

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: P956974

Luminaire Tested: **GALN-SB9C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56009 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

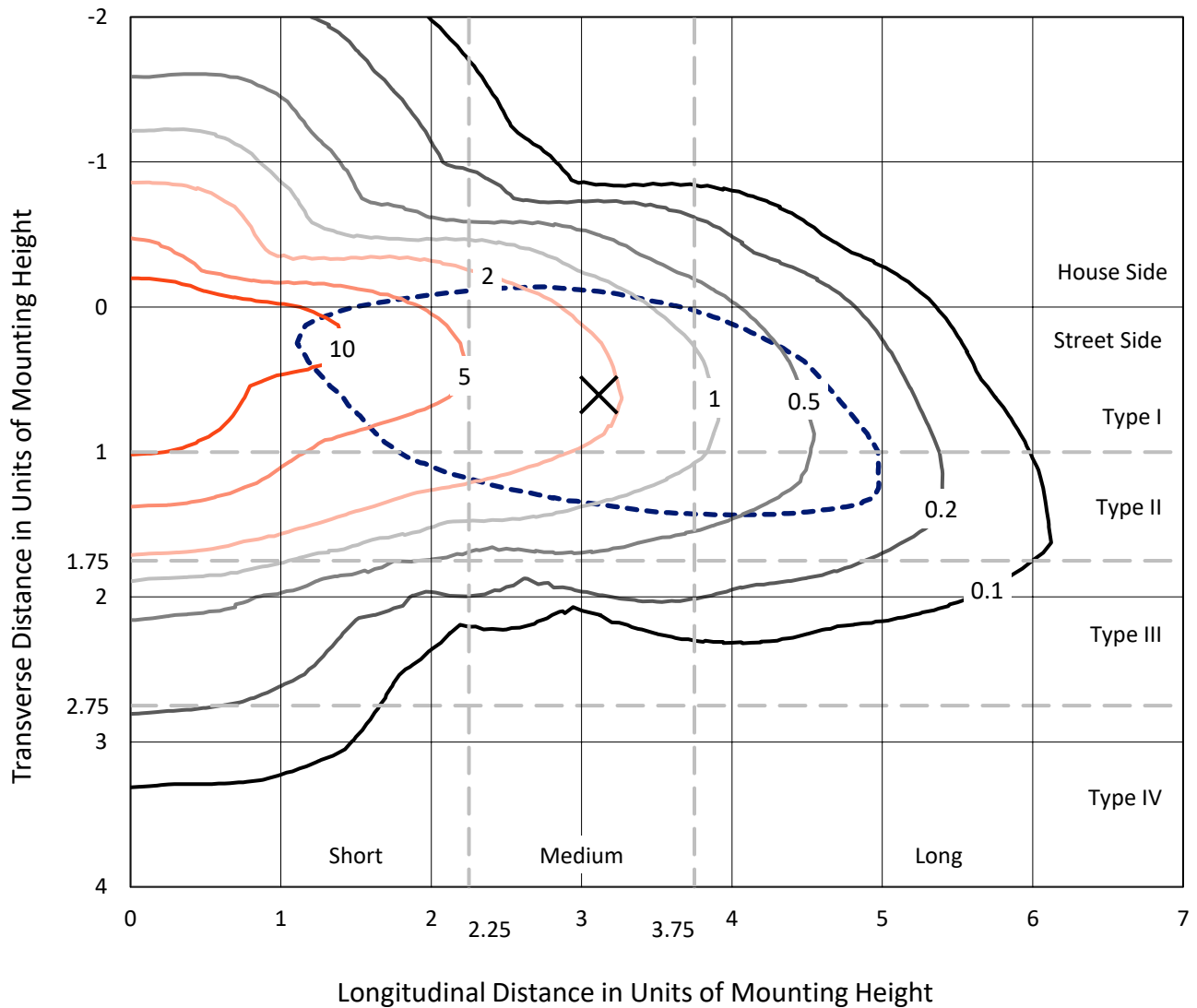
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

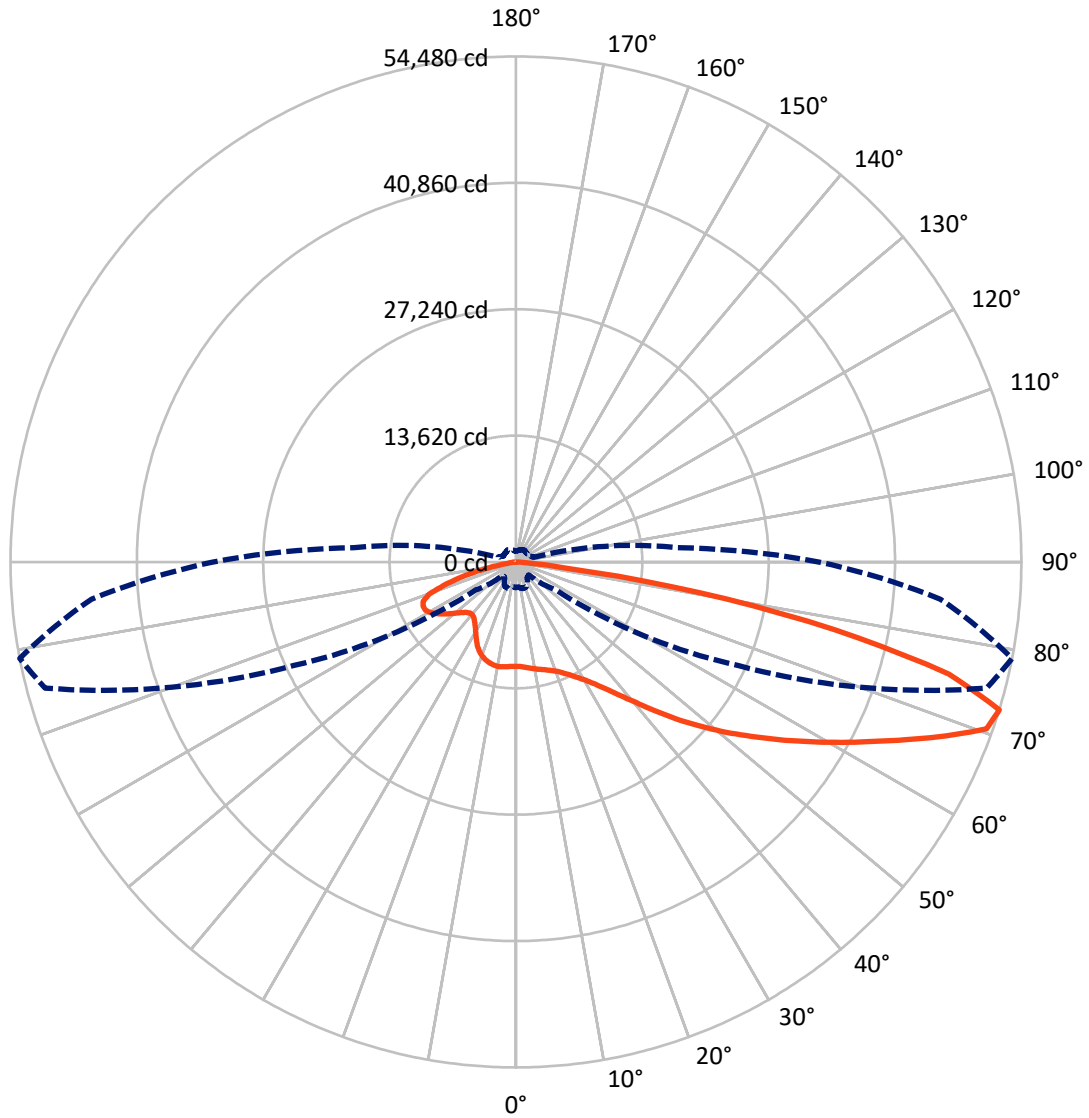
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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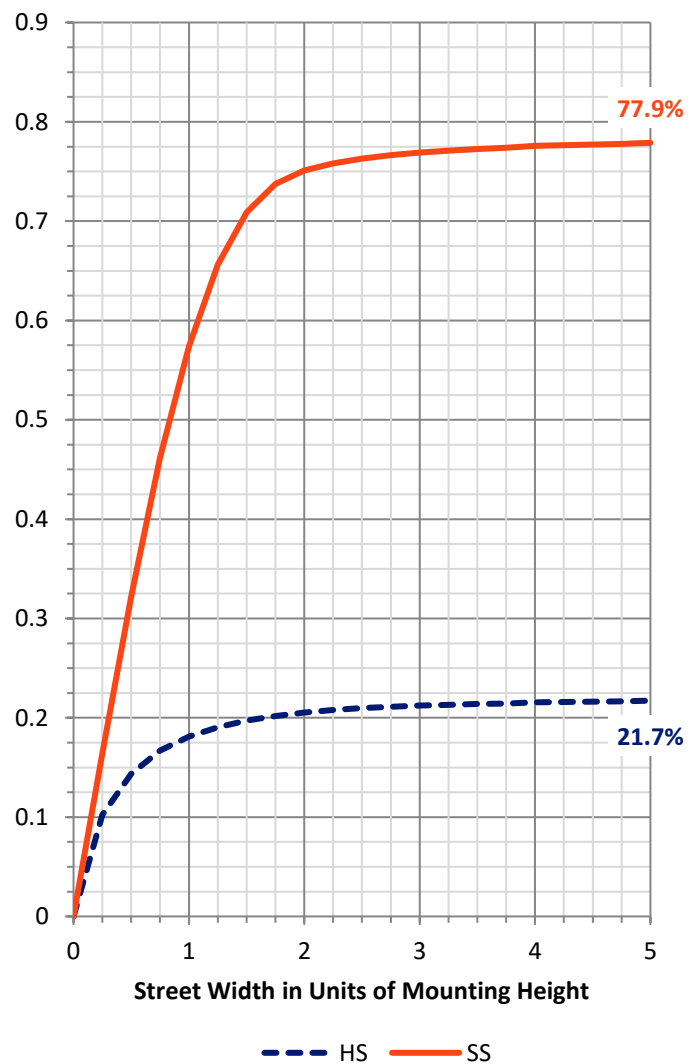
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12325.1	0.0	12325.1
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	43683.9	0.0	43683.9
	% Fixture	78.0	0.0	78.0
Total	Lumens	56009.0	0.0	56009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1020.6	1.8
10°-20°	2668.3	4.8
20°-30°	4305.5	7.7
30°-40°	6461.9	11.5
40°-50°	9166.6	16.4
50°-60°	11576.2	20.7
60°-70°	11757.2	21.0
70°-80°	8013.1	14.3
80°-90°	1039.6	1.9
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°	56009.0	100.0
0°-180°	56009.0	100.0

Coefficient of Utilization



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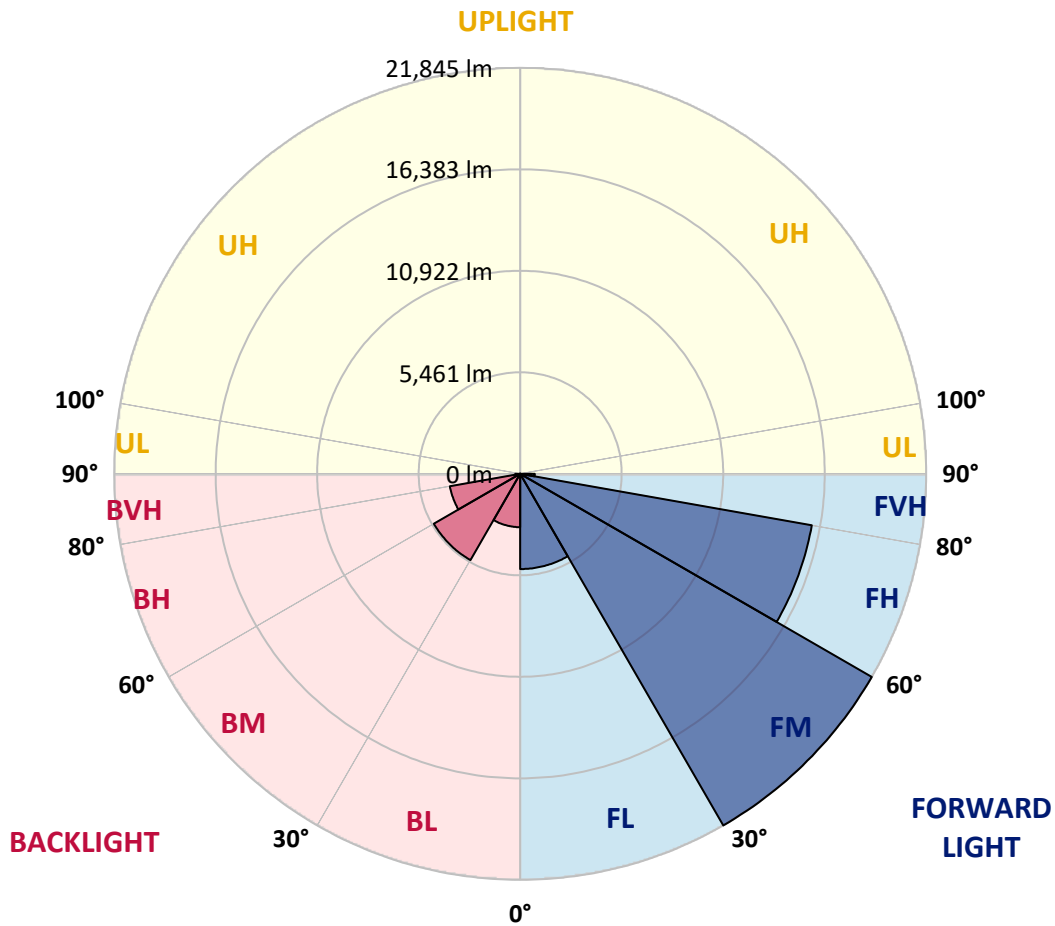
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5123.5	9.1			
FM (30°-60°)	21844.7	39.0			
