

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P528506

Luminaire Tested: **GALN-SA3C-750-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528506  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-750-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18321 lumens  
Efficiency: N/A  
Efficacy: 114.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

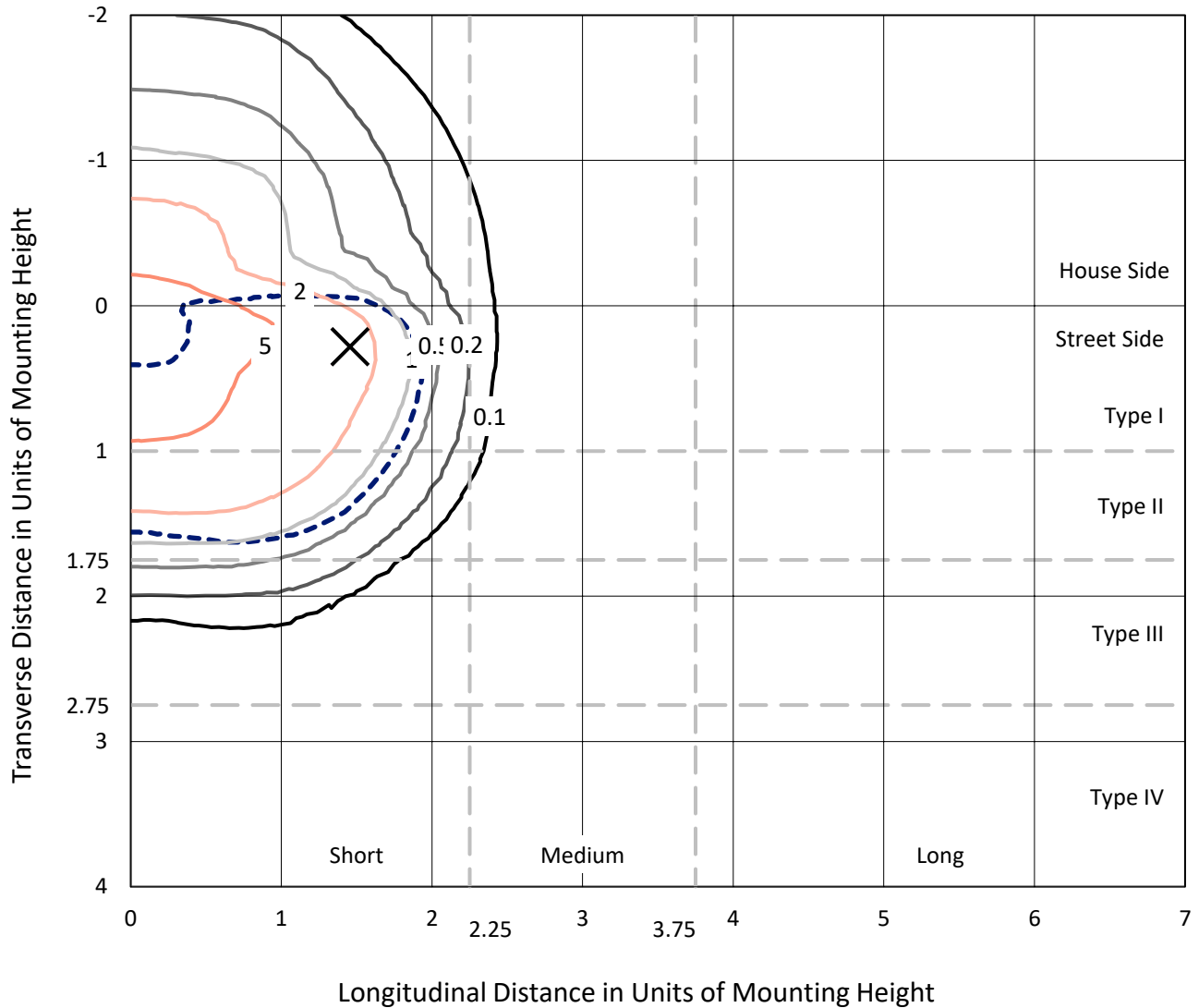
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

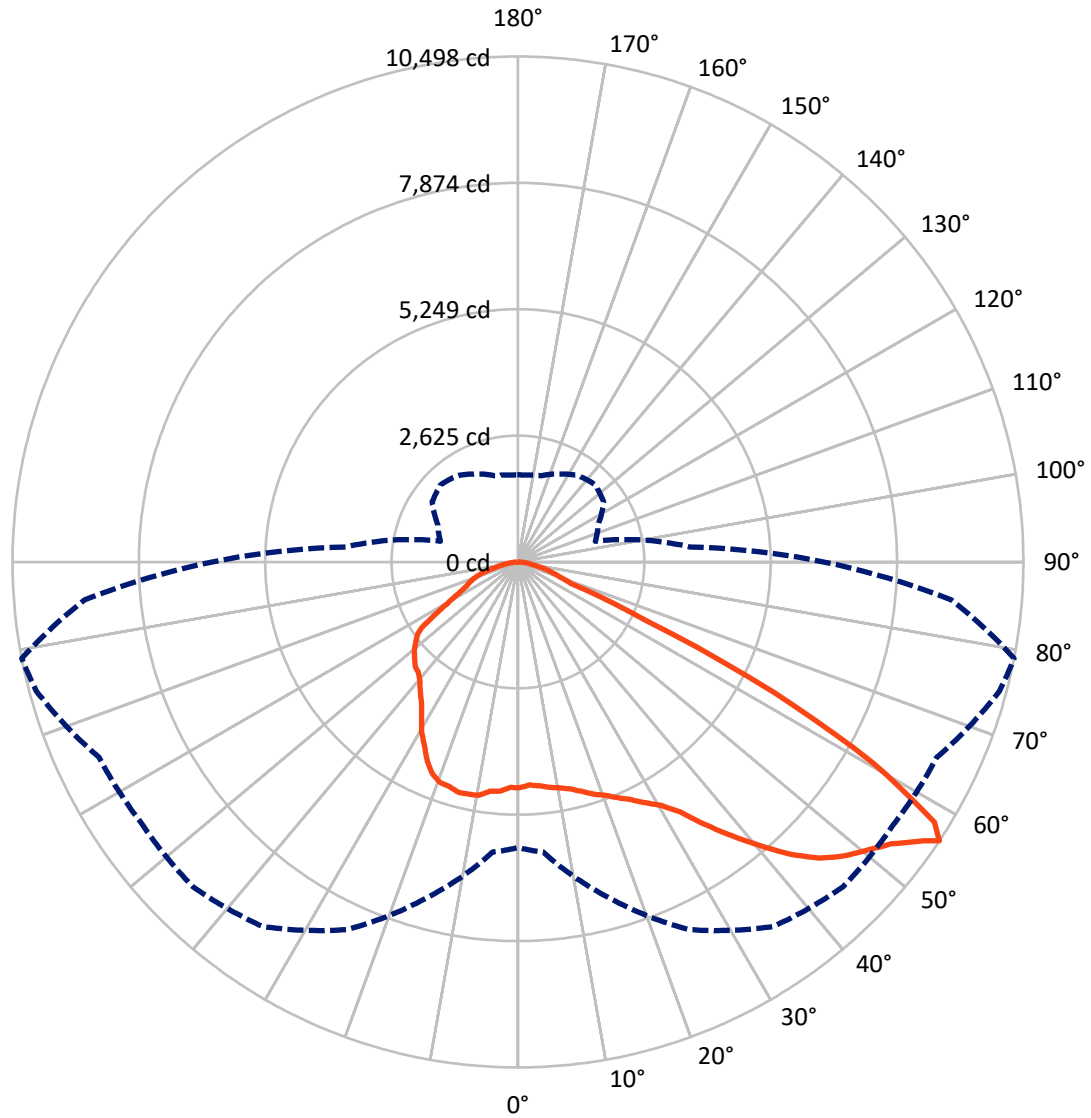
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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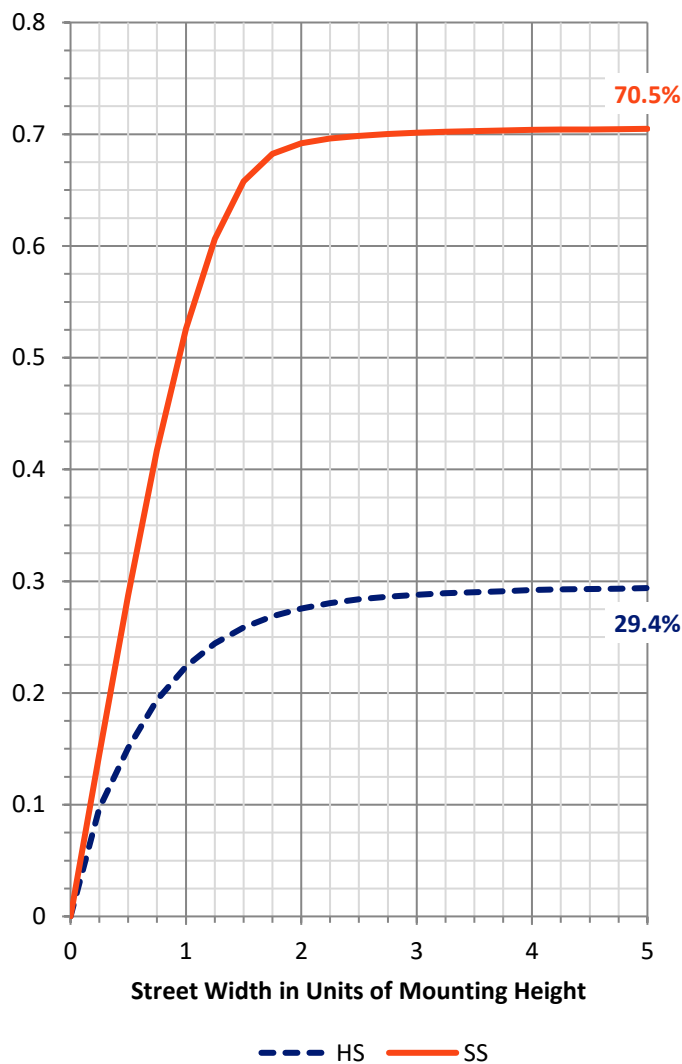
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5410.6	0.0	5410.6
	% Fixture	29.5	0.0	29.5
<b>Street Side</b>	Lumens	12910.4	0.0	12910.4
	% Fixture	70.5	0.0	70.5
<b>Total</b>	Lumens	18321.0	0.0	18321.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	426.2	2.3
10°-20°	1166.4	6.4
20°-30°	1995.4	10.9
30°-40°	3058.3	16.7
40°-50°	4133.2	22.6
50°-60°	4747.1	25.9
60°-70°	2163.9	11.8
70°-80°	533.5	2.9
80°-90°	97.0	0.5
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°	18321.0	100.0
0°-180°	18321.0	100.0

**Coefficient of Utilization**



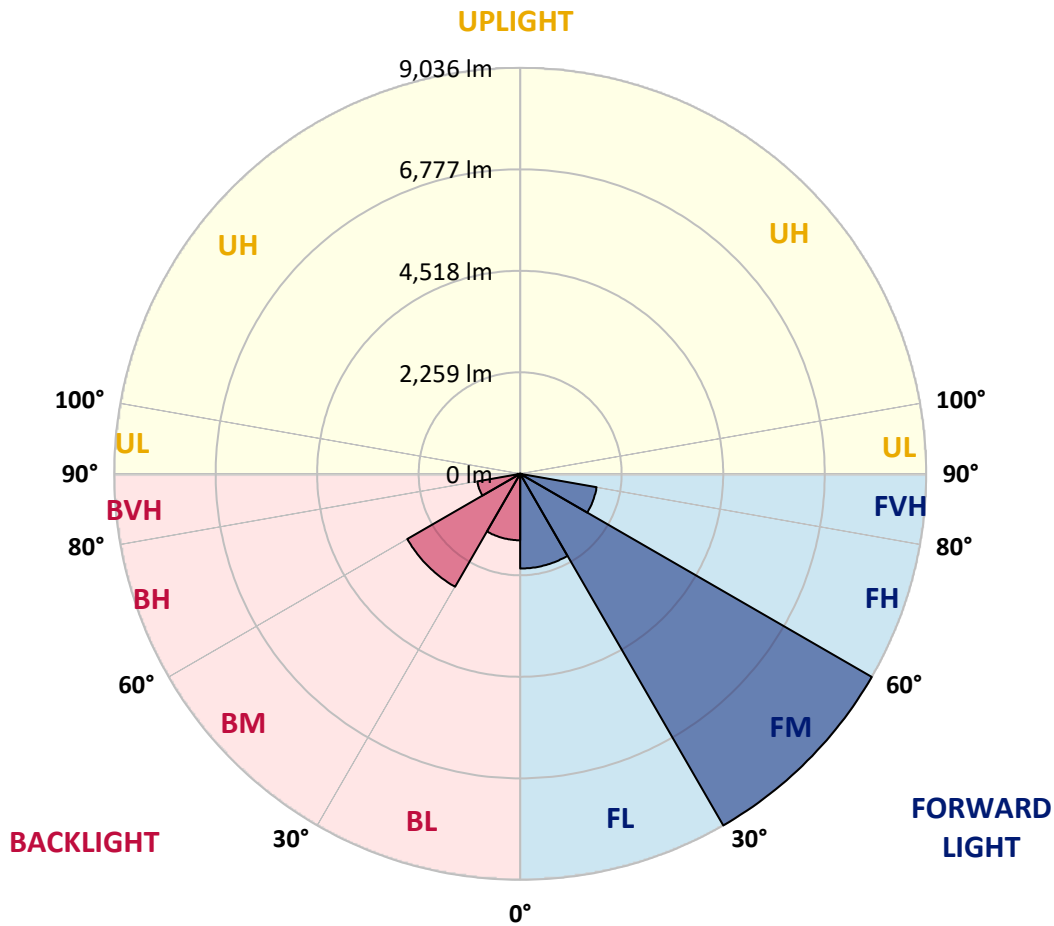
