

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: P528520

Luminaire Tested: **GALN-SA3C-760-U-SL3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528520  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-760-U-SL3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17755 lumens  
Efficiency: N/A  
Efficacy: 111.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2

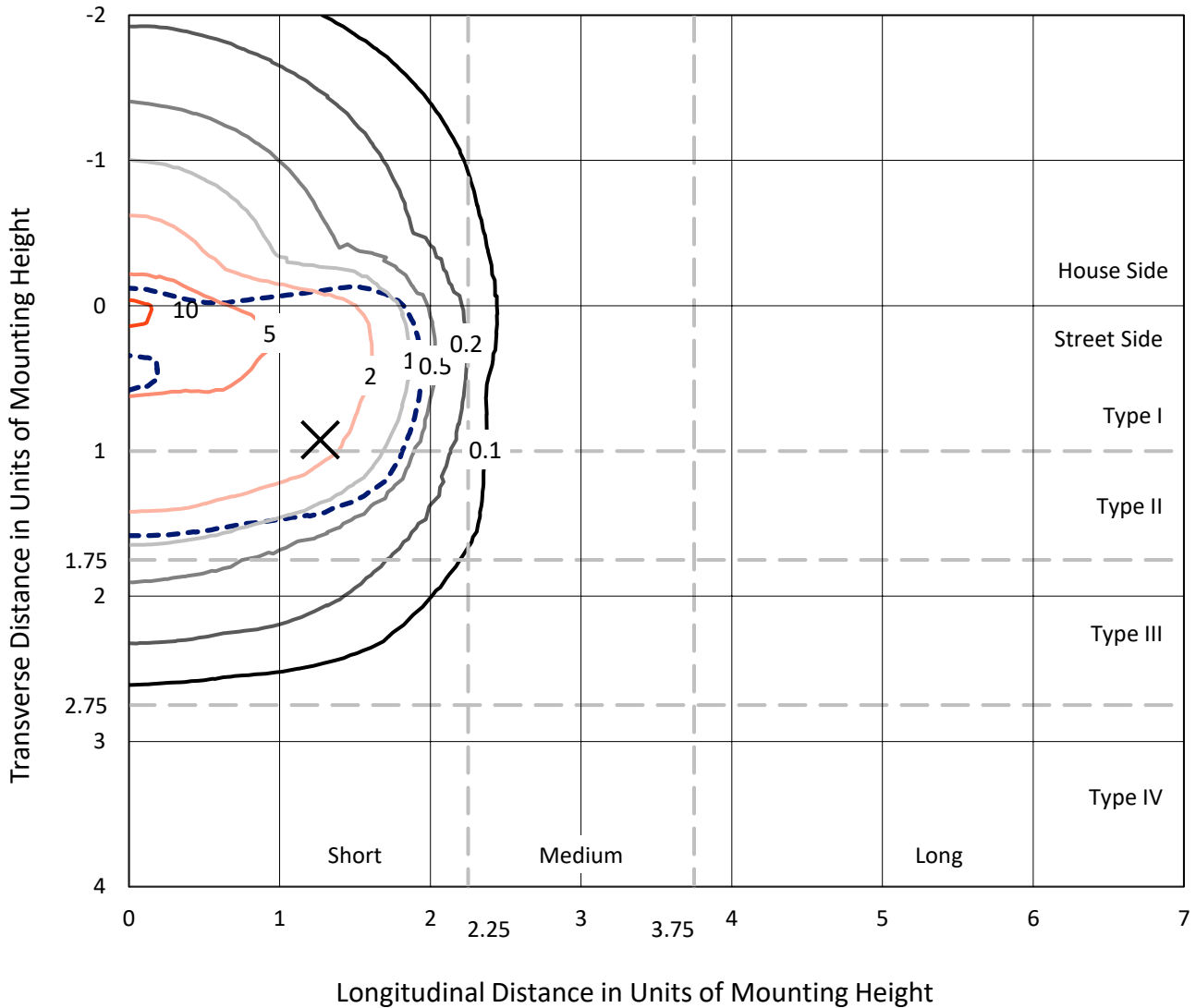
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

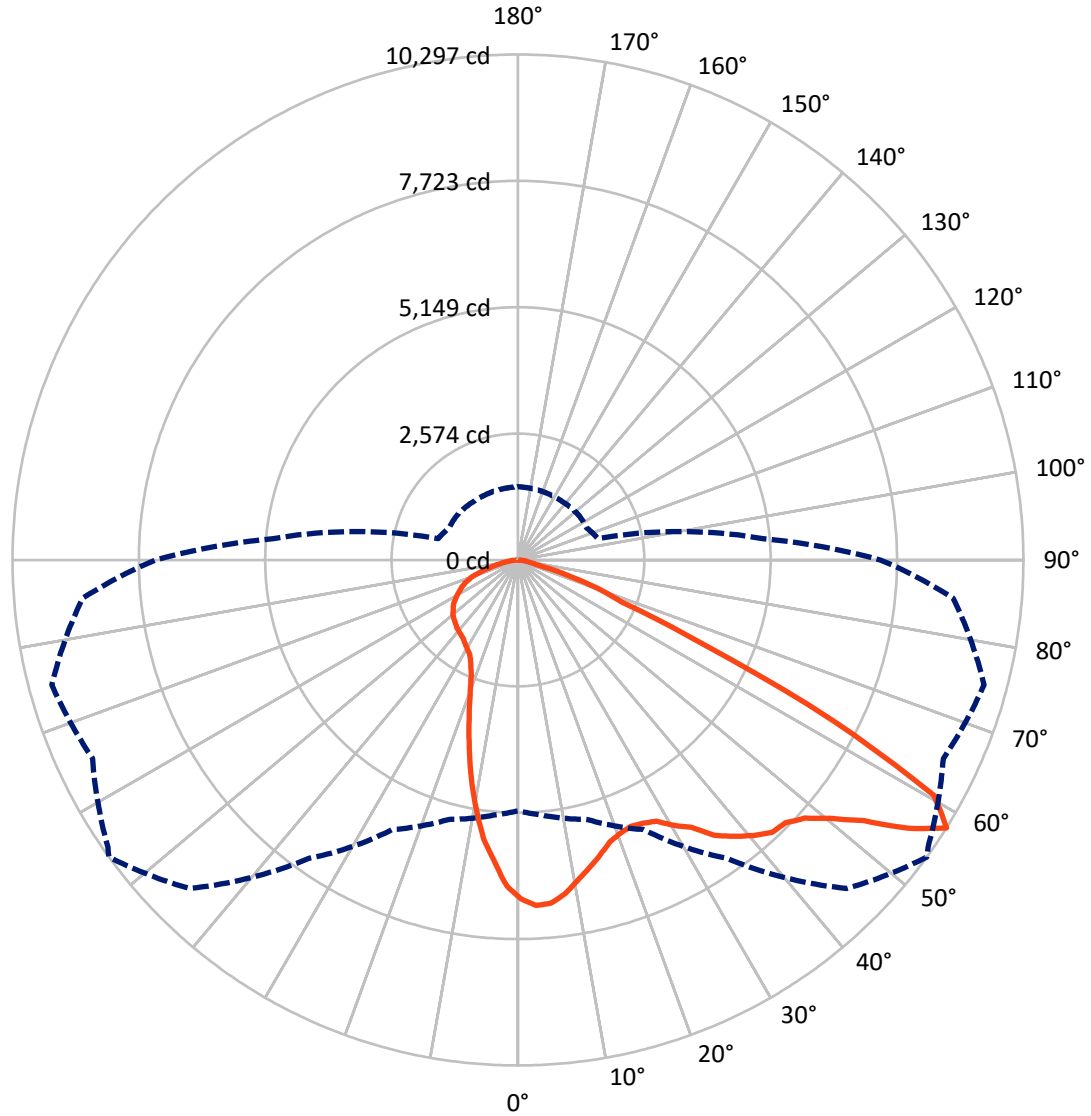
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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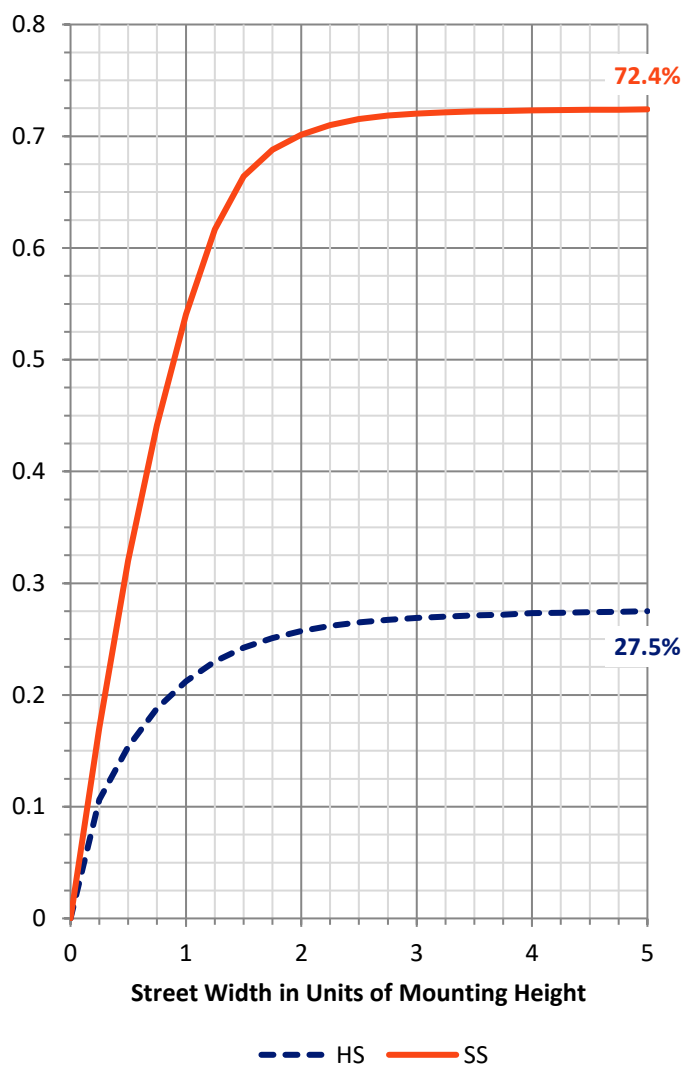
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4912.0	0.0	4912.0
	% Fixture	27.7	0.0	27.7
<b>Street Side</b>	Lumens	12843.0	0.0	12843.0
	% Fixture	72.3	0.0	72.3
<b>Total</b>	Lumens	17755.0	0.0	17755.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.2	3.4
10°-20°	1378.0	7.8
20°-30°	1936.1	10.9
30°-40°	2706.7	15.2
40°-50°	3664.4	20.6
50°-60°	4463.4	25.1
60°-70°	2324.7	13.1
70°-80°	595.7	3.4
80°-90°	90.9	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°	17755.0	100.0
0°-180°	17755.0	100.0

