

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: P941947

Luminaire Tested: **GALN-SB5D-722-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB5D-722-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

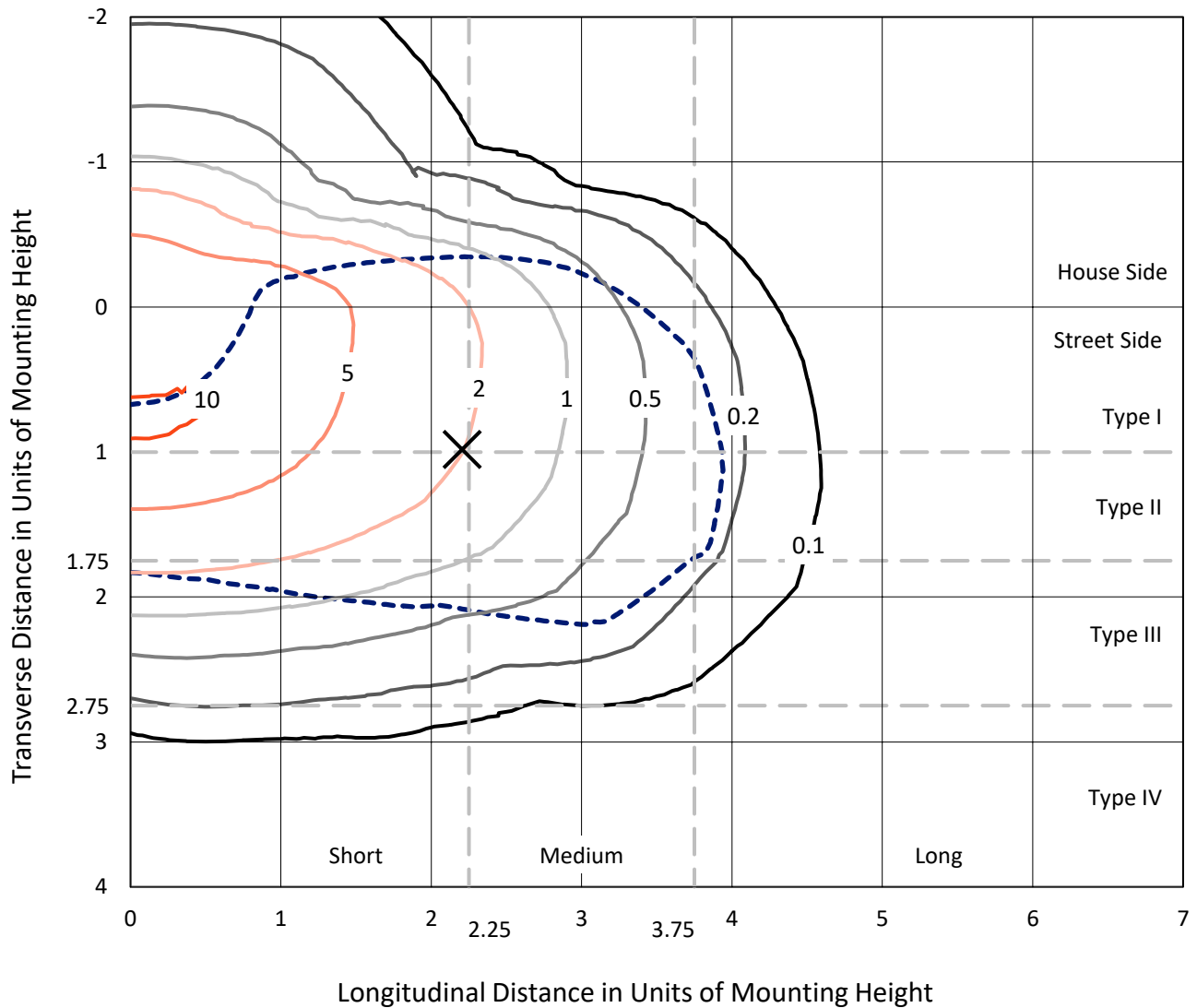
Lumens per Lamp: N/A  
Luminaire Lumens: 42493 lumens  
Efficiency: N/A  
Efficacy: 116.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P941947  
 CATALOG NUMBER: GALN-SB5D-722-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

