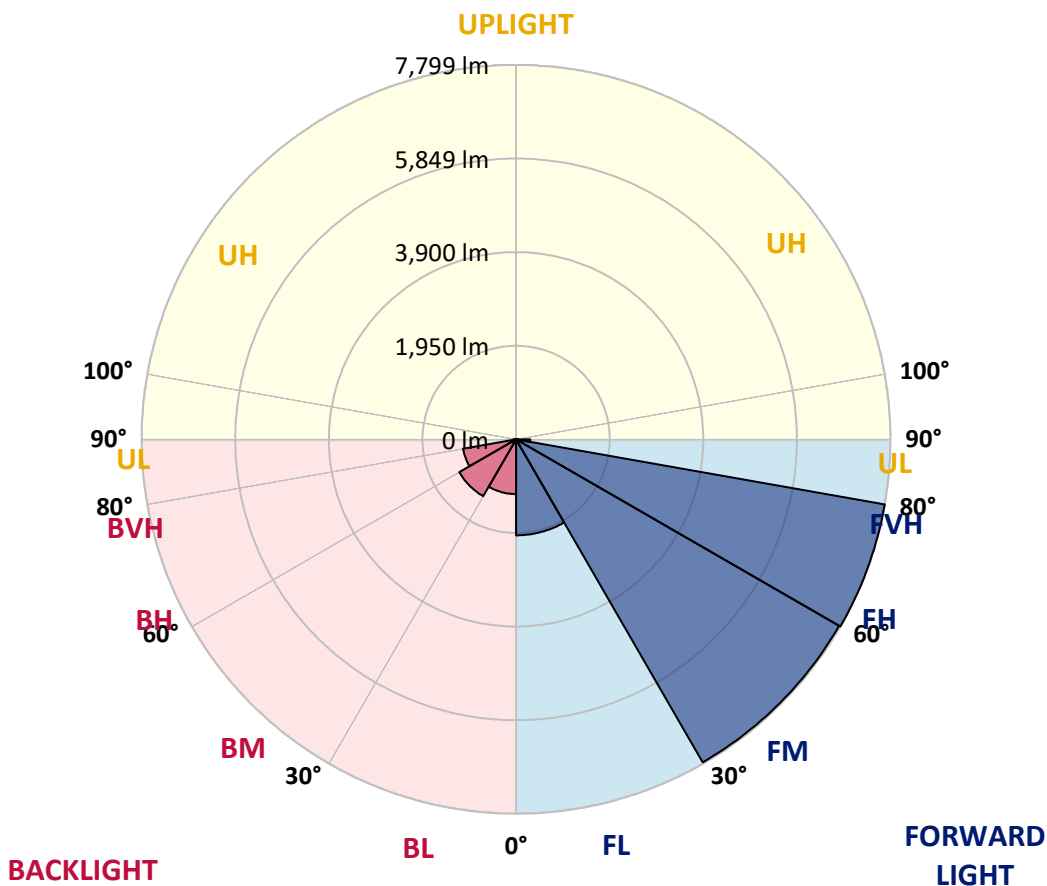
REPORT NUMBER: P635781

CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1999.8	9.3			
FM (30°-60°)	7770.0	36.1			
FH (60°-80°)	7799.1	36.2			G4/12000
FVH (80°-90°)	293.7	1.4			G3/500
BL (0°-30°)	1140.1	5.3	B3/2500		
BM (30°-60°)	1366.3	6.3	B2/2500		
BH (60°-80°)	1119.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	58.8	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: P635781
 CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5
2.5°	5879.0	5885.3	5902.6	5927.8	5953.1	5965.7	5997.2	5987.8	5981.4	5968.8	5953.1
5°	5618.8	5631.5	5647.2	5696.1	5751.3	5795.4	5866.4	5874.2	5877.4	5883.7	5858.5
7.5°	5287.8	5290.9	5328.8	5393.4	5465.9	5541.6	5659.8	5692.9	5721.3	5752.8	5732.4
10°	4922.0	4929.9	4958.3	5051.3	5175.8	5287.8	5447.0	5502.2	5562.1	5631.5	5603.1
12.5°	4622.5	4624.0	4669.8	4769.1	4904.7	5056.0	5254.7	5320.9	5399.7	5508.5	5483.3
15°	4384.4	4384.4	4427.0	4512.1	4668.2	4846.3	5082.8	5167.9	5275.1	5421.8	5377.6
17.5°	4195.2	4196.8	4223.6	4313.5	4452.2	4649.3	4929.9	5045.0	5163.2	5357.1	5290.9
20°	4095.9	4088.0	4092.7	4147.9	4266.2	4456.9	4777.0	4911.0	5070.2	5313.0	5212.1
22.5°	4091.2	4077.0	4056.5	4061.2	4130.6	4288.2	4613.0	4775.4	4975.6	5276.7	5131.7
25°	4171.6	4155.8	4119.5	4078.5	4072.2	4166.8	4458.5	4643.0	4877.9	5261.0	5054.4
27.5°	4307.1	4296.1	4248.8	4187.3	4122.7	4119.5	4341.8	4534.2	4806.9	5276.7	4999.3
30°	4486.9	4468.0	4438.0	4359.2	4261.4	4160.5	4296.1	4475.8	4759.6	5327.2	4975.6
32.5°	4690.2	4679.2	4650.8	4572.0	4468.0	4307.1	4332.4	4488.4	4759.6	5415.5	4980.3
35°	4906.2	4904.7	4904.7	4852.6	4737.5	4537.3	4475.8	4595.7	4832.1	5557.4	5030.8
37.5°	5115.9	5114.3	5164.8	5183.7	5052.9	4836.9	4720.2	4810.1	4991.4	5767.0	5155.3
40°	5286.2	5292.5	5402.9	5497.4	5424.9	5224.7	5060.7	5106.5	5249.9	6065.0	5372.9
42.5°	5458.0	5475.4	5640.9	5808.0	5836.4	5663.0	5497.4	5524.2	5620.4	6459.1	5697.7
45°	5645.6	5653.5	5885.3	6118.6	6255.8	6153.3	6017.7	6054.0	6076.0	6946.3	6181.7
47.5°	5826.9	5847.4	6147.0	6467.0	6727.2	6717.7	6642.0	6631.0	6635.7	7539.1	6754.0