**Coefficient of Utilization**



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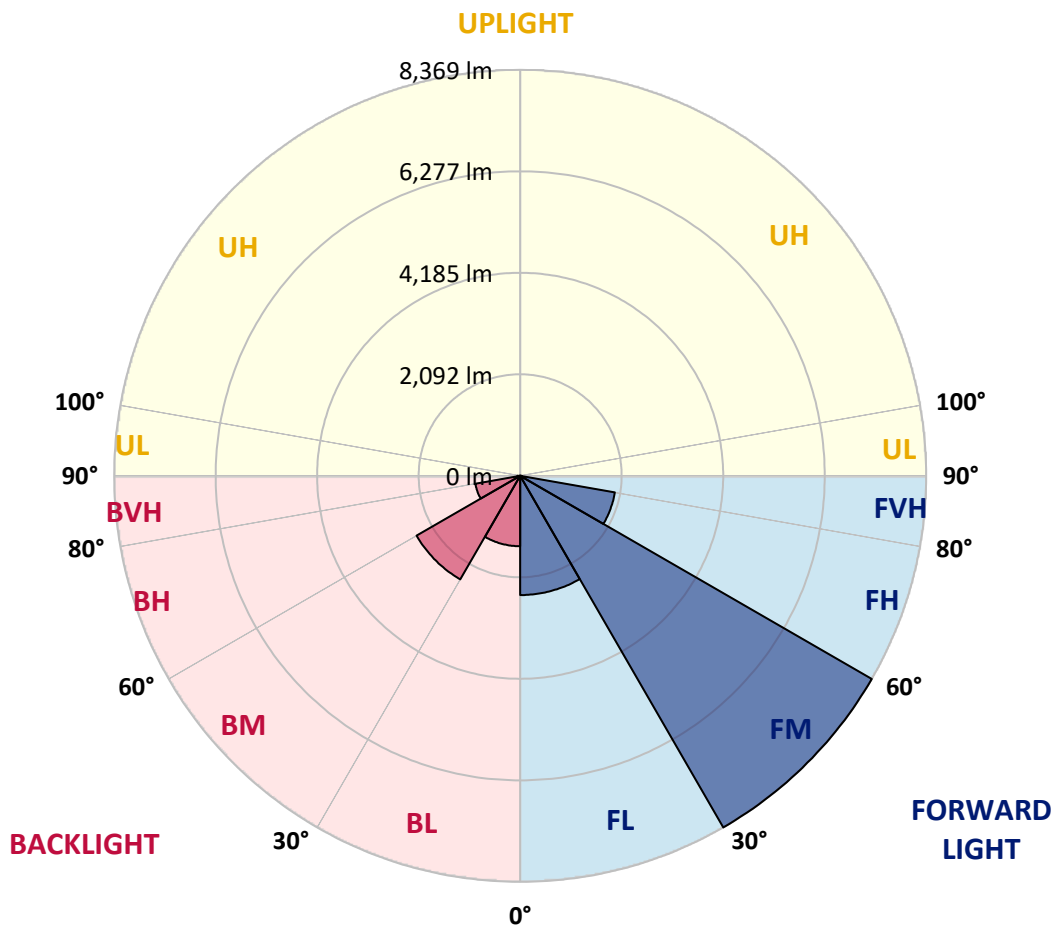
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2457.5	13.8			
FM (30°-60°)	8369.2	47.1			
FH (60°-80°)	1981.9	11.2			G2/5000
FVH (80°-90°)	34.3	0.2			G1/100
BL (0°-30°)	1451.8	8.2	B3/2500		
BM (30°-60°)	2465.3	13.9	B2/2500		
BH (60°-80°)	938.4	5.3	B2/1000		G2/1000
BVH (80°-90°)	56.5	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°	54°	55°	65°	75°	85°
0°	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2
2.5°	7097.4	7070.0	7074.6	7111.1	7065.5	7047.2	7047.2	6958.2	6965.1	6903.4	6887.5
5°	6933.1	6869.2	6912.6	6967.3	6976.5	6994.7	7024.4	7001.6	6937.7	6871.5	6764.2
7.5°	6504.1	6561.1	6577.1	6615.9	6698.1	6773.4	6866.9	6803.0	6800.8	6734.6	6670.7
10°	6127.5	6093.3	6180.0	6237.1	6374.0	6499.5	6643.3	6636.4	6670.7	6595.4	6485.8
12.5°	5753.3	5725.9	5766.9	5897.0	6088.7	6271.3	6442.5	6378.6	6561.1	6547.4	6312.4
15°	5356.2	5376.7	5436.0	5557.0	5808.0	6027.1	6243.9	6246.2	6408.2	6463.0	6148.1
17.5°	5077.7	5054.9	5130.2	5310.5	5534.2	5796.6	6043.1	6093.3	6342.0	6374.0	6097.9
20°	4870.1	4902.0	5000.1	5091.4	5349.3	5666.5	5945.0	5963.2	6328.4	6415.1	6018.0
22.5°	4819.9	4801.6	4833.6	4981.9	5194.1	5538.7	5892.5	5960.9	6326.1	6401.4	5867.4