FH (60°-80°)	15932.7	28.4			G5
FVH (80°-90°)	783.2	1.4			G5
BL (0°-30°)	2870.9	5.1	B4/5000		
BM (30°-60°)	5360.1	9.6	B4/8500		
BH (60°-80°)	3837.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	256.5	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3
2.5°	11249.2	11195.9	11228.5	11216.6	11231.4	11249.2	11255.1	11264.0	11293.6	11290.7	11287.7
5°	11225.5	11172.2	11216.6	11201.8	11240.3	11281.8	11317.3	11349.9	11397.3	11418.1	11388.4
7.5°	11175.1	11139.6	11184.0	11228.5	11299.6	11361.8	11412.1	11486.2	11554.4	11566.2	11586.9
10°	10881.8	10855.2	10958.9	11074.4	11269.9	11438.8	11548.4	11634.3	11708.4	11720.3	11749.9
12.5°	10576.7	10544.1	10659.6	10816.7	11133.7	11438.8	11669.9	11782.5	11847.7	11886.2	11930.6
15°	10526.3	10499.6	10564.8	10701.1	10964.8	11358.8	11752.9	11960.2	12016.5	12061.0	12078.7
17.5°	10769.2	10718.9	10745.5	10793.0	10947.0	11284.8	11818.0	12161.7	12247.6	12295.0	12295.0
20°	11332.2	11261.1	11219.6	11124.8	11098.1	11296.6	11812.1	12404.6	12517.2	12576.5	12591.3
22.5°	12081.7	12034.3	11945.4	11705.4	11444.7	11441.8	11924.7	12715.7	12926.1	12982.4	12946.8
25°	12988.3	12917.2	12804.6	12478.7	11978.0	11729.1	12114.3	13112.7	13465.3	13480.1	13376.4