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2108.0	11.5			
FM (30°-60°)	9036.5	49.3			
FH (60°-80°)	1727.3	9.4			G1/1800
FVH (80°-90°)	38.7	0.2			G1/100
BL (0°-30°)	1480.0	8.1	B3/2500		
BM (30°-60°)	2902.2	15.8	B3/5000		
BH (60°-80°)	970.1	5.3	B2/1000		G2/1000
BVH (80°-90°)	58.2	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-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6
2.5°	4459.4	4448.0	4475.4	4495.9	4521.0	4553.0	4568.9	4578.1	4657.9	4637.4	4699.0
5°	4363.5	4333.9	4354.4	4370.4	4413.8	4452.6	4495.9	4564.4	4637.4	4669.4	4744.7
7.5°	4279.1	4263.1	4258.6	4270.0	4329.3	4379.5	4454.8	4555.3	4673.9	4726.4	4769.8
10°	4139.9	4117.1	4151.3	4226.6	4242.6	4347.6	4434.3	4578.1	4680.8	4772.1	4899.9
12.5°	4078.3	4055.5	4062.3	4105.7	4217.5	4317.9	4420.6	4582.6	4799.4	4836.0	5007.1
15°	4176.4	4153.6	4160.4	4149.0	4256.3	4308.8	4470.8	4673.9	4881.6	4943.2	5125.8
17.5°	4400.1	4402.3	4372.7	4347.6	4322.5	4434.3	4546.1	4728.7	4913.6	5068.7	5205.7
20°	4826.8	4751.5	4692.2	4550.7	4511.9	4559.8	4701.3	4877.0	5043.6	5171.4	5326.6
22.5°	5155.5	5162.3	5077.9	4845.1	4760.6	4781.2	4902.1	5045.9	5228.5	5319.8	5497.8
25°	5632.4	5584.5	5493.2	5308.4	5119.0	5134.9	5223.9	5354.0	5404.2	5468.1	5662.1