25°	4767.4	4826.7	4824.4	4972.8	5127.9	5436.0	5935.8	6011.1	6447.0	6472.1	5887.9
27.5°	4886.0	4879.2	4943.1	4954.5	5146.2	5463.4	6027.1	6084.2	6647.8	6627.3	5903.9
30°	5004.7	4970.5	5009.3	5143.9	5232.9	5620.9	6278.1	6273.6	6908.0	6894.3	5954.1
32.5°	5150.8	5134.8	5159.9	5278.6	5429.2	5830.8	6490.4	6625.0	7172.7	7259.5	6127.5
35°	5178.2	5244.3	5303.7	5463.4	5677.9	6170.9	6889.8	7001.6	7478.5	7750.1	6458.4
37.5°	5351.6	5376.7	5515.9	5798.9	5995.2	6625.0	7143.1	7213.8	7757.0	8065.1	6807.6
40°	5536.5	5566.1	5776.1	6072.8	6342.0	6921.7	7380.4	7403.2	7846.0	8307.0	7035.8
42.5°	5787.5	5814.9	6022.5	6394.5	6755.1	7175.0	7590.4	7615.5	7839.1	8585.4	7398.7
45°	6047.6	6113.8	6358.0	6780.2	7104.3	7471.7	7638.3	7741.0	7903.0	8834.1	7693.1
47.5°	6412.8	6474.4	6675.2	7088.3	7467.1	7731.9	7859.7	7960.1	8055.9	9050.9	7882.5
50°	6800.8	6812.2	7056.4	7430.6	7709.0	8026.3	8272.7	8307.0	8256.8	9302.0	8204.3
52.5°	7086.0	7122.5	7311.9	7677.1	8092.4	8482.7	8820.4	8857.0	8758.8	9395.5	8313.8
55°	6613.6	6593.1	6901.2	7387.3	8350.3	9162.8	9653.4	9680.8	9124.0	9685.4	8672.1
57.5°	5112.0	5210.1	5472.6	6059.1	7419.2	9464.0	10297.0	10198.8	9562.1	9831.4	8900.3
60°	3715.3	3692.5	3868.2	4260.7	5591.2	8156.3	9735.6	9836.0	9203.8	8861.5	7339.3
