

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: P647517

Luminaire Tested: **GALN-SA6D-835-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30623.9 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

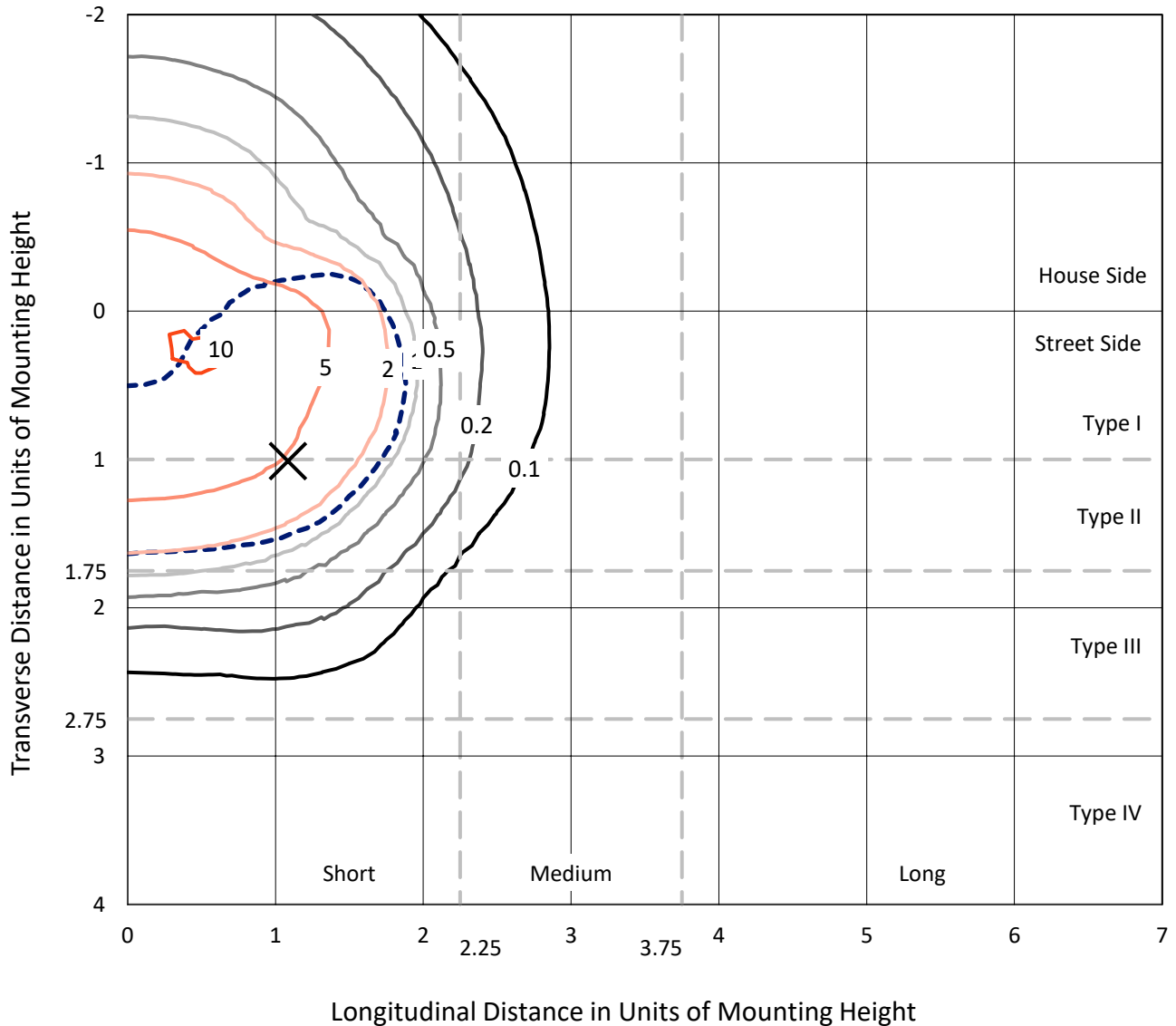
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647517
 CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

