

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: P652466

Luminaire Tested: **GALN-SA6B-840-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-840-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16946.2 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

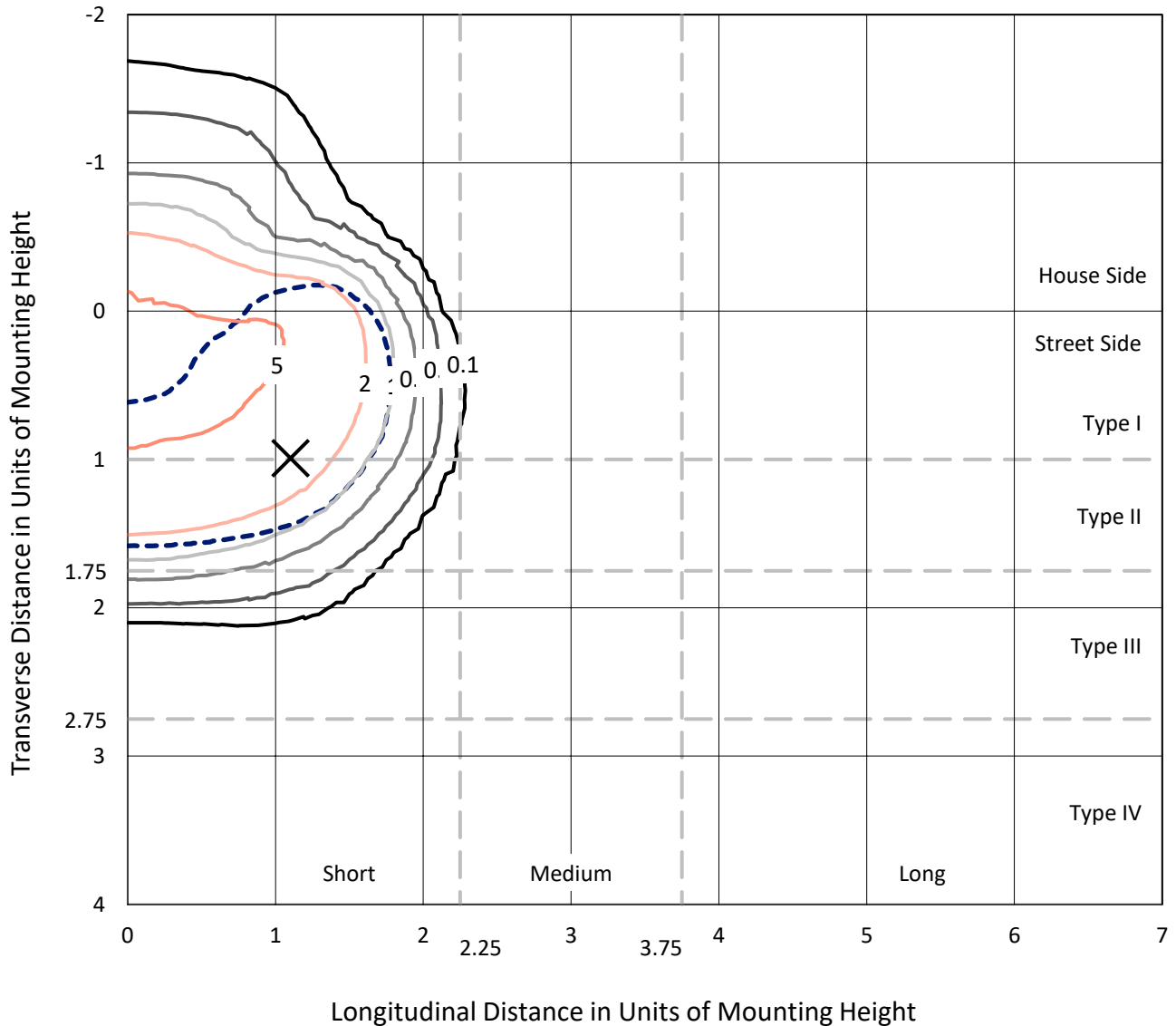
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

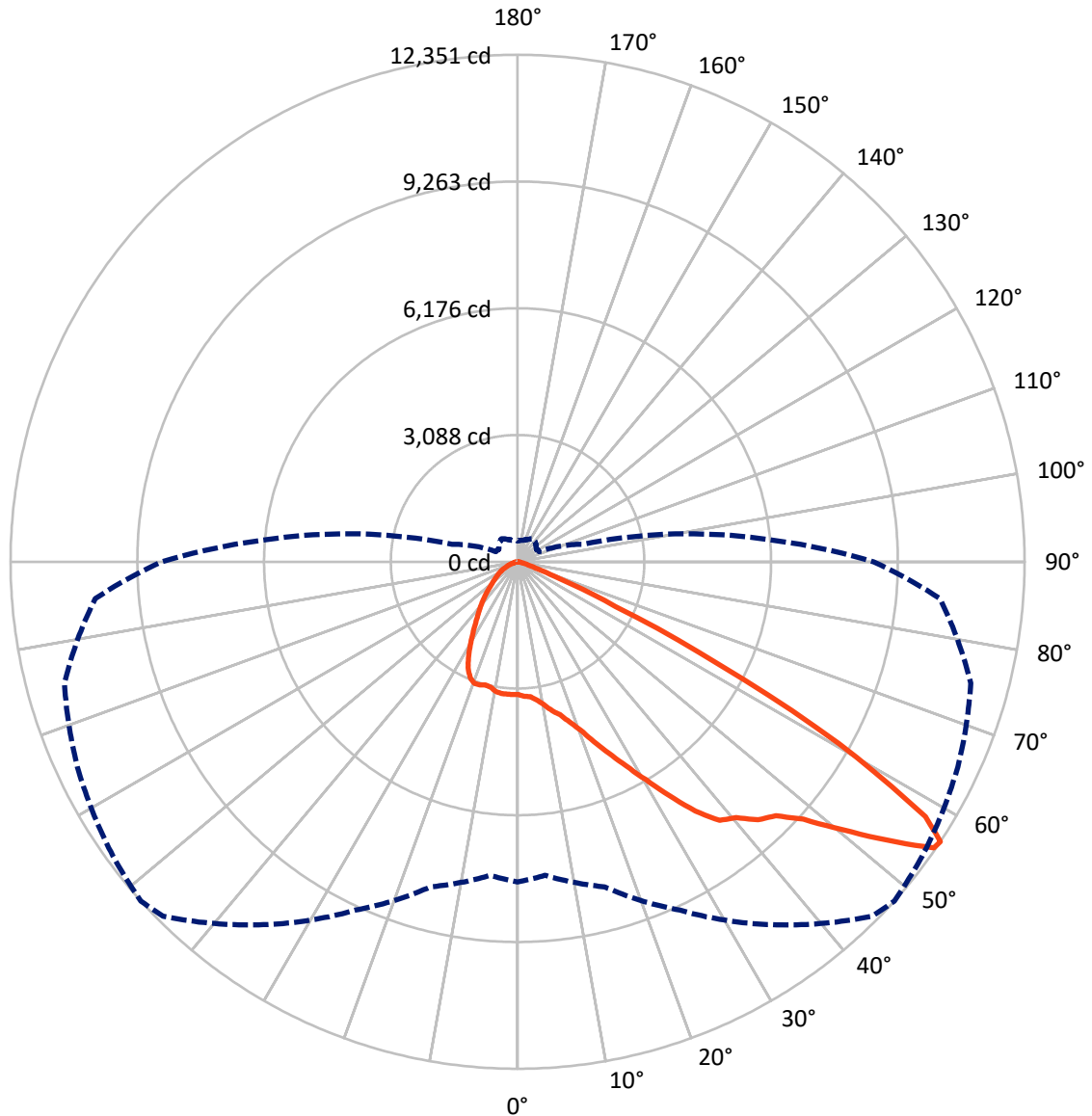
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type II - Short - N/A

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CATALOG NUMBER: GALN-SA6B-840-U-T3-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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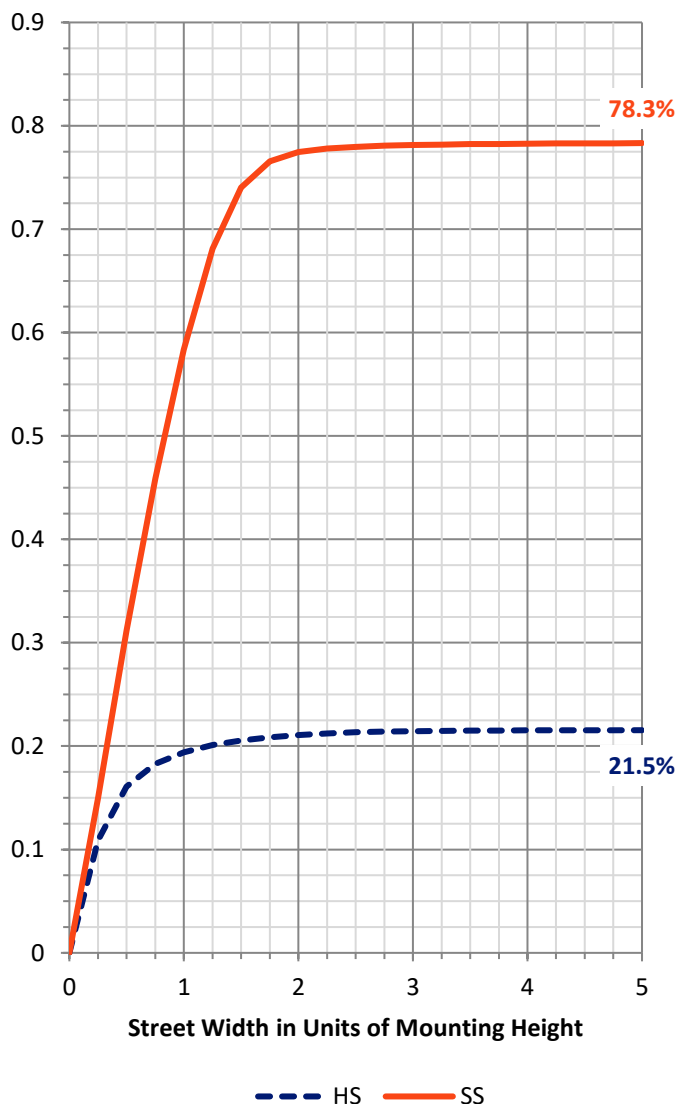
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3685.5	0.0	3685.5
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	13260.7	0.0	13260.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	16946.2	0.0	16946.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.3	1.9
10°-20°	1007.6	5.9
20°-30°	1827.6	10.8
30°-40°	2870.8	16.9
40°-50°	4188.0	24.7
50°-60°	5045.7	29.8
60°-70°	1477.3	8.7
70°-80°	187.4	1.1
80°-90°	26.3	0.2
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°	16946.2	100.0
