

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: P635780

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635780  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
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-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

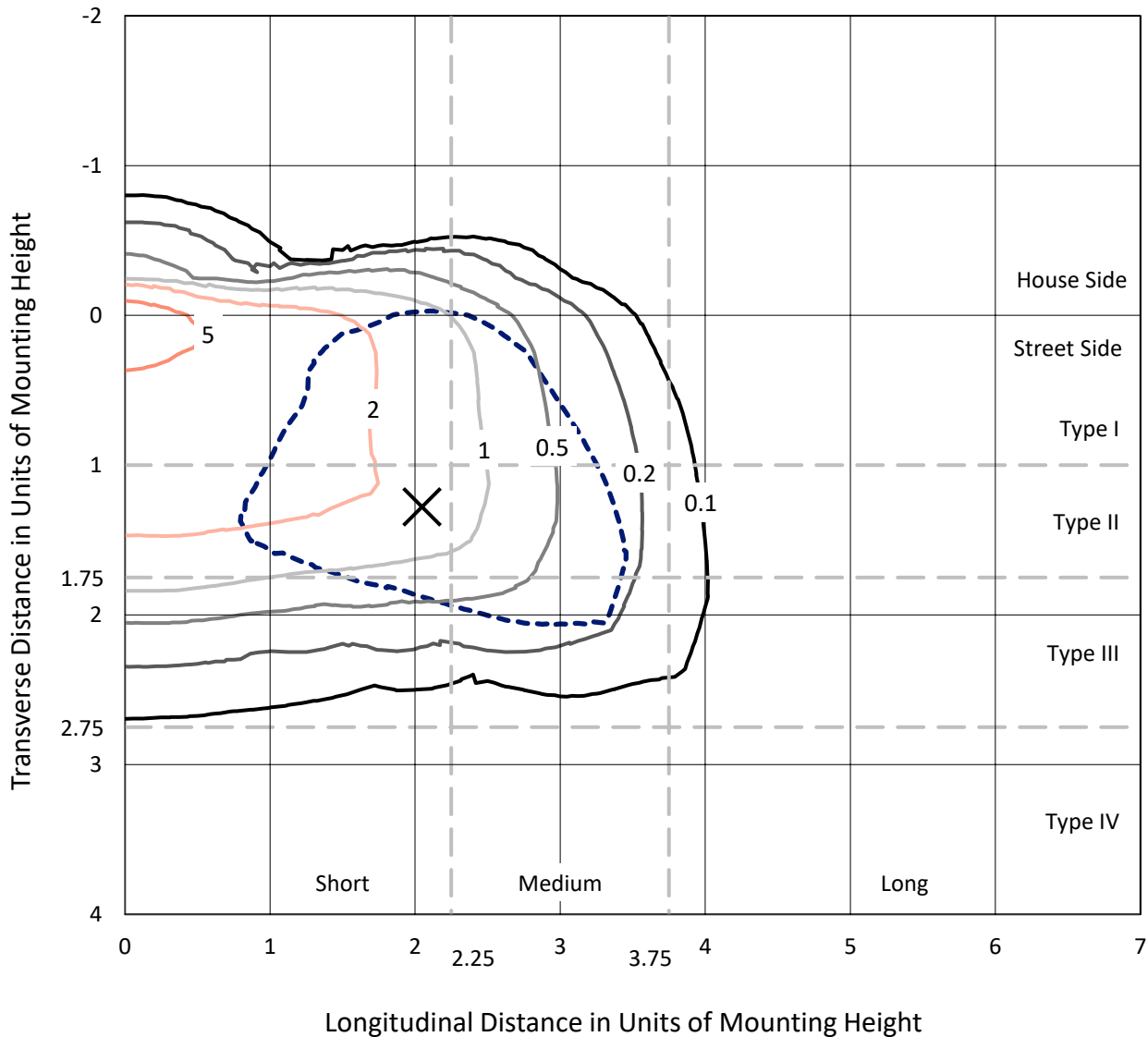
Lumens per Lamp: N/A  
Luminaire Lumens: 17811.4 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

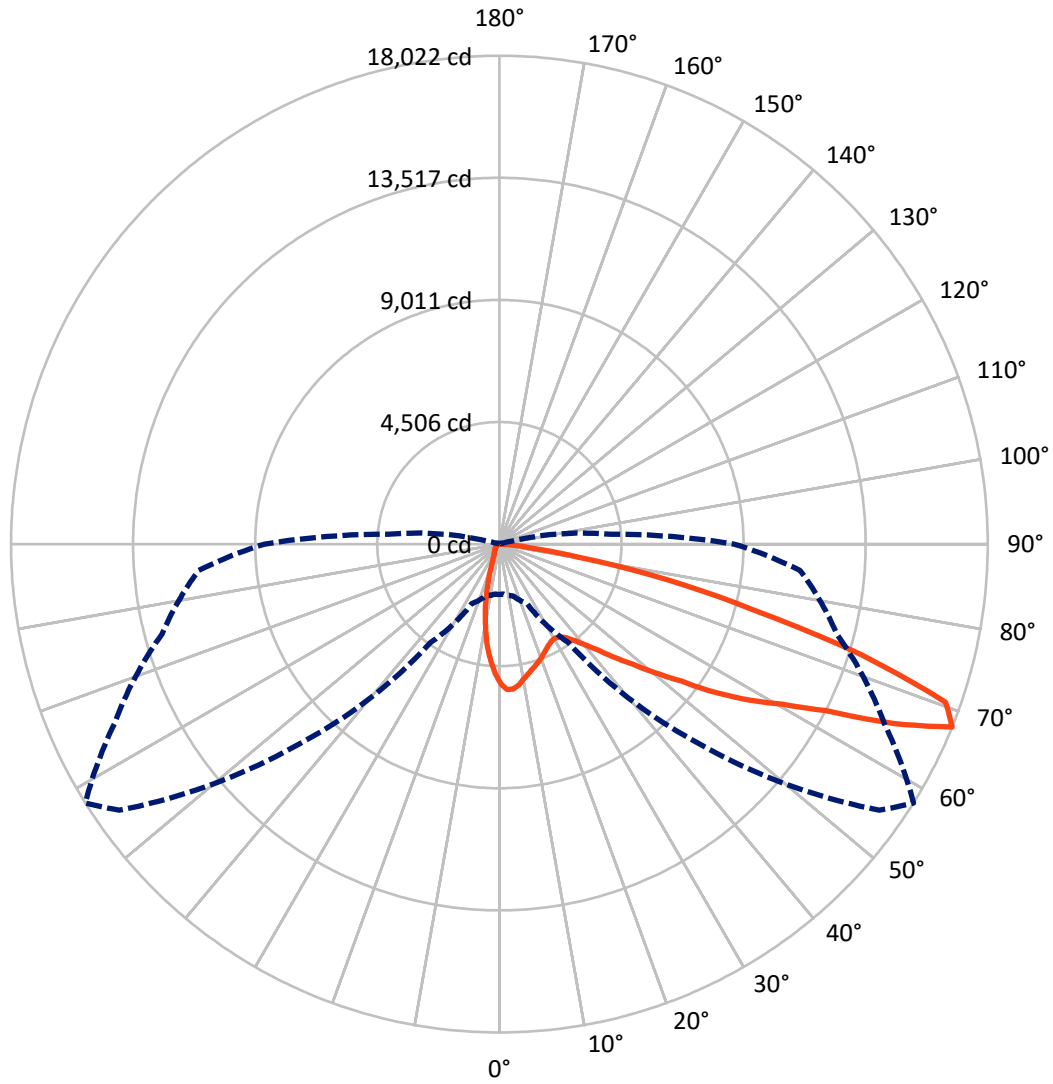
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Short - N/A

REPORT NUMBER: P635780  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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

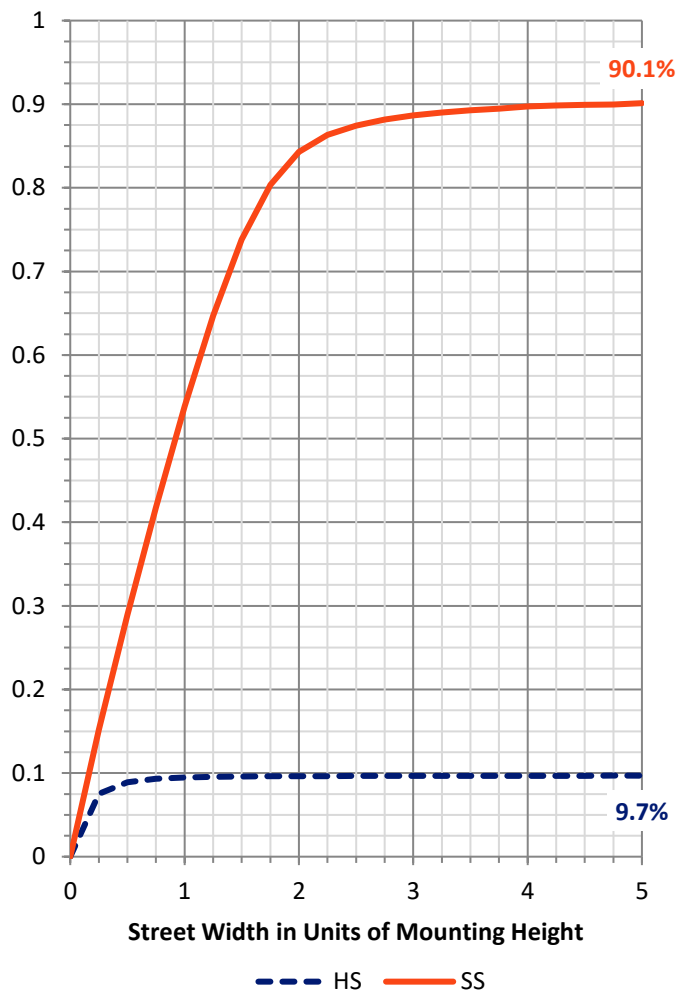
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1740.1	0.0	1740.1
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	16071.3	0.0	16071.3
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	17811.4	0.0	17811.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.5	2.3
10°-20°	869.0	4.9
20°-30°	1172.0	6.6
30°-40°	1646.9	9.2
40°-50°	2543.4	14.3
50°-60°	4067.3	22.8
60°-70°	4815.9	27.0
70°-80°	2130.5	12.0
80°-90°	148.9	0.8
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°	17811.4	100.0