27.5°	6068.3	6082.0	5901.7	5728.3	5493.2	5447.6	5607.3	5630.2	5545.7	5666.7	5732.9
30°	6511.1	6499.7	6381.0	6177.9	5947.4	5956.5	6027.3	5915.4	5799.0	5865.2	5910.9
32.5°	6969.8	6839.7	6835.2	6652.6	6476.9	6392.4	6305.7	6360.5	6180.2	6193.9	6150.5
35°	7337.2	7355.5	7250.5	7120.4	7033.7	6885.4	6648.0	6746.2	6711.9	6695.9	6508.8
37.5°	7604.3	7533.5	7586.0	7542.6	7460.5	7275.6	7029.1	7122.7	7138.7	7216.3	6999.5
40°	7823.3	7793.7	7932.9	7955.7	7898.7	7499.3	7056.5	7335.0	7574.6	7743.5	7485.6
42.5°	7928.3	7992.2	8138.3	8314.0	8186.2	7759.4	7198.0	7497.0	8031.0	8298.0	7946.6
45°	8069.8	7987.7	8204.5	8526.3	8528.5	7978.5	7335.0	7716.1	8387.0	8775.0	8261.5
47.5°	7926.0	7967.1	8190.8	8599.3	8704.3	8209.0	7704.7	8026.5	8779.6	9124.2	8553.6
50°	7604.3	7686.4	8094.9	8519.4	8836.6	8453.2	8129.2	8361.9	9142.5	9404.9	8601.6
52.5°	7268.8	7314.4	7953.4	8581.0	8896.0	8768.2	8697.4	8825.2	9585.2	9722.1	8660.9
55°	6355.9	6572.7	7485.6	8553.6	9185.8	9336.4	9281.7	9468.8	10087.3	10224.2	8985.0
56°	5933.7	6047.8	7204.9	8425.8	9242.9	9544.1	9516.7	9601.2	10354.3	10498.1	9035.2
57.5°	5153.2	5162.3	6143.7	7859.9	9028.3	9605.7	9578.4	9644.5	10301.8	10203.7	8594.7
60°	3224.7	3366.2	4181.0	6045.5	7677.3	8912.0	9067.1	8535.4	8686.0	8478.3	6686.8
