

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: P532627

Luminaire Tested: **GALN-SA8A-730-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532627
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-SA8A-730-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 615mA 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: 19668 lumens
Efficiency: N/A
Efficacy: 80.6 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

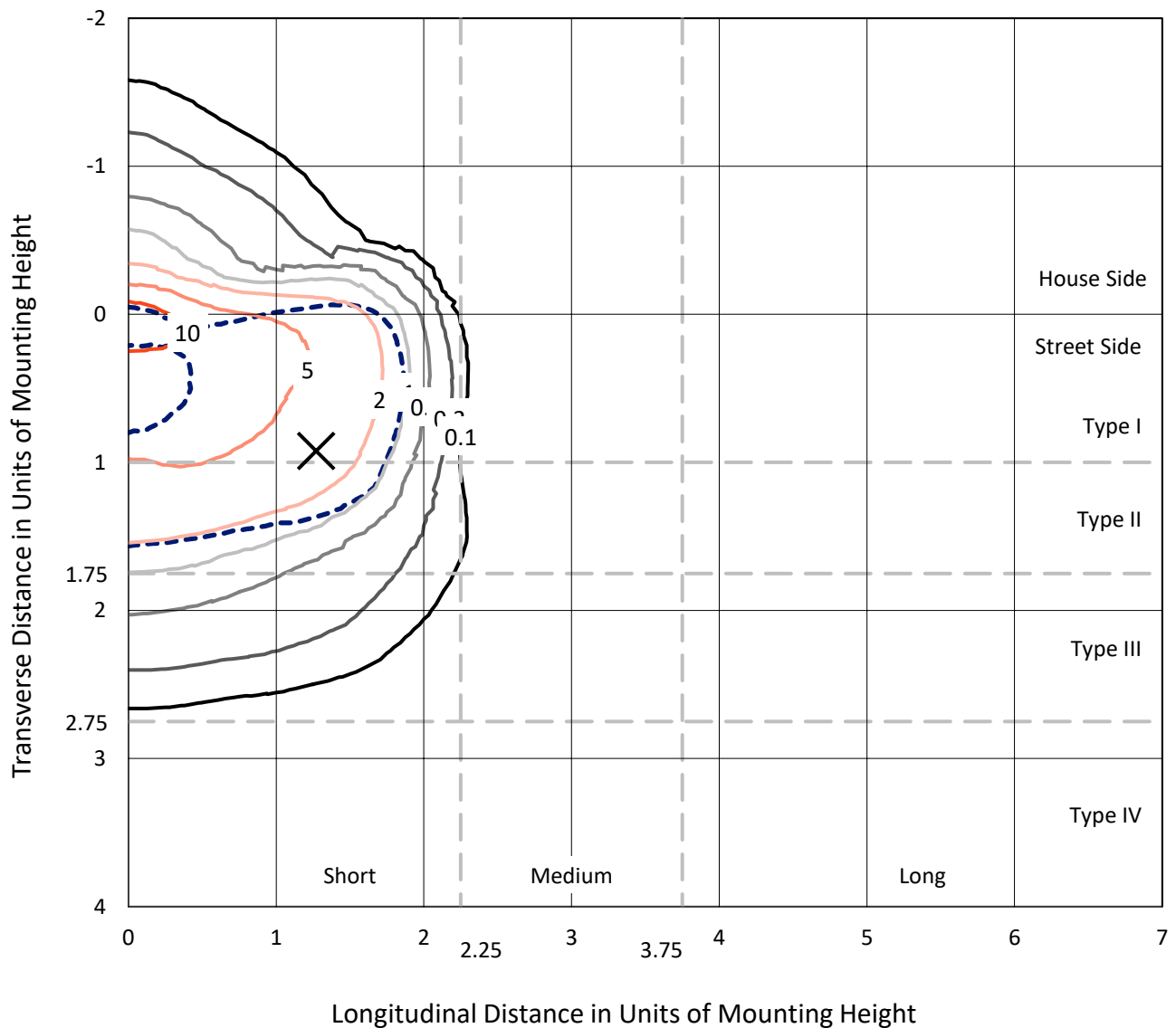
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532627
 CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