0°-180°	16946.2	100.0

Coefficient of Utilization

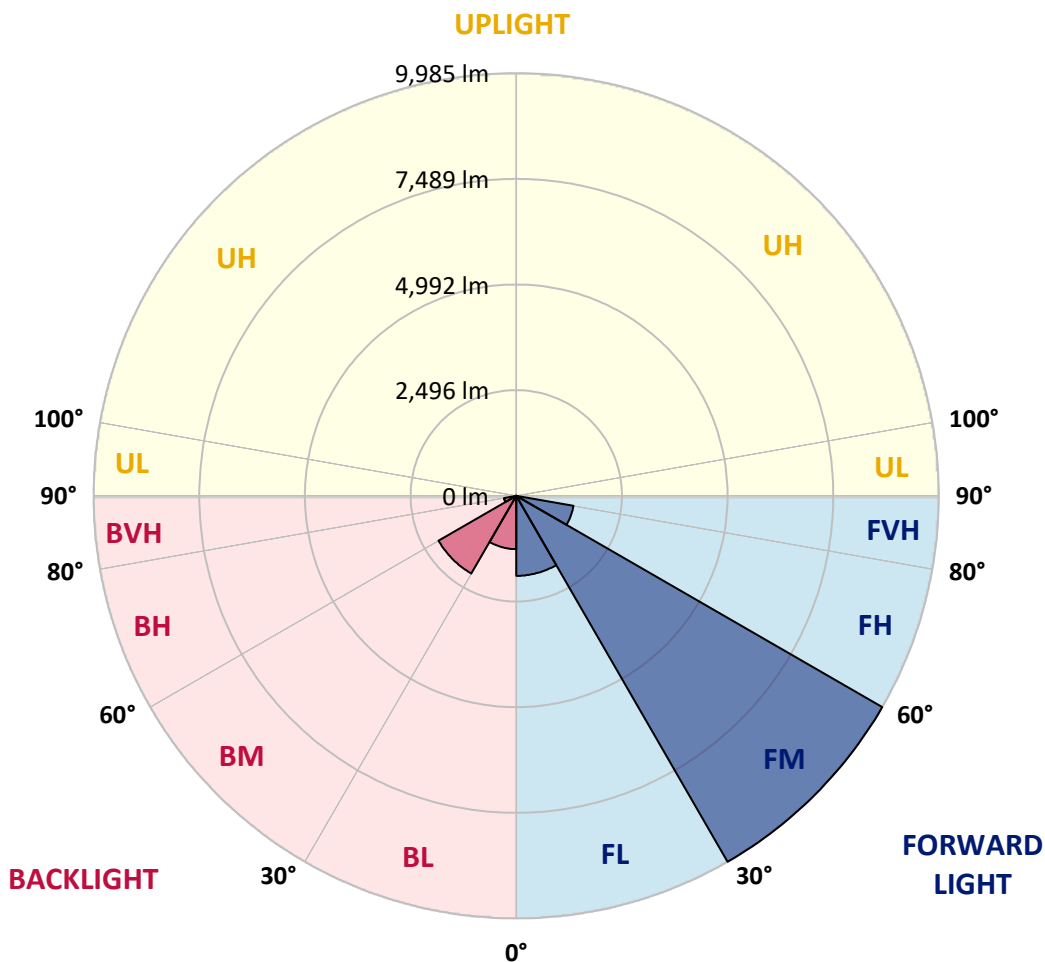


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1890.8	11.2			
FM (30°-60°)	9984.7	58.9			
FH (60°-80°)	1371.9	8.1			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	1259.7	7.4	B3/2500		
BM (30°-60°)	2119.9	12.5	B2/2500		
BH (60°-80°)	292.8	1.7	B1/500		G1/500
BVH (80°-90°)	13.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3295.4	3279.9	3279.9	3255.3	3283.0	3270.6	3279.9	3249.0	3279.9	3233.6	3270.6
5°	3310.8	3313.9	3301.5	3316.9	3316.9	3335.5	3304.6	3332.4	3347.8	3313.9	3298.4
7.5°	3391.0	3397.1	3394.1	3381.7	3406.4	3403.4	3400.2	3378.6	3384.9	3372.5	3354.0
10°	3548.3	3545.2	3560.7	3529.8	3511.3	3533.0	3539.1	3505.2	3480.5	3471.2	3412.6
12.5°	3776.7	3739.7	3718.1	3687.2	3696.4	3665.6	3721.2	3662.6	3650.2	3594.6	3536.0
15°	3961.8	3955.6	3958.8	3909.4	3853.8	3866.2	3866.2	3835.3	3816.8	3748.9	3665.6
17.5°	4341.3	4211.7	4239.5	4177.8	4131.5	4128.5	4100.6	4106.9	4057.5	3915.5	3789.0
20°	4637.5	4582.0	4538.8	4433.9	4362.9	4384.6	4372.2	4341.3	4325.9	4140.7	3961.8
22.5°	4902.9	4921.4	4850.5	4822.7	4724.0	4733.2	4757.9	4730.1	4612.9	4421.6	4156.2
25°	5276.3	5254.7	5159.0	5125.1	5032.5	5066.4	5162.1	5140.5	5066.4	4720.9	4307.4
