

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: P527012

Luminaire Tested: **GALN-SA2A-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527012
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2A-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7085 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

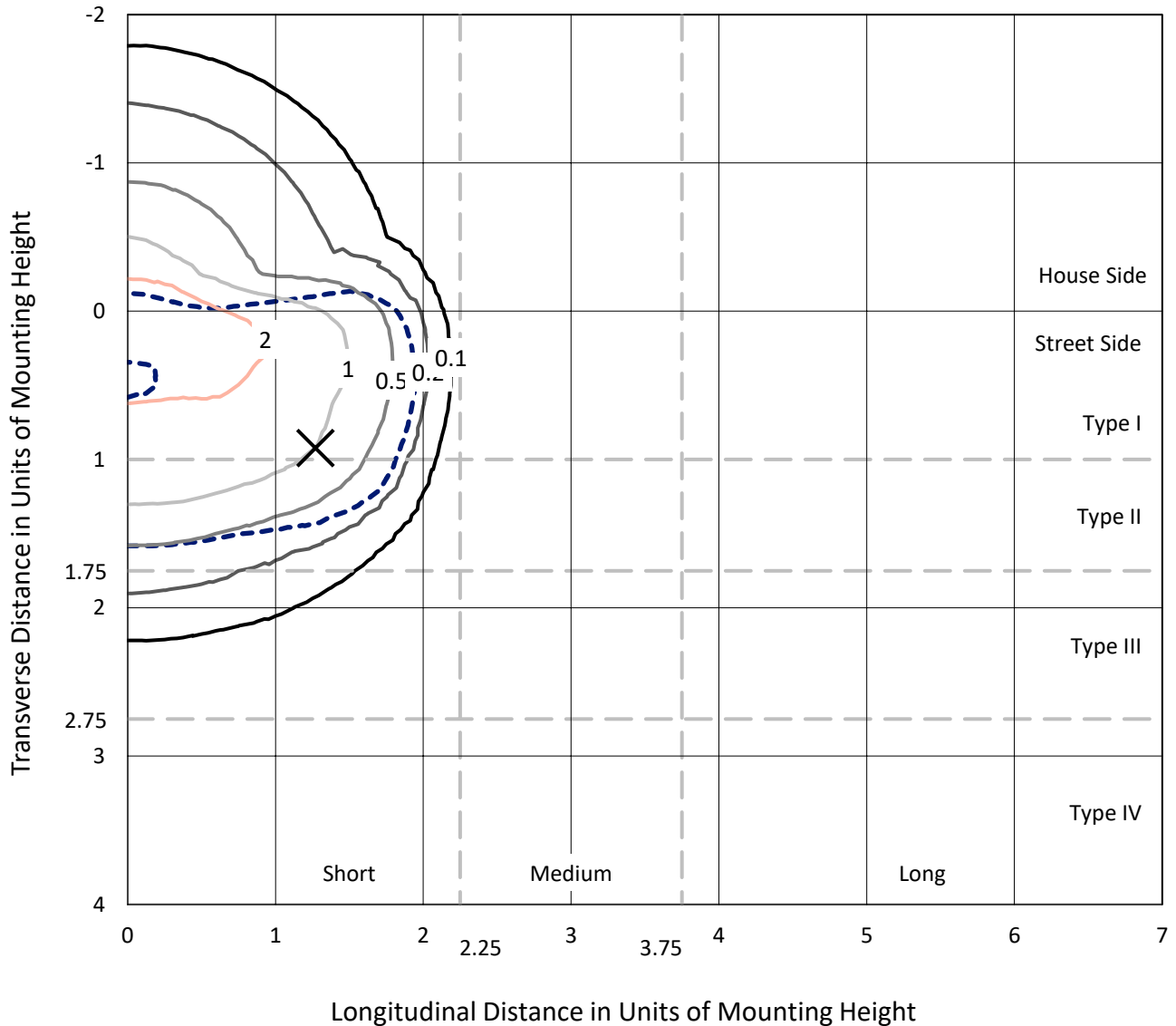
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527012
 CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

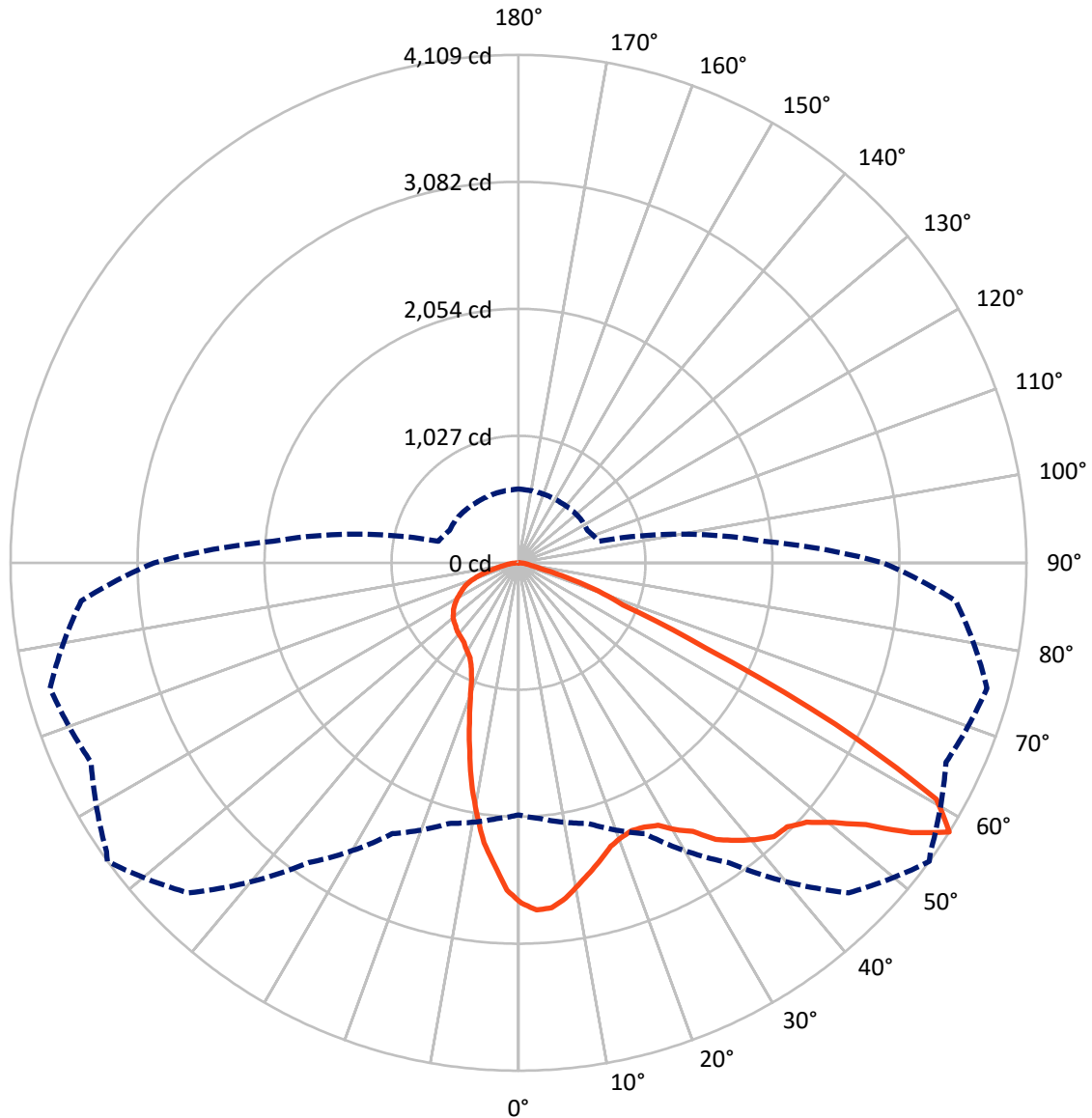
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - N/A

REPORT NUMBER: P527012
CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P527012
 CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

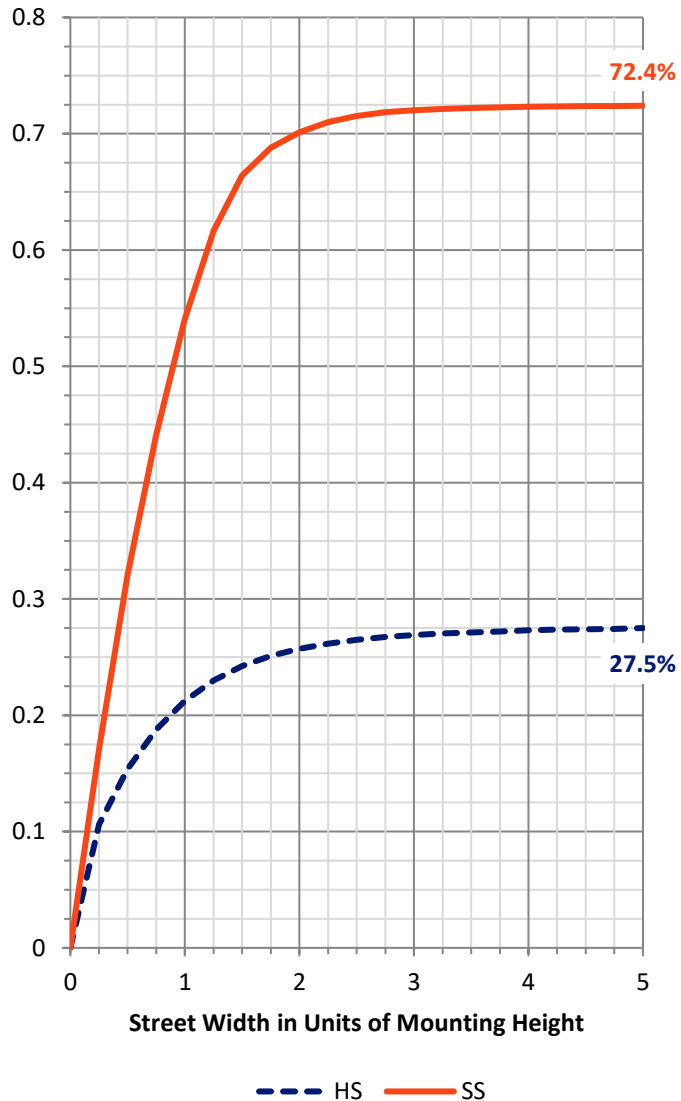
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1960.1	0.0	1960.1
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	5124.9	0.0	5124.9
	% Fixture	72.3	0.0	72.3
Total	Lumens	7085.0	0.0	7085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.5	3.4
10°-20°	549.9	7.8
20°-30°	772.6	10.9
30°-40°	1080.1	15.2
40°-50°	1462.2	20.6
50°-60°	1781.1	25.1
60°-70°	927.7	13.1
70°-80°	237.7	3.4
80°-90°	36.3	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°	7085.0	100.0