27.5°	14031.1	13924.5	13770.4	13340.8	12665.3	12179.5	12404.6	13569.0	14084.5	14078.5	13865.2
30°	15130.3	15023.6	14860.7	14339.2	13489.0	12786.8	12807.6	14060.8	14819.2	14786.6	14422.2
32.5°	15933.2	15853.2	15820.6	15417.7	14437.0	13503.8	13269.7	14605.9	15725.8	15696.1	15186.6
35°	16549.4	16445.7	16484.2	16279.8	15471.0	14306.7	13835.6	15254.7	16827.9	16824.9	16190.9
37.5°	17159.7	17067.9	17100.4	16964.2	16427.9	15325.8	14525.9	16048.7	18193.7	18258.8	17405.6
40°	17716.7	17618.9	17749.3	17621.9	17171.5	16410.1	15311.0	16946.4	19775.7	19900.2	18875.1
42.5°	18051.5	17974.4	18190.7	18193.7	17817.4	17325.6	16173.1	17935.9	21606.6	21885.1	20682.3
45°	18167.0	18140.3	18466.2	18534.4	18389.2	17855.9	16949.3	19014.3	23579.8	24077.5	22741.3
47.5°	18042.6	17992.2	18442.5	18694.4	18809.9	18104.8	17592.2	20181.6	25594.4	26323.2	24987.0
50°	17414.5	17316.7	17986.3	18516.6	18928.4	18267.7	18241.1	21529.6	27884.5	28681.5	27244.6
52.5°	16285.7	16211.6	16973.0	17894.4	18667.7	18347.7	18969.9	23002.1	30059.1	31090.1	29558.4
55°	14842.9	14745.1	15583.6	16786.4	18018.9	18321.1	19698.7	24649.3	32624.8	33670.6	31949.3
57.5°	12555.7	12360.2	13420.8	14842.9	16961.2	18288.5	20457.1	26287.6	35231.9	36485.1	34500.1
