

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: P532367

Luminaire Tested: **GALN-SA7D-727-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532367
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-SA7D-727-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 26352 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

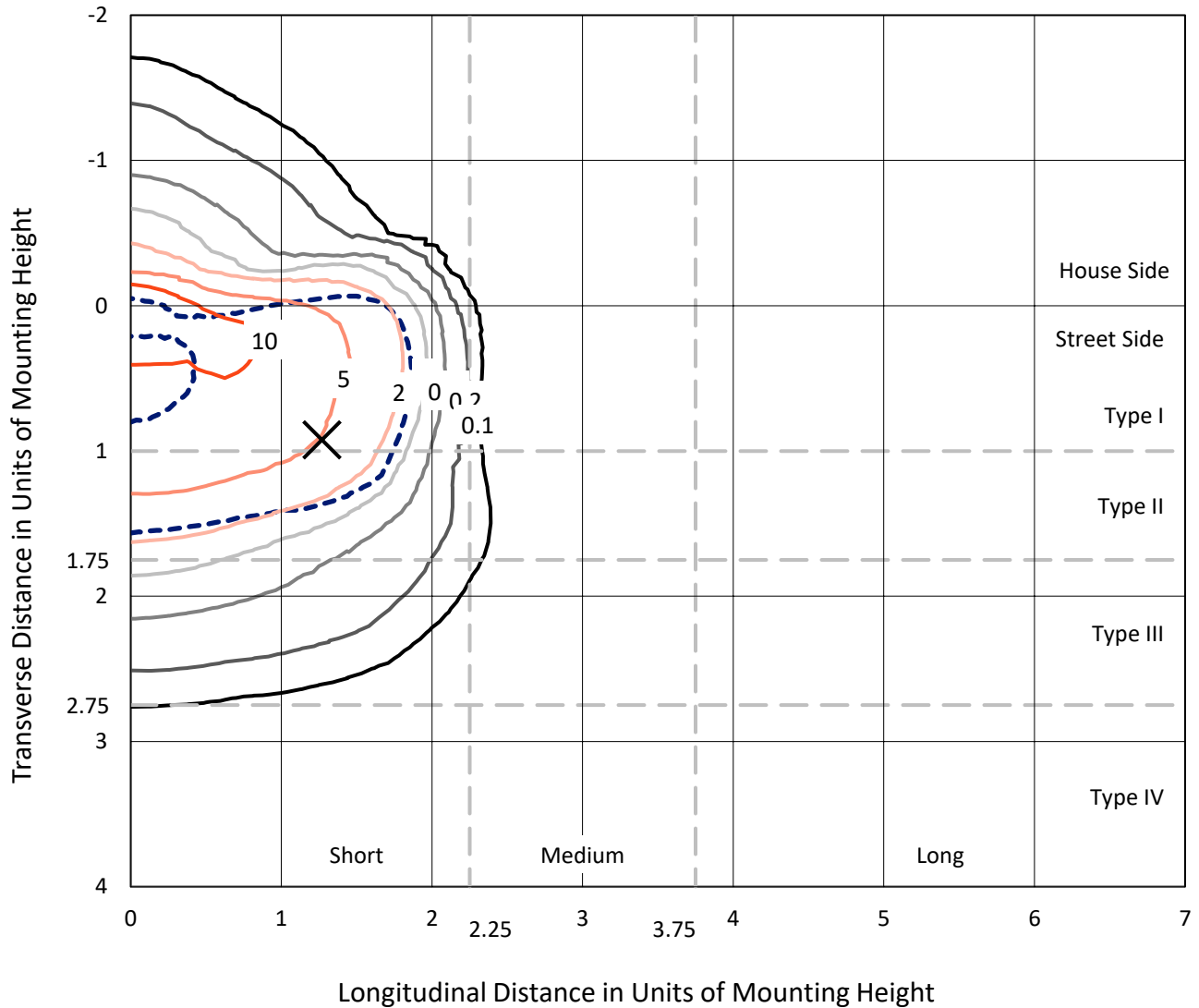
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532367
 CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

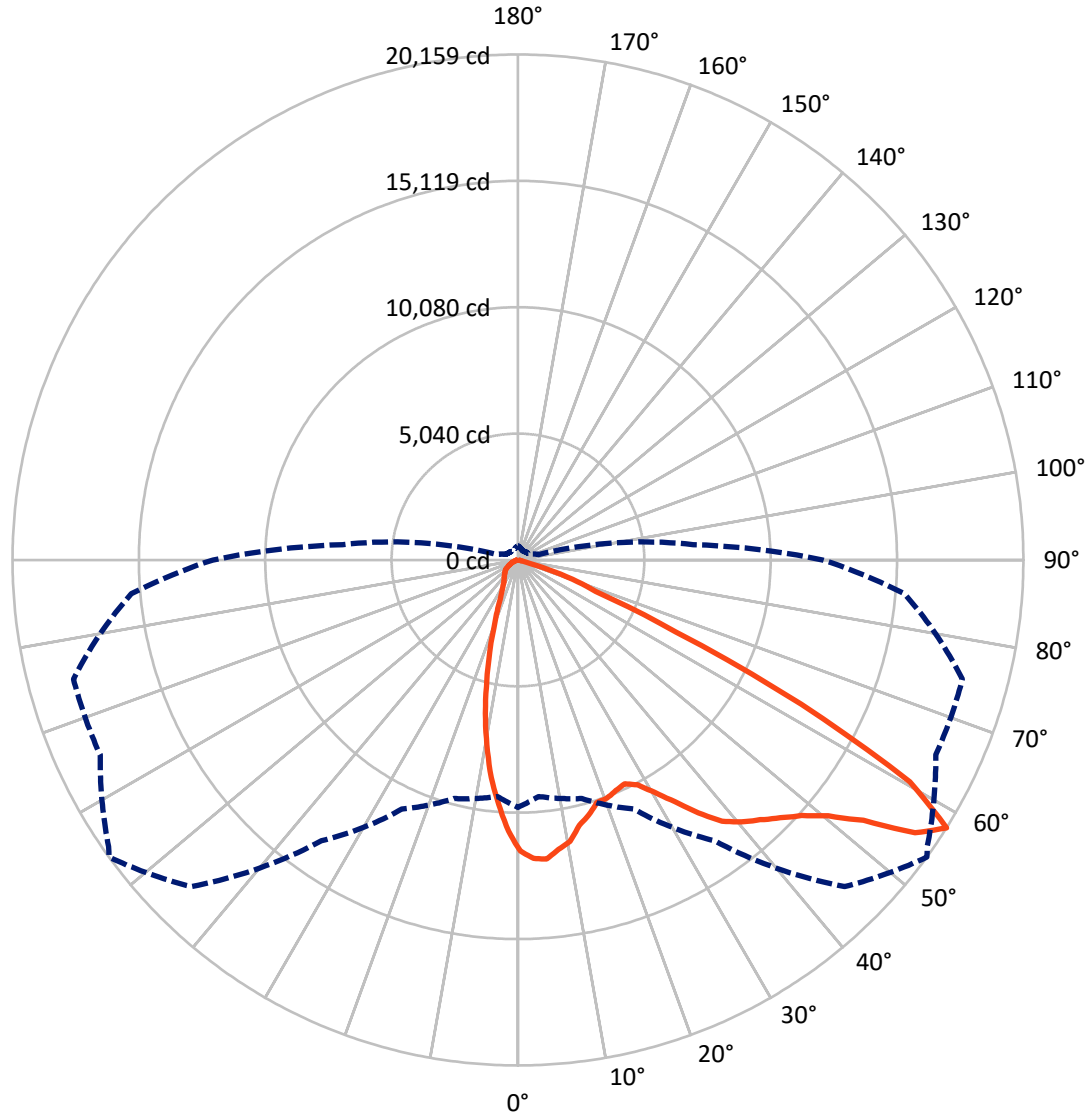
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 fc
 Type II - Short - N/A

REPORT NUMBER: P532367
CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532367
 CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

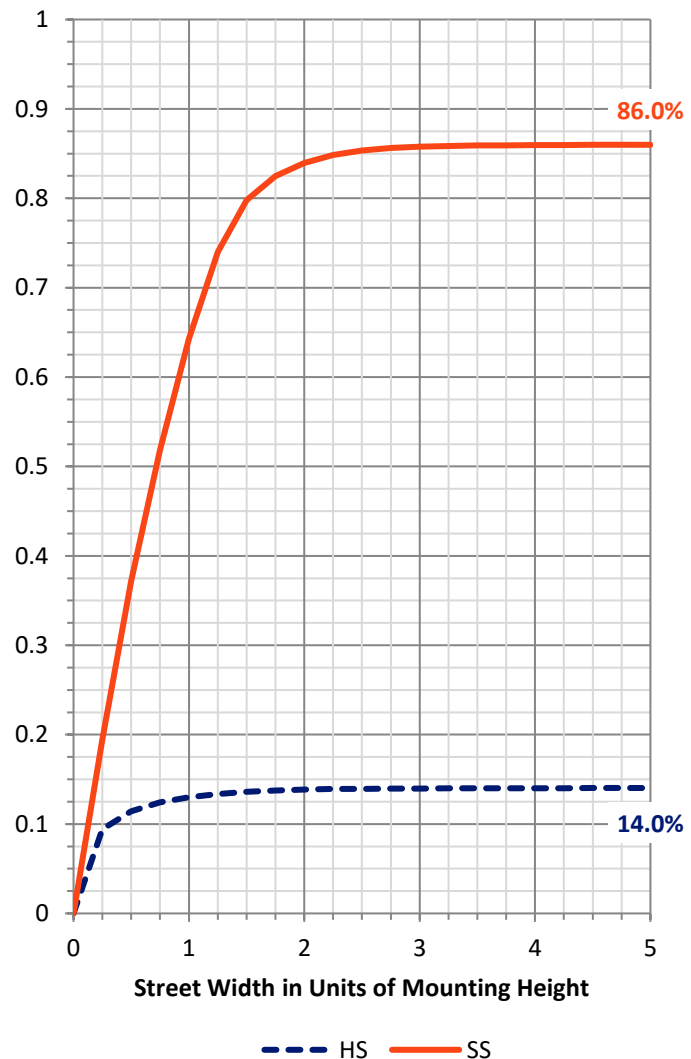
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3724.0	0.0	3724.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	22628.0	0.0	22628.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	26352.0	0.0	26352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	971.4	3.7
10°-20°	2074.0	7.9
20°-30°	2748.4	10.4
30°-40°	3994.2	15.2
40°-50°	5922.8	22.5
50°-60°	7406.3	28.1
60°-70°	2921.4	11.1
70°-80°	290.9	1.1
