

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: P528448

Luminaire Tested: **GALN-SA3C-735-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528448
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-735-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16399 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

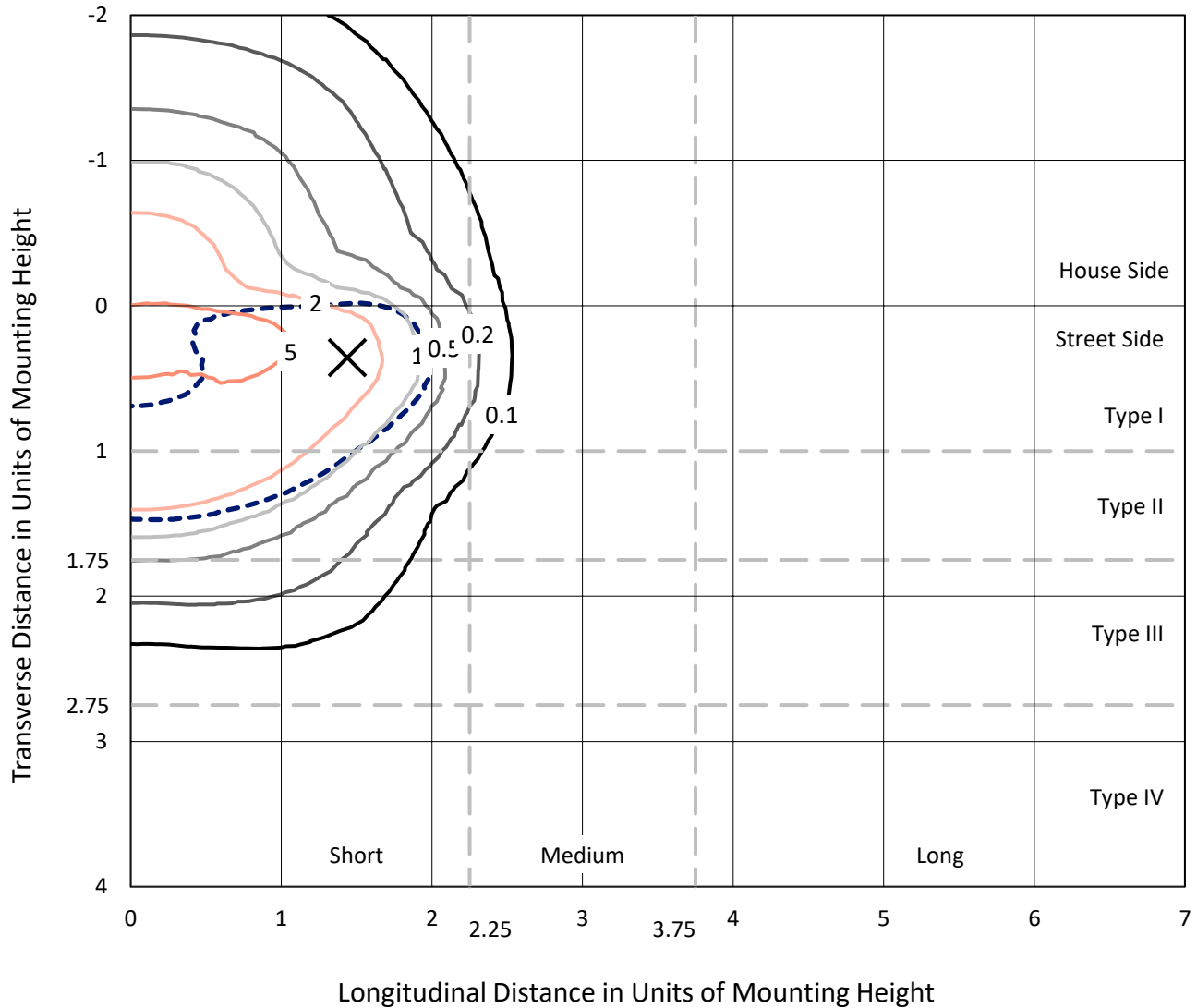
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528448
 CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

