

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: P527490

Luminaire Tested: **GALN-SA2C-730-U-T3-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P527490  
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-SA2C-730-U-T3-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA 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: 10977 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

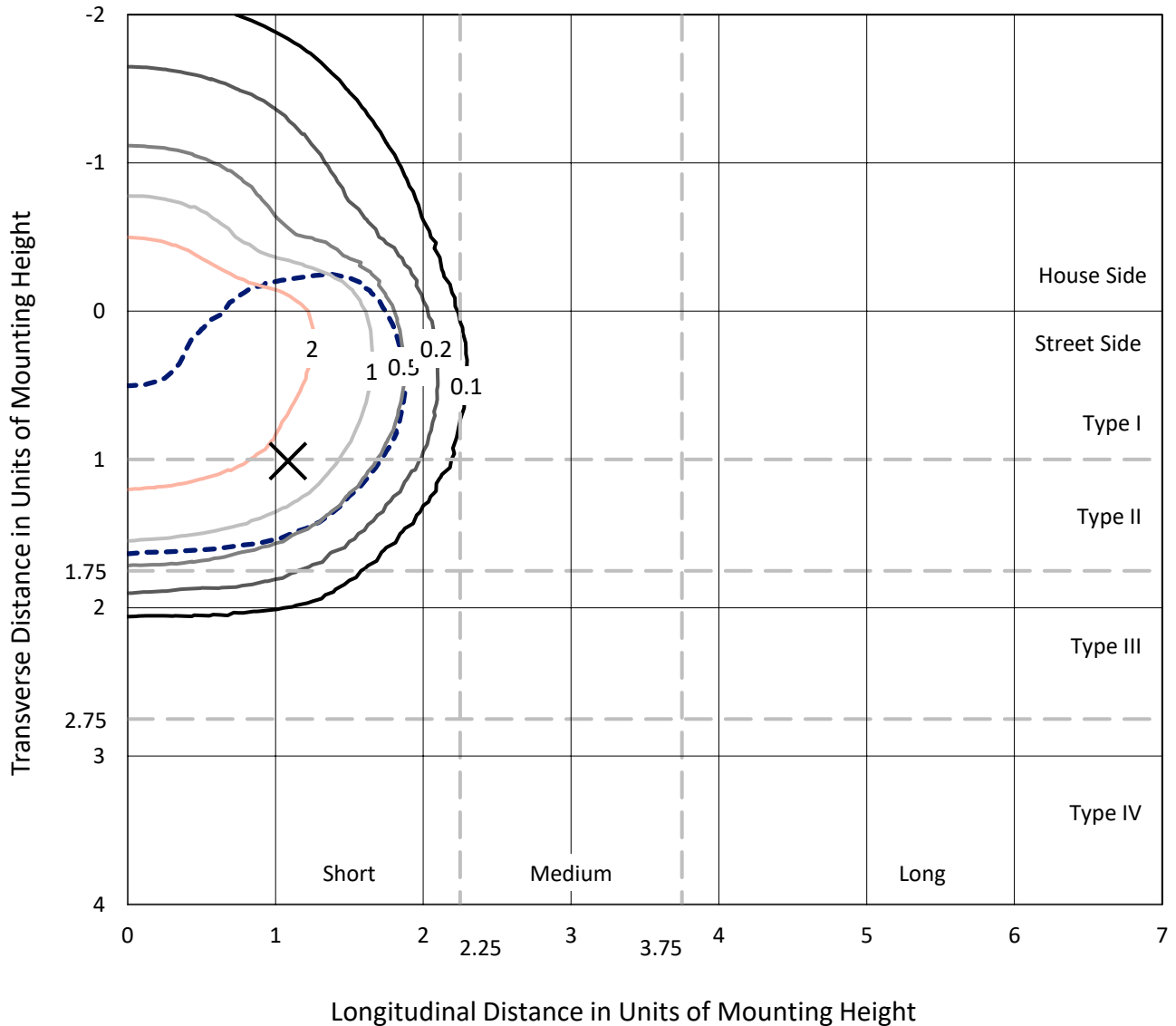
Input Watts (W): 108  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P527490  
 CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

