

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: P528623

Luminaire Tested: **GALN-SA3D-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3D-727-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11295 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

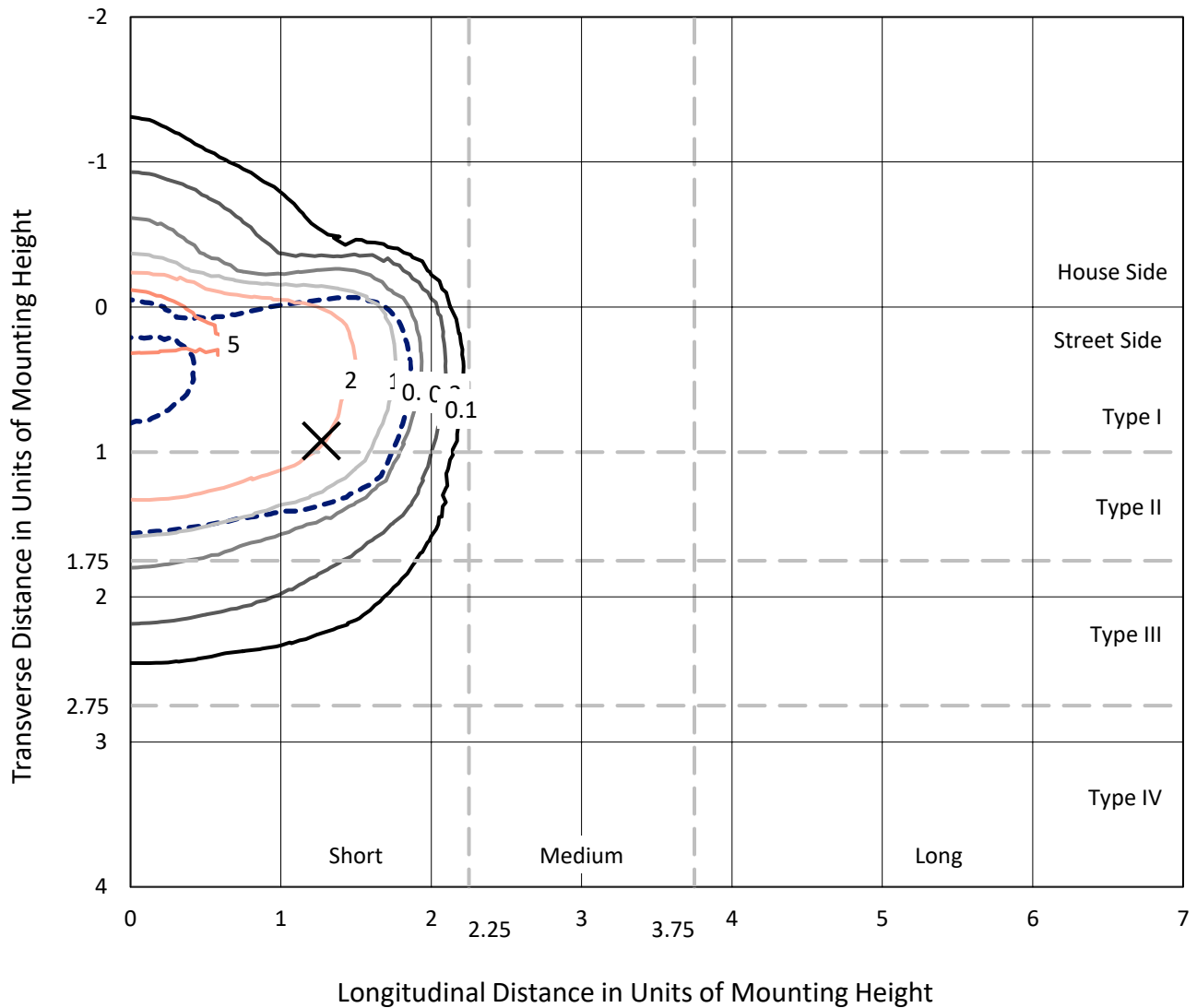
Input Watts (W): 184  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528623  
 CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