27.5°	5717.5	5643.4	5661.9	5507.7	5418.2	5513.8	5628.0	5736.0	5526.2	5072.6	4486.4
30°	6029.1	5952.0	5945.8	5939.6	5918.0	6029.1	6161.8	6260.6	6090.9	5424.4	4782.6
32.5°	6183.4	6202.0	6254.3	6235.8	6424.1	6652.4	6791.2	6933.2	6720.3	5998.3	5174.4
35°	6593.8	6476.5	6593.8	6606.1	6800.5	7284.9	7460.8	7800.2	7747.8	6809.7	5652.7
37.5°	6834.5	6825.2	6840.6	6957.8	7146.1	7744.7	7994.6	8256.9	8158.1	7297.3	6248.2
40°	7232.5	7257.2	7254.0	7343.5	7550.3	8090.3	8192.1	8405.0	8414.2	7973.0	7124.5
42.5°	7871.2	7772.4	7707.7	7800.2	8090.3	8389.6	8593.2	8550.0	8855.5	8793.7	8250.7
45°	8445.1	8503.7	8408.1	8562.4	8667.3	8827.7	8821.5	8914.1	9302.9	9596.0	9099.2
47.5°	8982.0	9019.0	9065.3	9170.2	9398.5	9423.2	9370.8	9330.6	9867.5	10169.9	9756.4
50°	9302.9	9336.8	9552.8	9741.1	10166.8	10222.4	10253.2	10151.4	10515.5	10549.4	10376.7
52.5°	9216.5	9253.5	9555.9	10176.1	10854.9	11364.0	11271.4	11098.7	11077.1	11209.8	10950.6
55°	8451.3	8417.3	8833.9	9799.7	11070.9	12292.7	12305.1	12123.0	11774.4	11684.9	10864.1
56°	7800.2	7667.6	8198.2	9364.6	10793.2	12212.5	12351.3	12157.0	11829.9	11428.8	10330.3
57.5°	6390.2	6516.7	7044.3	8010.0	9833.6	11635.6	11715.8	11669.5	11422.6	10750.0	9089.9