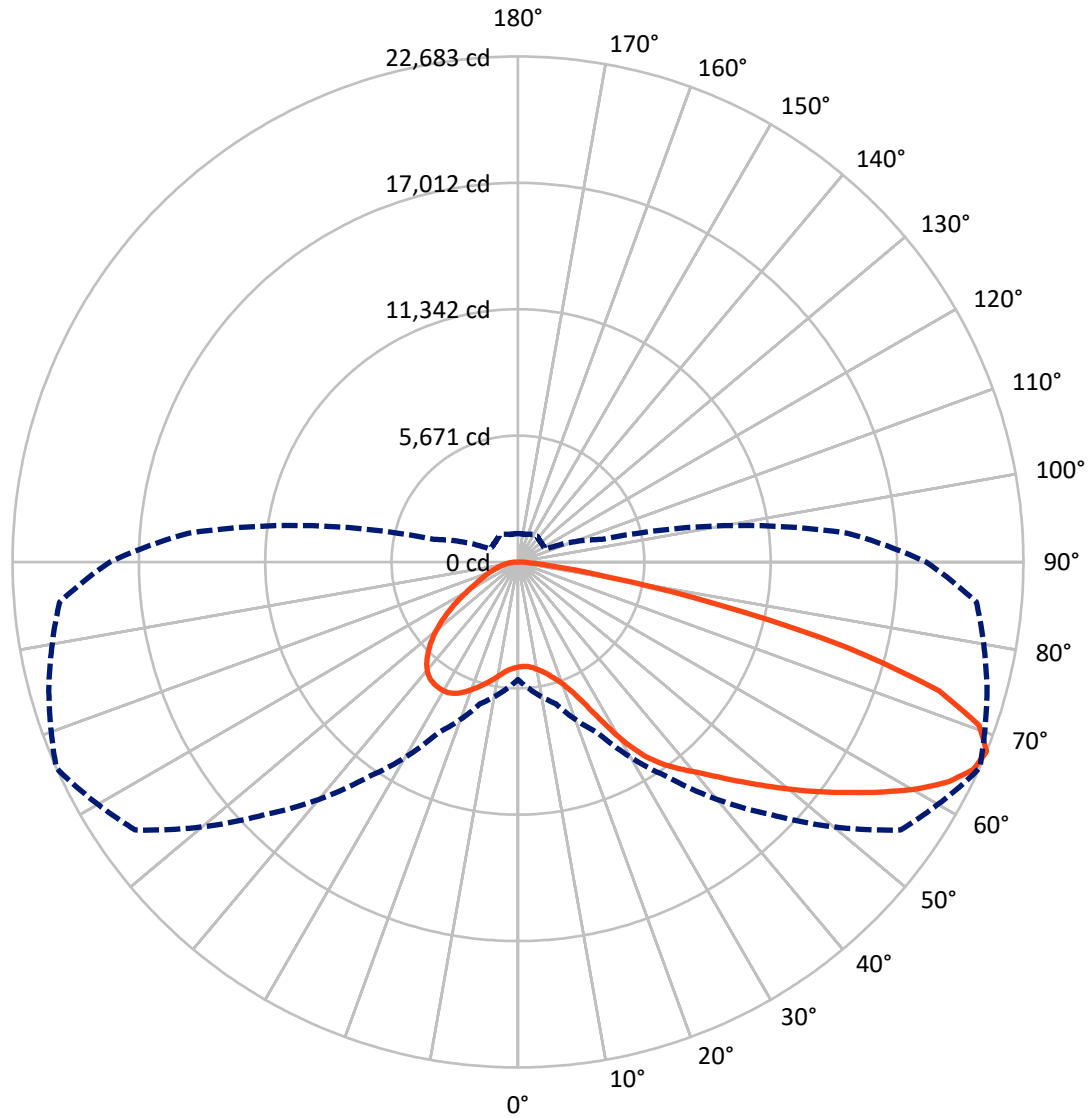
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P941947  
CATALOG NUMBER: GALN-SB5D-722-U-T3

### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P941947

CATALOG NUMBER: GALN-SB5D-722-U-T3

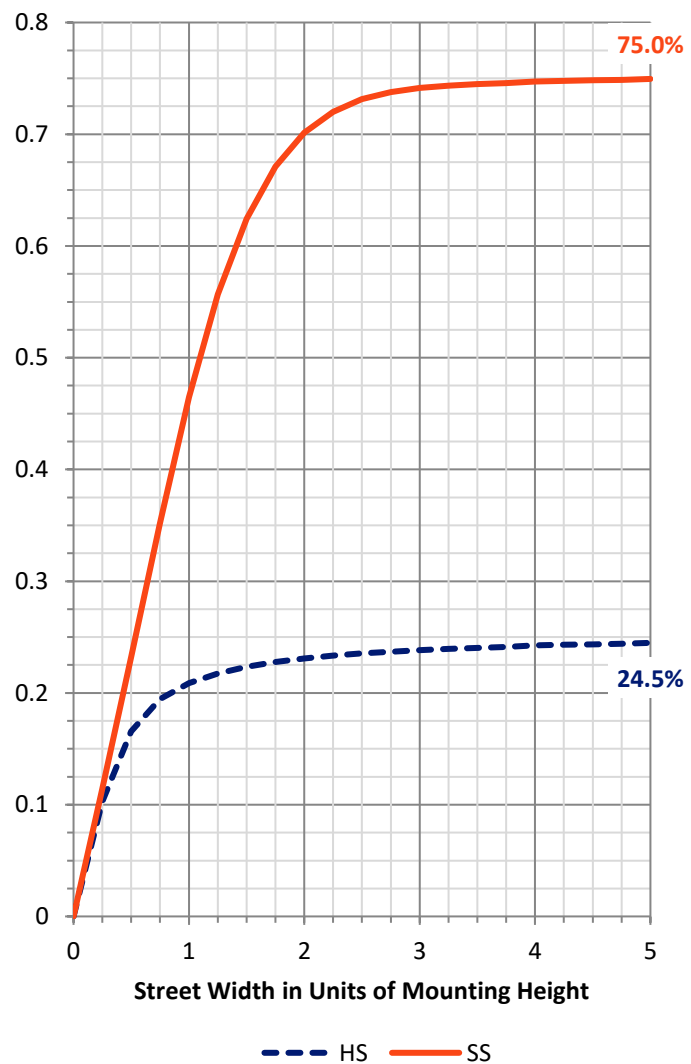
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10565.8	0.0	10565.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	31927.2	0.0	31927.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	42493.0	0.0	42493.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	467.3	1.1
10°-20°	1543.8	3.6
20°-30°	2975.6	7.0
30°-40°	5217.4	12.3
40°-50°	7756.6	18.3
50°-60°	9832.2	23.1
60°-70°	9620.5	22.6
70°-80°	4589.1	10.8
80°-90°	490.4	1.2
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°	42493.0	100.0
0°-180°	42493.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P941947