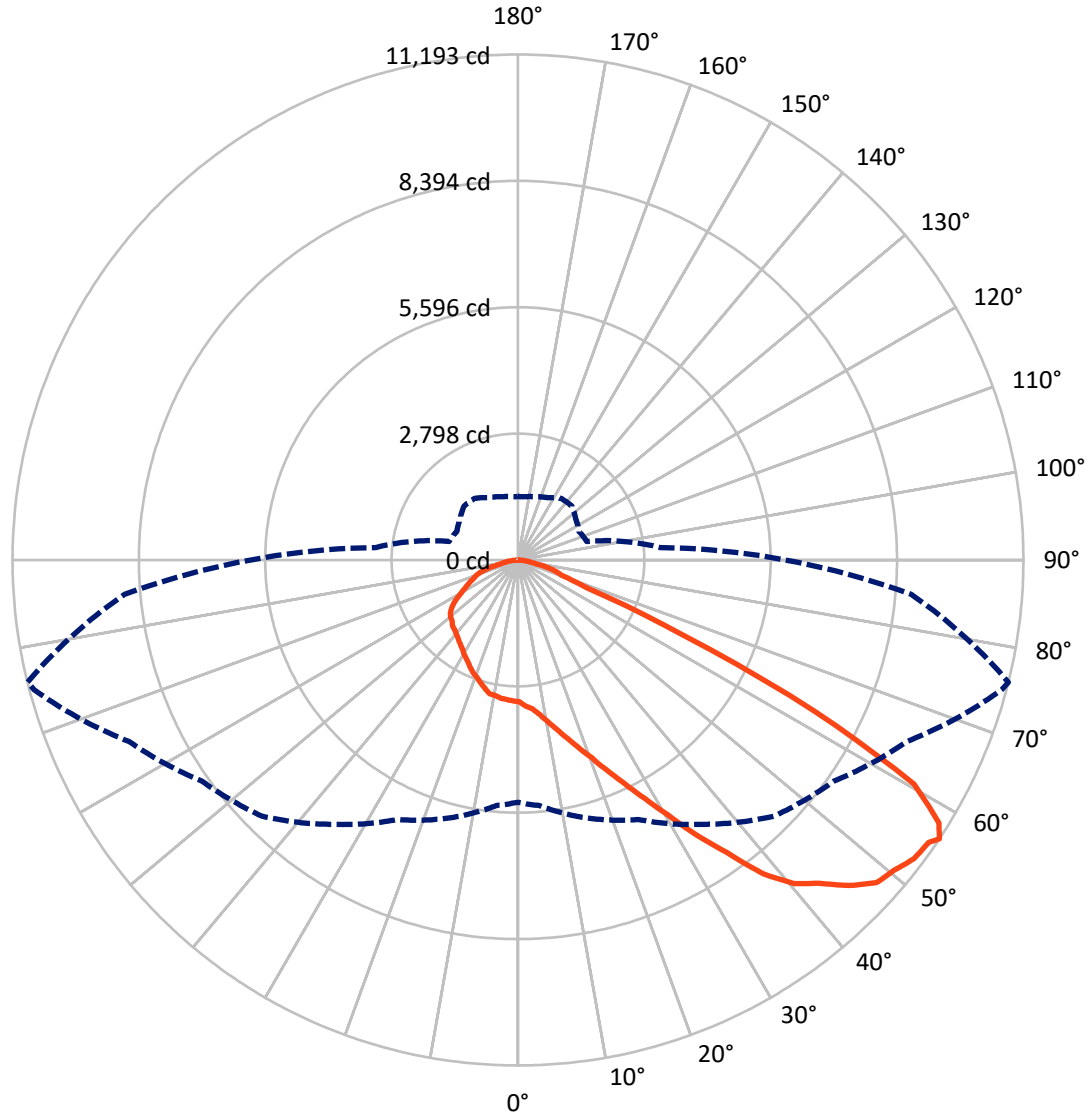
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type II - Short - N/A

REPORT NUMBER: P528448
CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528448
 CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

