

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: P648561

Luminaire Tested: **GALN-SA7B-835-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648561
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-SA7B-835-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 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: 18532 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

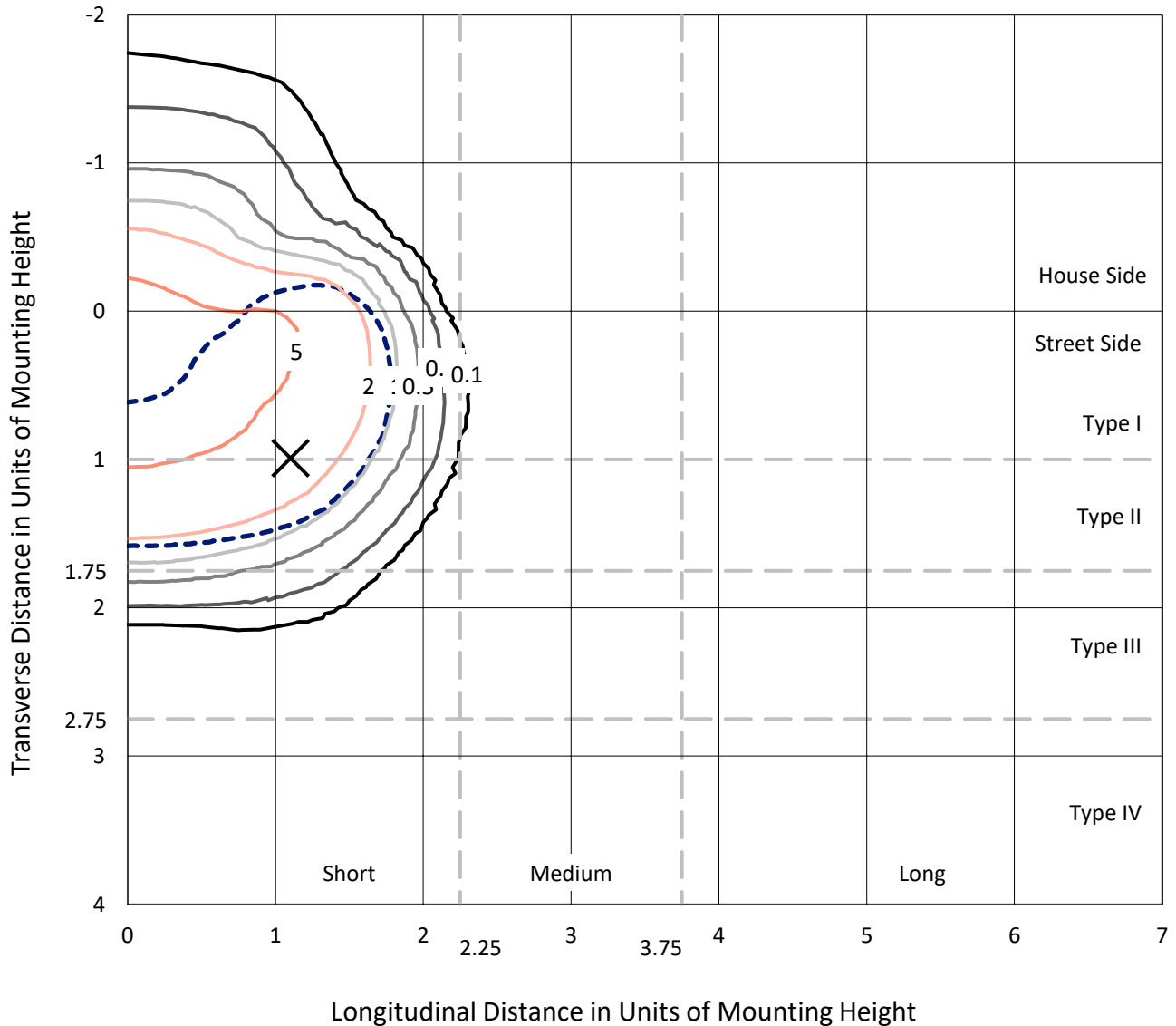
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648561
 CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