0°-180°	7085.0	100.0

Coefficient of Utilization



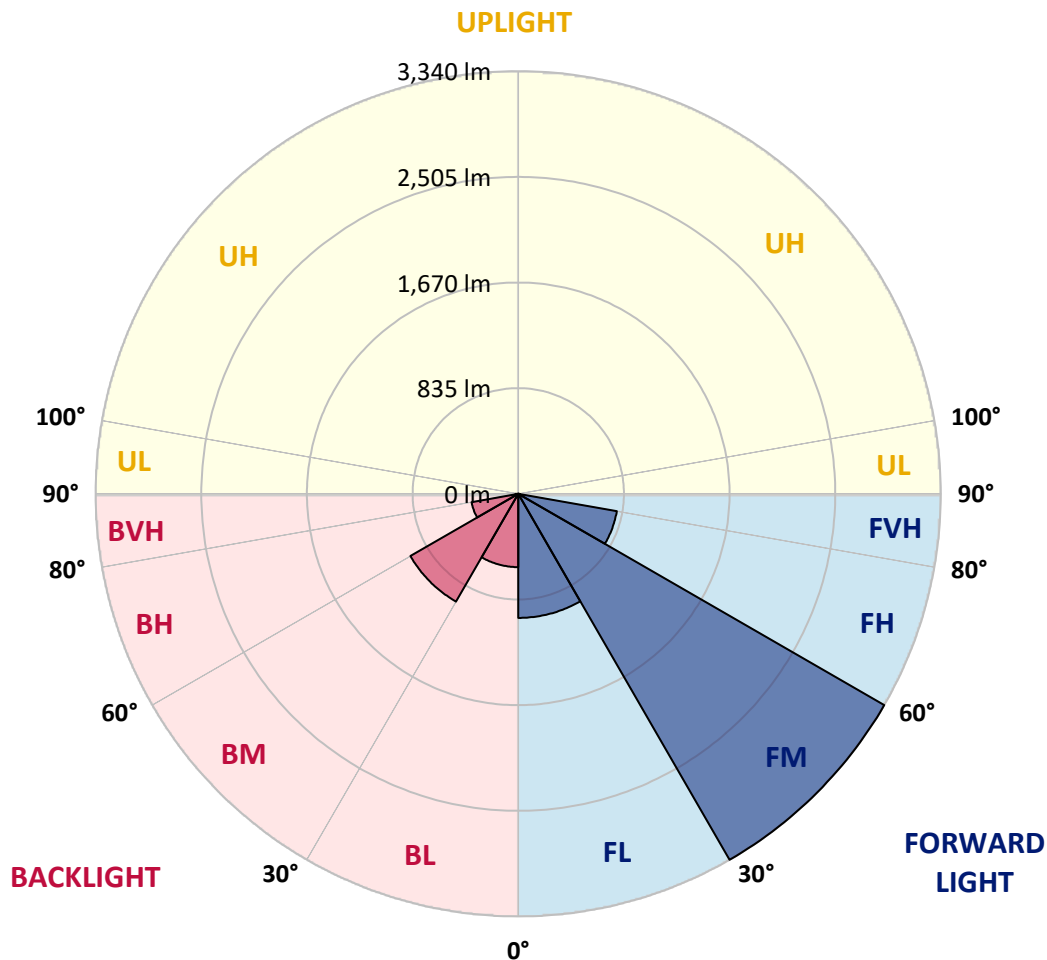
REPORT NUMBER: P527012
 CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	980.7	13.8			
FM (30°-60°)	3339.6	47.1			
FH (60°-80°)	790.9	11.2			G1/1800
FVH (80°-90°)	13.7	0.2			G1/100
BL (0°-30°)	579.3	8.2	B2/1000		
BM (30°-60°)	983.8	13.9	B1/1000		
BH (60°-80°)	374.5	5.3	B1/500		G1/500
BVH (80°-90°)	22.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P527012
 CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9
2.5°	2832.2	2821.2	2823.1	2837.6	2819.4	2812.1	2812.1	2776.6	2779.4	2754.8	2748.4
5°	2766.6	2741.1	2758.4	2780.3	2783.9	2791.2	2803.0	2793.9	2768.4	2742.0	2699.2
7.5°	2595.4	2618.2	2624.5	2640.0	2672.8	2702.9	2740.2	2714.7	2713.8	2687.4	2661.9
10°	2445.1	2431.5	2466.1	2488.9	2543.5	2593.6	2651.0	2648.2	2661.9	2631.8	2588.1
12.5°	2295.8	2284.9	2301.3	2353.2	2429.7	2502.5	2570.8	2545.3	2618.2	2612.7	2518.9
15°	2137.3	2145.5	2169.2	2217.5	2317.6	2405.1	2491.6	2492.5	2557.2	2579.0	2453.3
17.5°	2026.2	2017.1	2047.2	2119.1	2208.4	2313.1	2411.4	2431.5	2530.7	2543.5	2433.3
20°	1943.4	1956.1	1995.3	2031.7	2134.6	2261.2	2372.3	2379.6	2525.3	2559.9	2401.4