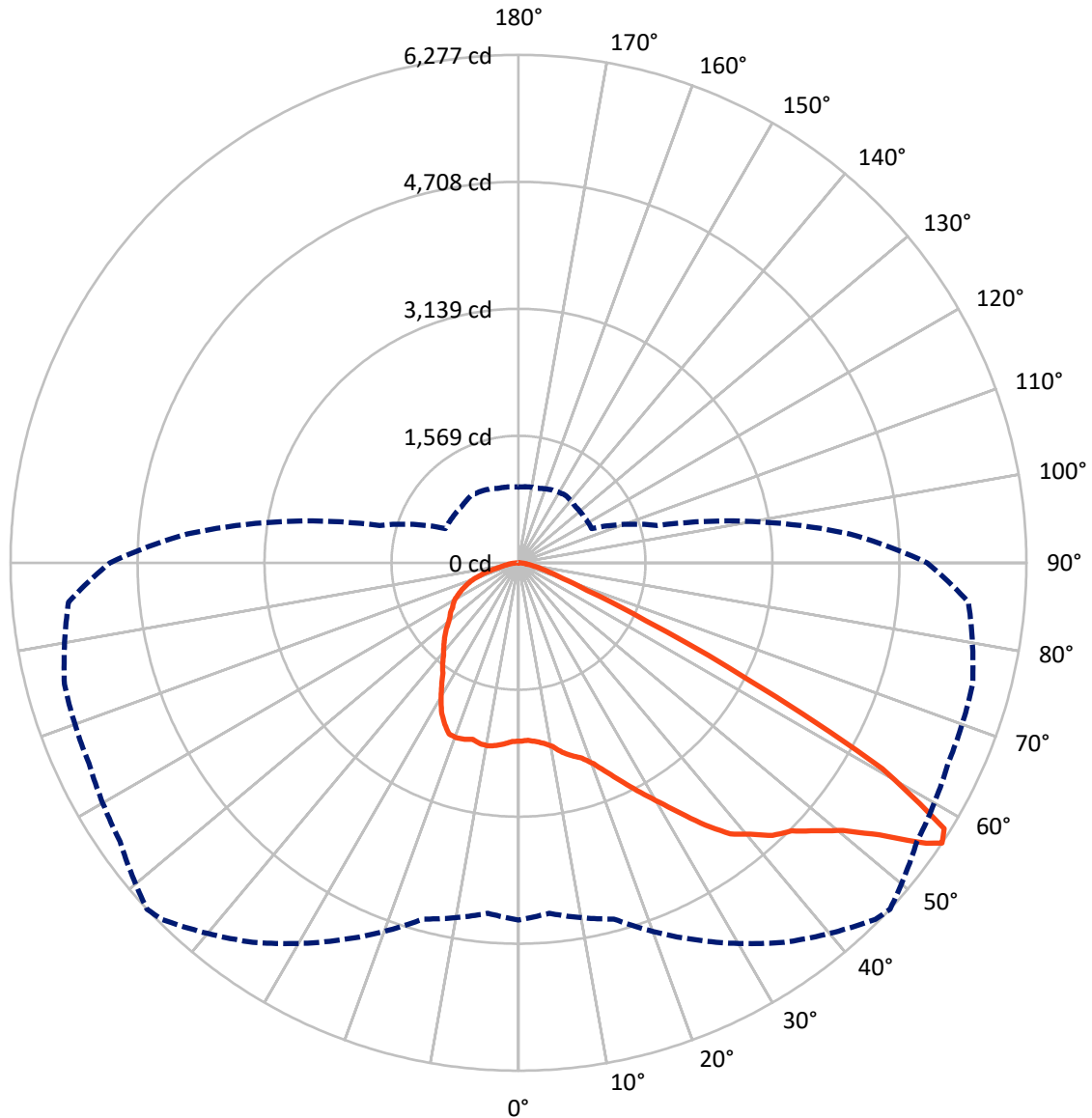
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P527490  
CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P527490  
 CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3478.5	0.0	3478.5
	% Fixture	31.7	0.0	31.7
<b>Street Side</b>	Lumens	7498.5	0.0	7498.5
	% Fixture	68.3	0.0	68.3
<b>Total</b>	Lumens	10977.0	0.0	10977.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.8	2.0
10°-20°	677.7	6.2
20°-30°	1198.0	10.9
30°-40°	1799.4	16.4
40°-50°	2469.5	22.5
50°-60°	2942.1	26.8
60°-70°	1259.1	11.5
70°-80°	356.3	3.2
80°-90°	60.0	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°	10977.0	100.0
0°-180°	10977.0	100.0