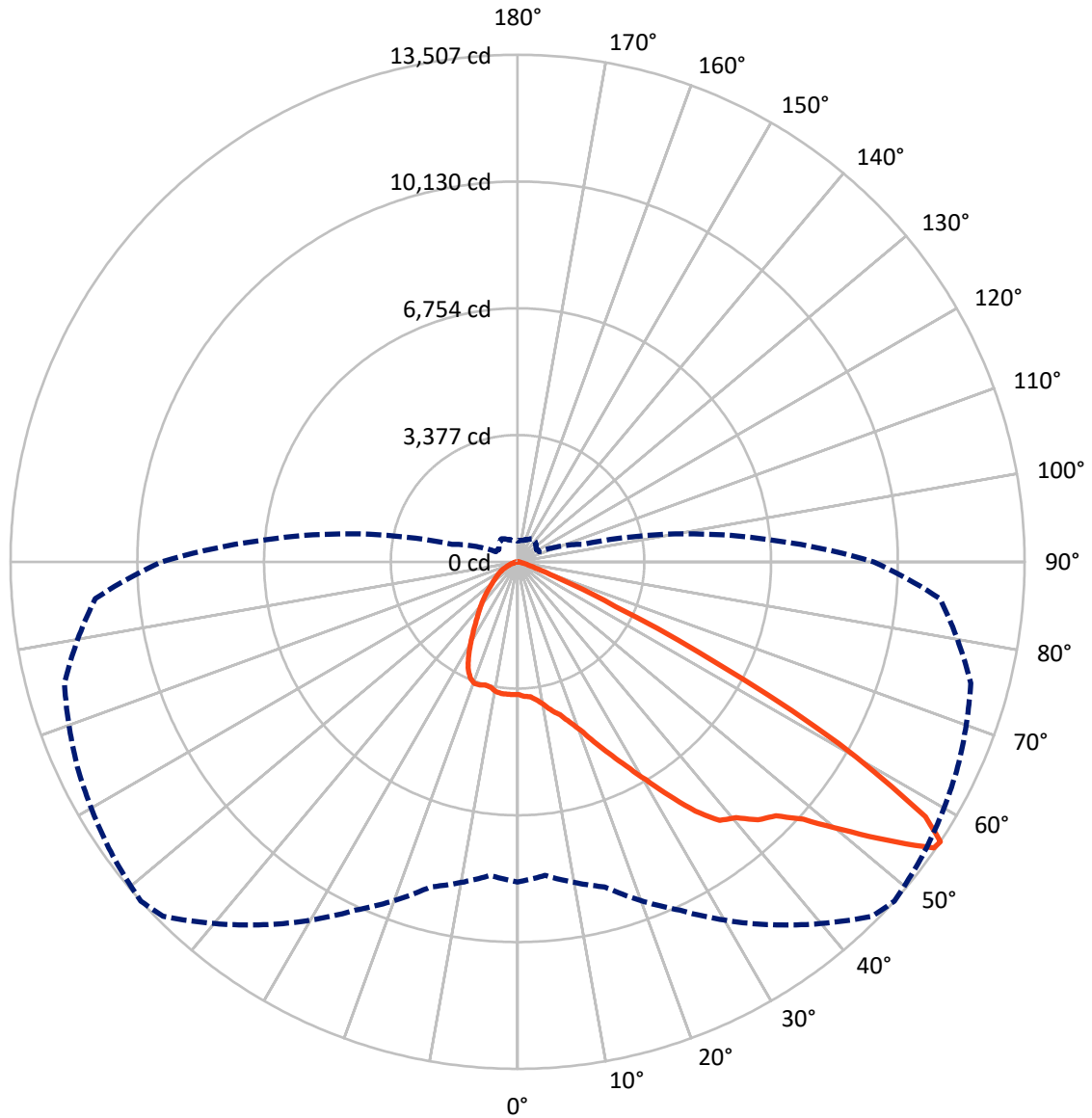
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

REPORT NUMBER: P648561
CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P648561
 CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

