

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: P531000

Luminaire Tested: **GALN-SA6B-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531000
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-SA6B-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA 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: 26199 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

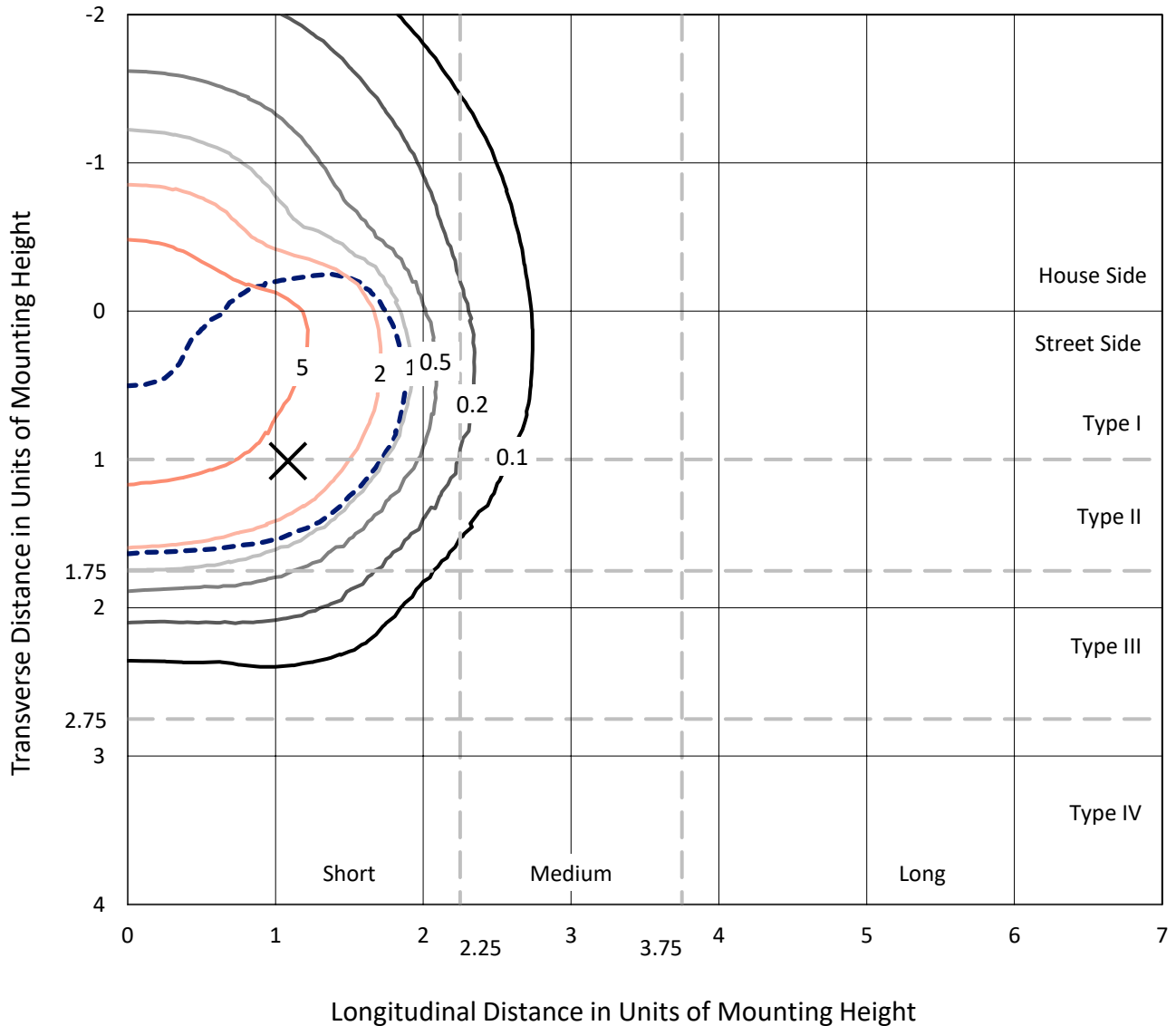
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531000
 CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