62.5°	3026.1	2994.2	3007.8	3021.5	3608.0	5413.2	7207.0	7204.7	7088.3	6369.4	4949.9
65°	2419.1	2494.4	2501.2	2603.9	2679.2	3233.8	4176.3	4399.9	3831.7	3142.5	2279.8
67.5°	1823.4	1796.0	1887.3	2252.5	2394.0	2334.6	2279.8	2305.0	1638.6	1182.1	1113.7
70°	1074.9	1063.5	1173.0	1570.1	1971.8	1855.4	1718.4	1720.7	1125.1	826.1	919.7
72.5°	588.8	586.5	609.3	796.5	1120.5	1163.9	1031.5	1063.5	670.9	668.7	718.9
75°	328.6	321.8	314.9	351.4	403.9	426.8	435.9	440.5	461.0	515.8	536.3
77.5°	121.0	116.4	116.4	134.6	171.2	214.5	271.6	276.1	326.3	374.3	394.8
80°	41.1	45.6	61.6	84.4	114.1	152.9	184.9	189.4	230.5	262.4	269.3
82.5°	25.1	27.4	41.1	59.3	82.2	107.3	136.9	139.2	171.2	191.7	200.8
85°	11.4	13.7	22.8	36.5	52.5	70.7	73.0	73.0	70.7	73.0	68.5
87.5°	0.0	0.0	4.6	4.6	4.6	6.8	9.1	6.8	11.4	13.7	13.7
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°	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2	6901.2
2.5°	6839.5	6814.4	6736.9	6668.4	6647.8	6556.6	6421.9	6437.9	6339.8	6385.4	6337.5
5°	6746.0	6661.5	6463.0	6378.6	6157.2	6056.8	5988.3	5817.2	5737.3	5721.3	5652.8
7.5°	6506.4	6453.9	6205.1	5976.9	5741.8	5541.0	5283.1	5107.4	4981.9	4947.7	4847.2
10°	6316.9	6200.6	5855.9	5509.1	5173.6	4824.4	4489.0	4226.5	4098.7	3950.4	3900.2