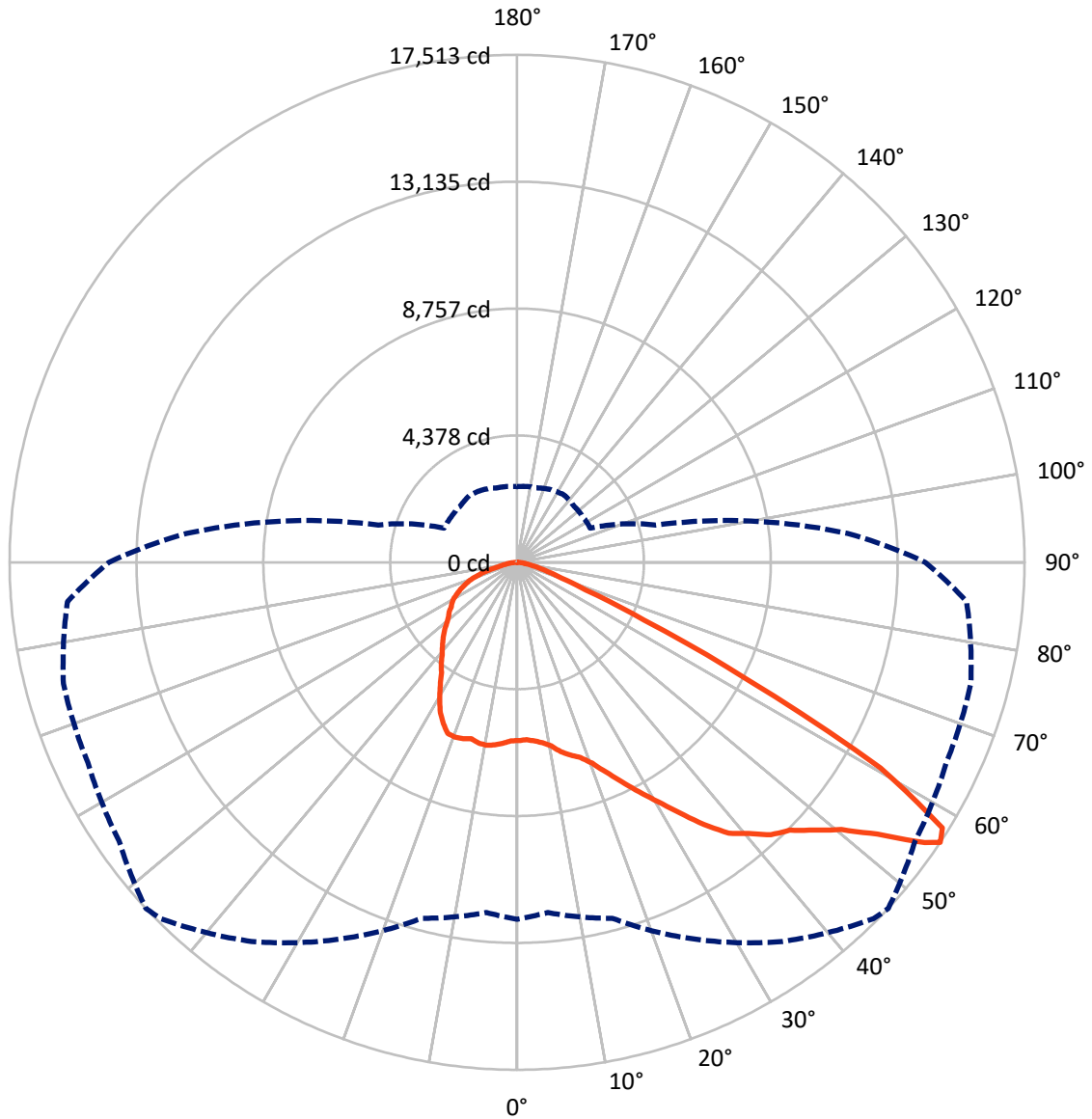
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

REPORT NUMBER: P647517
CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P647517
 CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