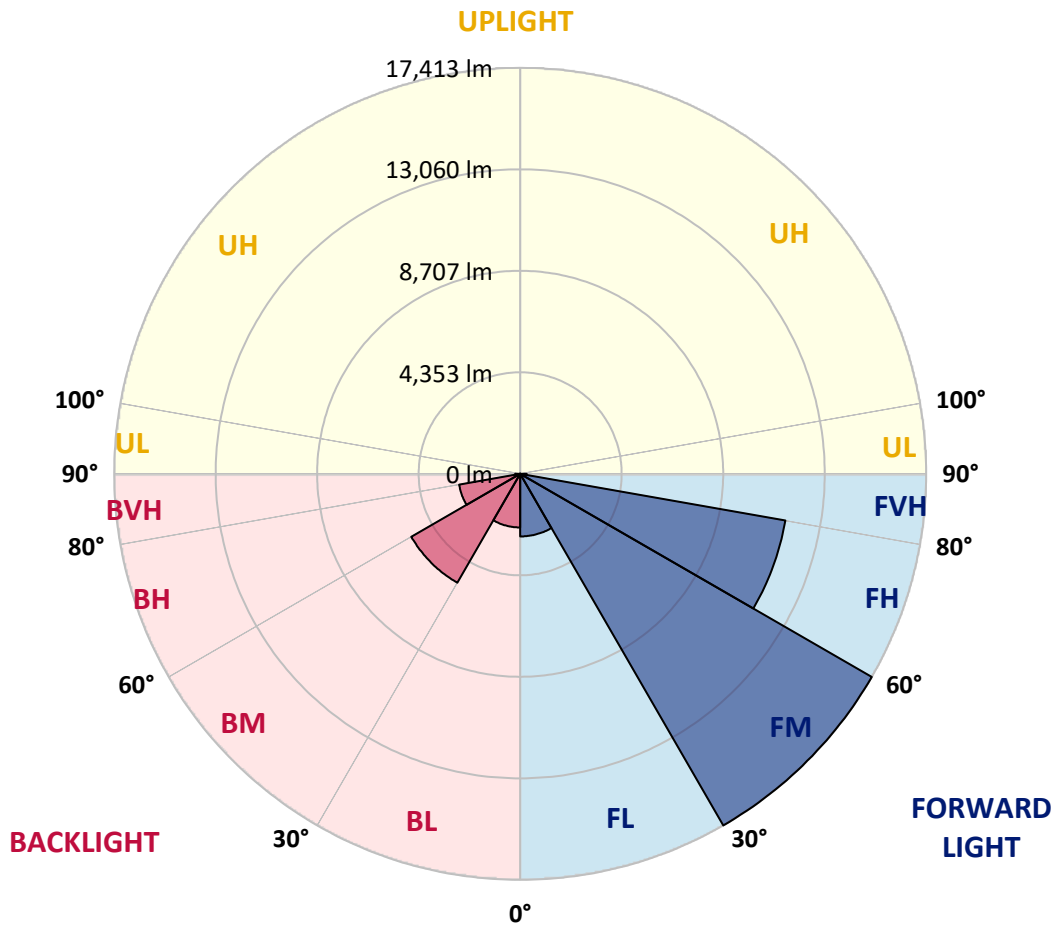
CATALOG NUMBER: GALN-SB5D-722-U-T3

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2685.1	6.3			
FM (30°-60°)	17413.3	41.0			
FH (60°-80°)	11550.8	27.2			G4/12000
FVH (80°-90°)	278.1	0.7			G3/500
BL (0°-30°)	2301.6	5.4	B3/2500		
BM (30°-60°)	5392.9	12.7	B4/8500		
BH (60°-80°)	2658.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	212.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short