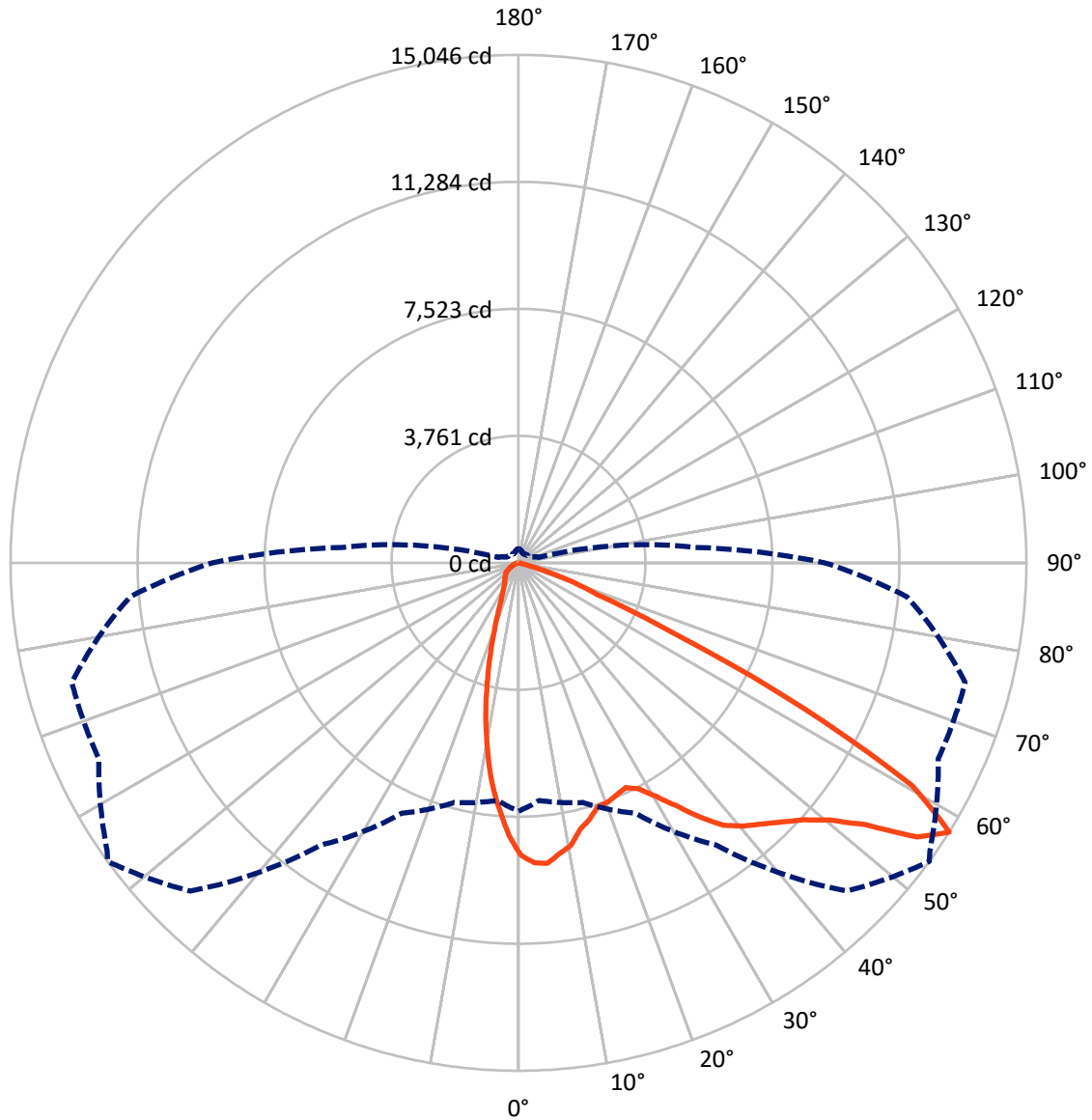
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
 Type II - Short - N/A

REPORT NUMBER: P532627
CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P532627
 CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

