

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: P528166

Luminaire Tested: **GALN-SA3B-727-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528166
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-SA3B-727-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 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: 12111 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

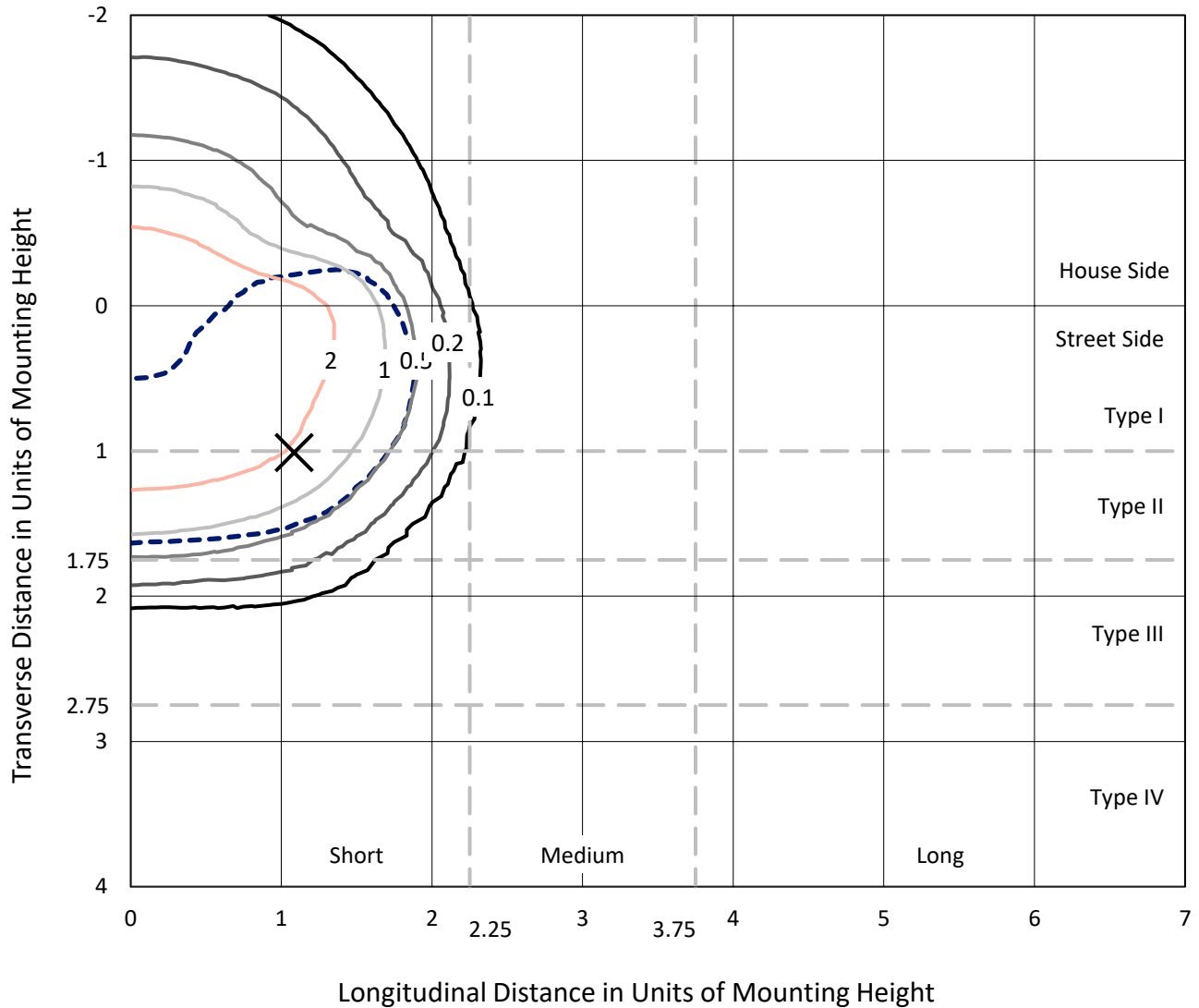
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528166
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