60°	3523.7	3745.8	4211.7	5393.5	7001.1	8929.5	8994.3	9370.8	9417.0	8232.2	6254.3
62.5°	1496.5	1471.8	1956.3	2826.3	3986.5	5390.4	5510.7	5896.4	5967.4	4745.5	3138.0
65°	607.9	641.8	885.6	1422.5	2107.4	2456.1	2625.8	2752.3	2986.8	1959.3	1157.0
67.5°	401.2	398.0	521.4	811.5	1135.4	1095.4	1095.4	1157.0	1070.7	799.1	499.9
70°	286.9	296.2	373.3	561.5	706.6	524.5	502.9	481.3	546.1	527.6	404.2
72.5°	188.2	200.6	249.9	336.3	367.2	286.9	286.9	345.6	450.5	425.8	330.2
75°	123.5	126.5	154.2	194.4	182.1	148.1	163.6	231.4	327.1	314.7	234.5
77.5°	83.3	86.4	104.9	126.5	101.8	83.3	89.5	117.2	160.5	160.5	123.5
80°	30.9	34.0	43.2	40.1	46.3	58.6	64.8	80.2	95.6	95.6	83.3
82.5°	0.0	3.1	9.3	21.6	34.0	46.3	52.5	61.7	71.0	80.2	77.1
85°	0.0	3.1	9.3	15.4	24.7	27.8	30.9	21.6	18.5	18.5	15.4
87.5°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	6.1	3.1	3.1
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°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3236.8	3233.6	3233.6	3224.4	3242.9	3233.6	3239.8	3236.8	3196.6	3227.5	3205.9
5°	3270.6	3292.3	3258.3	3252.1	3227.5	3236.8	3236.8	3205.9	3233.6	3230.5	3224.4
7.5°	3357.0	3320.0	3283.0	3246.0	3239.8	3230.5	3196.6	3184.3	3205.9	3181.2	3218.2
10°	3394.1	3400.2	3344.7	3295.4	3249.0	3184.3	3138.0	3110.2	3076.3	3113.3	3134.9