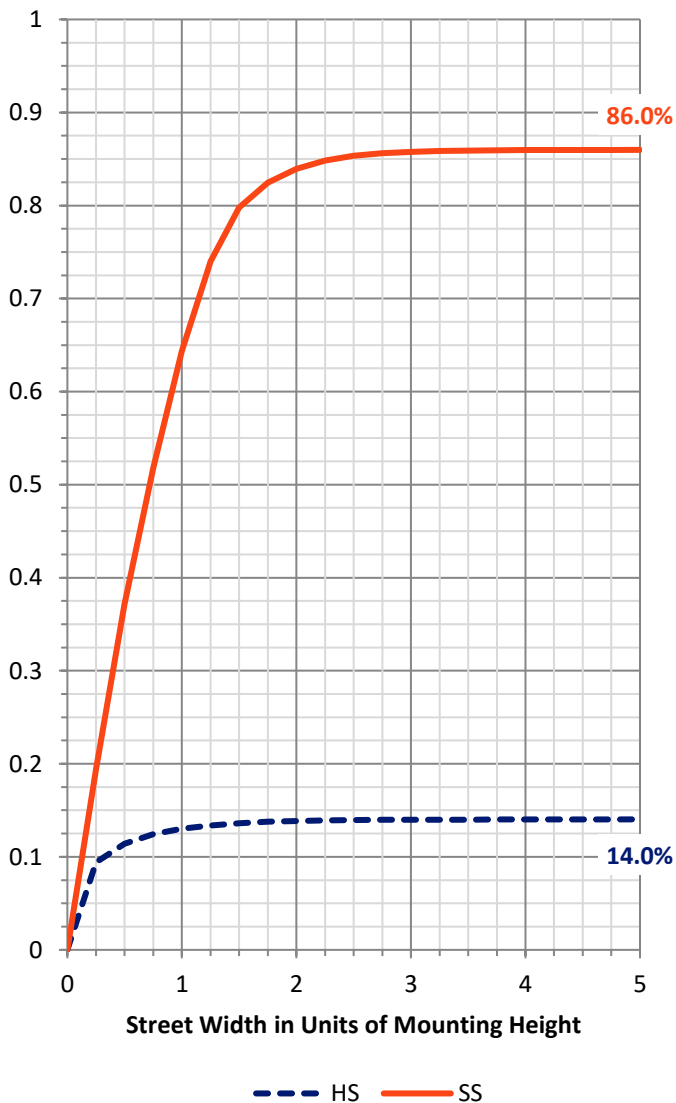
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2779.4	0.0	2779.4
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	16888.6	0.0	16888.6
	% Fixture	85.9	0.0	85.9
Total	Lumens	19668.0	0.0	19668.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.0	3.7
10°-20°	1547.9	7.9
20°-30°	2051.3	10.4
30°-40°	2981.1	15.2
40°-50°	4420.6	22.5
50°-60°	5527.7	28.1
60°-70°	2180.4	11.1
70°-80°	217.1	1.1
80°-90°	16.9	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°	19668.0	100.0
0°-180°	19668.0	100.0