80°-90°	22.6	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°	26352.0	100.0
0°-180°	26352.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532367

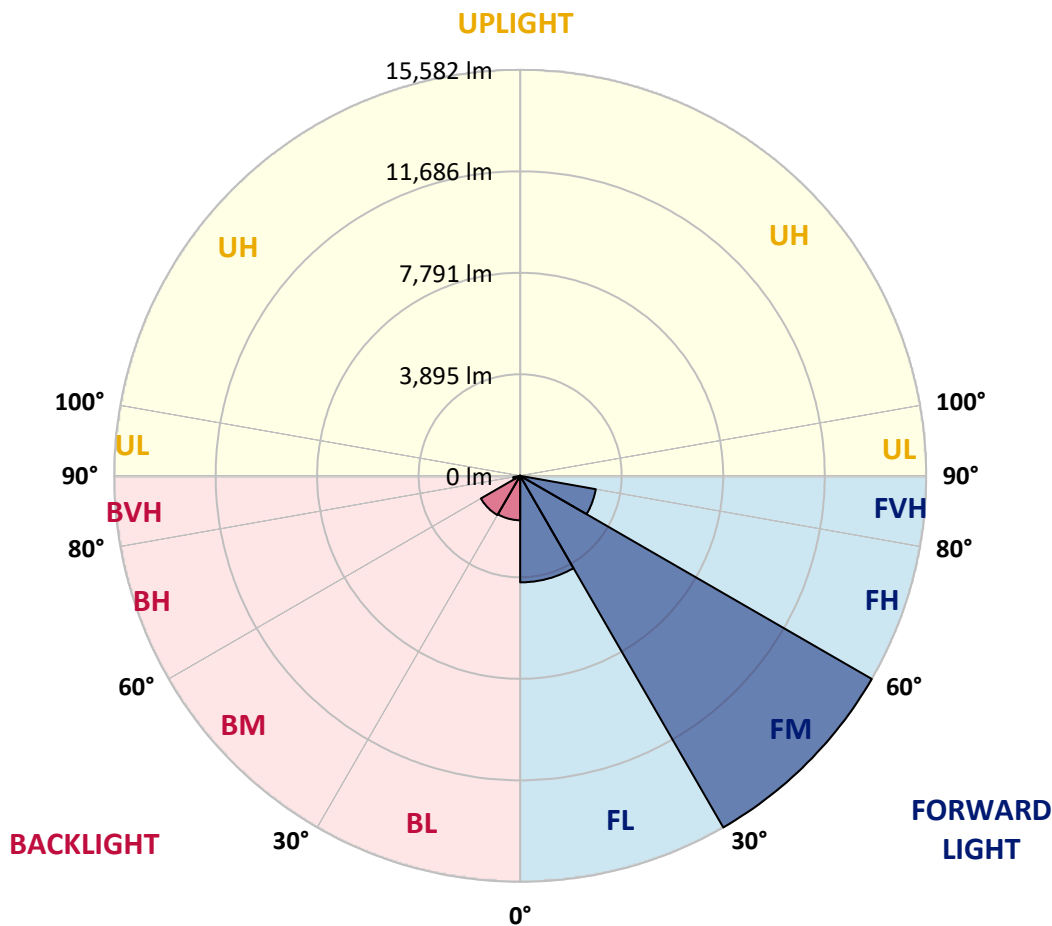
CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4090.6	15.5			
FM (30°-60°)	15581.9	59.1			
FH (60°-80°)	2945.3	11.2			G2/5000
FVH (80°-90°)	10.3	0.0			G1/100
BL (0°-30°)	1703.2	6.5	B3/2500		
BM (30°-60°)	1741.4	6.6	B2/2500		
BH (60°-80°)	267.0	1.0	B1/500		G1/500
BVH (80°-90°)	12.3	0.0			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





REPORT NUMBER: P532367

CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4
2.5°	12284.6	12157.2	12167.0	12122.9	12064.1	12108.2	11917.1	11961.2	11956.3	11696.6	11525.1
5°	11975.9	12113.1	11971.0	12088.6	11975.9	12098.4	11980.8	11892.6	11750.5	11559.4	11240.9
7.5°	11451.6	11319.3	11358.5	11505.5	11530.0	11804.4	11657.4	11770.1	11711.3	11334.0	10897.9
10°	10398.1	10368.7	10564.7	10760.7	11000.8	11294.8	11407.5	11343.8	11299.7	11157.6	10574.5
12.5°	9589.6	9672.9	9668.0	9991.4	10398.1	10564.7	10858.7	10848.9	11093.9	10829.3	10270.7
15°	8820.2	8864.3	9070.1	9271.0	9721.9	10197.2	10559.8	10608.8	10902.8	10716.6	10035.5
17.5°	8349.8	8286.1	8447.8	8687.9	9148.5	9770.9	10172.7	10290.3	10692.1	10652.9	9766.0