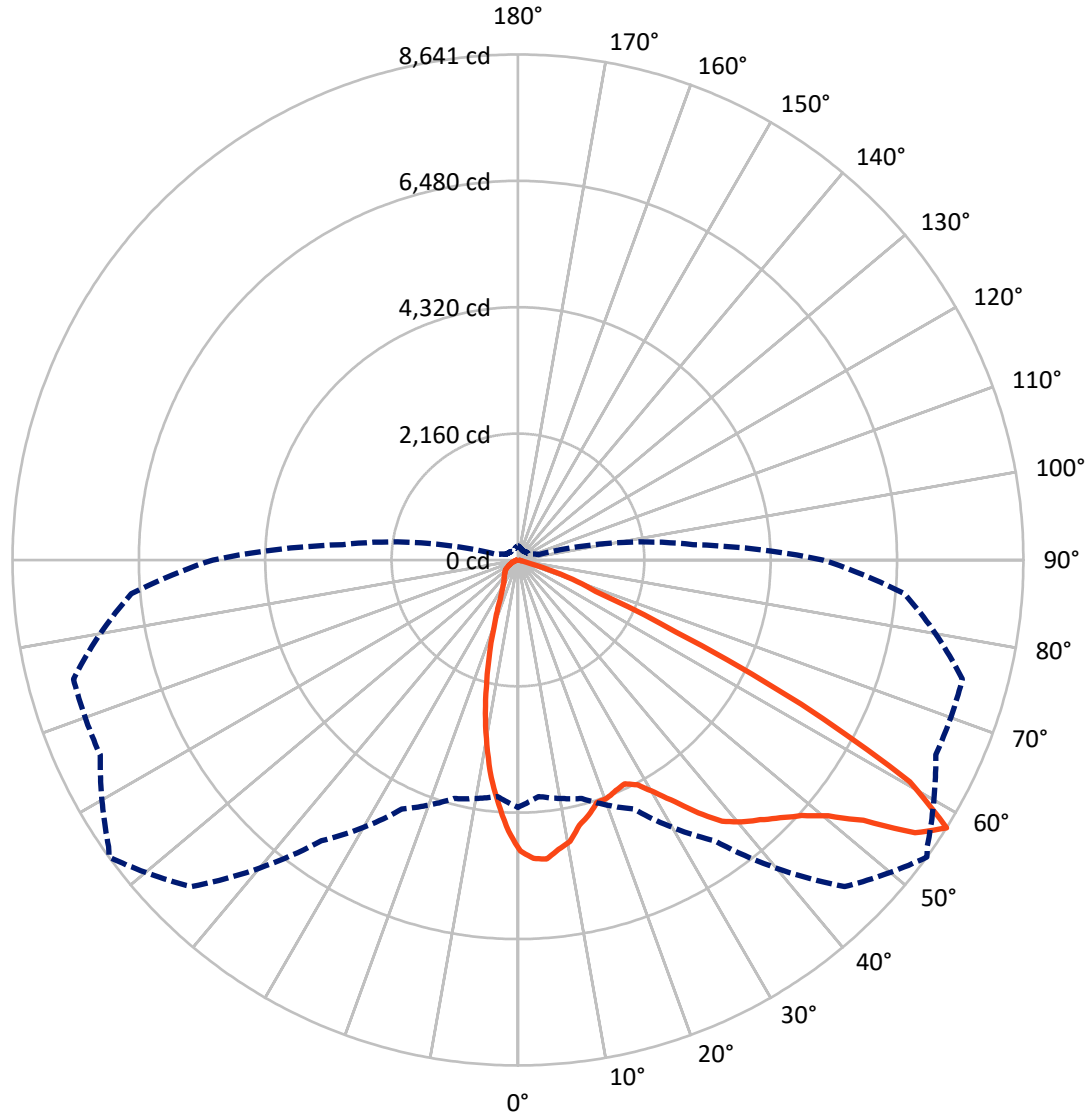
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type II - Short - N/A