0°-180°	17811.4	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635780

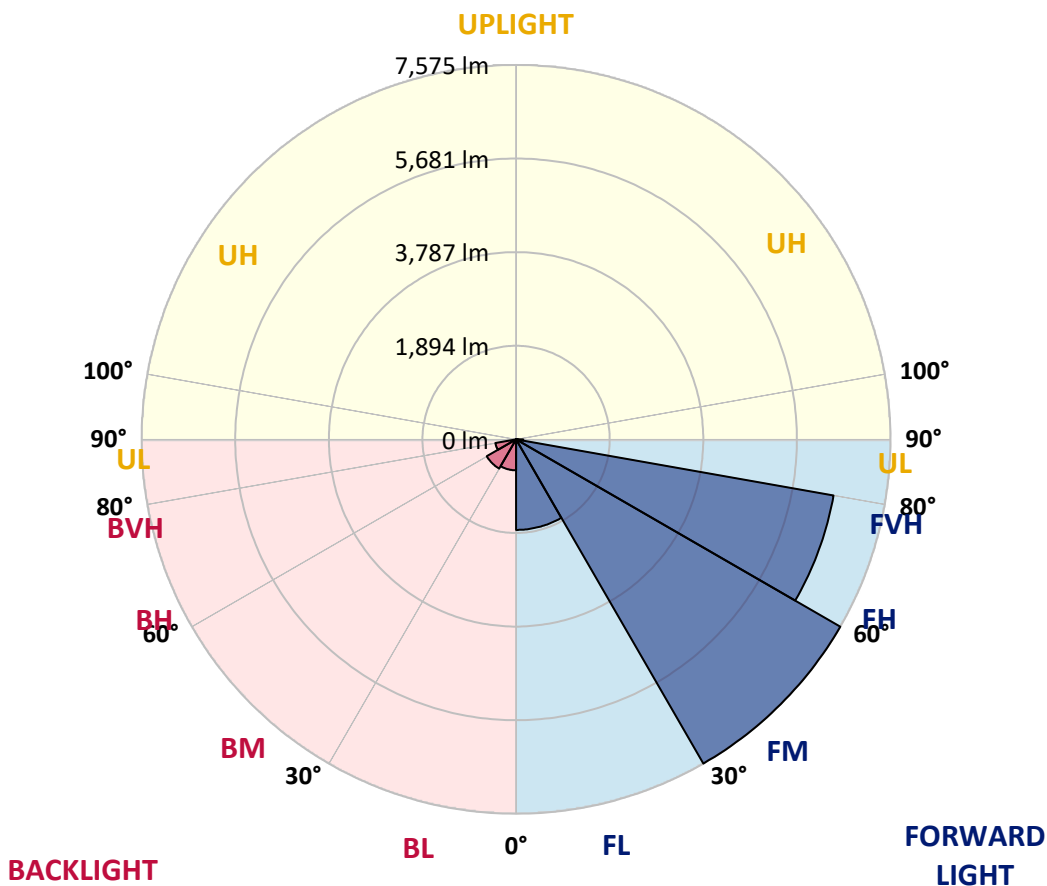
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1832.3	10.3			
FM (30°-60°)	7574.8	42.5			
FH (60°-80°)	6521.6	36.6			G3/7500
FVH (80°-90°)	142.6	0.8			G2/225
BL (0°-30°)	626.2	3.5	B2/1000		
BM (30°-60°)	682.7	3.8	B1/1000		
BH (60°-80°)	424.8	2.4	B1/500		G1/500
BVH (80°-90°)	6.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6
2.5°	5404.1	5413.5	5426.1	5441.9	5438.7	5424.6	5407.2	5367.8	5342.6	5263.8	5167.6
5°	5230.7	5229.1	5260.6	5290.6	5344.2	5372.5	5411.9	5375.7	5363.1	5268.5	5112.4
7.5°	4891.7	4909.1	4945.3	4992.6	5069.9	5153.4	5248.0	5237.0	5274.8	5211.7	5017.8
10°	4559.1	4549.6	4606.4	4677.3	4795.6	4902.8	5039.9	5038.3	5137.6	5131.3	4910.6
12.5°	4267.4	4265.9	4310.0	4390.4	4529.1	4678.9	4864.9	4869.6	4992.6	5043.1	4819.2
15°	4021.5	4024.7	4067.2	4150.8	4294.2	4477.1	4693.1	4732.5	4871.2	4973.7	4729.3
17.5°	3846.5	3848.1	3873.3	3945.8	4086.2	4281.6	4541.7	4595.3	4773.5	4921.7	4656.8
20°	3766.1	3759.8	3764.6	3800.8	3909.6	4087.7	4387.3	4456.6	4683.6	4885.4	4590.6
22.5°	3777.2	3767.7	3745.6	3740.9	3789.8	3925.4	4223.3	4308.4	4585.9	4863.3	4530.7