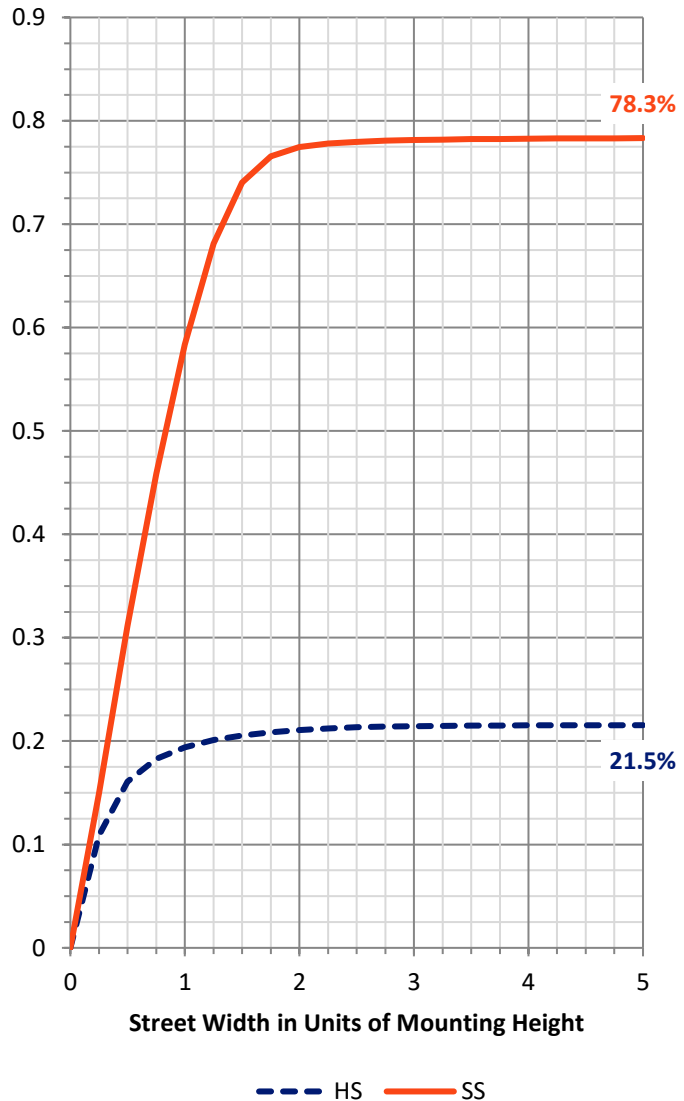
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4030.4	0.0	4030.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	14501.7	0.0	14501.7
	% Fixture	78.3	0.0	78.3
Total	Lumens	18532.0	0.0	18532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.8	1.9
10°-20°	1101.9	5.9
20°-30°	1998.7	10.8
30°-40°	3139.5	16.9
40°-50°	4579.9	24.7
50°-60°	5518.0	29.8
60°-70°	1615.6	8.7
70°-80°	204.9	1.1
80°-90°	28.7	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°	18532.0	100.0
0°-180°	18532.0	100.0