62.5°	1670.6	1650.0	2190.9	3535.1	5096.1	6381.0	6524.8	6499.7	6266.9	5963.4	4368.1
65°	833.0	837.6	1145.7	1750.4	2610.8	3341.1	3742.8	3786.2	3167.7	2914.4	2072.2
67.5°	604.8	627.6	823.9	1070.3	1230.1	1376.2	1686.5	1654.6	1252.9	1191.3	1104.6
70°	470.1	490.7	668.7	817.0	741.7	741.7	807.9	835.3	892.3	917.4	947.1
72.5°	342.3	358.3	511.2	563.7	486.1	522.6	604.8	668.7	728.0	737.1	771.4
75°	235.1	248.8	335.5	310.4	292.1	360.6	442.7	502.1	545.4	568.3	588.8
77.5°	152.9	157.5	191.7	162.0	187.1	232.8	287.6	337.8	381.1	399.4	403.9
80°	68.5	75.3	82.2	102.7	130.1	166.6	205.4	246.5	273.9	280.7	294.4
82.5°	38.8	38.8	50.2	73.0	95.9	121.0	148.3	178.0	210.0	216.8	214.5
85°	20.5	20.5	29.7	43.4	59.3	70.7	68.5	70.7	75.3	86.7	84.4
87.5°	6.8	6.8	9.1	9.1	11.4	13.7	11.4	16.0	20.5	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6	4687.6
2.5°	4680.8	4701.3	4673.9	4733.3	4733.3	4721.9	4664.8	4683.1	4696.7	4696.7	4708.2
5°	4769.8	4762.9	4781.2	4710.4	4667.1	4651.1	4557.5	4511.9	4473.1	4470.8	4436.6
7.5°	4820.0	4801.7	4794.9	4742.4	4550.7	4434.3	4233.5	4117.1	4092.0	4003.0	4037.2
10°	4899.9	4934.1	4899.9	4614.6	4347.6	4080.6	3884.3	3704.0	3633.2	3576.2	3542.0
12.5°	5064.2	5048.2	4849.7	4464.0	4089.7	3772.5	3480.3	3290.9	3220.2	3170.0	3165.4