25°	3874.9	3854.4	3822.9	3775.6	3756.7	3824.5	4079.8	4168.1	4494.5	4864.9	4485.0
27.5°	4024.7	4002.6	3963.2	3900.1	3826.0	3797.7	3982.1	4065.7	4429.8	4901.2	4462.9
30°	4215.4	4198.1	4160.2	4084.6	3985.3	3868.6	3961.6	4031.0	4398.3	4975.3	4472.4
32.5°	4440.9	4428.2	4396.7	4327.3	4213.8	4035.7	4031.0	4084.6	4423.5	5082.5	4508.6
35°	4658.4	4663.1	4664.7	4626.9	4505.5	4289.5	4221.7	4240.6	4527.6	5243.3	4590.6
37.5°	4893.3	4882.3	4939.0	4965.8	4849.2	4619.0	4516.5	4518.1	4726.2	5481.3	4745.1
40°	5071.4	5074.6	5197.5	5307.9	5259.0	5036.8	4890.1	4888.6	5032.0	5807.6	4994.2
42.5°	5238.5	5259.0	5440.3	5629.5	5697.3	5500.2	5394.6	5355.2	5460.8	6249.0	5367.8
45°	5416.7	5446.6	5700.4	5970.0	6148.1	6031.5	5947.9	5963.7	5976.3	6763.0	5870.7
47.5°	5624.8	5643.7	5957.4	6337.3	6670.0	6640.0	6644.7	6625.8	6619.5	7410.9	6536.0
50°	5877.0	5921.1	6282.1	6736.2	7190.2	7388.8	7455.0	7462.9	7360.4	8117.1	7224.9
52.5°	6413.0	6466.6	6775.6	7172.8	7757.7	8175.5	8445.0	8391.4	8233.8	8801.3	7980.0
55°	7045.1	7086.1	7384.1	7795.5	8451.3	9037.8	9677.8	9655.7	9269.5	9521.7	8601.1
57.5°	7105.1	7150.8	7612.7	8243.2	9342.0	10103.5	10776.6	10847.5	10281.6	10032.5	9156.0