**Coefficient of Utilization**



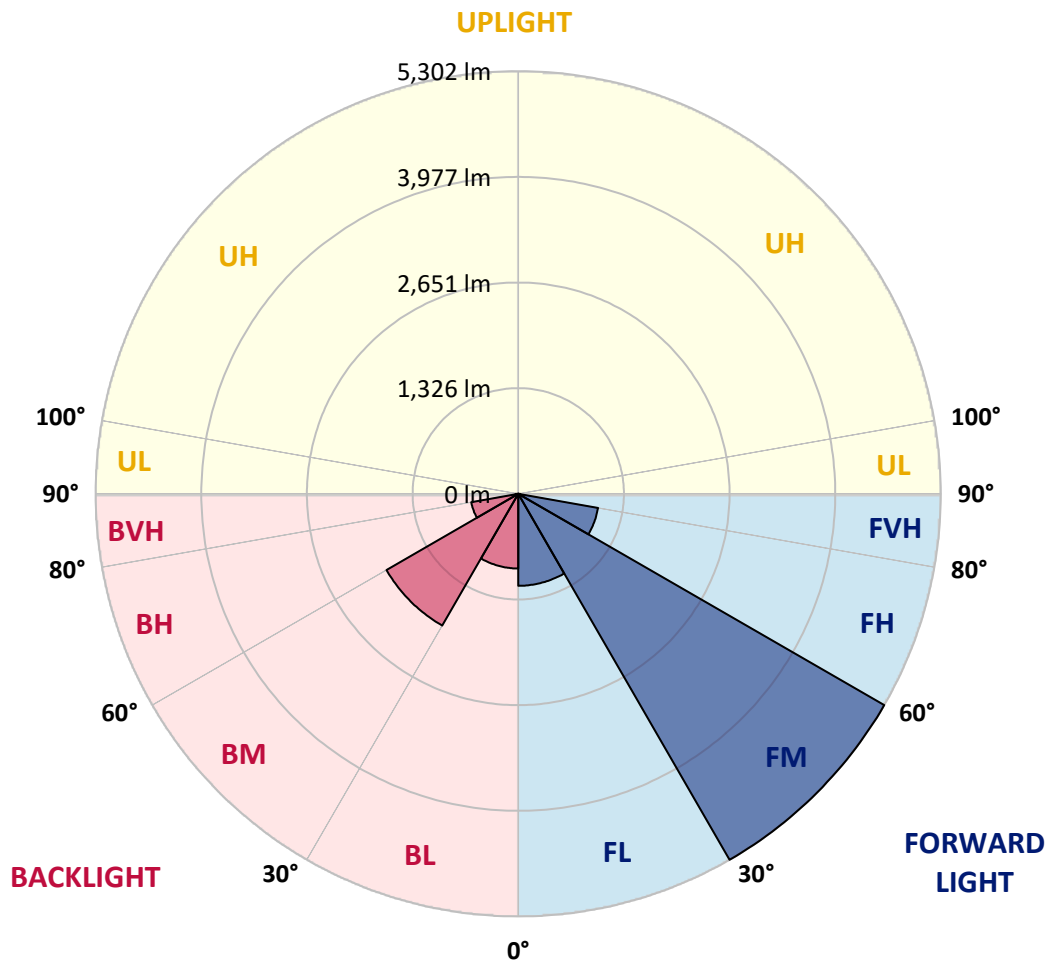
REPORT NUMBER: P527490  
 CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.0	10.5			
FM (30°-60°)	5302.2	48.3			
FH (60°-80°)	1016.9	9.3			G1/1800
FVH (80°-90°)	25.5	0.2			G1/100
BL (0°-30°)	936.5	8.5	B2/1000		
BM (30°-60°)	1909.0	17.4	B2/2500		
BH (60°-80°)	598.5	5.5	B2/1000		G2/1000
BVH (80°-90°)	34.5	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-G2**