20°	7884.3	7884.3	8016.6	8300.8	8722.2	9423.0	10138.4	10104.1	10692.1	10579.4	9476.9
22.5°	7727.5	7805.9	7840.2	8055.8	8555.6	9158.3	9991.4	10055.1	10775.4	10545.1	9349.5
25°	7943.1	7840.2	7850.0	8021.5	8491.9	9030.9	9883.6	10025.7	10927.3	10716.6	9246.5
27.5°	7977.4	8080.3	8109.7	8227.3	8540.9	9070.1	10153.1	10442.2	11304.6	11118.4	9275.9
30°	8276.3	8379.2	8374.3	8575.2	8790.8	9388.7	10755.8	10814.6	12083.7	11623.1	9457.3
32.5°	8638.9	8746.7	8781.0	9016.2	9187.7	9971.8	11490.8	11642.7	12833.4	12416.9	9932.6
35°	9089.7	9050.5	9207.3	9442.6	9810.1	10824.4	12387.5	12642.3	13642.0	13446.0	10422.6
37.5°	9653.3	9604.3	9756.2	10138.4	10638.2	11833.8	13215.7	13382.3	14230.0	14401.5	11329.1
40°	10050.2	10069.8	10530.4	11044.9	11574.1	12794.2	13740.0	13901.7	14641.6	15293.3	12015.1
42.5°	10711.7	10834.2	11387.9	12015.1	12568.8	13514.6	14166.3	14323.1	14832.7	16008.7	12941.2
45°	11672.1	11618.2	12230.7	12931.4	13544.0	14264.3	14671.0	14617.1	14945.4	16719.2	13524.4
47.5°	12906.9	12916.7	13323.5	13921.3	14558.3	14916.0	15234.5	15043.4	15180.6	17469.0	14303.5
50°	13749.8	13823.3	14151.6	14764.1	15082.6	15631.4	16038.1	15920.5	15876.4	17919.8	14793.5
52.5°	13965.4	14185.9	14362.3	15126.7	15871.5	16738.8	17258.3	17508.2	16724.1	18071.7	15415.8