Coefficient of Utilization

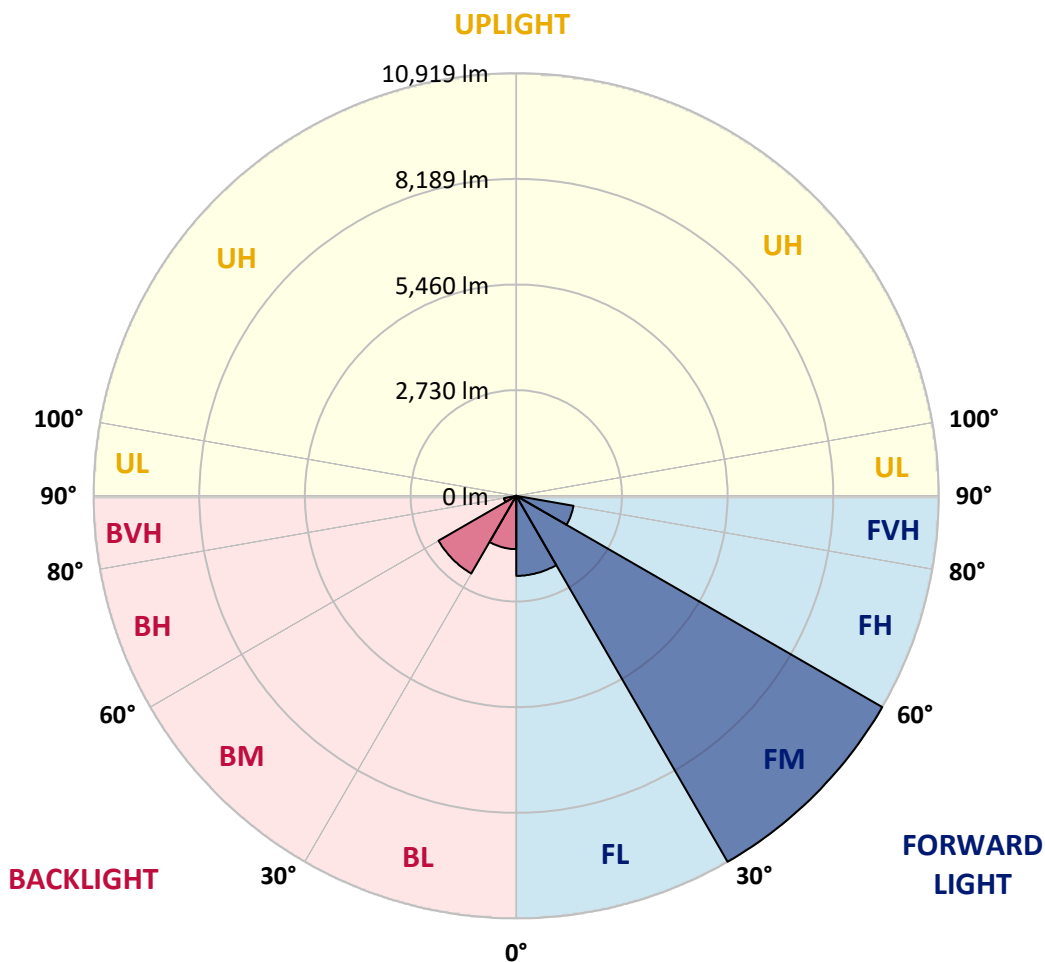


REPORT NUMBER: P648561
 CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.8	11.2			
FM (30°-60°)	10919.1	58.9			
FH (60°-80°)	1500.3	8.1			G1/1800
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	1377.6	7.4	B3/2500		
BM (30°-60°)	2318.3	12.5	B2/2500		
BH (60°-80°)	320.2	1.7	B1/500		G1/500
BVH (80°-90°)	14.3	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