50°	6074.5	6104.4	6456.0	6842.2	7223.8	7398.8	7420.8	7337.3	7302.6	8198.1	7466.6
52.5°	6544.3	6544.3	6859.6	7239.5	7751.9	8185.5	8333.7	8196.5	8086.1	8894.9	8223.3
55°	7132.3	7157.6	7408.2	7715.7	8365.2	9013.2	9514.5	9363.2	9051.0	9653.2	9016.3
57.5°	7394.0	7425.6	7822.9	8300.6	9167.7	9954.4	10649.6	10596.0	10140.4	10441.5	9839.3
60°	6921.1	6987.3	7534.4	8335.2	9894.5	11472.6	11962.9	11806.8	11155.7	11269.2	10731.6
62.5°	5773.3	5845.9	6452.8	7570.6	9793.6	13113.8	14032.9	13457.5	12423.2	12314.5	11920.3
65°	3444.8	3441.6	4171.6	5653.5	8549.7	13569.4	17309.0	16235.4	14381.3	13749.1	13143.7
67.5°	2189.8	2185.1	2338.0	2995.5	5689.8	12453.2	19415.3	19694.3	17041.0	14803.8	13244.6
70°	1727.9	1726.3	1836.7	2136.2	2814.1	8861.8	18828.8	20760.1	18647.5	14401.8	11661.8
72.5°	1259.7	1262.8	1433.1	1789.4	2170.9	4449.0	15246.9	17763.0	17151.3	12713.3	9467.2
75°	904.9	909.7	1012.1	1370.0	2002.2	2432.6	10138.8	13356.6	13049.1	10190.8	6512.7
77.5°	575.4	581.7	671.6	960.1	1617.5	1964.4	6147.0	9429.4	8682.1	5741.8	2316.0
80°	351.6	372.1	447.7	715.8	1292.8	1474.1	3072.7	4967.7	4348.1	1575.0	778.8
82.5°	181.3	197.1	269.6	443.0	890.8	1294.4	1738.9	2087.4	1346.4	659.0	414.6
85°	56.8	66.2	94.6	179.7	424.1	802.5	1150.9	1037.4	618.0	310.6	192.3
87.5°	14.2	14.2	15.8	15.8	17.3	36.3	222.3	234.9	164.0	97.7	78.8
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: P635781
 CATALOG NUMBER: GWS-SA3E-740-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5	5962.5
2.5°	5921.5	5883.7	5867.9	5866.4	5826.9	5770.2	5732.4	5705.5	5689.8	5686.6	5686.6
5°	5815.9	5767.0	5702.4	5653.5	5547.9	5440.7	5350.8	5300.4	5242.0	5234.2	5232.6
7.5°	5675.6	5604.6	5481.7	5344.5	5160.1	4981.9	4830.6	4728.1	4625.6	4606.7	4600.4
10°	5524.2	5428.1	5218.4	4977.2	4701.3	4434.8	4203.1	4021.8	3902.0	3816.8	3801.1
12.5°	5374.5	5246.8	4939.3	4579.9	4201.5	3837.3	3488.9	3192.5	2978.1	2853.6	2831.5
15°	5234.2	5056.0	4635.1	4176.3	3684.4	3186.2	2692.8	2308.1	2007.0	1899.7	1874.5
17.5°	5106.5	4884.2	4340.3	3758.5	3145.2	2494.1	1932.9	1590.7	1414.2	1360.6	1348.0
20°	4978.8	4707.6	4040.7	3318.6	2572.9	1843.0	1412.6	1251.8	1185.6	1165.1	1158.8