55°	12338.5	12534.5	13156.9	14205.5	16170.4	18493.1	19208.5	19213.4	17831.6	18747.9	15851.9
57.5°	9864.0	9467.1	9849.3	10961.6	13671.4	18419.6	20159.1	19928.8	18385.3	18351.0	15474.6
60°	6821.0	6723.0	6747.5	7188.5	9462.2	14651.4	17963.9	18262.8	16930.0	15905.8	12250.3
62.5°	5404.8	5321.5	5213.7	5164.7	5875.3	9128.9	12671.7	13093.2	11838.7	10314.8	7262.0
65°	4233.7	4184.7	4199.4	4395.4	4390.5	5179.4	6928.8	6757.3	5409.7	3998.5	2283.5
67.5°	2856.8	2930.3	2989.1	3582.0	3885.8	3606.5	3346.8	3248.8	1759.1	739.9	504.7
70°	1607.2	1617.0	1680.7	2239.4	2949.9	2798.0	2308.0	2308.0	877.1	269.5	289.1
72.5°	877.1	847.7	788.9	965.3	1313.2	1332.8	1029.0	896.7	259.7	176.4	161.7
75°	426.3	421.4	362.6	298.9	284.2	235.2	181.3	166.6	117.6	112.7	98.0
77.5°	88.2	83.3	44.1	44.1	49.0	53.9	68.6	68.6	83.3	83.3	68.6
80°	0.0	0.0	4.9	19.6	34.3	49.0	58.8	58.8	68.6	68.6	53.9
82.5°	0.0	0.0	4.9	14.7	29.4	44.1	53.9	58.8	68.6	73.5	58.8
85°	0.0	0.0	0.0	9.8	24.5	34.3	29.4	29.4	24.5	19.6	9.8
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: P532367

CATALOG NUMBER: GALN-SA7D-727-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4	11608.4
2.5°	11436.9	11427.1	11201.7	11074.3	10844.0	10643.1	10481.4	10363.8	10363.8	10290.3	10221.7