22.5°	1923.3	1916.0	1928.8	1988.0	2072.7	2210.2	2351.3	2378.7	2524.4	2554.4	2341.3
25°	1902.4	1926.1	1925.2	1984.3	2046.3	2169.2	2368.6	2398.7	2572.6	2582.7	2349.5
27.5°	1949.7	1947.0	1972.5	1977.1	2053.6	2180.1	2405.1	2427.8	2652.8	2644.6	2355.9
30°	1997.1	1983.4	1998.9	2052.6	2088.2	2243.0	2505.2	2503.4	2756.6	2751.1	2375.9
32.5°	2055.4	2049.0	2059.0	2106.4	2166.5	2326.8	2589.9	2643.7	2862.2	2896.8	2445.1
35°	2066.3	2092.7	2116.4	2180.1	2265.7	2462.4	2749.3	2793.9	2984.3	3092.6	2577.2
37.5°	2135.5	2145.5	2201.1	2314.0	2392.3	2643.7	2850.4	2878.6	3095.4	3218.3	2716.5
40°	2209.3	2221.1	2304.9	2423.3	2530.7	2762.1	2945.1	2954.2	3130.9	3314.8	2807.6
42.5°	2309.5	2320.4	2403.3	2551.7	2695.6	2863.1	3028.9	3038.9	3128.1	3425.9	2952.4
45°	2413.3	2439.7	2537.1	2705.6	2834.9	2981.5	3048.0	3089.0	3153.6	3525.2	3069.9
47.5°	2559.0	2583.6	2663.7	2828.5	2979.7	3085.3	3136.3	3176.4	3214.7	3611.7	3145.4
50°	2713.8	2718.3	2815.8	2965.1	3076.2	3202.8	3301.2	3314.8	3294.8	3711.9	3273.8
52.5°	2827.6	2842.2	2917.8	3063.5	3229.2	3385.0	3519.7	3534.3	3495.1	3749.2	3317.6
55°	2639.1	2630.9	2753.9	2947.8	3332.1	3656.3	3852.1	3863.1	3640.8	3864.9	3460.5
57.5°	2039.9	2079.1	2183.8	2417.8	2960.6	3776.5	4108.9	4069.8	3815.7	3923.2	3551.6