Type II Short





REPORT NUMBER: P527490

CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9
2.5°	2196.5	2192.3	2189.5	2211.9	2203.5	2204.9	2196.5	2204.9	2210.5	2197.9	2216.1
5°	2192.3	2204.9	2193.7	2200.7	2218.9	2213.3	2218.9	2235.7	2231.5	2227.3	2221.7
7.5°	2231.5	2232.9	2241.3	2244.1	2249.7	2244.1	2252.5	2267.9	2263.7	2239.9	2242.7
10°	2287.5	2290.3	2291.7	2307.1	2316.9	2318.3	2308.5	2294.5	2293.1	2325.3	2302.9
12.5°	2351.9	2344.9	2361.7	2367.3	2378.5	2391.1	2403.7	2374.3	2392.5	2393.9	2367.3
15°	2445.7	2452.7	2433.1	2433.1	2437.3	2438.7	2473.7	2459.7	2456.9	2441.5	2452.7
17.5°	2585.7	2538.1	2536.7	2517.1	2514.3	2525.5	2538.1	2549.3	2587.1	2556.3	2496.1
20°	2687.9	2699.1	2658.5	2634.7	2638.9	2664.1	2651.5	2701.9	2728.5	2678.1	2619.3
22.5°	2868.5	2830.7	2840.5	2787.3	2791.5	2818.1	2816.7	2868.5	2883.9	2804.1	2718.7
25°	2990.3	2980.5	2988.9	2946.9	2952.5	2973.5	3007.1	3092.5	3067.3	2979.1	2781.7
27.5°	3168.1	3148.5	3141.5	3126.1	3120.5	3176.5	3215.7	3306.7	3288.5	3159.7	2893.7
30°	3350.1	3337.5	3344.5	3281.5	3303.9	3422.9	3434.1	3558.7	3550.3	3323.5	3018.3
32.5°	3476.1	3483.1	3495.7	3460.7	3560.1	3655.3	3693.1	3834.5	3841.5	3604.9	3259.1
35°	3679.1	3655.3	3662.3	3702.9	3749.1	3922.7	3984.3	4078.1	4136.9	3900.3	3490.1
37.5°	3806.5	3831.7	3802.3	3866.7	3987.1	4195.7	4251.7	4348.3	4409.9	4191.5	3805.1
40°	4005.3	3964.7	3985.7	4031.9	4155.1	4426.7	4411.3	4510.7	4530.3	4439.3	4099.1
42.5°	4219.5	4199.9	4170.5	4275.5	4379.1	4576.5	4607.3	4561.1	4660.5	4681.5	4519.1
45°	4475.7	4499.5	4503.7	4506.5	4597.5	4769.7	4727.7	4687.1	4801.9	4954.5	4779.5
47.5°	4713.7	4638.1	4692.7	4768.3	4897.1	4898.5	4947.5	4850.9	4972.7	5108.5	5014.7
50°	4793.5	4757.1	4829.9	4972.7	5171.5	5192.5	5198.1	5060.9	5123.9	5231.7	5095.9
52.5°	4762.7	4750.1	4936.3	5157.5	5448.7	5555.1	5583.1	5413.7	5448.7	5399.7	5275.1
55°	4615.7	4653.5	4841.1	5291.9	5738.5	6067.5	6120.6	5906.5	5683.9	5721.7	5584.5
56°	4414.1	4348.3	4558.3	5139.3	5725.9	6234.0	6277.4	6010.1	5858.9	5809.9	5581.7
57.5°	3744.9	3659.5	3935.3	4624.1	5408.1	6171.0	6203.2	6053.5	5829.5	5730.1	5174.3
60°	2192.3	2234.3	2584.3	3189.1	4171.9	5059.5	5167.3	5276.5	5126.7	4681.5	3851.3
62.5°	1058.4	1031.8	1282.4	1828.4	2542.3	3229.7	3197.5	3504.1	3672.1	3326.3	2431.7
65°	554.4	551.6	700.0	998.2	1397.2	1696.8	1726.2	1891.4	2122.3	1713.6	1234.8
67.5°	407.4	418.6	492.8	701.4	898.8	917.0	912.8	995.4	1017.8	861.0	758.8
70°	319.2	324.8	379.4	533.4	669.2	599.2	586.6	596.4	662.2	690.2	656.6
72.5°	231.0	236.6	282.8	359.8	418.6	408.8	417.2	471.8	553.0	582.4	547.4
75°	154.0	158.2	183.4	219.8	247.8	267.4	282.8	345.8	421.4	438.2	421.4
77.5°	106.4	110.6	127.4	155.4	158.2	170.8	176.4	205.8	252.0	273.0	261.8
80°	60.2	60.2	68.6	79.8	98.0	114.8	117.6	141.4	162.4	176.4	179.2
82.5°	28.0	29.4	36.4	49.0	64.4	79.8	82.6	98.0	113.4	127.4	131.6
85°	14.0	15.4	21.0	29.4	39.2	47.6	46.2	47.6	50.4	47.6	49.0
87.5°	4.2	4.2	5.6	7.0	5.6	7.0	7.0	8.4	9.8	11.2	12.6
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: P527490