12.5°	3563.8	3502.1	3406.4	3329.3	3171.9	3107.2	3060.8	3048.5	3107.2	3119.4	3097.9
15°	3622.4	3613.2	3489.7	3316.9	3153.4	3076.3	3085.5	3060.8	3067.0	3036.2	3042.3
17.5°	3742.8	3637.8	3492.8	3276.9	3150.3	3131.8	3076.3	2977.6	2922.0	2897.3	2918.9
20°	3875.4	3773.6	3563.8	3292.3	3178.1	3128.7	2946.7	2826.3	2712.1	2650.5	2653.5
22.5°	3992.6	3866.2	3533.0	3298.4	3202.8	2999.2	2780.1	2542.5	2400.6	2304.9	2308.0
25°	4134.6	3955.6	3545.2	3310.8	3138.0	2792.4	2477.7	2246.2	2076.6	2011.8	2033.4
27.5°	4214.8	4011.1	3613.2	3338.5	2968.3	2499.3	2159.9	1943.9	1845.2	1814.3	1811.2
30°	4455.5	4134.6	3696.4	3283.0	2684.4	2184.6	1869.8	1737.2	1641.5	1613.7	1619.9
32.5°	4813.5	4359.8	3804.4	3138.0	2394.4	1903.8	1681.6	1582.8	1493.4	1441.0	1434.7
35°	5112.7	4745.5	3918.6	2912.7	2058.0	1687.8	1549.0	1425.5	1289.8	1231.1	1215.7
37.5°	5683.6	5180.6	3893.9	2573.3	1737.2	1527.3	1407.0	1255.8	1138.5	1058.3	1049.1
40°	6442.6	5689.7	3773.6	2159.9	1499.6	1385.4	1255.8	1110.8	965.8	897.9	891.7
42.5°	7365.1	6313.0	3554.6	1740.3	1262.0	1243.5	1126.2	959.6	830.0	780.6	783.7
45°	8115.0	6846.8	3332.4	1397.7	1086.1	1104.7	1002.8	845.5	756.0	715.9	715.9
47.5°	8781.4	7207.8	3091.7	1154.0	922.6	965.8	876.3	783.7	706.6	675.7	669.5