5°	11113.5	11030.2	10550.0	10241.3	9805.2	9481.8	9261.2	9089.7	8820.2	8893.7	8604.6
7.5°	10711.7	10501.0	9864.0	9393.6	8790.8	8330.2	7859.8	7443.3	7041.5	6860.2	6958.2
10°	10280.5	9913.0	9055.4	8310.6	7560.9	6718.1	6169.3	5502.8	5091.2	5066.7	4958.9
12.5°	9824.8	9408.3	8364.5	7335.5	6350.6	5336.2	4498.3	3876.0	3596.7	3288.0	3346.8
15°	9481.8	8864.3	7595.2	6355.5	5047.1	4023.0	3180.2	2700.0	2435.4	2361.9	2337.4
17.5°	9109.3	8447.8	6811.2	5311.7	3959.3	2896.0	2288.4	2058.1	1955.2	1955.2	1940.5
20°	8722.2	7977.4	6032.1	4341.5	2969.5	2161.0	1832.6	1759.1	1754.2	1749.3	1749.3
22.5°	8467.4	7438.4	5326.4	3449.7	2239.4	1729.7	1592.5	1563.1	1582.7	1641.5	1641.5
25°	8197.9	6919.0	4547.3	2660.8	1734.6	1484.7	1406.3	1425.9	1474.9	1528.8	1509.2
27.5°	7923.5	6580.9	3812.3	2087.5	1421.0	1298.5	1269.1	1313.2	1367.1	1416.1	1401.4
30°	7859.8	6218.3	3116.5	1582.7	1220.1	1131.9	1151.5	1190.7	1244.6	1264.2	1283.8
32.5°	7957.8	5934.1	2553.0	1298.5	1063.3	1038.8	1038.8	1058.4	1092.7	1136.8	1122.1
35°	8237.1	5772.4	2018.9	1127.0	975.1	950.6	945.7	965.3	984.9	999.6	984.9
37.5°	8663.4	5645.0	1651.3	999.6	916.3	877.1	867.3	862.4	882.0	886.9	896.7
40°	9207.3	5713.6	1401.4	921.2	857.5	813.4	784.0	784.0	784.0	798.7	803.6