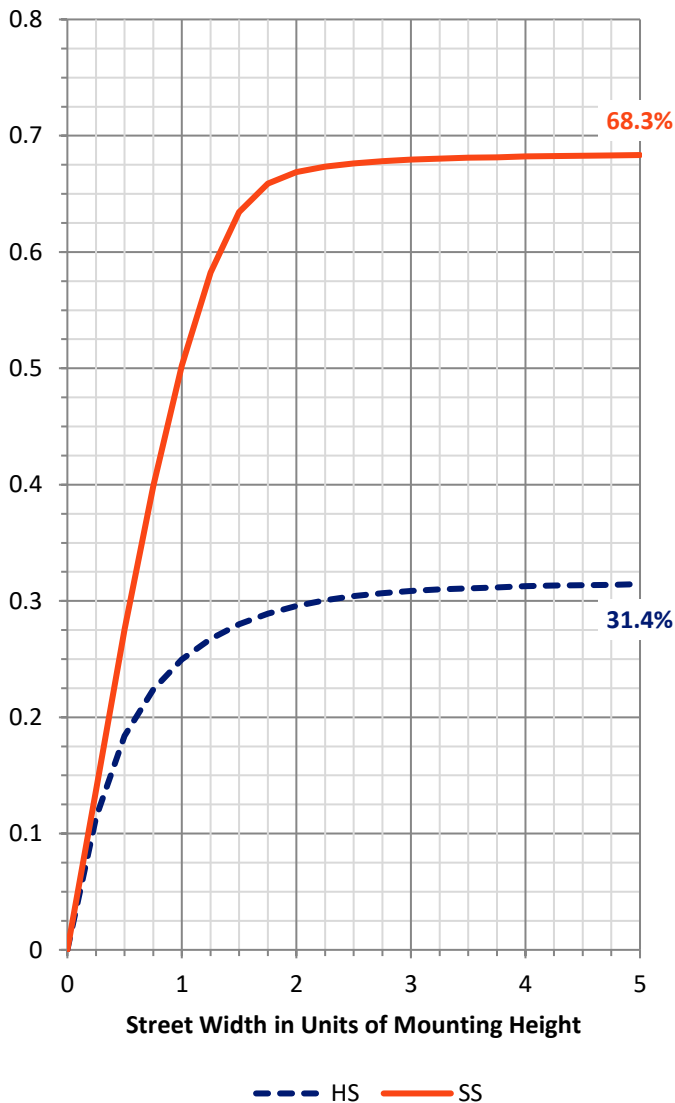
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9704.3	0.0	9704.3
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	20919.6	0.0	20919.6
	% Fixture	68.3	0.0	68.3
Total	Lumens	30623.9	0.0	30623.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.4	2.0
10°-20°	1890.7	6.2
20°-30°	3342.3	10.9
30°-40°	5020.1	16.4
40°-50°	6889.6	22.5
50°-60°	8208.0	26.8
60°-70°	3512.5	11.5
70°-80°	994.0	3.2
80°-90°	167.3	0.5
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°	30623.9	100.0
0°-180°	30623.9	100.0