60°	1482.6	1473.5	1543.6	1700.2	2231.1	3254.7	3884.9	3925.0	3672.7	3536.1	2928.7
62.5°	1207.5	1194.8	1200.3	1205.7	1439.8	2160.1	2875.9	2875.0	2828.5	2541.7	1975.2
65°	965.3	995.4	998.1	1039.1	1069.1	1290.4	1666.5	1755.8	1529.0	1254.0	909.8
67.5°	727.6	716.7	753.1	898.8	955.3	931.6	909.8	919.8	653.9	471.7	444.4
70°	428.9	424.4	468.1	626.5	786.8	740.4	685.7	686.6	449.0	329.7	367.0
72.5°	235.0	234.0	243.1	317.8	447.1	464.4	411.6	424.4	267.7	266.8	286.9
75°	131.1	128.4	125.7	140.2	161.2	170.3	173.9	175.8	184.0	205.8	214.0
77.5°	48.3	46.4	46.4	53.7	68.3	85.6	108.4	110.2	130.2	149.3	157.5
80°	16.4	18.2	24.6	33.7	45.5	61.0	73.8	75.6	92.0	104.7	107.5
82.5°	10.0	10.9	16.4	23.7	32.8	42.8	54.6	55.6	68.3	76.5	80.1
85°	4.6	5.5	9.1	14.6	20.9	28.2	29.1	29.1	28.2	29.1	27.3
87.5°	0.0	0.0	1.8	1.8	1.8	2.7	3.6	2.7	4.6	5.5	5.5
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: P527012

CATALOG NUMBER: GALN-SA2A-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9	2753.9
2.5°	2729.3	2719.3	2688.3	2661.0	2652.8	2616.3	2562.6	2569.0	2529.8	2548.0	2528.9
5°	2691.9	2658.2	2579.0	2545.3	2457.0	2416.9	2389.6	2321.3	2289.4	2283.0	2255.7
7.5°	2596.3	2575.4	2476.1	2385.0	2291.2	2211.1	2108.2	2038.1	1988.0	1974.3	1934.3