15°	5203.4	5123.5	4820.0	4226.6	3688.0	3350.3	3110.6	2976.0	2944.0	2948.6	2969.1
17.5°	5251.3	5196.5	4664.8	3980.1	3389.1	2992.0	2880.1	2859.6	2889.3	2923.5	2932.6
20°	5326.6	5239.9	4600.9	3644.7	3019.3	2768.3	2761.4	2834.5	2889.3	2939.5	2946.3
22.5°	5484.1	5265.0	4393.2	3327.4	2766.0	2702.1	2768.3	2829.9	2914.4	2955.4	2918.9
25°	5529.7	5210.2	4101.1	2946.3	2606.3	2661.0	2731.8	2816.2	2875.6	2898.4	2914.4
27.5°	5568.5	5125.8	3706.3	2693.0	2556.1	2658.8	2731.8	2802.5	2834.5	2855.0	2873.3
30°	5678.1	5100.7	3363.9	2524.1	2524.1	2613.1	2706.7	2724.9	2768.3	2793.4	2825.4
32.5°	5732.9	4927.2	3012.5	2416.8	2492.2	2635.9	2642.8	2677.0	2679.3	2699.8	2665.6
35°	5876.6	4804.0	2686.1	2339.2	2505.8	2613.1	2647.3	2626.8	2515.0	2460.2	2471.6
37.5°	5981.6	4742.4	2451.1	2330.1	2508.1	2638.2	2656.5	2501.3	2384.9	2293.6	2316.4
40°	6264.6	4589.5	2273.1	2314.1	2528.7	2665.6	2615.4	2446.5	2236.5	2143.0	2127.0
42.5°	6481.4	4479.9	2161.2	2295.9	2544.6	2704.4	2594.9	2337.0	2122.4	2035.7	2058.5
45°	6732.5	4454.8	2101.9	2300.4	2572.0	2724.9	2569.7	2252.5	2024.3	1990.1	1983.2
47.5°	6821.5	4274.5	2038.0	2261.7	2565.2	2718.1	2485.3	2188.6	1987.8	1992.4	2010.6
50°	6673.1	4089.7	1990.1	2181.8	2519.5	2656.5	2352.9	2104.2	1967.2	2024.3	2056.3