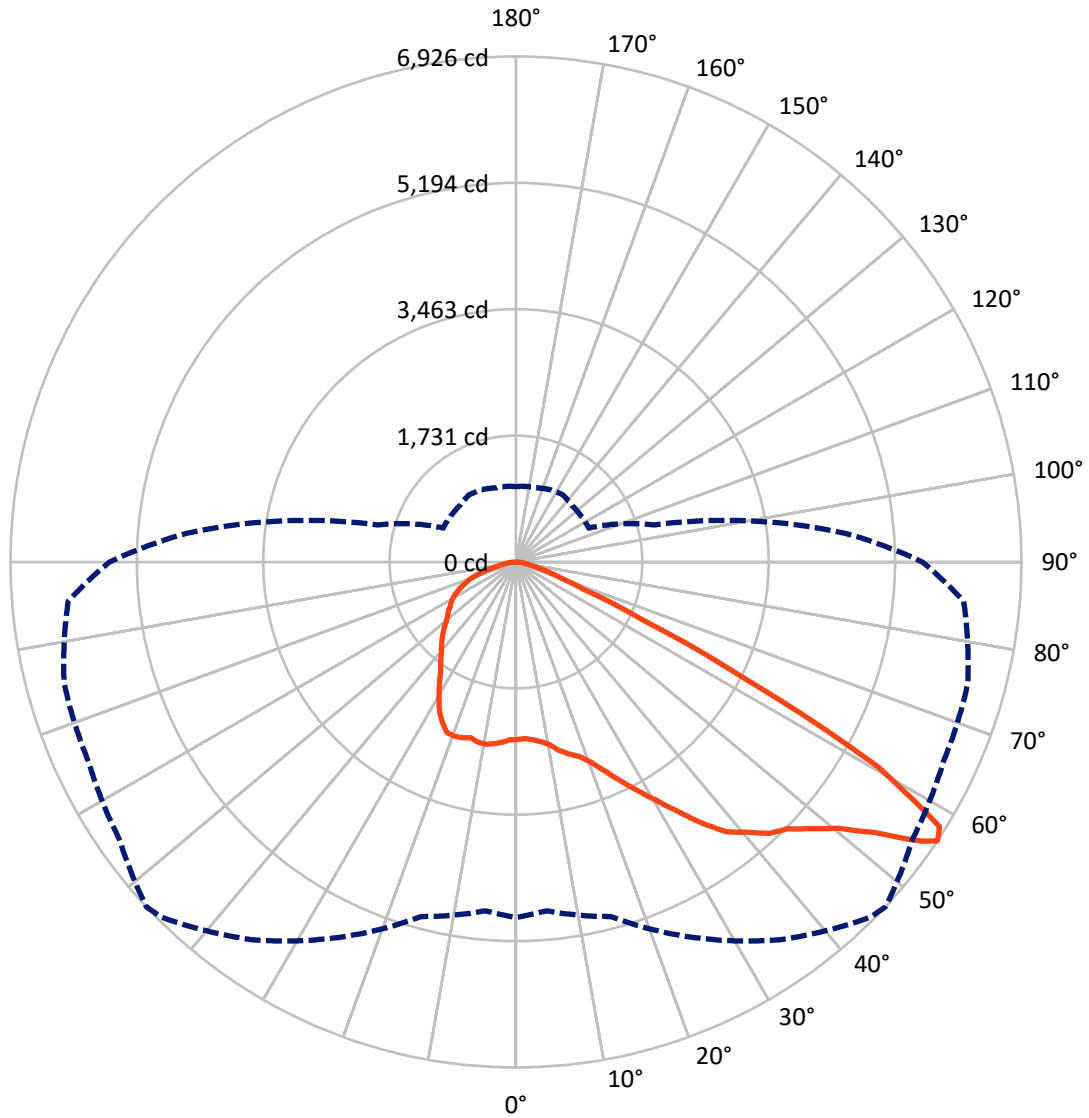
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

REPORT NUMBER: P528166
CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P528166
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