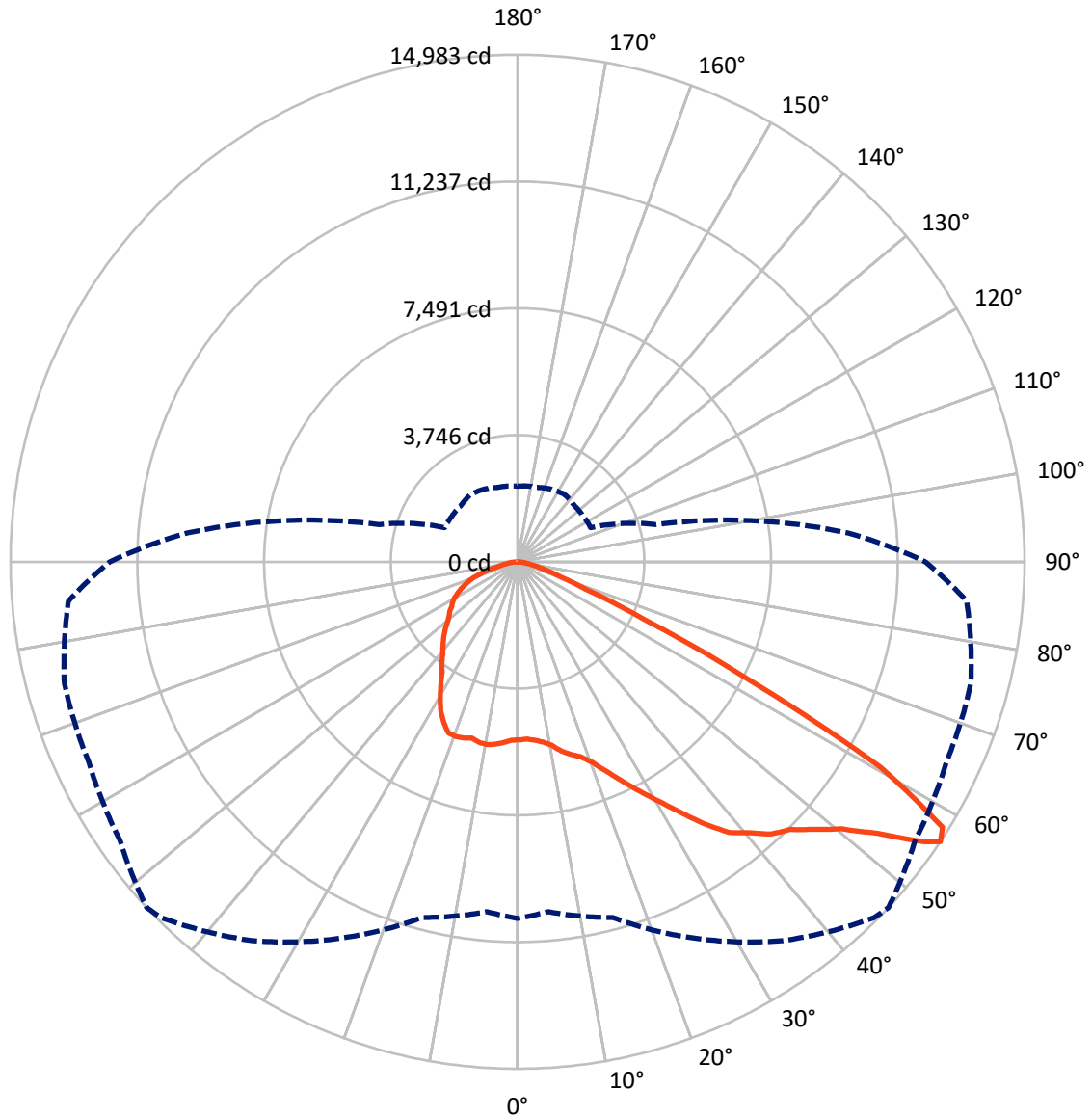
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

REPORT NUMBER: P531000
CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P531000
 CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8302.2	0.0	8302.2
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	17896.8	0.0	17896.8
	% Fixture	68.3	0.0	68.3
Total	Lumens	26199.0	0.0	26199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.8	2.0
10°-20°	1617.5	6.2
20°-30°	2859.4	10.9
30°-40°	4294.7	16.4
40°-50°	5894.1	22.5
50°-60°	7022.0	26.8
60°-70°	3005.0	11.5
70°-80°	850.4	3.2
80°-90°	143.1	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°	26199.0	100.0
0°-180°	26199.0	100.0