REPORT NUMBER: P941947

CATALOG NUMBER: GALN-SB5D-722-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4663.9	4690.7	4684.0	4672.8	4670.6	4675.1	4681.8	4688.5	4686.2	4697.4	4715.3
5°	4650.5	4677.3	4675.1	4675.1	4684.0	4701.9	4713.0	4724.2	4713.0	4726.4	4751.0
7.5°	4659.5	4679.5	4688.5	4697.4	4719.7	4753.2	4780.0	4804.6	4791.2	4806.8	4838.1
10°	4773.3	4788.9	4797.9	4797.9	4813.5	4851.5	4878.2	4922.9	4911.7	4936.3	4976.5
12.5°	4980.9	4996.6	4996.6	4987.6	4998.8	5023.4	5032.3	5081.4	5061.3	5101.5	5141.7
15°	5235.5	5266.7	5242.2	5226.5	5231.0	5255.6	5253.3	5291.3	5271.2	5304.7	5340.4
17.5°	5516.8	5557.0	5516.8	5514.5	5505.6	5532.4	5534.6	5568.1	5532.4	5557.0	5581.5
20°	5849.4	5905.2	5871.8	5882.9	5862.8	5874.0	5885.2	5934.3	5878.5	5896.3	5889.6
22.5°	6318.3	6385.3	6349.5	6392.0	6378.6	6369.6	6367.4	6454.5	6367.4	6374.1	6309.3
25°	7001.5	7081.8	7019.3	7077.4	7077.4	7106.4	7139.9	7251.5	7106.4	7064.0	6896.5
27.5°	8010.6	8091.0	7968.2	8003.9	7992.7	8064.2	8028.5	8305.3	8149.0	8079.8	7742.7
30°	9225.1	9368.0	9135.8	9126.9	9115.7	9229.6	9281.0	9464.0	9305.5	9236.3	8830.0
32.5°	10537.9	10687.5	10410.7	10330.3	10287.9	10357.1	10314.6	10462.0	10352.6	10245.4	9743.1
35°	11926.6	12073.9	11810.5	11654.2	11484.5	11339.4	11187.6	11225.6	11122.9	10959.9	10439.7
37.5°	13239.4	13509.5	13230.4	13063.0	12750.4	12466.9	12042.7	11866.3	11770.3	11620.7	11096.1
40°	14576.7	14730.7	14518.6	14375.8	14036.4	13592.1	12913.4	12540.6	12411.1	12265.9	11821.7
42.5°	15561.3	15708.6	15594.8	15496.5	15230.9	14715.1	13837.7	13371.1	13183.5	13020.6	12643.3
45°	16342.7	16452.1	16380.6	16416.4	16302.5	15802.4	14795.5	14261.9	14067.7	13869.0	13572.0
47.5°	16657.5	16773.6	16887.4	17099.5	17293.8	16925.4	15824.7	15226.4	15021.0	14817.8	14525.3
50°	16621.8	16740.1	17070.5	17521.5	18124.3	18001.5	16909.8	16253.4	16063.6	15831.4	15561.3
52.5°	16336.0	16469.9	16894.1	17644.3	18604.3	18807.5	18014.9	17313.9	17135.3	16858.4	16588.3
55°	15585.8	15666.2	16302.5	17365.2	18718.2	19370.1	19097.7	18443.6	18265.0	17878.7	17584.0
57.5°	14194.9	14311.0	15237.5	16612.8	18432.4	19751.9	20048.8	19631.3	19459.4	18903.5	18595.4
60°	12379.8	12565.1	13625.6	15349.2	17704.6	19749.6	20912.8	20799.0	20656.1	19912.6	19591.1
62.5°	10325.8	10540.1	11560.4	13563.1	16432.0	19189.3	21453.1	21776.9	21703.2	20843.6	20432.8
65°	7930.2	8077.6	9093.4	11252.3	14451.7	17985.9	21515.6	22444.4	22457.8	21551.4	20872.7
67.5°	5280.1	5704.3	6586.2	8443.7	11799.3	16019.0	20966.4	22553.8	22683.3	21794.7	20651.6
70°	2576.4	3134.6	3998.6	5487.8	8443.7	13002.7	19530.9	21656.3	21944.3	21084.7	19334.4
72.5°	1069.4	1250.3	1721.3	2708.2	4847.0	8774.1	16646.3	19222.8	19756.3	18682.5	16255.6
75°	721.1	781.4	984.6	1388.7	2208.0	4326.8	12004.7	14333.3	15192.9	14110.1	11533.7
77.5°	555.9	593.9	716.7	971.2	1312.8	1636.5	6425.4	8638.0	9082.2	8408.0	6001.3
80°	437.6	466.6	535.8	707.7	931.0	875.2	2190.2	3913.8	4170.5	3498.5	1929.0
82.5°	379.5	390.7	384.0	480.0	618.4	511.3	718.9	1444.5	1594.1	1156.5	629.6
85°	274.6	305.9	319.3	296.9	328.2	259.0	294.7	511.3	562.6	502.3	355.0
87.5°	111.6	165.2	203.2	192.0	120.6	73.7	91.5	149.6	171.9	187.5	116.1