Coefficient of Utilization



REPORT NUMBER: P532627

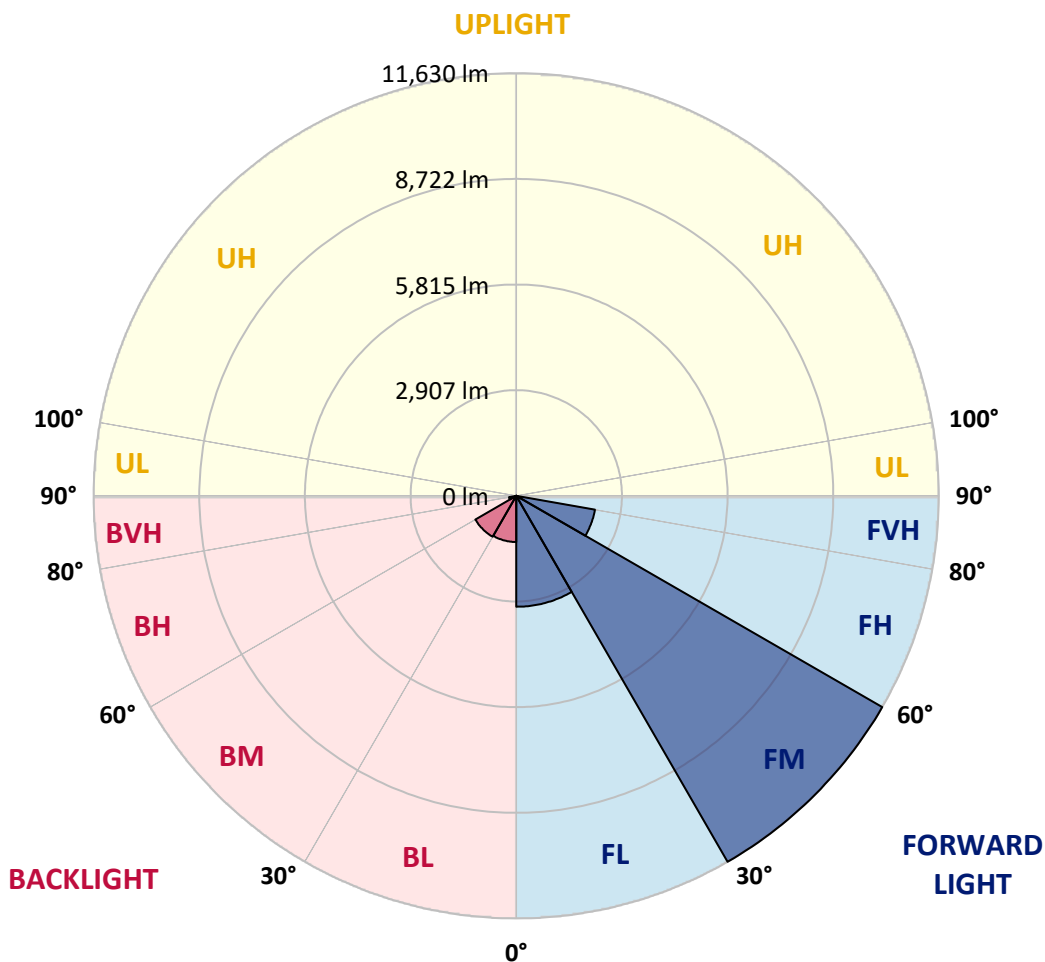
CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3053.0	15.5			
FM (30°-60°)	11629.6	59.1			
FH (60°-80°)	2198.2	11.2			G2/5000
FVH (80°-90°)	7.7	0.0			G0/10
BL (0°-30°)	1271.2	6.5	B3/2500		
BM (30°-60°)	1299.7	6.6	B2/2500		
BH (60°-80°)	199.3	1.0	B1/500		G1/500
BVH (80°-90°)	9.2	0.0			G0/10
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: P532627

CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0
2.5°	9168.7	9073.6	9080.9	9048.0	9004.1	9037.1	8894.4	8927.3	8923.7	8729.8	8601.8
5°	8938.3	9040.7	8934.7	9022.4	8938.3	9029.7	8942.0	8876.1	8770.1	8627.4	8389.7
7.5°	8547.0	8448.2	8477.5	8587.2	8605.5	8810.3	8700.6	8784.7	8740.8	8459.2	8133.7
10°	7760.7	7738.7	7885.0	8031.3	8210.5	8430.0	8514.1	8466.5	8433.6	8327.6	7892.3
12.5°	7157.2	7219.4	7215.7	7457.1	7760.7	7885.0	8104.5	8097.1	8280.0	8082.5	7665.6
15°	6583.0	6616.0	6769.6	6919.5	7256.0	7610.7	7881.4	7917.9	8137.4	7998.4	7490.0
17.5°	6231.9	6184.4	6305.1	6484.3	6828.1	7292.6	7592.4	7680.2	7980.1	7950.9	7288.9
20°	5884.5	5884.5	5983.3	6195.4	6509.9	7032.9	7566.8	7541.2	7980.1	7896.0	7073.1
22.5°	5767.5	5826.0	5851.6	6012.5	6385.6	6835.4	7457.1	7504.7	8042.3	7870.4	6978.0
25°	5928.4	5851.6	5858.9	5986.9	6338.0	6740.3	7376.7	7482.7	8155.7	7998.4	6901.2
27.5°	5954.0	6030.8	6052.7	6140.5	6374.6	6769.6	7577.8	7793.6	8437.3	8298.3	6923.2
30°	6177.1	6253.9	6250.2	6400.2	6561.1	7007.3	8027.7	8071.5	9018.8	8675.0	7058.5
32.5°	6447.7	6528.2	6553.8	6729.3	6857.3	7442.5	8576.2	8689.6	9578.3	9267.5	7413.2
35°	6784.2	6754.9	6872.0	7047.5	7321.8	8078.9	9245.5	9435.7	10181.8	10035.5	7779.0
37.5°	7204.8	7168.2	7281.6	7566.8	7939.9	8832.3	9863.6	9987.9	10620.6	10748.6	8455.6
40°	7501.0	7515.6	7859.4	8243.4	8638.4	9549.1	10254.9	10375.6	10927.9	11414.3	8967.6
42.5°	7994.7	8086.2	8499.4	8967.6	9380.8	10086.7	10573.1	10690.1	11070.5	11948.2	9658.8
45°	8711.6	8671.3	9128.5	9651.5	10108.6	10646.2	10949.8	10909.6	11154.6	12478.5	10094.0
47.5°	9633.2	9640.5	9944.1	10390.2	10865.7	11132.7	11370.4	11227.7	11330.2	13038.1	10675.5
50°	10262.2	10317.1	10562.1	11019.3	11257.0	11666.6	11970.2	11882.4	11849.5	13374.6	11041.2
52.5°	10423.2	10587.7	10719.4	11289.9	11845.8	12493.2	12880.8	13067.3	12482.2	13487.9	11505.7
55°	9208.9	9355.2	9819.7	10602.4	12068.9	13802.5	14336.4	14340.1	13308.7	13992.6	11831.2
57.5°	7362.0	7065.8	7351.1	8181.3	10203.7	13747.6	15045.9	14874.0	13722.0	13696.4	11549.6
60°	5090.9	5017.7	5036.0	5365.2	7062.1	10935.2	13407.5	13630.6	12635.8	11871.4	9143.1
62.5°	4033.9	3971.8	3891.3	3854.7	4385.0	6813.5	9457.6	9772.2	8835.9	7698.5	5420.0
65°	3159.9	3123.3	3134.3	3280.6	3276.9	3865.7	5171.3	5043.3	4037.6	2984.3	1704.3
67.5°	2132.2	2187.0	2230.9	2673.4	2900.2	2691.7	2497.9	2424.8	1313.0	552.2	376.7
70°	1199.6	1206.9	1254.4	1671.4	2201.7	2088.3	1722.6	1722.6	654.6	201.1	215.8
72.5°	654.6	632.7	588.8	720.5	980.1	994.8	768.0	669.3	193.8	131.7	120.7
75°	318.2	314.5	270.6	223.1	212.1	175.5	135.3	124.3	87.8	84.1	73.1
77.5°	65.8	62.2	32.9	32.9	36.6	40.2	51.2	51.2	62.2	62.2	51.2
80°	0.0	0.0	3.7	14.6	25.6	36.6	43.9	43.9	51.2	51.2	40.2
82.5°	0.0	0.0	3.7	11.0	21.9	32.9	40.2	43.9	51.2	54.9	43.9
85°	0.0	0.0	0.0	7.3	18.3	25.6	21.9	21.9	18.3	14.6	7.3
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: P532627