60°	9219.8	8929.4	10230.0	11915.8	14893.3	17971.5	21396.3	28124.5	38360.5	39489.2	37285.0
62.5°	5368.3	5199.5	6049.7	7622.9	11225.5	16105.0	21923.6	30260.6	41435.7	42620.7	40022.5
65°	4168.5	4121.1	4195.1	4316.6	6248.2	12058.0	20297.1	32343.3	45346.4	46175.9	42875.5
67.5°	3812.9	3777.4	3810.0	3581.8	3170.0	6716.3	16057.6	32870.7	49535.6	50039.2	45373.1
70°	3389.3	3347.8	3454.5	3258.9	2494.6	3054.5	10375.2	30956.8	52868.6	53813.7	47272.1
72.5°	2761.2	2713.8	2962.7	2873.8	2100.5	1961.3	5211.3	26409.1	52519.0	54480.3	45912.3
75°	2121.3	2094.6	2390.9	2464.9	1712.4	1543.5	2500.5	19630.5	46217.4	48193.5	39569.2
77.5°	1647.2	1626.5	1777.6	2047.2	1380.6	1196.9	1537.6	12452.0	34829.0	35175.6	27268.3
80°	1235.4	1176.2	1315.4	1585.0	1075.4	874.0	1042.9	7261.5	22015.5	19956.4	11868.4
82.5°	773.3	743.6	859.2	1057.7	758.4	601.4	678.4	4011.4	8822.8	5196.5	2290.1
85°	441.4	429.6	468.1	604.4	411.8	346.6	388.1	1771.7	1611.7	1108.0	690.3
87.5°	177.8	171.8	213.3	269.6	151.1	127.4	136.3	426.6	355.5	328.9	228.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3	11243.3
2.5°	11275.9	11275.9	11234.4	11169.2	11095.1	11047.7	10970.7	10950.0	10870.0	10846.3	10884.8
5°	11412.1	11388.4	11261.1	11077.4	10825.5	10594.5	10339.7	10179.7	9954.5	9874.5	9933.8