50°	9423.2	7575.0	2851.0	934.9	786.8	830.0	820.7	746.7	685.0	648.0	651.0
52.5°	9824.3	7633.6	2545.5	765.2	688.1	737.5	768.3	700.4	632.5	610.9	604.8
55°	9333.8	6877.6	1974.8	629.5	583.1	648.0	706.6	629.5	577.0	540.0	536.9
56°	8673.4	6149.5	1650.8	580.1	552.3	623.3	685.0	601.7	543.0	521.4	506.0
57.5°	7343.5	5032.5	1218.8	515.3	512.2	580.1	651.0	573.9	506.0	487.5	487.5
60°	4578.9	2832.5	737.5	431.9	444.3	515.3	586.3	512.2	450.5	450.5	459.8
62.5°	2085.8	1178.7	447.4	367.2	382.6	444.3	521.4	462.8	428.9	462.8	469.0
65°	709.6	509.1	324.0	293.1	302.4	367.2	447.4	469.0	465.9	487.5	499.9
67.5°	398.0	327.1	271.6	243.7	237.6	271.6	367.2	469.0	450.5	441.3	447.4
70°	336.3	277.7	240.7	216.0	206.7	219.1	283.8	354.8	317.8	308.6	302.4
72.5°	271.6	231.4	209.8	194.4	166.6	142.0	129.6	135.7	151.2	160.5	175.9
75°	191.3	175.9	175.9	157.4	120.3	89.5	71.0	58.6	40.1	27.8	30.9
77.5°	108.0	108.0	111.1	95.6	77.1	58.6	43.2	30.9	15.4	6.1	3.1
80°	74.1	80.2	86.4	77.1	64.8	52.5	37.0	21.6	9.3	0.0	0.0
82.5°	74.1	83.3	89.5	77.1	64.8	49.4	37.0	21.6	9.3	3.1	0.0
85°	15.4	18.5	21.6	24.7	37.0	37.0	27.8	18.5	9.3	3.1	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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)