CATALOG NUMBER: GALN-SA2C-730-U-T3-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9	2204.9
2.5°	2217.5	2221.7	2193.7	2220.3	2210.5	2209.1	2228.7	2225.9	2232.9	2230.1	2213.3
5°	2218.9	2209.1	2238.5	2211.9	2224.5	2251.1	2232.9	2274.9	2253.9	2267.9	2237.1
7.5°	2262.3	2265.1	2259.5	2270.7	2265.1	2277.7	2267.9	2277.7	2260.9	2262.3	2290.3
10°	2300.1	2291.7	2301.5	2287.5	2297.3	2293.1	2270.7	2263.7	2269.3	2262.3	2280.5
12.5°	2370.1	2354.7	2347.7	2330.9	2319.7	2277.7	2242.7	2223.1	2249.7	2253.9	2245.5
15°	2441.5	2442.9	2410.7	2372.9	2302.9	2239.9	2248.3	2255.3	2255.3	2266.5	2245.5
17.5°	2486.3	2486.3	2456.9	2381.3	2309.9	2273.5	2265.1	2242.7	2223.1	2220.3	2218.9
20°	2564.7	2540.9	2473.7	2379.9	2307.1	2290.3	2227.3	2174.1	2133.5	2119.5	2118.1
22.5°	2654.3	2594.1	2500.3	2382.7	2302.9	2279.1	2161.5	2081.7	2009.0	1978.2	1982.4
25°	2736.9	2640.3	2515.7	2370.1	2287.5	2172.7	2041.1	1930.6	1855.0	1829.8	1817.2
27.5°	2794.3	2689.3	2515.7	2381.3	2230.1	2053.7	1919.4	1778.0	1712.2	1695.4	1698.2
30°	2871.3	2750.9	2559.1	2357.5	2115.3	1899.8	1738.8	1646.4	1607.2	1593.2	1603.0
32.5°	3051.9	2911.9	2619.3	2300.1	1979.6	1745.8	1615.6	1563.8	1506.4	1478.4	1468.6
35°	3247.9	3064.5	2678.1	2203.5	1827.0	1605.8	1524.6	1477.0	1408.4	1377.6	1383.2
37.5°	3525.1	3260.5	2682.3	2043.9	1661.8	1527.4	1453.2	1379.0	1323.0	1275.4	1261.4
40°	3898.9	3527.9	2672.5	1876.0	1528.8	1435.0	1380.4	1288.0	1225.0	1191.4	1198.4
42.5°	4227.9	3841.5	2631.9	1685.6	1408.4	1372.0	1310.4	1219.4	1157.8	1122.8	1120.0
45°	4505.1	4072.5	2554.9	1523.2	1307.6	1302.0	1230.6	1160.6	1111.6	1079.4	1093.4
47.5°	4761.3	4258.7	2438.7	1360.8	1215.2	1226.4	1157.8	1114.4	1083.6	1054.2	1052.8
50°	4853.7	4255.9	2336.5	1226.4	1141.0	1135.4	1132.6	1086.4	1054.2	1029.0	1040.2
52.5°	5007.7	4303.5	2225.9	1134.0	1073.8	1075.2	1085.0	1051.4	1015.0	999.6	1013.6
55°	5228.9	4310.5	1982.4	1026.2	1017.8	1027.6	1027.6	1005.2	974.4	961.8	954.8
56°	5048.3	4101.9	1778.0	998.2	989.8	989.8	1016.4	991.2	953.4	943.6	935.2
57.5°	4656.3	3593.7	1488.2	964.6	952.0	971.6	985.6	959.0	924.0	910.0	918.4
60°	3211.5	2431.7	1118.6	891.8	891.8	924.0	935.2	896.0	880.6	879.2	868.0
62.5°	1874.6	1416.8	875.0	826.0	828.8	855.4	863.8	841.4	821.8	845.6	856.8
65°	994.0	845.6	750.4	756.0	757.4	778.4	814.8	813.4	812.0	819.0	820.4
67.5°	719.6	702.8	681.8	676.2	679.0	694.4	730.8	758.8	757.4	740.6	728.0
70°	641.2	617.4	604.8	606.2	595.0	613.2	642.6	660.8	628.6	609.0	600.6
72.5°	533.4	526.4	518.0	519.4	497.0	492.8	459.2	459.2	450.8	445.2	455.0
75°	407.4	404.6	408.8	401.8	378.0	352.8	333.2	315.0	287.0	275.8	270.2
77.5°	257.6	266.0	275.8	260.4	250.6	232.4	212.8	194.6	172.2	159.6	159.6
80°	175.0	182.0	189.0	186.2	175.0	158.2	142.8	123.2	107.8	98.0	96.6
82.5°	133.0	138.6	148.4	137.2	126.0	112.0	99.4	85.4	71.4	60.2	60.2
85°	47.6	54.6	60.2	65.8	70.0	71.4	61.6	50.4	40.6	32.2	30.8
87.5°	12.6	14.0	15.4	14.0	14.0	14.0	15.4	14.0	12.6	9.8	9.8
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)