REPORT NUMBER: P648561

CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6
2.5°	3603.8	3586.8	3586.8	3559.9	3590.2	3576.7	3586.8	3553.1	3586.8	3536.3	3576.7
5°	3620.6	3624.0	3610.5	3627.3	3627.3	3647.6	3613.9	3644.2	3661.1	3624.0	3607.1
7.5°	3708.4	3715.1	3711.7	3698.2	3725.2	3721.8	3718.5	3694.8	3701.6	3688.1	3667.9
10°	3880.5	3877.0	3893.9	3860.2	3839.9	3863.6	3870.3	3833.2	3806.2	3796.1	3731.9
12.5°	4130.1	4089.6	4066.0	4032.3	4042.4	4008.6	4069.4	4005.3	3991.8	3931.1	3866.9
15°	4332.6	4325.8	4329.2	4275.3	4214.5	4228.0	4228.0	4194.2	4174.0	4099.8	4008.6
17.5°	4747.6	4605.9	4636.3	4568.8	4518.1	4514.8	4484.4	4491.2	4437.2	4282.0	4143.6
20°	5071.6	5010.8	4963.6	4848.9	4771.2	4794.9	4781.4	4747.6	4730.7	4528.3	4332.6
22.5°	5361.7	5382.0	5304.4	5274.0	5166.0	5176.2	5203.2	5172.8	5044.6	4835.3	4545.2
25°	5770.0	5746.4	5641.8	5604.7	5503.5	5540.6	5645.2	5621.5	5540.6	5162.6	4710.5
27.5°	6252.6	6171.6	6191.8	6023.1	5925.3	6029.9	6154.7	6272.8	6043.4	5547.3	4906.2
30°	6593.3	6509.0	6502.3	6495.5	6471.9	6593.3	6738.4	6846.4	6660.8	5932.0	5230.1
32.5°	6762.1	6782.3	6839.7	6819.5	7025.2	7274.9	7426.8	7582.0	7349.2	6559.6	5658.7
35°	7210.9	7082.6	7210.9	7224.3	7436.9	7966.7	8159.0	8530.2	8472.8	7447.0	6181.7
37.5°	7474.0	7463.9	7480.8	7609.0	7814.9	8469.5	8742.7	9029.6	8921.6	7980.2	6832.9
40°	7909.3	7936.3	7933.0	8030.8	8256.9	8847.4	8958.8	9191.6	9201.7	8719.2	7791.2
42.5°	8607.8	8499.9	8429.0	8530.2	8847.4	9174.7	9397.4	9350.1	9684.2	9616.7	9022.8
45°	9235.4	9299.5	9194.9	9363.7	9478.4	9653.8	9647.1	9748.4	10173.4	10494.0	9950.8
47.5°	9822.6	9863.1	9913.6	10028.4	10278.0	10305.1	10247.7	10203.8	10791.0	11121.7	10669.5
50°	10173.4	10210.6	10446.8	10652.6	11118.3	11179.0	11212.8	11101.4	11499.6	11536.7	11347.7
52.5°	10079.0	10119.5	10450.2	11128.4	11870.7	12427.5	12326.3	12137.3	12113.7	12258.8	11975.4
55°	9242.1	9205.0	9660.6	10716.8	12107.0	13443.2	13456.6	13257.6	12876.3	12778.4	11880.9
56°	8530.2	8385.1	8965.5	10240.9	11803.3	13355.4	13507.3	13294.7	12937.0	12498.4	11297.1
57.5°	6988.1	7126.5	7703.5	8759.7	10753.9	12724.5	12812.2	12761.6	12491.6	11756.0	9940.7
60°	3853.5	4096.4	4605.9	5898.3	7656.3	9765.2	9836.0	10247.7	10298.3	9002.6	6839.7
62.5°	1636.5	1609.5	2139.3	3090.8	4359.6	5894.9	6026.5	6448.2	6525.8	5189.6	3431.7
65°	664.8	701.9	968.4	1555.5	2304.6	2685.9	2871.5	3009.9	3266.3	2142.7	1265.3
67.5°	438.6	435.3	570.3	887.5	1241.8	1197.8	1197.8	1265.3	1170.9	873.9	546.6
70°	313.8	323.9	408.3	614.1	772.7	573.6	550.0	526.4	597.3	577.0	442.0
72.5°	205.9	219.3	273.3	367.8	401.5	313.8	313.8	378.0	492.7	465.7	361.0
75°	135.0	138.4	168.7	212.6	199.1	162.0	178.8	253.1	357.7	344.2	256.4
77.5°	91.1	94.5	114.7	138.4	111.3	91.1	97.9	128.3	175.5	175.5	135.0
80°	33.7	37.1	47.2	43.8	50.6	64.1	70.9	87.7	104.6	104.6	91.1
82.5°	0.0	3.4	10.1	23.6	37.1	50.6	57.4	67.5	77.6	87.7	84.3
85°	0.0	3.4	10.1	16.8	27.0	30.4	33.7	23.6	20.3	20.3	16.8
87.5°	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	6.7	3.4	3.4
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: P648561