10°	2520.7	2474.3	2336.8	2198.4	2064.5	1925.2	1791.3	1686.6	1635.6	1576.4	1556.3
12.5°	2446.1	2375.9	2190.2	2012.6	1839.5	1663.8	1501.7	1374.2	1263.1	1236.7	1227.6
15°	2399.6	2277.6	2059.0	1845.0	1599.1	1369.6	1207.5	1123.8	1055.5	1027.2	1047.3
17.5°	2338.6	2196.5	1933.3	1648.3	1377.8	1166.6	1030.9	979.0	954.4	957.1	948.9
20°	2262.1	2120.0	1768.5	1469.8	1180.2	1011.8	934.3	915.2	918.9	925.2	922.5
22.5°	2207.5	2027.1	1649.2	1287.7	1019.9	926.1	894.3	880.6	892.5	897.9	893.4
25°	2165.6	1947.9	1504.4	1126.5	927.1	877.9	863.3	862.4	880.6	887.9	883.3
27.5°	2127.3	1874.2	1360.5	1003.6	865.1	840.5	836.0	846.9	858.8	866.0	872.4
30°	2104.6	1817.7	1225.8	900.7	834.2	822.3	814.1	824.2	830.5	837.8	834.2
32.5°	2126.4	1777.6	1095.5	842.4	808.7	796.8	807.8	801.4	812.3	818.7	808.7
35°	2194.7	1742.1	1002.6	811.4	779.5	784.1	785.9	783.2	787.7	782.3	794.1
37.5°	2262.1	1729.4	917.0	785.0	765.9	765.9	764.0	758.6	767.7	765.9	771.3
40°	2347.7	1737.6	844.2	756.8	753.1	751.3	744.0	743.1	739.5	740.4	742.2
42.5°	2422.4	1755.8	802.3	738.6	741.3	744.9	731.3	720.3	724.9	715.8	715.8
45°	2501.6	1772.2	765.0	725.8	723.1	722.2	711.2	704.9	701.2	702.1	710.3