12.5°	6129.8	5954.1	5488.5	5043.5	4609.9	4169.5	3763.2	3443.7	3165.3	3099.1	3076.3
15°	6013.4	5707.6	5159.9	4623.6	4007.4	3432.3	3026.1	2816.2	2645.0	2574.2	2624.5
17.5°	5860.5	5504.5	4845.0	4130.7	3452.9	2923.4	2583.4	2453.3	2391.7	2398.5	2378.0
20°	5668.8	5312.8	4431.9	3683.4	2957.6	2535.4	2341.5	2293.5	2302.7	2318.6	2311.8
22.5°	5531.9	5080.0	4132.9	3226.9	2556.0	2320.9	2241.1	2206.8	2236.5	2250.2	2238.8
25°	5426.9	4881.5	3770.1	2823.0	2323.2	2200.0	2163.5	2161.2	2206.8	2225.1	2213.7
27.5°	5331.1	4696.6	3409.5	2514.9	2168.0	2106.4	2095.0	2122.4	2152.0	2170.3	2186.3
30°	5274.0	4555.1	3071.7	2257.0	2090.4	2060.8	2040.2	2065.3	2081.3	2099.6	2090.4
32.5°	5328.8	4454.7	2745.4	2111.0	2026.5	1996.9	2024.3	2008.3	2035.7	2051.6	2026.5
35°	5499.9	4365.7	2512.6	2033.4	1953.5	1964.9	1969.5	1962.6	1974.0	1960.4	1990.0
37.5°	5668.8	4333.8	2298.1	1967.2	1919.3	1919.3	1914.7	1901.0	1923.8	1919.3	1933.0
40°	5883.3	4354.3	2115.5	1896.5	1887.3	1882.8	1864.5	1862.2	1853.1	1855.4	1859.9
42.5°	6070.5	4399.9	2010.6	1850.8	1857.7	1866.8	1832.6	1805.2	1816.6	1793.8	1793.8
45°	6269.0	4441.0	1917.0	1818.9	1812.0	1809.7	1782.3	1766.4	1757.2	1759.5	1780.1
47.5°	6581.7	4500.4	1846.2	1775.5	1780.1	1745.8	1739.0	1718.4	1727.6	1741.3	1743.5