REPORT NUMBER: P528623  
CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P528623  
 CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

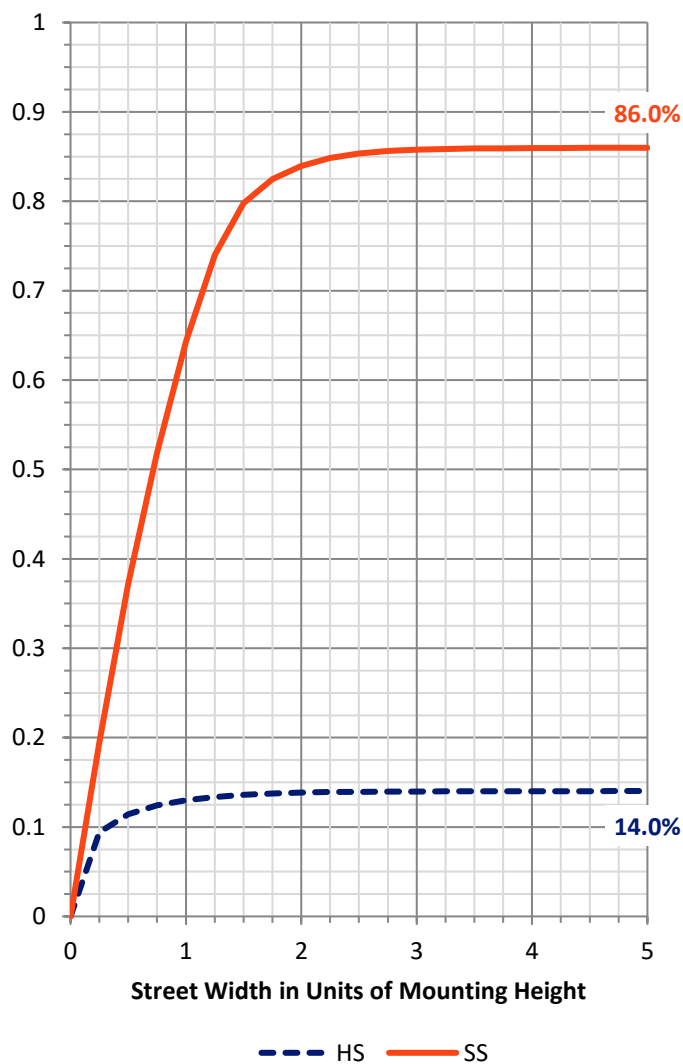
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1596.2	0.0	1596.2
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	9698.8	0.0	9698.8
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	11295.0	0.0	11295.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.4	3.7
10°-20°	888.9	7.9
20°-30°	1178.0	10.4
30°-40°	1712.0	15.2
40°-50°	2538.6	22.5
50°-60°	3174.5	28.1
60°-70°	1252.2	11.1
70°-80°	124.7	1.1
80°-90°	9.7	0.1
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°	11295.0	100.0
0°-180°	11295.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P528623