Coefficient of Utilization

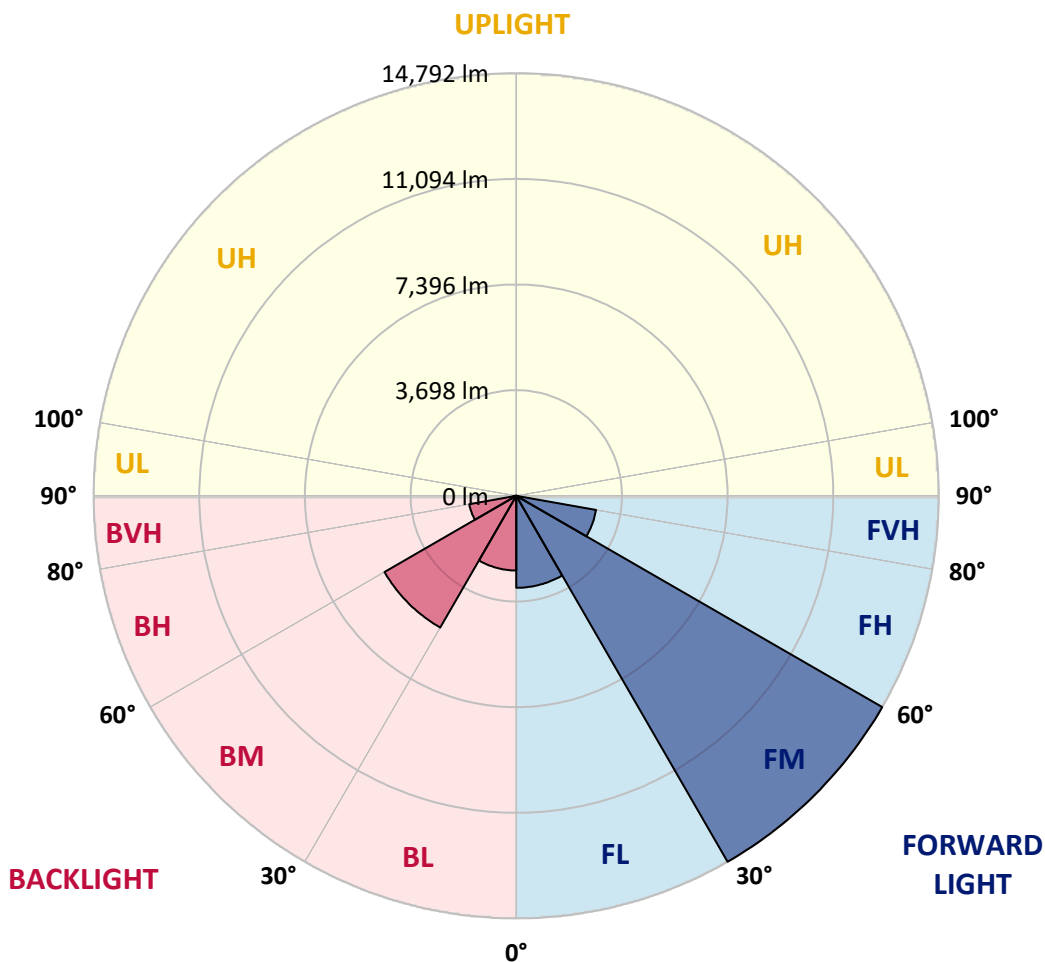


REPORT NUMBER: P647517
 CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3219.6	10.5			
FM (30°-60°)	14792.1	48.3			
FH (60°-80°)	2836.9	9.3			G2/5000
FVH (80°-90°)	71.0	0.2			G1/100
BL (0°-30°)	2612.8	8.5	B4/5000		
BM (30°-60°)	5325.6	17.4	B4/8500		
BH (60°-80°)	1669.7	5.5	B3/2500		G3/2500
BVH (80°-90°)	96.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3
 Type II Short