Coefficient of Utilization

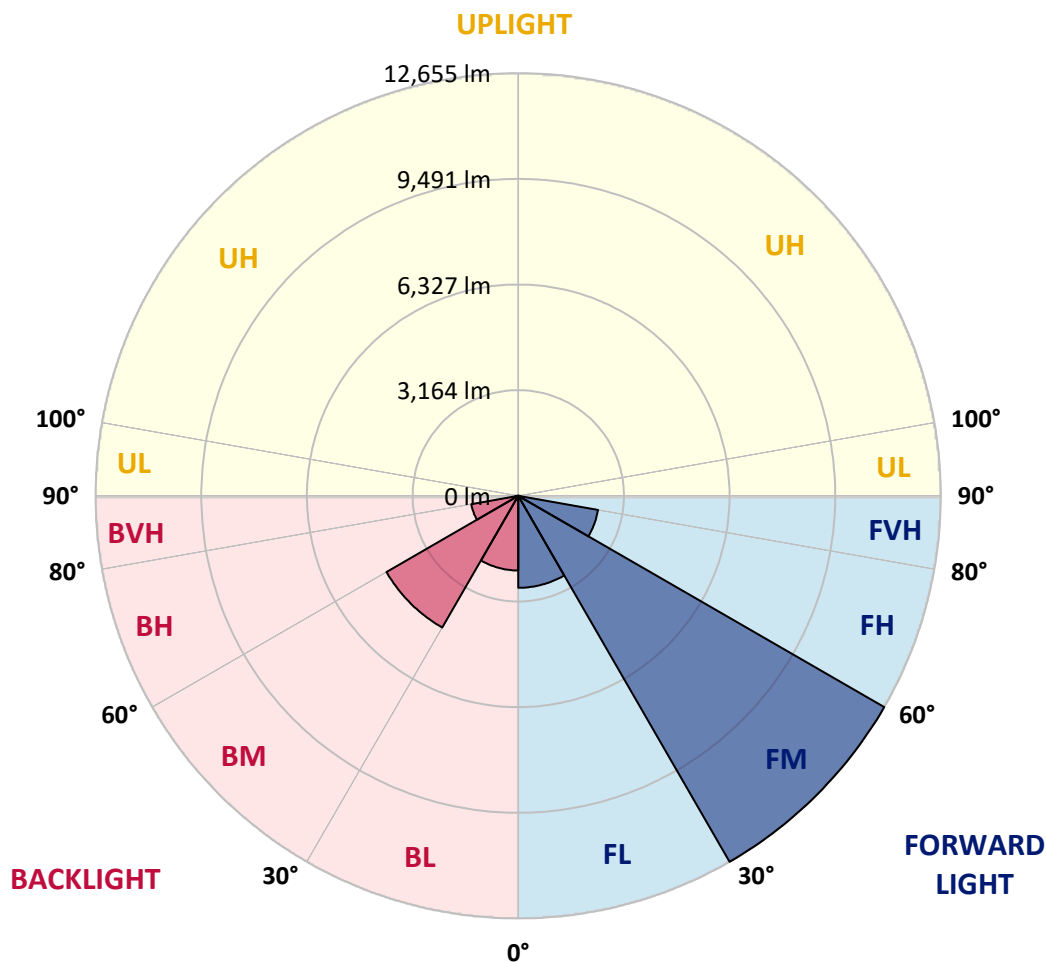


REPORT NUMBER: P531000
 CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2754.4	10.5			
FM (30°-60°)	12654.7	48.3			
FH (60°-80°)	2427.0	9.3			G2/5000
FVH (80°-90°)	60.7	0.2			G1/100
BL (0°-30°)	2235.3	8.5	B3/2500		
BM (30°-60°)	4556.1	17.4	B3/5000		
BH (60°-80°)	1428.4	5.5	B3/2500		G3/2500
BVH (80°-90°)	82.4	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-G3
 Type II Short