52.5°	6483.7	3900.3	1891.9	2074.5	2426.0	2560.6	2291.3	2099.6	1946.7	1928.5	1935.3
55°	6540.8	3745.1	1755.0	1928.5	2275.3	2382.6	2222.9	2056.3	1896.5	1828.0	1850.9
56°	6355.9	3585.3	1666.0	1837.2	2172.6	2268.5	2188.6	2017.5	1855.4	1809.8	1809.8
57.5°	5833.3	3049.0	1549.6	1691.1	1955.8	2069.9	2122.4	1994.6	1809.8	1729.9	1732.2
60°	4301.9	2168.1	1389.9	1490.3	1620.4	1711.6	1955.8	1930.7	1695.7	1640.9	1620.4
62.5°	2651.9	1583.8	1275.7	1314.5	1380.7	1456.0	1707.1	1748.2	1574.7	1515.4	1501.7
65°	1485.7	1211.8	1189.0	1205.0	1236.9	1275.7	1417.2	1508.5	1389.9	1298.6	1294.0
67.5°	1086.3	1084.0	1102.3	1116.0	1129.7	1129.7	1163.9	1200.4	1184.5	1111.4	1104.6
70°	965.4	972.2	985.9	988.2	992.8	976.8	949.4	938.0	956.2	910.6	901.5
72.5°	796.5	819.3	835.3	837.6	812.5	791.9	755.4	716.6	702.9	693.8	691.5
75°	611.6	627.6	634.4	632.2	623.0	593.4	550.0	511.2	486.1	458.7	472.4
77.5°	413.1	435.9	447.3	447.3	433.6	388.0	367.4	337.8	312.7	283.0	287.6
80°	289.8	305.8	324.1	321.8	299.0	276.1	246.5	219.1	198.6	175.7	173.4
82.5°	216.8	225.9	235.1	230.5	214.5	191.7	171.2	146.1	123.2	107.3	107.3
85°	77.6	84.4	102.7	107.3	116.4	116.4	98.1	82.2	66.2	54.8	54.8
87.5°	22.8	22.8	25.1	25.1	22.8	25.1	20.5	22.8	25.1	16.0	16.0
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)