REPORT NUMBER: P647517

CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4
2.5°	6128.0	6116.2	6108.4	6171.0	6147.5	6151.4	6128.0	6151.4	6167.1	6131.9	6182.6
5°	6116.2	6151.4	6120.2	6139.7	6190.5	6174.8	6190.5	6237.3	6225.6	6213.9	6198.3
7.5°	6225.6	6229.5	6253.0	6260.8	6276.4	6260.8	6284.2	6327.2	6315.4	6249.0	6256.9
10°	6381.8	6389.7	6393.6	6436.5	6463.9	6467.7	6440.4	6401.3	6397.5	6487.3	6424.8
12.5°	6561.5	6542.0	6588.9	6604.4	6635.7	6670.8	6706.0	6624.0	6674.8	6678.7	6604.4
15°	6823.2	6842.7	6788.1	6788.1	6799.7	6803.6	6901.3	6862.2	6854.5	6811.5	6842.7
17.5°	7213.8	7081.0	7077.1	7022.4	7014.6	7045.8	7081.0	7112.2	7217.7	7131.7	6963.8
20°	7498.9	7530.1	7416.8	7350.4	7362.2	7432.5	7397.3	7537.9	7612.2	7471.5	7307.5
22.5°	8002.7	7897.3	7924.6	7776.1	7787.9	7862.1	7858.2	8002.7	8045.6	7823.0	7584.8
25°	8342.5	8315.1	8338.6	8221.4	8237.0	8295.7	8389.4	8627.6	8557.3	8311.2	7760.5
27.5°	8838.5	8783.9	8764.3	8721.4	8705.7	8861.9	8971.3	9225.1	9174.4	8815.1	8073.0
30°	9346.3	9311.1	9330.6	9154.8	9217.3	9549.3	9580.6	9928.2	9904.7	9272.1	8420.6
32.5°	9697.8	9717.3	9752.4	9654.8	9932.1	10197.7	10303.1	10697.6	10717.2	10057.1	9092.4
35°	10264.1	10197.7	10217.2	10330.4	10459.4	10943.7	11115.5	11377.2	11541.2	10881.2	9736.8
37.5°	10619.5	10689.8	10607.8	10787.5	11123.3	11705.2	11861.5	12130.9	12302.8	11693.6	10615.6
40°	11174.1	11060.8	11119.4	11248.3	11592.0	12349.7	12306.7	12584.1	12638.7	12384.9	11435.8
42.5°	11771.6	11717.0	11635.0	11927.9	12216.9	12767.6	12853.5	12724.6	13001.9	13060.5	12607.5
45°	12486.4	12552.8	12564.5	12572.3	12826.2	13306.6	13189.4	13076.2	13396.4	13822.1	13333.9
47.5°	13150.3	12939.5	13091.8	13302.7	13662.0	13665.9	13802.6	13533.1	13872.9	14251.8	13990.1
50°	13373.0	13271.5	13474.5	13872.9	14427.5	14486.1	14501.7	14119.0	14294.7	14595.4	14216.6
52.5°	13287.0	13251.9	13771.3	14388.5	15200.8	15497.7	15575.7	15103.2	15200.8	15064.1	14716.6
55°	12877.0	12982.4	13505.7	14763.4	16009.3	16927.1	17075.5	16478.0	15857.0	15962.4	15579.7
56°	12314.6	12130.9	12716.9	14337.7	15974.1	17391.9	17513.0	16767.0	16345.2	16208.5	15571.8
57.5°	10447.6	10209.4	10978.8	12900.4	15087.5	17216.1	17305.9	16888.1	16263.1	15985.9	14435.3
60°	6116.2	6233.5	7209.9	8897.1	11638.9	14115.1	14415.8	14720.4	14302.5	13060.5	10744.5
62.5°	2952.7	2878.5	3577.6	5100.8	7092.6	9010.4	8920.6	9775.8	10244.5	9279.9	6784.1
65°	1546.7	1538.8	1952.8	2784.7	3897.9	4733.6	4815.7	5276.6	5921.0	4780.5	3444.8
67.5°	1136.5	1167.8	1374.8	1956.7	2507.4	2558.2	2546.5	2776.9	2839.4	2402.0	2116.8
70°	890.5	906.1	1058.5	1488.1	1866.9	1671.6	1636.5	1663.8	1847.4	1925.5	1831.8
72.5°	644.4	660.1	789.0	1003.7	1167.8	1140.4	1163.9	1316.2	1542.7	1624.7	1527.1
75°	429.6	441.4	511.6	613.2	691.3	746.0	789.0	964.7	1175.6	1222.5	1175.6
77.5°	296.8	308.6	355.4	433.5	441.4	476.5	492.1	574.1	703.1	761.6	730.4
80°	168.0	168.0	191.4	222.6	273.4	320.2	328.1	394.5	453.0	492.1	499.9
82.5°	78.1	82.0	101.6	136.7	179.7	222.6	230.4	273.4	316.3	355.4	367.1
85°	39.1	43.0	58.6	82.0	109.4	132.8	128.9	132.8	140.6	132.8	136.7
87.5°	11.7	11.7	15.7	19.5	15.7	19.5	19.5	23.4	27.3	31.2	35.2