REPORT NUMBER: P531000

CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6
2.5°	5242.5	5232.5	5225.8	5279.3	5259.2	5262.6	5242.5	5262.6	5275.9	5245.9	5289.3
5°	5232.5	5262.6	5235.9	5252.6	5296.0	5282.6	5296.0	5336.1	5326.1	5316.0	5302.7
7.5°	5326.1	5329.4	5349.5	5356.1	5369.5	5356.1	5376.2	5412.9	5402.9	5346.1	5352.8
10°	5459.7	5466.4	5469.7	5506.5	5529.9	5533.2	5509.8	5476.4	5473.1	5549.9	5496.5
12.5°	5613.4	5596.7	5636.8	5650.2	5676.9	5707.0	5737.1	5666.9	5710.3	5713.7	5650.2
15°	5837.3	5854.0	5807.2	5807.2	5817.2	5820.6	5904.1	5870.7	5864.0	5827.3	5854.0
17.5°	6171.4	6057.8	6054.5	6007.7	6001.0	6027.7	6057.8	6084.5	6174.8	6101.3	5957.6
20°	6415.3	6442.1	6345.2	6288.4	6298.4	6358.5	6328.5	6448.8	6512.2	6392.0	6251.6
22.5°	6846.4	6756.2	6779.5	6652.6	6662.6	6726.1	6722.7	6846.4	6883.1	6692.7	6488.8
25°	7137.1	7113.7	7133.7	7033.5	7046.8	7097.0	7177.2	7381.0	7320.8	7110.3	6639.2
27.5°	7561.4	7514.6	7497.9	7461.2	7447.8	7581.5	7675.0	7892.2	7848.8	7541.4	6906.5
30°	7995.8	7965.7	7982.4	7832.1	7885.5	8169.5	8196.3	8493.6	8473.6	7932.3	7203.9
32.5°	8296.5	8313.2	8343.3	8259.7	8497.0	8724.2	8814.4	9151.9	9168.6	8603.9	7778.6
35°	8781.0	8724.2	8740.9	8837.8	8948.1	9362.4	9509.4	9733.3	9873.6	9308.9	8329.9
37.5°	9085.1	9145.2	9075.0	9228.7	9516.1	10013.9	10147.6	10378.1	10525.2	10003.9	9081.7
40°	9559.5	9462.6	9512.7	9623.0	9917.0	10565.3	10528.5	10765.7	10812.5	10595.3	9783.4
42.5°	10070.7	10024.0	9953.8	10204.4	10451.7	10922.8	10996.3	10886.0	11123.3	11173.4	10785.8
45°	10682.2	10739.0	10749.0	10755.7	10972.9	11383.9	11283.6	11186.7	11460.7	11824.9	11407.3
47.5°	11250.2	11069.8	11200.1	11380.5	11687.9	11691.3	11808.2	11577.7	11868.4	12192.5	11968.6
50°	11440.7	11353.8	11527.6	11868.4	12342.8	12393.0	12406.3	12078.9	12229.2	12486.5	12162.4
52.5°	11367.2	11337.1	11781.5	12309.4	13004.4	13258.4	13325.2	12920.9	13004.4	12887.5	12590.1
55°	11016.3	11106.6	11554.3	12630.2	13696.1	14481.3	14608.3	14097.0	13565.8	13656.0	13328.5
56°	10535.2	10378.1	10879.3	12266.0	13666.0	14878.9	14982.5	14344.3	13983.4	13866.5	13321.9
57.5°	8938.0	8734.2	9392.5	11036.4	12907.5	14728.6	14805.4	14447.9	13913.3	13676.0	12349.5
60°	5232.5	5332.8	6168.1	7611.5	9957.1	12075.5	12332.8	12593.4	12235.9	11173.4	9192.0
62.5°	2526.0	2462.6	3060.7	4363.8	6067.8	7708.4	7631.6	8363.3	8764.3	7939.0	5803.9
65°	1323.2	1316.5	1670.7	2382.4	3334.6	4049.7	4119.9	4514.1	5065.4	4089.8	2947.0
67.5°	972.3	999.1	1176.1	1674.0	2145.1	2188.6	2178.5	2375.7	2429.1	2054.9	1811.0
70°	761.8	775.2	905.5	1273.0	1597.2	1430.1	1400.0	1423.4	1580.4	1647.3	1567.1
72.5°	551.3	564.7	674.9	858.7	999.1	975.7	995.7	1126.0	1319.8	1390.0	1306.5
75°	367.5	377.6	437.7	524.6	591.4	638.2	674.9	825.3	1005.7	1045.8	1005.7
77.5°	253.9	264.0	304.1	370.9	377.6	407.6	421.0	491.2	601.4	651.6	624.8
80°	143.7	143.7	163.7	190.5	233.9	274.0	280.7	337.5	387.6	421.0	427.7
82.5°	66.8	70.2	86.9	116.9	153.7	190.5	197.1	233.9	270.6	304.1	314.1
85°	33.4	36.8	50.1	70.2	93.6	113.6	110.3	113.6	120.3	113.6	116.9
87.5°	10.0	10.0	13.4	16.7	13.4	16.7	16.7	20.0	23.4	26.7	30.1
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: P531000