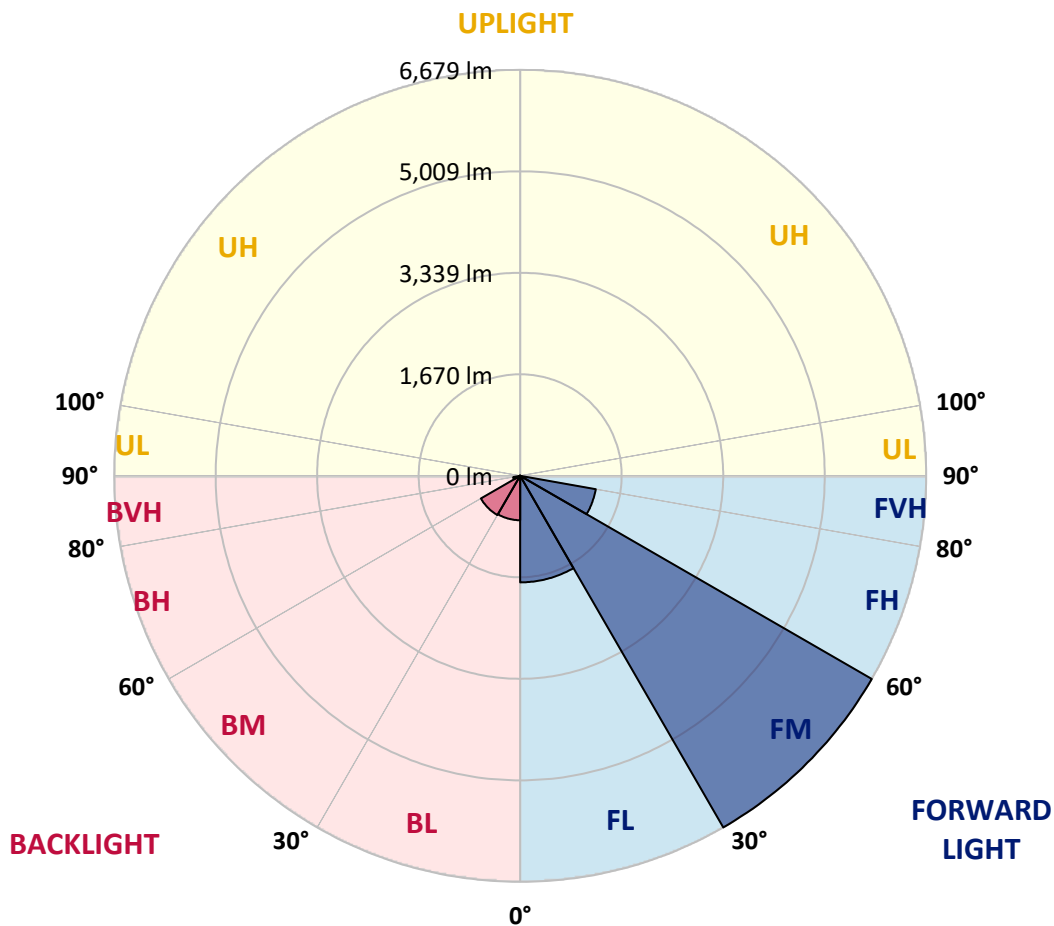
CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1753.3	15.5			
FM (30°-60°)	6678.7	59.1			
FH (60°-80°)	1262.4	11.2			G1/1800
FVH (80°-90°)	4.4	0.0			G0/10
BL (0°-30°)	730.0	6.5	B2/1000		
BM (30°-60°)	746.4	6.6	B1/1000		
BH (60°-80°)	114.4	1.0	B1/500		G1/500
BVH (80°-90°)	5.3	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-G1**