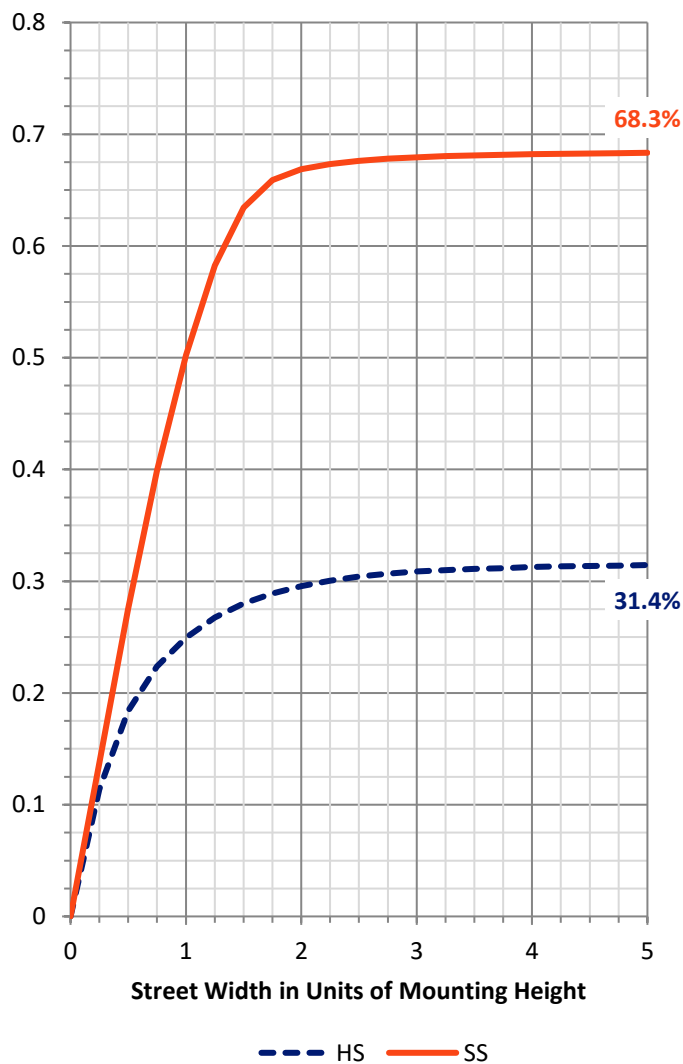
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3837.8	0.0	3837.8
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	8273.2	0.0	8273.2
	% Fixture	68.3	0.0	68.3
Total	Lumens	12111.0	0.0	12111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.0	2.0
10°-20°	747.7	6.2
20°-30°	1321.8	10.9
30°-40°	1985.3	16.4
40°-50°	2724.7	22.5
50°-60°	3246.1	26.8
60°-70°	1389.1	11.5
70°-80°	393.1	3.2
80°-90°	66.2	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°	12111.0	100.0
0°-180°	12111.0	100.0