60°	6431.9	6524.9	7155.5	8003.6	9682.5	11536.4	11981.0	11995.2	11024.1	10551.2	9833.9
62.5°	5155.0	5199.1	5834.4	6941.1	9157.6	12372.0	13820.7	13521.2	11977.9	11353.6	10907.4
65°	2702.0	2881.7	3435.1	4660.0	7426.6	12080.3	16034.1	15952.1	13693.0	12502.8	11743.0
67.5°	1853.9	1852.3	1983.2	2429.3	4428.2	10401.4	17120.2	18022.0	15676.2	12896.9	11137.6
70°	1410.9	1415.7	1532.3	1822.4	2293.7	6923.8	15928.4	17470.2	16045.1	11709.9	9007.8
72.5°	936.4	945.9	1139.8	1472.4	1831.8	3394.1	12378.3	13978.4	13500.7	9405.1	6340.5
75°	559.6	567.5	706.2	1070.4	1628.5	1899.6	7864.9	9663.6	9293.2	6482.4	3398.8
77.5°	230.2	236.5	362.6	666.8	1191.8	1475.6	4349.4	6323.1	5566.4	2577.5	928.5
80°	96.2	99.3	175.0	466.6	859.2	925.4	2014.7	2971.6	2281.1	554.9	283.8
82.5°	34.7	36.3	64.6	257.0	534.4	696.8	1016.8	1174.5	643.2	181.3	152.9
85°	1.6	1.6	15.8	86.7	203.4	197.1	581.7	562.8	212.8	75.7	91.4
87.5°	0.0	0.0	1.6	1.6	3.2	7.9	55.2	97.7	45.7	18.9	39.4
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°	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6	5137.6
2.5°	5104.5	5021.0	4929.6	4844.4	4708.8	4628.5	4529.1	4485.0	4421.9	4406.2	4415.6
5°	5000.5	4857.0	4637.9	4439.3	4182.3	3975.8	3767.7	3679.4	3565.9	3490.3	3458.7