CATALOG NUMBER: GALN-SA7B-835-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6
2.5°	3539.6	3536.3	3536.3	3526.2	3546.4	3536.3	3543.0	3539.6	3495.8	3529.5	3505.9
5°	3576.7	3600.4	3563.3	3556.5	3529.5	3539.6	3539.6	3505.9	3536.3	3532.9	3526.2
7.5°	3671.3	3630.8	3590.2	3549.7	3543.0	3532.9	3495.8	3482.2	3505.9	3478.9	3519.4
10°	3711.7	3718.5	3657.7	3603.8	3553.1	3482.2	3431.7	3401.3	3364.2	3404.6	3428.3
12.5°	3897.3	3829.8	3725.2	3640.9	3468.8	3397.9	3347.3	3333.8	3397.9	3411.4	3387.8
15°	3961.4	3951.3	3816.3	3627.3	3448.5	3364.2	3374.3	3347.3	3354.1	3320.3	3327.0
17.5°	4093.0	3978.3	3819.7	3583.5	3445.1	3424.9	3364.2	3256.2	3195.4	3168.5	3192.1
20°	4238.1	4126.7	3897.3	3600.4	3475.5	3421.6	3222.4	3090.8	2966.0	2898.5	2901.9
22.5°	4366.3	4228.0	3863.6	3607.1	3502.5	3279.8	3040.2	2780.4	2625.2	2520.6	2524.0
25°	4521.5	4325.8	3877.0	3620.6	3431.7	3053.7	2709.6	2456.5	2270.9	2200.1	2223.6
27.5°	4609.3	4386.6	3951.3	3651.0	3246.1	2733.1	2362.0	2125.8	2017.8	1984.0	1980.7
30°	4872.5	4521.5	4042.4	3590.2	2935.6	2389.0	2044.8	1899.7	1795.1	1764.7	1771.5
32.5°	5263.9	4767.8	4160.5	3431.7	2618.4	2081.9	1839.0	1731.0	1633.2	1575.8	1569.1
35°	5591.2	5189.6	4285.4	3185.3	2250.7	1845.8	1693.9	1559.0	1410.4	1346.4	1329.5
37.5°	6215.5	5665.4	4258.3	2814.2	1899.7	1670.3	1538.7	1373.3	1245.1	1157.4	1147.3
40°	7045.5	6222.2	4126.7	2362.0	1639.9	1515.0	1373.3	1214.7	1056.2	981.9	975.1
42.5°	8054.4	6903.8	3887.2	1903.1	1380.1	1359.8	1231.6	1049.4	907.7	853.7	857.1
45°	8874.4	7487.5	3644.2	1528.6	1187.7	1208.0	1096.7	924.6	826.7	782.8	782.8
47.5°	9603.3	7882.3	3381.1	1262.0	1008.9	1056.2	958.3	857.1	772.7	739.0	732.2
50°	10305.1	8283.9	3117.8	1022.4	860.4	907.7	897.6	816.6	749.1	708.6	712.0
52.5°	10743.7	8348.0	2783.8	836.8	752.5	806.5	840.2	765.9	691.7	668.1	661.3
55°	10207.2	7521.3	2159.5	688.3	637.8	708.6	772.7	688.3	631.0	590.5	587.1
56°	9485.1	6725.0	1805.2	634.4	604.0	681.6	749.1	658.0	593.9	570.3	553.3
57.5°	8030.8	5503.5	1332.8	563.5	560.2	634.4	712.0	627.7	553.3	533.1	533.1
60°	5007.4	3097.6	806.5	472.4	485.9	563.5	641.1	560.2	492.7	492.7	502.8
62.5°	2281.0	1289.0	489.3	401.5	418.4	485.9	570.3	506.1	469.0	506.1	512.9
65°	776.1	556.8	354.3	320.6	330.7	401.5	489.3	512.9	509.5	533.1	546.6
67.5°	435.3	357.7	296.9	266.5	259.8	296.9	401.5	512.9	492.7	482.5	489.3
70°	367.8	303.6	263.2	236.2	226.1	239.6	310.5	388.1	347.6	337.4	330.7
72.5°	296.9	253.1	229.4	212.6	182.2	155.2	141.7	148.5	165.4	175.5	192.3
75°	209.2	192.3	192.3	172.1	131.6	97.9	77.6	64.1	43.8	30.4	33.7
77.5°	118.1	118.1	121.4	104.6	84.3	64.1	47.2	33.7	16.8	6.7	3.4
80°	81.0	87.7	94.5	84.3	70.9	57.4	40.5	23.6	10.1	0.0	0.0
82.5°	81.0	91.1	97.9	84.3	70.9	54.0	40.5	23.6	10.1	3.4	0.0
85°	16.8	20.3	23.6	27.0	40.5	40.5	30.4	20.3	10.1	3.4	0.0
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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)