47.5°	2626.4	1795.8	736.7	708.5	710.3	696.7	693.9	685.7	689.4	694.8	695.7
50°	2714.7	1845.9	714.9	688.5	694.8	685.7	669.3	665.7	665.7	674.8	673.0
52.5°	2776.6	1916.0	693.9	666.6	669.3	662.1	656.6	648.4	642.9	655.7	662.1
55°	2966.0	2032.6	688.5	648.4	647.5	640.2	630.2	622.0	619.3	621.1	633.8
57.5°	2947.8	1996.2	671.2	616.5	614.7	604.7	594.7	591.9	591.0	592.8	596.5
60°	2393.2	1474.4	599.2	580.1	577.4	575.5	565.5	554.6	549.1	554.6	550.0
62.5°	1583.7	987.2	528.2	536.4	538.2	533.7	517.3	506.3	508.2	514.5	504.5
65°	777.7	580.1	479.0	500.9	502.7	489.9	474.5	461.7	455.3	460.8	456.2
67.5°	444.4	443.5	438.9	461.7	460.8	448.0	423.5	412.5	401.6	403.4	400.7
70°	377.0	384.3	393.4	407.1	406.2	391.6	362.4	354.2	338.8	336.9	332.4
72.5°	296.9	309.6	329.7	339.7	331.5	313.3	294.1	280.5	266.8	258.6	261.4
75°	220.4	238.6	249.5	255.9	243.1	233.1	217.6	201.3	184.9	177.6	174.8
77.5°	160.3	165.7	175.8	180.3	172.1	162.1	153.0	136.6	121.1	111.1	108.4
80°	112.0	115.7	122.9	122.9	122.9	118.4	106.5	90.2	80.1	71.0	69.2
82.5°	78.3	82.0	89.2	85.6	84.7	79.2	71.9	59.2	48.3	41.9	40.1
85°	27.3	30.1	36.4	43.7	46.4	45.5	41.0	32.8	25.5	20.9	19.1
87.5°	6.4	6.4	7.3	6.4	6.4	7.3	6.4	6.4	6.4	4.6	3.6
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)