CATALOG NUMBER: GALN-SA6B-730-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6	5262.6
2.5°	5292.7	5302.7	5235.9	5299.3	5275.9	5272.6	5319.4	5312.7	5329.4	5322.7	5282.6
5°	5296.0	5272.6	5342.8	5279.3	5309.4	5372.8	5329.4	5429.6	5379.5	5412.9	5339.4
7.5°	5399.6	5406.3	5392.9	5419.6	5406.3	5436.3	5412.9	5436.3	5396.2	5399.6	5466.4
10°	5489.8	5469.7	5493.1	5459.7	5483.1	5473.1	5419.6	5402.9	5416.3	5399.6	5443.0
12.5°	5656.9	5620.1	5603.4	5563.3	5536.6	5436.3	5352.8	5306.0	5369.5	5379.5	5359.5
15°	5827.3	5830.6	5753.8	5663.5	5496.5	5346.1	5366.2	5382.9	5382.9	5409.6	5359.5
17.5°	5934.2	5934.2	5864.0	5683.6	5513.2	5426.3	5406.3	5352.8	5306.0	5299.3	5296.0
20°	6121.3	6064.5	5904.1	5680.2	5506.5	5466.4	5316.0	5189.1	5092.2	5058.8	5055.4
22.5°	6335.1	6191.5	5967.6	5686.9	5496.5	5439.7	5159.0	4968.5	4794.8	4721.3	4731.3
25°	6532.3	6301.7	6004.4	5656.9	5459.7	5185.7	4871.6	4607.7	4427.3	4367.1	4337.0
27.5°	6669.3	6418.7	6004.4	5683.6	5322.7	4901.7	4581.0	4243.5	4086.4	4046.3	4053.0
30°	6853.1	6565.7	6107.9	5626.8	5048.7	4534.2	4149.9	3929.4	3835.8	3802.4	3825.8
32.5°	7284.1	6950.0	6251.6	5489.8	4724.6	4166.6	3855.9	3732.3	3595.3	3528.4	3505.0
35°	7751.9	7314.2	6392.0	5259.2	4360.4	3832.5	3638.7	3525.1	3361.4	3287.9	3301.2
37.5°	8413.5	7781.9	6402.0	4878.3	3966.1	3645.4	3468.3	3291.2	3157.5	3043.9	3010.5
40°	9305.6	8420.1	6378.6	4477.4	3648.7	3424.9	3294.5	3074.0	2923.7	2843.5	2860.2
42.5°	10090.8	9168.6	6281.7	4023.0	3361.4	3274.5	3127.5	2910.3	2763.3	2679.7	2673.1
45°	10752.4	9719.9	6097.9	3635.4	3120.8	3107.4	2937.0	2770.0	2653.0	2576.2	2609.6
47.5°	11363.8	10164.3	5820.6	3247.8	2900.3	2927.0	2763.3	2659.7	2586.2	2516.0	2512.7
50°	11584.4	10157.6	5576.7	2927.0	2723.2	2709.8	2703.1	2592.9	2516.0	2455.9	2482.6
52.5°	11951.9	10271.2	5312.7	2706.5	2562.8	2566.1	2589.5	2509.3	2422.5	2385.7	2419.1
55°	12479.8	10287.9	4731.3	2449.2	2429.1	2452.5	2452.5	2399.1	2325.6	2295.5	2278.8
56°	12048.8	9790.1	4243.5	2382.4	2362.3	2362.3	2425.8	2365.7	2275.4	2252.1	2232.0
57.5°	11113.2	8577.2	3551.8	2302.2	2272.1	2318.9	2352.3	2288.8	2205.3	2171.9	2191.9
60°	7665.0	5803.9	2669.7	2128.4	2128.4	2205.3	2232.0	2138.4	2101.7	2098.4	2071.6
62.5°	4474.0	3381.4	2088.3	1971.4	1978.1	2041.5	2061.6	2008.1	1961.4	2018.2	2044.9
65°	2372.3	2018.2	1790.9	1804.3	1807.7	1857.8	1944.6	1941.3	1938.0	1954.7	1958.0
67.5°	1717.4	1677.3	1627.2	1613.9	1620.5	1657.3	1744.2	1811.0	1807.7	1767.6	1737.5
70°	1530.3	1473.5	1443.5	1446.8	1420.1	1463.5	1533.7	1577.1	1500.3	1453.5	1433.4
72.5°	1273.0	1256.3	1236.3	1239.6	1186.2	1176.1	1096.0	1096.0	1075.9	1062.5	1085.9
75°	972.3	965.6	975.7	959.0	902.2	842.0	795.2	751.8	685.0	658.2	644.9
77.5°	614.8	634.9	658.2	621.5	598.1	554.7	507.9	464.4	411.0	380.9	380.9
80°	417.7	434.4	451.1	444.4	417.7	377.6	340.8	294.0	257.3	233.9	230.6
82.5°	317.4	330.8	354.2	327.4	300.7	267.3	237.2	203.8	170.4	143.7	143.7
85°	113.6	130.3	143.7	157.0	167.1	170.4	147.0	120.3	96.9	76.9	73.5
87.5°	30.1	33.4	36.8	33.4	33.4	33.4	36.8	33.4	30.1	23.4	23.4
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)