22.5°	4841.6	4513.7	3714.4	2885.1	1994.3	1379.5	1155.6	1084.7	1064.2	1065.8	1064.2
25°	4704.4	4316.6	3372.2	2413.7	1485.1	1119.4	1009.0	982.2	986.9	1001.1	1004.3
27.5°	4590.9	4141.6	3036.4	1896.6	1160.3	963.3	911.2	909.7	927.0	945.9	949.1
30°	4508.9	3985.5	2705.4	1458.3	955.4	856.1	835.6	845.0	865.5	879.7	884.4
32.5°	4450.6	3851.5	2352.2	1146.2	837.2	780.4	770.9	780.4	793.0	807.2	810.3
35°	4430.1	3753.8	2005.4	934.9	756.7	725.2	718.9	723.6	729.9	737.8	741.0
37.5°	4475.8	3704.9	1642.8	813.5	707.9	689.0	679.5	676.3	677.9	681.1	682.6
40°	4611.4	3727.0	1346.4	742.6	676.3	659.0	643.2	636.9	635.4	638.5	636.9
42.5°	4844.8	3820.0	1132.0	701.6	651.1	625.9	608.5	602.2	602.2	610.1	610.1
45°	5186.9	4002.9	977.5	671.6	629.0	597.5	578.6	575.4	581.7	594.4	595.9
47.5°	5688.2	4270.9	884.4	649.5	608.5	572.3	553.4	551.8	564.4	584.9	586.5
50°	6282.6	4657.1	834.0	633.8	594.4	551.8	532.9	534.5	548.6	570.7	575.4
52.5°	6998.3	5183.7	837.2	627.5	586.5	539.2	520.3	517.1	531.3	553.4	558.1
55°	7737.7	5823.8	898.6	629.0	575.4	532.9	507.7	496.6	509.2	525.0	526.6
57.5°	8551.2	6545.9	1051.6	625.9	561.3	526.6	496.6	471.4	479.3	488.7	493.5
60°	9468.8	7395.6	1381.1	632.2	554.9	512.4	474.5	441.4	439.9	446.2	447.7
62.5°	10695.3	8551.2	1751.6	643.2	569.1	495.0	441.4	406.8	400.4	403.6	405.2
65°	11633.4	9103.0	1634.9	633.8	599.1	482.4	409.9	373.6	361.0	357.9	357.9
67.5°	11251.9	8373.1	1138.3	608.5	613.3	484.0	384.7	339.0	323.2	315.3	313.7
70°	9574.4	6801.3	791.4	583.3	597.5	480.8	357.9	310.6	290.1	279.1	277.5
72.5°	7564.3	5193.2	640.1	532.9	542.3	433.6	318.5	279.1	261.7	247.5	247.5
75°	4868.4	3168.9	534.5	474.5	443.0	337.4	275.9	249.1	231.8	217.6	217.6
77.5°	1638.0	1176.1	414.6	402.0	331.1	253.8	231.8	214.4	200.2	187.6	186.0
80°	665.3	558.1	304.3	304.3	231.8	193.9	181.3	173.4	164.0	148.2	148.2
82.5°	386.3	339.0	212.8	184.5	154.5	134.0	126.1	118.2	118.2	107.2	107.2
85°	186.0	187.6	127.7	113.5	88.3	77.3	74.1	69.4	67.8	61.5	59.9
87.5°	100.9	102.5	64.6	50.4	34.7	30.0	25.2	23.6	22.1	20.5	20.5
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)