Type II Short





REPORT NUMBER: P528623

CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6
2.5°	5265.4	5210.8	5215.0	5196.1	5170.9	5189.8	5107.9	5126.8	5124.7	5013.4	4939.9
5°	5133.1	5191.9	5131.0	5181.4	5133.1	5185.6	5135.2	5097.4	5036.5	4954.6	4818.1
7.5°	4908.4	4851.7	4868.5	4931.5	4942.0	5059.6	4996.6	5044.9	5019.7	4858.0	4671.1
10°	4456.8	4444.2	4528.2	4612.2	4715.2	4841.2	4889.5	4862.2	4843.3	4782.4	4532.4
12.5°	4110.3	4146.0	4143.9	4282.5	4456.8	4528.2	4654.3	4650.1	4755.1	4641.7	4402.2
15°	3780.5	3799.4	3887.6	3973.8	4167.0	4370.7	4526.1	4547.1	4673.2	4593.3	4301.4
17.5°	3578.9	3551.6	3620.9	3723.8	3921.3	4188.0	4360.2	4410.6	4582.8	4566.0	4185.9
20°	3379.4	3379.4	3436.1	3557.9	3738.5	4038.9	4345.5	4330.8	4582.8	4534.5	4062.0
22.5°	3312.2	3345.8	3360.5	3452.9	3667.1	3925.5	4282.5	4309.8	4618.5	4519.8	4007.4
25°	3404.6	3360.5	3364.7	3438.2	3639.8	3870.8	4236.3	4297.2	4683.7	4593.3	3963.3
27.5°	3419.3	3463.4	3476.0	3526.4	3660.8	3887.6	4351.8	4475.7	4845.4	4765.6	3975.9
30°	3547.4	3591.5	3589.4	3675.5	3767.9	4024.2	4610.1	4635.4	5179.3	4981.9	4053.6
32.5°	3702.8	3749.0	3763.7	3864.5	3938.1	4274.1	4925.2	4990.3	5500.7	5322.1	4257.3
35°	3896.0	3879.2	3946.5	4047.3	4204.8	4639.6	5309.5	5418.8	5847.2	5763.2	4467.3
37.5°	4137.6	4116.6	4181.7	4345.5	4559.7	5072.2	5664.5	5735.9	6099.3	6172.8	4855.9
40°	4307.7	4316.1	4513.5	4734.1	4960.9	5483.9	5889.2	5958.5	6275.7	6555.0	5149.9
42.5°	4591.2	4643.8	4881.1	5149.9	5387.3	5792.6	6072.0	6139.2	6357.6	6861.7	5546.9
45°	5002.9	4979.8	5242.3	5542.7	5805.2	6114.0	6288.3	6265.2	6405.9	7166.2	5796.8
47.5°	5532.2	5536.4	5710.7	5966.9	6240.0	6393.3	6529.8	6447.9	6506.7	7487.6	6130.8
50°	5893.4	5924.9	6065.7	6328.2	6464.7	6699.9	6874.3	6823.9	6805.0	7680.8	6340.8
52.5°	5985.8	6080.4	6156.0	6483.6	6802.9	7174.6	7397.2	7504.4	7168.3	7745.9	6607.5
55°	5288.5	5372.6	5639.3	6088.8	6931.0	7926.5	8233.2	8235.3	7643.0	8035.7	6794.5
57.5°	4227.9	4057.8	4221.6	4698.4	5859.8	7895.0	8640.6	8541.9	7880.3	7865.6	6632.7
60°	2923.6	2881.6	2892.1	3081.1	4055.7	6279.9	7699.7	7827.8	7256.5	6817.6	5250.7
62.5°	2316.6	2280.9	2234.7	2213.7	2518.3	3912.9	5431.4	5612.0	5074.3	4421.1	3112.6
65°	1814.7	1793.7	1800.0	1884.0	1881.9	2220.0	2969.8	2896.3	2318.7	1713.8	978.7
67.5°	1224.5	1256.0	1281.2	1535.3	1665.5	1545.8	1434.5	1392.5	754.0	317.1	216.3
70°	688.9	693.1	720.4	959.8	1264.4	1199.3	989.2	989.2	376.0	115.5	123.9
72.5°	376.0	363.4	338.1	413.8	562.9	571.3	441.1	384.4	111.3	75.6	69.3
75°	182.7	180.6	155.4	128.1	121.8	100.8	77.7	71.4	50.4	48.3	42.0
77.5°	37.8	35.7	18.9	18.9	21.0	23.1	29.4	29.4	35.7	35.7	29.4
80°	0.0	0.0	2.1	8.4	14.7	21.0	25.2	25.2	29.4	29.4	23.1
82.5°	0.0	0.0	2.1	6.3	12.6	18.9	23.1	25.2	29.4	31.5	25.2
85°	0.0	0.0	0.0	4.2	10.5	14.7	12.6	12.6	10.5	8.4	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P528623