Coefficient of Utilization

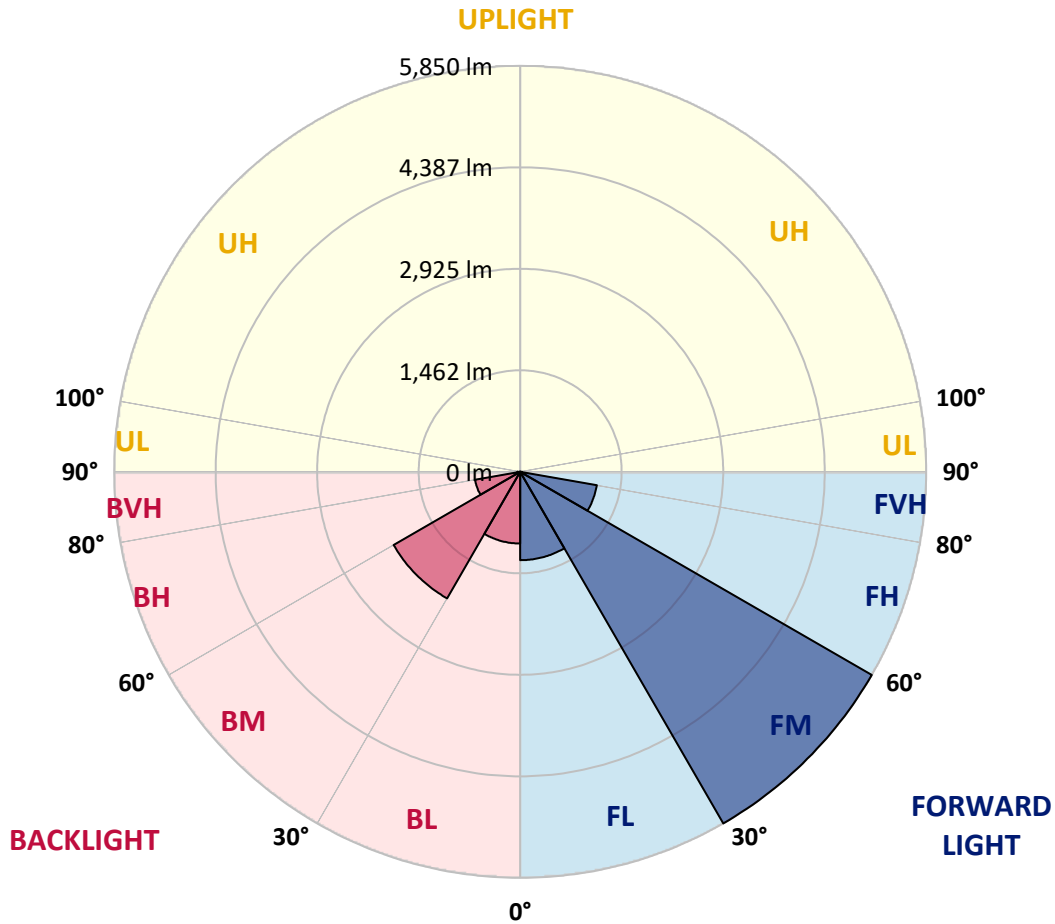


REPORT NUMBER: P528166
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1273.3	10.5			
FM (30°-60°)	5849.9	48.3			
FH (60°-80°)	1121.9	9.3			G1/1800
FVH (80°-90°)	28.1	0.2			G1/100
BL (0°-30°)	1033.3	8.5	B3/2500		
BM (30°-60°)	2106.1	17.4	B2/2500		
BH (60°-80°)	660.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	38.1	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: P528166

CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2423.5	2418.8	2415.7	2440.5	2431.2	2432.7	2423.5	2432.7	2438.9	2425.0	2445.1
5°	2418.8	2432.7	2420.4	2428.1	2448.2	2442.0	2448.2	2466.7	2462.1	2457.4	2451.3
7.5°	2462.1	2463.6	2472.9	2476.0	2482.2	2476.0	2485.2	2502.2	2497.6	2471.3	2474.4
10°	2523.9	2527.0	2528.5	2545.5	2556.3	2557.8	2547.0	2531.6	2530.0	2565.6	2540.9
12.5°	2594.9	2587.2	2605.7	2611.9	2624.3	2638.2	2652.1	2619.6	2639.7	2641.3	2611.9
15°	2698.4	2706.1	2684.5	2684.5	2689.1	2690.7	2729.3	2713.8	2710.8	2693.8	2706.1
17.5°	2852.9	2800.3	2798.8	2777.2	2774.1	2786.4	2800.3	2812.7	2854.4	2820.4	2754.0
20°	2965.6	2978.0	2933.2	2906.9	2911.6	2939.4	2925.5	2981.1	3010.4	2954.8	2889.9
22.5°	3164.9	3123.2	3134.0	3075.3	3079.9	3109.3	3107.7	3164.9	3181.9	3093.8	2999.6
25°	3299.2	3288.4	3297.7	3251.4	3257.5	3280.7	3317.8	3412.0	3384.2	3286.9	3069.1
27.5°	3495.4	3473.8	3466.1	3449.1	3442.9	3504.7	3547.9	3648.3	3628.2	3486.1	3192.7
30°	3696.2	3682.3	3690.0	3620.5	3645.2	3776.5	3788.9	3926.4	3917.1	3666.9	3330.1
32.5°	3835.2	3842.9	3856.8	3818.2	3927.9	4032.9	4074.6	4230.6	4238.4	3977.3	3595.8
35°	4059.2	4032.9	4040.7	4085.4	4136.4	4327.9	4395.9	4499.4	4564.3	4303.2	3850.7
37.5°	4199.7	4227.5	4195.1	4266.2	4399.0	4629.1	4690.9	4797.5	4865.5	4624.5	4198.2
40°	4419.1	4374.3	4397.5	4448.4	4584.3	4884.0	4867.0	4976.7	4998.3	4897.9	4522.6
42.5°	4655.4	4633.8	4601.3	4717.2	4831.5	5049.3	5083.3	5032.3	5141.9	5165.1	4985.9
45°	4938.1	4964.3	4969.0	4972.0	5072.4	5262.4	5216.1	5171.3	5297.9	5466.3	5273.2
47.5°	5200.6	5117.2	5177.5	5260.9	5403.0	5404.5	5458.6	5352.0	5486.4	5636.2	5532.7
50°	5288.7	5248.5	5328.8	5486.4	5705.7	5728.9	5735.1	5583.7	5653.2	5772.1	5622.3
52.5°	5254.7	5240.8	5446.2	5690.3	6011.6	6128.9	6159.8	5972.9	6011.6	5957.5	5820.0
55°	5092.5	5134.2	5341.2	5838.6	6331.3	6694.3	6753.0	6516.6	6271.0	6312.7	6161.4
56°	4870.1	4797.5	5029.2	5670.2	6317.4	6878.1	6925.9	6630.9	6464.1	6410.1	6158.3
57.5°	4131.8	4037.6	4341.8	5101.8	5966.8	6808.6	6844.1	6678.8	6431.7	6322.0	5708.8
60°	2418.8	2465.2	2851.3	3518.6	4602.9	5582.2	5701.1	5821.6	5656.3	5165.1	4249.2
62.5°	1167.7	1138.4	1414.8	2017.2	2805.0	3563.4	3527.8	3866.1	4051.5	3669.9	2683.0
65°	611.7	608.6	772.3	1101.3	1541.5	1872.0	1904.5	2086.7	2341.6	1890.6	1362.3
67.5°	449.5	461.8	543.7	773.8	991.6	1011.7	1007.1	1098.2	1122.9	949.9	837.2
70°	352.2	358.3	418.6	588.5	738.3	661.1	647.2	658.0	730.6	761.5	724.4
72.5°	254.9	261.0	312.0	397.0	461.8	451.0	460.3	520.5	610.1	642.6	603.9
75°	169.9	174.5	202.3	242.5	273.4	295.0	312.0	381.5	464.9	483.5	464.9
77.5°	117.4	122.0	140.6	171.4	174.5	188.4	194.6	227.1	278.0	301.2	288.8
80°	66.4	66.4	75.7	88.0	108.1	126.7	129.7	156.0	179.2	194.6	197.7
82.5°	30.9	32.4	40.2	54.1	71.1	88.0	91.1	108.1	125.1	140.6	145.2
85°	15.4	17.0	23.2	32.4	43.2	52.5	51.0	52.5	55.6	52.5	54.1
87.5°	4.6	4.6	6.2	7.7	6.2	7.7	7.7	9.3	10.8	12.4	13.9
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: P528166

CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7	2432.7
2.5°	2446.6	2451.3	2420.4	2449.7	2438.9	2437.4	2459.0	2455.9	2463.6	2460.5	2442.0
5°	2448.2	2437.4	2469.8	2440.5	2454.4	2483.7	2463.6	2510.0	2486.8	2502.2	2468.3
7.5°	2496.1	2499.1	2493.0	2505.3	2499.1	2513.1	2502.2	2513.1	2494.5	2496.1	2527.0
10°	2537.8	2528.5	2539.3	2523.9	2534.7	2530.0	2505.3	2497.6	2503.8	2496.1	2516.1
12.5°	2615.0	2598.0	2590.3	2571.7	2559.4	2513.1	2474.4	2452.8	2482.2	2486.8	2477.5
15°	2693.8	2695.3	2659.8	2618.1	2540.9	2471.3	2480.6	2488.3	2488.3	2500.7	2477.5
17.5°	2743.2	2743.2	2710.8	2627.4	2548.6	2508.4	2499.1	2474.4	2452.8	2449.7	2448.2
20°	2829.7	2803.4	2729.3	2625.8	2545.5	2527.0	2457.4	2398.8	2354.0	2338.5	2337.0
22.5°	2928.5	2862.1	2758.6	2628.9	2540.9	2514.6	2384.8	2296.8	2216.5	2182.5	2187.1
25°	3019.7	2913.1	2775.6	2615.0	2523.9	2397.2	2252.0	2130.0	2046.6	2018.8	2004.9
27.5°	3083.0	2967.2	2775.6	2627.4	2460.5	2265.9	2117.6	1961.6	1889.0	1870.5	1873.6
30°	3168.0	3035.1	2823.5	2601.1	2333.9	2096.0	1918.4	1816.4	1773.2	1757.7	1768.6
32.5°	3367.2	3212.8	2889.9	2537.8	2184.1	1926.1	1782.5	1725.3	1662.0	1631.1	1620.3
35°	3583.5	3381.1	2954.8	2431.2	2015.7	1771.6	1682.1	1629.5	1553.9	1519.9	1526.1
37.5°	3889.3	3597.4	2959.4	2255.1	1833.4	1685.1	1603.3	1521.4	1459.6	1407.1	1391.7
40°	4301.7	3892.4	2948.6	2069.8	1686.7	1583.2	1523.0	1421.0	1351.5	1314.4	1322.2
42.5°	4664.7	4238.4	2903.8	1859.7	1553.9	1513.7	1445.7	1345.3	1277.4	1238.8	1235.7
45°	4970.5	4493.2	2818.9	1680.5	1442.6	1436.5	1357.7	1280.5	1226.4	1190.9	1206.3
47.5°	5253.2	4698.6	2690.7	1501.3	1340.7	1353.1	1277.4	1229.5	1195.5	1163.1	1161.5
50°	5355.1	4695.6	2577.9	1353.1	1258.8	1252.7	1249.6	1198.6	1163.1	1135.3	1147.6
52.5°	5525.0	4748.1	2455.9	1251.1	1184.7	1186.2	1197.1	1160.0	1119.8	1102.8	1118.3
55°	5769.1	4755.8	2187.1	1132.2	1122.9	1133.7	1133.7	1109.0	1075.0	1061.1	1053.4
56°	5569.8	4525.7	1961.6	1101.3	1092.0	1092.0	1121.4	1093.6	1051.9	1041.1	1031.8
57.5°	5137.3	3965.0	1641.9	1064.2	1050.3	1071.9	1087.4	1058.0	1019.4	1004.0	1013.3
60°	3543.3	2683.0	1234.1	983.9	983.9	1019.4	1031.8	988.5	971.5	970.0	957.6
62.5°	2068.2	1563.1	965.4	911.3	914.4	943.7	953.0	928.3	906.7	932.9	945.3
65°	1096.7	932.9	827.9	834.1	835.6	858.8	899.0	897.4	895.9	903.6	905.1
67.5°	793.9	775.4	752.2	746.0	749.1	766.1	806.3	837.2	835.6	817.1	803.2
70°	707.4	681.2	667.3	668.8	656.5	676.5	709.0	729.0	693.5	671.9	662.6
72.5°	588.5	580.8	571.5	573.0	548.3	543.7	506.6	506.6	497.4	491.2	502.0
75°	449.5	446.4	451.0	443.3	417.0	389.2	367.6	347.5	316.6	304.3	298.1
77.5°	284.2	293.5	304.3	287.3	276.5	256.4	234.8	214.7	190.0	176.1	176.1
80°	193.1	200.8	208.5	205.4	193.1	174.5	157.5	135.9	118.9	108.1	106.6
82.5°	146.7	152.9	163.7	151.4	139.0	123.6	109.7	94.2	78.8	66.4	66.4
85°	52.5	60.2	66.4	72.6	77.2	78.8	68.0	55.6	44.8	35.5	34.0
87.5°	13.9	15.4	17.0	15.4	15.4	15.4	17.0	15.4	13.9	10.8	10.8
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)