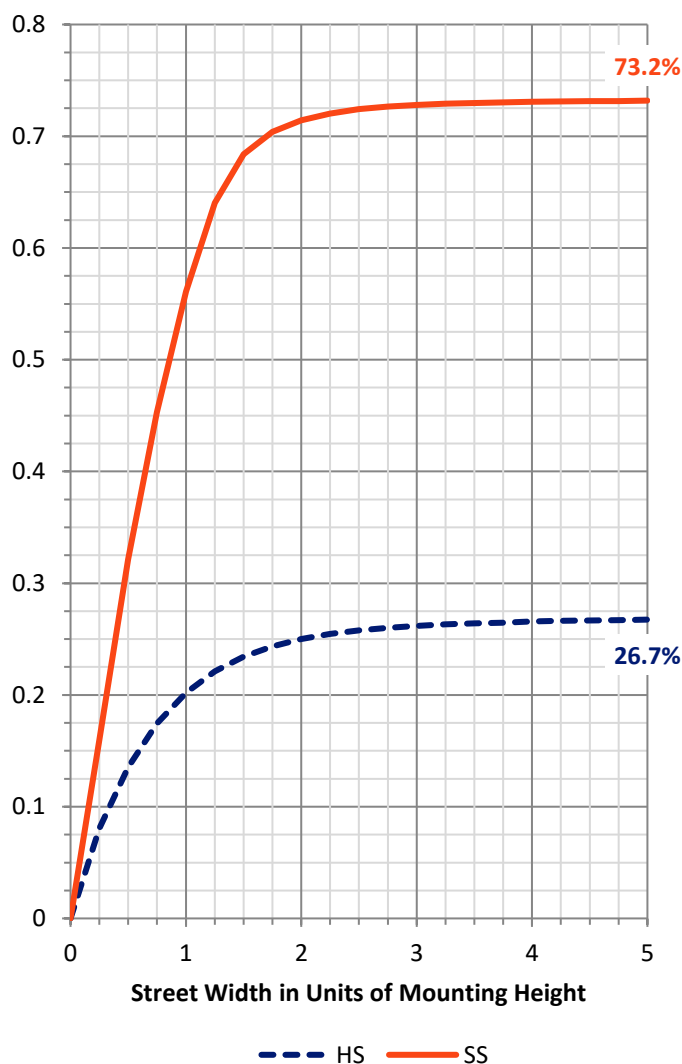
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4409.2	0.0	4409.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	11989.8	0.0	11989.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	16399.0	0.0	16399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.2	1.9
10°-20°	977.5	6.0
20°-30°	1709.5	10.4
30°-40°	2676.6	16.3
40°-50°	3893.6	23.7
50°-60°	4279.3	26.1
60°-70°	1910.1	11.6
70°-80°	551.7	3.4
80°-90°	89.5	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°	16399.0	100.0
0°-180°	16399.0	100.0