42.5°	9795.4	5806.7	1210.3	877.1	803.6	749.7	720.3	710.5	720.3	739.9	735.0
45°	10412.8	5988.0	1087.8	808.5	754.6	686.0	646.8	637.0	661.5	700.7	695.8
47.5°	10991.0	6247.7	994.7	764.4	705.6	641.9	592.9	583.1	627.2	681.1	686.0
50°	11569.2	6698.5	960.4	730.1	671.3	597.8	553.7	543.9	592.9	661.5	676.2
52.5°	12235.6	7183.6	935.9	686.0	632.1	563.5	514.5	504.7	558.6	646.8	651.7
55°	12671.7	7595.2	916.3	607.6	558.6	509.6	470.4	465.5	524.3	602.7	622.3
57.5°	12162.1	7021.9	847.7	529.2	475.3	450.8	416.5	416.5	465.5	539.0	553.7
60°	9222.0	4620.8	602.7	426.3	401.8	387.1	372.4	372.4	411.6	465.5	470.4
62.5°	5399.9	2489.3	387.1	343.0	343.0	328.3	303.8	303.8	343.0	372.4	377.3
65°	1602.3	798.7	313.6	294.0	289.1	264.6	240.1	235.2	264.6	279.3	274.4
67.5°	460.6	367.5	259.7	245.0	240.1	200.9	186.2	181.3	186.2	176.4	171.5
70°	274.4	249.9	200.9	205.8	181.3	147.0	132.3	127.4	117.6	102.9	93.1
72.5°	151.9	151.9	147.0	156.8	127.4	98.0	83.3	68.6	53.9	44.1	39.2
75°	93.1	98.0	102.9	107.8	83.3	63.7	53.9	34.3	19.6	9.8	9.8
77.5°	63.7	68.6	73.5	78.4	68.6	58.8	44.1	24.5	4.9	0.0	0.0
80°	49.0	53.9	63.7	68.6	73.5	78.4	58.8	24.5	4.9	0.0	0.0
82.5°	53.9	58.8	73.5	68.6	68.6	68.6	53.9	24.5	4.9	0.0	0.0
85°	9.8	14.7	24.5	24.5	34.3	44.1	34.3	9.8	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)