CATALOG NUMBER: GALN-SA8A-730-U-SL3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0	8664.0
2.5°	8536.0	8528.7	8360.5	8265.4	8093.5	7943.5	7822.9	7735.1	7735.1	7680.2	7629.0
5°	8294.6	8232.5	7874.1	7643.6	7318.2	7076.8	6912.2	6784.2	6583.0	6637.9	6422.1
7.5°	7994.7	7837.5	7362.0	7010.9	6561.1	6217.3	5866.2	5555.4	5255.5	5120.1	5193.3
10°	7672.9	7398.6	6758.6	6202.7	5643.1	5014.1	4604.5	4107.1	3799.9	3781.6	3701.1
12.5°	7332.8	7021.9	6242.9	5474.9	4739.8	3982.7	3357.4	2892.9	2684.4	2454.0	2497.9
15°	7076.8	6616.0	5668.7	4743.4	3767.0	3002.6	2373.6	2015.1	1817.7	1762.8	1744.5
17.5°	6798.8	6305.1	5083.6	3964.5	2955.1	2161.4	1707.9	1536.0	1459.2	1459.2	1448.3
20°	6509.9	5954.0	4502.1	3240.3	2216.3	1612.8	1367.8	1313.0	1309.3	1305.6	1305.6
22.5°	6319.7	5551.7	3975.4	2574.7	1671.4	1291.0	1188.6	1166.7	1181.3	1225.2	1225.2
25°	6118.6	5164.0	3393.9	1985.9	1294.7	1108.1	1049.6	1064.3	1100.8	1141.1	1126.4
27.5°	5913.8	4911.7	2845.3	1558.0	1060.6	969.2	947.2	980.1	1020.4	1056.9	1046.0
30°	5866.2	4641.0	2326.0	1181.3	910.7	844.8	859.5	888.7	928.9	943.6	958.2
32.5°	5939.4	4428.9	1905.4	969.2	793.6	775.3	775.3	790.0	815.6	848.5	837.5
35°	6147.8	4308.2	1506.8	841.2	727.8	709.5	705.8	720.5	735.1	746.1	735.1
37.5°	6466.0	4213.1	1232.5	746.1	683.9	654.6	647.3	643.7	658.3	662.0	669.3
40°	6872.0	4264.4	1046.0	687.6	640.0	607.1	585.2	585.2	585.2	596.1	599.8
42.5°	7310.8	4333.8	903.3	654.6	599.8	559.6	537.6	530.3	537.6	552.2	548.6
45°	7771.7	4469.2	811.9	603.4	563.2	512.0	482.8	475.4	493.7	523.0	519.3
47.5°	8203.2	4663.0	742.4	570.5	526.6	479.1	442.5	435.2	468.1	508.4	512.0
50°	8634.8	4999.5	716.8	544.9	501.0	446.2	413.3	406.0	442.5	493.7	504.7
52.5°	9132.1	5361.5	698.5	512.0	471.8	420.6	384.0	376.7	416.9	482.8	486.4
55°	9457.6	5668.7	683.9	453.5	416.9	380.4	351.1	347.4	391.3	449.8	464.5
57.5°	9077.3	5240.8	632.7	395.0	354.8	336.5	310.9	310.9	347.4	402.3	413.3
60°	6882.9	3448.8	449.8	318.2	299.9	288.9	278.0	278.0	307.2	347.4	351.1
62.5°	4030.3	1857.9	288.9	256.0	256.0	245.0	226.7	226.7	256.0	278.0	281.6
65°	1195.9	596.1	234.1	219.4	215.8	197.5	179.2	175.5	197.5	208.5	204.8
67.5°	343.8	274.3	193.8	182.9	179.2	149.9	139.0	135.3	139.0	131.7	128.0
70°	204.8	186.5	149.9	153.6	135.3	109.7	98.7	95.1	87.8	76.8	69.5
72.5°	113.4	113.4	109.7	117.0	95.1	73.1	62.2	51.2	40.2	32.9	29.3
75°	69.5	73.1	76.8	80.5	62.2	47.5	40.2	25.6	14.6	7.3	7.3
77.5°	47.5	51.2	54.9	58.5	51.2	43.9	32.9	18.3	3.7	0.0	0.0
80°	36.6	40.2	47.5	51.2	54.9	58.5	43.9	18.3	3.7	0.0	0.0
82.5°	40.2	43.9	54.9	51.2	51.2	51.2	40.2	18.3	3.7	0.0	0.0
85°	7.3	11.0	18.3	18.3	25.6	32.9	25.6	7.3	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)