CATALOG NUMBER: GALN-SA3D-727-U-SL3-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6	4975.6
2.5°	4902.1	4897.9	4801.3	4746.7	4648.0	4561.8	4492.5	4442.1	4442.1	4410.6	4381.2
5°	4763.5	4727.8	4521.9	4389.6	4202.7	4064.1	3969.6	3896.0	3780.5	3812.0	3688.1
7.5°	4591.2	4500.9	4227.9	4026.3	3767.9	3570.5	3368.9	3190.3	3018.1	2940.4	2982.4
10°	4406.4	4248.9	3881.3	3562.1	3240.8	2879.5	2644.3	2358.6	2182.2	2171.7	2125.5
12.5°	4211.1	4032.6	3585.2	3144.1	2722.0	2287.2	1928.1	1661.3	1541.6	1409.3	1434.5
15°	4064.1	3799.4	3255.5	2724.1	2163.3	1724.3	1363.1	1157.3	1043.8	1012.3	1001.8
17.5°	3904.4	3620.9	2919.4	2276.7	1697.0	1241.3	980.8	882.1	838.0	838.0	831.7
20°	3738.5	3419.3	2585.5	1860.9	1272.8	926.2	785.5	754.0	751.9	749.8	749.8
22.5°	3629.3	3188.2	2283.0	1478.6	959.8	741.4	682.6	670.0	678.4	703.6	703.6
25°	3513.8	2965.6	1949.1	1140.5	743.5	636.4	602.8	611.2	632.2	655.3	646.9
27.5°	3396.2	2820.7	1634.0	894.7	609.1	556.6	544.0	562.9	586.0	607.0	600.7
30°	3368.9	2665.3	1335.8	678.4	523.0	485.2	493.6	510.4	533.5	541.9	550.3
32.5°	3410.9	2543.5	1094.3	556.6	455.8	445.3	445.3	453.7	468.4	487.3	481.0
35°	3530.6	2474.1	865.3	483.1	418.0	407.5	405.4	413.8	422.2	428.5	422.2
37.5°	3713.3	2419.5	707.8	428.5	392.8	376.0	371.8	369.7	378.1	380.2	384.4
40°	3946.5	2448.9	600.7	394.9	367.6	348.6	336.0	336.0	336.0	342.3	344.4
42.5°	4198.5	2488.8	518.8	376.0	344.4	321.3	308.7	304.5	308.7	317.1	315.0
45°	4463.1	2566.6	466.3	346.5	323.4	294.0	277.2	273.0	283.5	300.3	298.2
47.5°	4711.0	2677.9	426.4	327.6	302.4	275.1	254.1	249.9	268.8	291.9	294.0
50°	4958.8	2871.1	411.7	312.9	287.7	256.2	237.3	233.1	254.1	283.5	289.8
52.5°	5244.4	3079.0	401.2	294.0	270.9	241.5	220.5	216.3	239.4	277.2	279.3
55°	5431.4	3255.5	392.8	260.4	239.4	218.4	201.6	199.5	224.7	258.3	266.7
57.5°	5212.9	3009.7	363.4	226.8	203.7	193.2	178.5	178.5	199.5	231.0	237.3
60°	3952.8	1980.6	258.3	182.7	172.2	165.9	159.6	159.6	176.4	199.5	201.6
62.5°	2314.5	1067.0	165.9	147.0	147.0	140.7	130.2	130.2	147.0	159.6	161.7
65°	686.8	342.3	134.4	126.0	123.9	113.4	102.9	100.8	113.4	119.7	117.6
67.5°	197.4	157.5	111.3	105.0	102.9	86.1	79.8	77.7	79.8	75.6	73.5
70°	117.6	107.1	86.1	88.2	77.7	63.0	56.7	54.6	50.4	44.1	39.9
72.5°	65.1	65.1	63.0	67.2	54.6	42.0	35.7	29.4	23.1	18.9	16.8
75°	39.9	42.0	44.1	46.2	35.7	27.3	23.1	14.7	8.4	4.2	4.2
77.5°	27.3	29.4	31.5	33.6	29.4	25.2	18.9	10.5	2.1	0.0	0.0
80°	21.0	23.1	27.3	29.4	31.5	33.6	25.2	10.5	2.1	0.0	0.0
82.5°	23.1	25.2	31.5	29.4	29.4	29.4	23.1	10.5	2.1	0.0	0.0
85°	4.2	6.3	10.5	10.5	14.7	18.9	14.7	4.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)