Coefficient of Utilization

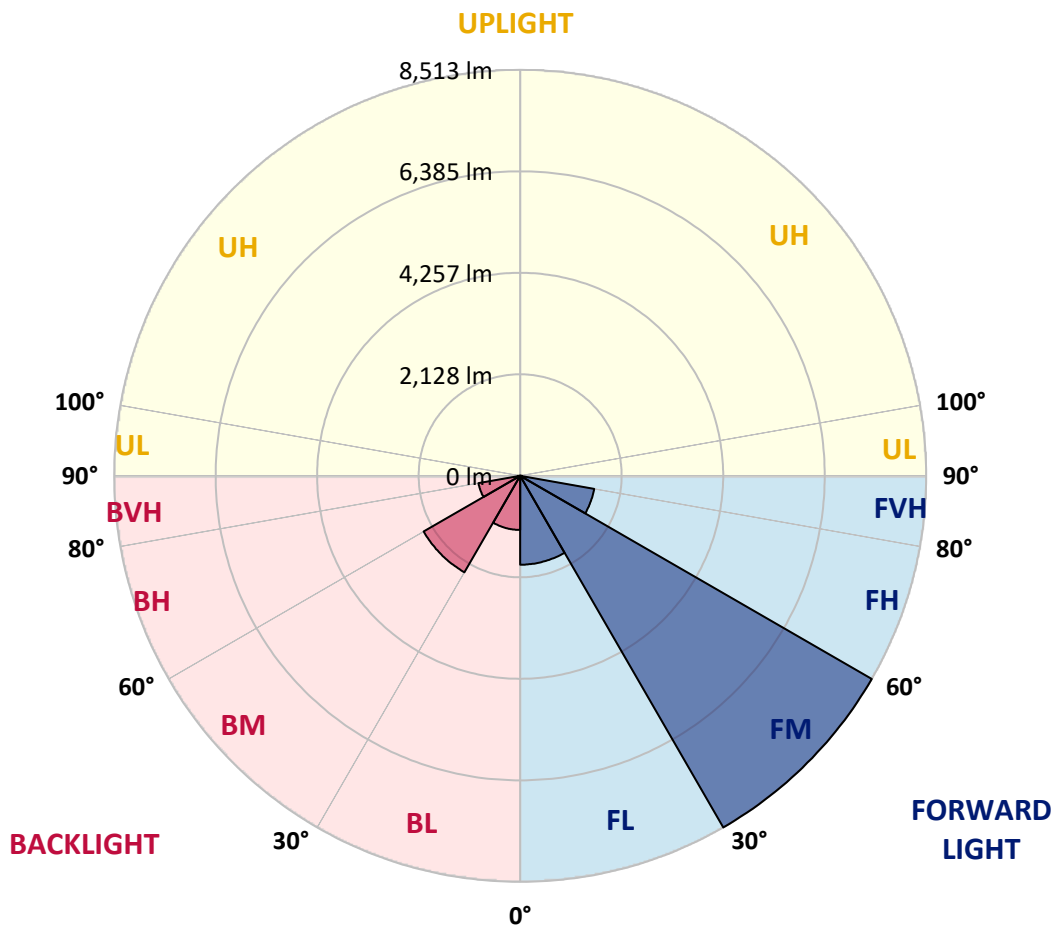


REPORT NUMBER: P528448
 CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.6	11.4			
FM (30°-60°)	8513.0	51.9			
FH (60°-80°)	1574.7	9.6			G1/1800
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	1134.6	6.9	B3/2500		
BM (30°-60°)	2336.5	14.2	B2/2500		
BH (60°-80°)	887.1	5.4	B2/1000		G2/1000
BVH (80°-90°)	51.0	0.3			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: P528448

CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7
2.5°	3456.6	3401.3	3397.1	3382.2	3390.7	3352.4	3312.1	3258.9	3203.6	3237.7	3156.9
5°	3699.0	3624.6	3654.3	3603.3	3609.7	3558.7	3475.7	3414.1	3346.1	3305.7	3248.3
7.5°	3784.0	3790.4	3811.6	3803.1	3760.6	3760.6	3705.3	3596.9	3477.9	3454.5	3358.8
10°	3898.8	3900.9	3877.5	3883.9	3943.4	3915.8	3866.9	3820.1	3667.1	3639.4	3469.4
12.5°	3939.2	3900.9	3939.2	3973.2	4043.3	4081.6	4071.0	4037.0	3873.3	3854.1	3605.4
15°	3945.6	3922.2	3954.1	4030.6	4092.2	4253.8	4334.6	4311.2	4094.4	4096.5	3758.5
17.5°	3915.8	3947.7	3960.4	4026.3	4168.8	4319.7	4553.5	4585.4	4406.9	4379.2	3951.9
20°	3956.2	3932.8	3949.8	4009.3	4198.5	4434.5	4740.6	4951.1	4700.2	4681.1	4151.8
22.5°	4111.4	4079.5	4075.2	4113.5	4249.6	4494.0	4938.3	5316.7	5057.4	5068.0	4400.5
25°	4232.5	4249.6	4234.7	4232.5	4317.6	4583.3	5199.8	5752.5	5542.1	5480.4	4693.9
27.5°	4440.9	4481.3	4451.5	4491.9	4472.8	4717.2	5386.9	6235.1	6065.0	5982.1	4959.6
30°	4730.0	4751.2	4723.6	4723.6	4666.2	4904.3	5556.9	6738.9	6668.8	6556.1	5272.1
32.5°	5110.5	5142.4	5087.1	5055.2	5046.7	5182.8	5863.1	7236.4	7355.4	7259.7	5686.6
35°	5614.3	5595.2	5529.3	5499.5	5384.7	5610.1	6318.0	7808.2	8120.7	7950.6	6188.3
37.5°	6058.6	6028.9	6024.6	5858.8	5886.4	6071.4	6704.9	8241.9	8862.6	8813.7	6717.7
40°	6473.2	6500.8	6545.5	6451.9	6409.4	6613.5	7155.6	8573.5	9438.7	9419.6	7125.8
42.5°	6917.5	6892.0	6970.6	6892.0	6828.2	7117.3	7644.5	8803.1	9944.7	9787.4	7553.1
45°	7561.6	7480.8	7508.5	7514.8	7468.1	7574.4	7846.5	8968.9	10299.7	10282.7	7865.6
47.5°	8099.4	8101.6	8054.8	8018.7	7876.2	7982.5	8071.8	9073.1	10707.9	10680.2	7986.8
50°	8299.3	8271.6	8407.7	8486.3	8494.9	8278.0	8248.3	9130.5	10922.6	10801.4	8107.9
52.5°	7580.7	7606.3	7821.0	8288.6	8558.6	8582.0	8454.5	9249.5	11009.7	10984.2	8205.7
55°	6101.2	6224.5	6577.3	7117.3	7757.2	8460.8	8677.7	9372.8	11056.5	11035.2	8639.4
56°	5363.5	5459.2	5918.3	6341.4	7144.9	8020.8	8537.4	9504.6	11092.6	11192.5	8741.4
57.5°	4317.6	4428.1	4757.6	5238.1	6186.2	7183.2	8150.5	9343.1	10952.3	10990.6	8815.9
60°	2699.8	2710.4	3105.9	3422.6	4090.1	5063.7	6220.2	8129.2	10136.0	10080.7	7918.7
62.5°	1770.8	1772.9	2132.2	2391.6	2695.6	2918.8	3660.7	5391.1	7478.7	7380.9	5637.7
65°	1243.6	1271.3	1549.7	1896.2	2019.5	1902.6	1879.2	2842.2	4177.3	4037.0	3029.3
67.5°	909.9	912.0	1158.6	1530.6	1709.2	1447.7	1175.6	1388.2	1653.9	1649.7	1403.1
70°	601.6	627.1	816.3	1143.7	1347.8	1162.8	960.9	992.8	1052.3	1052.3	1043.8
72.5°	350.8	374.1	499.6	724.9	756.8	727.0	761.1	850.3	888.6	886.5	875.8
75°	199.8	210.5	238.1	301.9	376.3	444.3	559.1	644.1	682.4	705.8	678.1
77.5°	116.9	123.3	140.3	172.2	195.6	240.2	304.0	363.5	414.5	408.2	412.4
80°	61.6	61.6	78.7	102.0	136.1	170.1	202.0	236.0	263.6	270.0	276.4
82.5°	36.1	38.3	51.0	74.4	97.8	121.2	155.2	178.6	204.1	206.2	210.5
85°	19.1	21.3	31.9	48.9	65.9	74.4	76.5	72.3	78.7	74.4	85.0
87.5°	6.4	6.4	10.6	8.5	8.5	10.6	12.8	12.8	17.0	17.0	17.0
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: P528448