7.5°	4853.9	4666.3	4324.2	3963.2	3610.1	3233.3	2946.4	2757.2	2585.4	2490.8	2471.9
10°	4705.7	4461.3	3971.1	3454.0	2907.0	2456.1	2068.3	1781.4	1548.1	1442.4	1360.5
12.5°	4552.8	4248.5	3611.6	2936.9	2301.6	1686.8	1207.6	928.5	761.4	695.2	706.2
15°	4412.5	4043.6	3255.4	2419.8	1620.6	1018.4	666.8	562.8	523.4	510.8	509.2
17.5°	4278.5	3849.7	2900.7	1917.0	1068.8	624.3	510.8	485.5	474.5	468.2	468.2
20°	4157.1	3663.7	2553.8	1444.0	690.5	495.0	461.9	449.3	439.8	435.1	435.1
22.5°	4043.6	3483.9	2214.9	1021.5	509.2	444.6	424.1	411.5	400.4	394.1	394.1
25°	3941.1	3321.6	1891.7	703.1	438.3	406.7	384.7	370.5	351.5	340.5	340.5
27.5°	3867.0	3176.5	1581.2	512.3	395.7	365.7	340.5	321.6	301.1	288.5	285.3
30°	3822.9	3053.6	1267.5	420.9	356.3	326.3	297.9	274.3	250.7	238.0	236.5
32.5°	3797.7	2940.1	980.6	367.3	323.2	288.5	257.0	231.7	208.1	193.9	192.3
35°	3807.1	2851.8	734.6	331.1	291.6	255.4	220.7	195.5	175.0	162.4	159.2
37.5°	3889.1	2812.4	551.8	302.7	264.8	227.0	190.8	167.1	148.2	138.7	137.2
40°	4048.3	2820.3	433.5	280.6	242.8	198.6	164.0	141.9	127.7	119.8	118.2
42.5°	4295.8	2886.5	357.9	261.7	219.1	173.4	141.9	124.5	110.4	102.5	100.9