50°	6803.0	4625.9	1791.5	1725.3	1741.3	1718.4	1677.4	1668.2	1668.2	1691.1	1686.5
52.5°	6958.2	4801.6	1739.0	1670.5	1677.4	1659.1	1645.4	1624.9	1611.2	1643.1	1659.1
55°	7432.9	5093.7	1725.3	1624.9	1622.6	1604.3	1579.2	1558.7	1551.8	1556.4	1588.4
57.5°	7387.3	5002.4	1681.9	1545.0	1540.4	1515.3	1490.2	1483.4	1481.1	1485.7	1494.8
60°	5997.4	3694.8	1501.6	1453.7	1446.9	1442.3	1417.2	1389.8	1376.1	1389.8	1378.4
62.5°	3968.6	2473.8	1323.6	1344.2	1348.7	1337.3	1296.3	1268.9	1273.4	1289.4	1264.3
65°	1948.9	1453.7	1200.4	1255.2	1259.7	1227.8	1189.0	1157.0	1141.1	1154.8	1143.3
67.5°	1113.7	1111.4	1100.0	1157.0	1154.8	1122.8	1061.2	1033.8	1006.4	1011.0	1004.1
70°	944.8	963.1	985.9	1020.1	1017.8	981.3	908.3	887.7	849.0	844.4	833.0
72.5°	744.0	775.9	826.1	851.2	830.7	785.1	737.1	702.9	668.7	648.1	655.0
75°	552.3	597.9	625.3	641.3	609.3	584.2	545.4	504.4	463.3	445.0	438.2
77.5°	401.7	415.3	440.5	451.9	431.3	406.2	383.4	342.3	303.5	278.4	271.6
80°	280.7	289.8	308.1	308.1	308.1	296.7	267.0	225.9	200.8	178.0	173.4
82.5°	196.3	205.4	223.6	214.5	212.2	198.5	180.3	148.3	121.0	105.0	100.4
85°	68.5	75.3	91.3	109.5	116.4	114.1	102.7	82.2	63.9	52.5	47.9
87.5°	16.0	16.0	18.3	16.0	16.0	18.3	16.0	16.0	16.0	11.4	9.1
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)