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: P647517
 CATALOG NUMBER: GALN-SA6D-835-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4	6151.4
2.5°	6186.6	6198.3	6120.2	6194.4	6167.1	6163.1	6217.8	6210.0	6229.5	6221.7	6174.8
5°	6190.5	6163.1	6245.1	6171.0	6206.1	6280.3	6229.5	6346.7	6288.1	6327.2	6241.2
7.5°	6311.5	6319.4	6303.7	6335.0	6319.4	6354.5	6327.2	6354.5	6307.6	6311.5	6389.7
10°	6417.0	6393.6	6420.9	6381.8	6409.2	6397.5	6335.0	6315.4	6331.1	6311.5	6362.3
12.5°	6612.3	6569.3	6549.8	6502.9	6471.7	6354.5	6256.9	6202.2	6276.4	6288.1	6264.7
15°	6811.5	6815.4	6725.6	6620.1	6424.8	6249.0	6272.5	6292.0	6292.0	6323.3	6264.7
17.5°	6936.4	6936.4	6854.5	6643.5	6444.3	6342.8	6319.4	6256.9	6202.2	6194.4	6190.5
20°	7155.1	7088.7	6901.3	6639.6	6436.5	6389.7	6213.9	6065.5	5952.2	5913.1	5909.3
22.5°	7405.1	7237.2	6975.5	6647.4	6424.8	6358.4	6030.4	5807.7	5604.6	5518.7	5530.4
25°	7635.6	7366.1	7018.5	6612.3	6381.8	6061.6	5694.4	5385.9	5175.0	5104.7	5069.5
27.5°	7795.7	7502.8	7018.5	6643.5	6221.7	5729.6	5354.6	4960.2	4776.6	4729.8	4737.5
30°	8010.5	7674.7	7139.6	6577.1	5901.5	5300.0	4850.8	4593.1	4483.7	4444.6	4471.9
32.5°	8514.3	8123.8	7307.5	6417.0	5522.6	4870.3	4507.1	4362.6	4202.5	4124.4	4097.0
35°	9061.1	8549.5	7471.5	6147.5	5096.9	4479.8	4253.3	4120.5	3929.1	3843.2	3858.8
37.5°	9834.5	9096.3	7483.2	5702.3	4636.0	4261.1	4054.1	3847.0	3690.8	3558.0	3519.0
40°	10877.3	9842.2	7455.9	5233.6	4265.0	4003.3	3851.0	3593.2	3417.5	3323.7	3343.3
42.5°	11795.1	10717.2	7342.7	4702.4	3929.1	3827.5	3655.7	3401.8	3230.0	3132.3	3124.6
45°	12568.4	11361.6	7127.8	4249.3	3647.9	3632.3	3433.1	3237.8	3101.1	3011.3	3050.3
47.5°	13283.1	11881.0	6803.6	3796.3	3390.1	3421.4	3230.0	3108.9	3023.0	2940.9	2937.0
50°	13540.9	11873.2	6518.6	3421.4	3183.1	3167.5	3159.6	3030.8	2940.9	2870.6	2901.9
52.5°	13970.5	12006.0	6210.0	3163.6	2995.7	2999.5	3026.9	2933.1	2831.6	2788.7	2827.7
55°	14587.6	12025.5	5530.4	2862.9	2839.4	2866.7	2866.7	2804.2	2718.3	2683.2	2663.7
56°	14083.8	11443.5	4960.2	2784.7	2761.3	2761.3	2835.5	2765.2	2659.8	2632.4	2609.0
57.5°	12990.2	10025.8	4151.7	2691.0	2655.9	2710.5	2749.6	2675.4	2577.7	2538.6	2562.1
60°	8959.6	6784.1	3120.6	2487.9	2487.9	2577.7	2609.0	2499.6	2456.7	2452.7	2421.5
62.5°	5229.7	3952.5	2441.0	2304.4	2312.1	2386.3	2409.8	2347.3	2292.6	2359.0	2390.3
65°	2773.0	2359.0	2093.4	2109.1	2112.9	2171.6	2273.1	2269.2	2265.3	2284.8	2288.7
67.5°	2007.5	1960.6	1902.1	1886.4	1894.2	1937.2	2038.8	2116.8	2112.9	2066.1	2030.9
70°	1788.8	1722.4	1687.2	1691.1	1659.9	1710.7	1792.7	1843.5	1753.6	1699.0	1675.5
72.5°	1488.1	1468.5	1445.1	1449.0	1386.5	1374.8	1281.1	1281.1	1257.7	1242.0	1269.3
75°	1136.5	1128.8	1140.4	1120.9	1054.5	984.2	929.6	878.8	800.7	769.4	753.8
77.5°	718.6	742.0	769.4	726.5	699.1	648.3	593.7	542.9	480.4	445.2	445.2
80°	488.2	507.7	527.3	519.4	488.2	441.4	398.4	343.7	300.8	273.4	269.5
82.5°	371.1	386.6	414.0	382.7	351.5	312.4	277.3	238.3	199.2	168.0	168.0
85°	132.8	152.3	168.0	183.5	195.3	199.2	171.9	140.6	113.3	89.8	85.9
87.5°	35.2	39.1	43.0	39.1	39.1	39.1	43.0	39.1	35.2	27.3	27.3
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)