45°	4664.7	3023.6	312.1	239.6	193.9	149.8	123.0	107.2	94.6	85.1	83.6
47.5°	5199.1	3261.7	282.2	219.1	171.8	129.3	105.6	89.9	78.8	70.9	69.4
50°	5768.2	3547.0	257.0	198.6	152.9	111.9	89.9	74.1	64.6	56.8	55.2
52.5°	6375.2	3854.4	238.0	179.7	135.6	96.2	75.7	61.5	52.0	44.1	42.6
55°	6958.4	4163.4	216.0	167.1	115.1	82.0	63.1	50.4	41.0	34.7	34.7
57.5°	7526.0	4447.2	192.3	146.6	94.6	69.4	52.0	41.0	33.1	28.4	26.8
60°	8203.8	4839.7	165.5	124.5	78.8	58.3	42.6	33.1	26.8	22.1	22.1
62.5°	9211.2	5248.0	141.9	104.0	66.2	48.9	34.7	26.8	22.1	18.9	17.3
65°	9540.7	5027.3	119.8	85.1	53.6	39.4	28.4	23.6	18.9	17.3	15.8
67.5°	8661.0	4120.8	99.3	69.4	44.1	33.1	25.2	20.5	17.3	15.8	14.2
70°	6758.2	2924.3	77.2	52.0	36.3	26.8	22.1	18.9	15.8	14.2	14.2
72.5°	4596.9	1729.4	61.5	39.4	30.0	23.6	18.9	17.3	15.8	14.2	12.6
75°	2263.8	614.8	47.3	30.0	23.6	20.5	17.3	15.8	14.2	12.6	12.6
77.5°	610.1	170.3	36.3	23.6	18.9	15.8	15.8	15.8	14.2	11.0	11.0
80°	206.5	70.9	26.8	17.3	15.8	12.6	11.0	14.2	12.6	11.0	9.5
82.5°	113.5	34.7	18.9	14.2	11.0	9.5	9.5	9.5	9.5	7.9	7.9
85°	72.5	18.9	12.6	11.0	11.0	7.9	6.3	6.3	4.7	4.7	4.7
87.5°	33.1	11.0	11.0	9.5	9.5	7.9	4.7	3.2	1.6	1.6	1.6
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)