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: P941947  
 CATALOG NUMBER: GALN-SB5D-722-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0	4713.0
2.5°	4717.5	4733.1	4744.3	4757.7	4766.6	4780.0	4806.8	4822.4	4824.7	4835.8	4833.6
5°	4759.9	4782.2	4806.8	4842.5	4882.7	4916.2	4967.6	5003.3	5016.7	5027.8	5025.6
7.5°	4851.5	4882.7	4927.4	4989.9	5047.9	5092.6	5155.1	5197.5	5239.9	5255.6	5257.8
10°	4987.6	5032.3	5097.0	5181.9	5244.4	5302.4	5367.2	5402.9	5445.3	5463.2	5472.1
12.5°	5157.3	5204.2	5289.0	5407.4	5465.4	5505.6	5527.9	5519.0	5527.9	5543.6	5548.0
15°	5351.6	5402.9	5498.9	5626.2	5666.4	5630.6	5581.5	5536.9	5530.2	5534.6	5550.3
17.5°	5581.5	5619.5	5731.1	5838.3	5809.2	5661.9	5554.7	5483.3	5447.6	5436.4	5452.0
20°	5903.0	5903.0	5994.6	6061.5	5867.3	5617.2	5449.8	5333.7	5260.0	5228.8	5222.1
22.5°	6293.7	6258.0	6316.0	6269.2	5856.1	5492.2	5260.0	5059.1	4947.5	4902.8	4896.1
25°	6789.4	6746.9	6731.3	6441.1	5775.8	5293.5	4916.2	4672.8	4574.6	4550.1	4554.5
27.5°	7537.3	7430.1	7227.0	6534.8	5628.4	4980.9	4514.3	4288.8	4233.0	4235.3	4242.0
30°	8533.0	8318.7	7820.8	6550.5	5387.3	4538.9	4103.5	3942.8	3916.0	3927.2	3965.1
32.5°	9455.1	9251.9	8428.1	6479.0	5016.7	4105.8	3735.2	3628.0	3587.8	3601.2	3619.1
35°	10178.5	10122.6	8990.7	6378.6	4561.2	3699.4	3404.7	3313.2	3235.0	3217.2	3230.6
37.5°	10861.6	10839.3	9412.7	6237.9	4110.2	3411.4	3139.0	3018.5	2904.6	2842.1	2844.3
40°	11611.8	11589.5	9689.5	6021.3	3710.6	3161.4	2900.2	2741.6	2601.0	2487.1	2498.3
42.5°	12455.7	12324.0	9821.2	5711.0	3371.2	2949.3	2705.9	2491.6	2306.3	2201.4	2208.0
45°	13377.8	13080.8	9819.0	5315.8	3085.5	2755.0	2498.3	2194.7	2022.7	1924.5	1920.0
47.5°	14355.7	13804.2	9698.4	4878.2	2808.6	2540.7	2176.8	1944.6	1830.7	1770.5	1757.1
50°	15364.8	14480.7	9493.0	4375.9	2525.1	2297.4	1975.9	1817.3	1730.3	1674.5	1654.4
52.5°	16313.7	15094.7	9245.2	3806.6	2237.1	2060.7	1886.6	1763.8	1672.2	1609.7	1582.9
55°	17195.5	15623.8	8894.7	3223.9	2002.6	1902.2	1844.1	1741.4	1636.5	1562.8	1533.8
57.5°	17979.2	15967.6	8289.7	2676.9	1835.2	1792.8	1799.5	1703.5	1582.9	1520.4	1480.2
60°	18631.1	16219.9	7394.4	2170.1	1699.0	1685.6	1730.3	1632.0	1491.4	1419.9	1388.7
62.5°	19021.8	16215.4	6296.0	1777.2	1582.9	1587.4	1638.7	1542.7	1399.8	1332.9	1312.8
65°	18988.3	15818.0	5090.3	1520.4	1471.3	1475.8	1542.7	1444.5	1323.9	1283.7	1281.5
67.5°	18316.3	14849.1	3904.8	1353.0	1348.5	1368.6	1446.7	1377.5	1277.1	1272.6	1279.3
70°	16496.7	12837.5	2813.1	1219.0	1221.2	1250.3	1353.0	1335.1	1252.5	1261.4	1259.2
72.5°	13228.2	9787.8	1888.8	1078.3	1080.6	1127.5	1263.7	1301.6	1227.9	1346.3	1364.1
75°	8809.9	6103.9	1214.5	928.8	931.0	991.3	1185.5	1236.9	1161.0	1341.8	1353.0
77.5°	4233.0	2743.9	879.6	781.4	781.4	837.2	1024.8	1107.4	989.0	1042.6	955.6
80°	1462.4	1031.5	692.1	629.6	616.2	654.2	864.0	960.0	852.9	785.9	736.8
82.5°	576.0	535.8	555.9	488.9	444.3	468.8	672.0	792.6	627.4	567.1	564.8
85°	330.4	348.3	392.9	323.7	256.7	288.0	493.4	569.3	473.3	417.5	426.4
87.5°	89.3	122.8	180.8	167.4	116.1	122.8	234.4	314.8	272.4	209.9	216.6
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)