CATALOG NUMBER: GALN-SA3C-735-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7	3137.7
2.5°	3154.7	3154.7	3118.6	3050.6	3039.9	3012.3	2986.8	2984.7	2965.5	2948.5	2940.0
5°	3214.3	3148.4	3095.2	3033.6	2961.3	2927.3	2889.0	2846.5	2829.5	2846.5	2844.4
7.5°	3282.3	3227.0	3067.6	2952.8	2869.9	2835.9	2793.4	2748.7	2753.0	2753.0	2723.2
10°	3348.2	3273.8	3018.7	2872.0	2750.8	2725.3	2701.9	2718.9	2740.2	2744.5	2725.3
12.5°	3458.7	3290.8	2995.3	2791.2	2714.7	2659.4	2674.3	2721.1	2765.7	2753.0	2767.8
15°	3541.6	3305.7	2889.0	2708.3	2612.7	2638.2	2691.3	2723.2	2797.6	2789.1	2804.0
17.5°	3622.4	3314.2	2784.8	2597.8	2557.4	2627.5	2667.9	2759.3	2782.7	2833.7	2852.9
20°	3788.2	3331.2	2678.6	2529.7	2517.0	2597.8	2667.9	2710.4	2761.5	2806.1	2806.1
22.5°	3873.3	3322.7	2608.4	2440.5	2480.9	2531.9	2595.6	2667.9	2667.9	2710.4	2712.6
25°	3979.6	3288.7	2497.9	2397.9	2427.7	2476.6	2548.9	2523.4	2551.0	2551.0	2585.0
27.5°	4100.7	3216.4	2402.2	2321.4	2380.9	2434.1	2444.7	2427.7	2395.8	2391.6	2378.8
30°	4198.5	3127.1	2332.0	2295.9	2344.8	2374.6	2340.5	2304.4	2249.1	2244.9	2215.1
32.5°	4332.5	3016.6	2244.9	2232.1	2287.4	2289.5	2278.9	2223.6	2142.8	2108.8	2074.8
35°	4557.8	2952.8	2179.0	2198.1	2215.1	2208.7	2189.6	2130.1	2049.3	2034.4	2021.7
37.5°	4723.6	2906.0	2111.0	2134.3	2149.2	2157.7	2100.3	2034.4	2036.6	2006.8	1998.3
40°	4910.7	2876.3	2055.7	2066.3	2068.4	2096.1	2025.9	1994.0	2008.9	1989.8	2002.5
42.5°	5150.9	2884.8	1998.3	1989.8	2030.2	2019.5	1985.5	1943.0	1951.5	1894.1	1902.6
45°	5278.5	2942.2	1964.3	1926.0	1970.7	1968.5	1923.9	1883.5	1832.5	1721.9	1726.2
47.5°	5363.5	2957.0	1883.5	1858.0	1904.8	1932.4	1881.4	1787.8	1715.6	1636.9	1617.8
50°	5450.7	2984.7	1845.2	1792.1	1811.2	1877.1	1813.3	1724.1	1653.9	1583.7	1594.4
52.5°	5527.2	3037.8	1770.8	1692.2	1726.2	1798.5	1764.4	1656.0	1579.5	1522.1	1505.1
55°	5867.3	3156.9	1645.4	1543.4	1624.1	1715.6	1696.4	1564.6	1481.7	1451.9	1447.7
56°	5920.5	3161.1	1579.5	1492.3	1566.7	1687.9	1664.5	1524.2	1449.8	1403.1	1405.2
57.5°	5929.0	3110.1	1486.0	1445.6	1509.3	1647.5	1617.8	1492.3	1390.3	1347.8	1335.0
60°	5216.8	2427.7	1369.0	1343.5	1417.9	1524.2	1513.6	1405.2	1290.4	1241.5	1264.9
62.5°	3556.5	1779.3	1277.6	1273.4	1311.6	1415.8	1388.2	1290.4	1194.7	1162.8	1148.0
65°	2070.6	1349.9	1188.3	1171.3	1203.2	1258.5	1277.6	1175.6	1075.7	1054.4	1048.0
67.5°	1222.4	1116.1	1073.5	1045.9	1035.3	1069.3	1084.2	1024.7	924.7	895.0	920.5
70°	1022.5	992.8	994.9	948.1	922.6	899.2	886.5	833.3	750.4	712.2	701.5
72.5°	882.2	869.5	861.0	818.4	795.1	741.9	686.6	633.5	571.9	540.0	542.1
75°	673.9	669.6	673.9	652.6	612.2	569.7	518.7	450.7	403.9	363.5	372.0
77.5°	401.8	414.5	420.9	412.4	395.4	357.1	325.3	280.6	236.0	204.1	199.8
80°	276.4	287.0	297.6	287.0	270.0	242.3	208.3	174.3	142.4	125.4	121.2
82.5°	210.5	221.1	227.5	216.8	195.6	165.8	142.4	119.0	93.5	76.5	72.3
85°	76.5	87.2	85.0	102.0	110.5	106.3	91.4	70.2	53.1	38.3	36.1
87.5°	21.3	19.1	21.3	21.3	21.3	19.1	17.0	17.0	17.0	10.6	8.5
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)