7.5°	11584.0	11518.8	11299.6	10896.6	10369.3	9850.8	9311.6	8902.8	8511.7	8372.5	8390.2
10°	11741.0	11649.2	11275.9	10570.8	9658.3	8760.6	7901.4	7300.0	6843.7	6657.1	6698.6
12.5°	11898.0	11729.1	11118.8	10028.6	8648.0	7430.3	6514.9	6046.8	5765.3	5540.2	5614.2
15°	12046.2	11809.1	10875.9	9302.7	7540.0	6304.5	5629.0	5255.7	5030.6	4882.5	4909.1
17.5°	12218.0	11877.3	10511.5	8381.3	6485.3	5525.4	4974.3	4749.1	4704.7	4686.9	4698.8
20°	12458.0	11939.5	10031.5	7350.3	5709.0	4903.2	4618.8	4598.0	4595.1	4586.2	4615.8
22.5°	12715.7	12013.6	9397.5	6414.1	5048.4	4515.1	4464.7	4423.2	4396.6	4393.6	4426.2
25°	13020.9	12037.3	8603.5	5646.8	4485.5	4331.4	4272.1	4209.9	4192.2	4192.2	4209.9
27.5°	13317.1	11957.3	7679.2	4980.2	4168.5	4162.5	4085.5	4064.8	4061.8	4070.7	4094.4
30°	13613.4	11806.2	6760.8	4364.0	3984.8	3984.8	3958.1	3972.9	3984.8	4014.4	4035.1
32.5°	14013.4	11646.2	5993.5	3907.7	3824.8	3795.2	3821.8	3851.5	3863.3	3901.8	3934.4
35°	14600.0	11533.6	5383.1	3658.9	3658.9	3620.4	3635.2	3629.3	3602.6	3584.8	3626.3
37.5°	15376.2	11527.7	4879.5	3543.3	3519.6	3513.7	3516.7	3478.2	3374.5	3250.0	3253.0
40°	16309.4	11687.7	4491.4	3463.3	3445.6	3481.1	3463.3	3359.7	3075.2	2859.0	2853.0
42.5°	17562.6	12143.9	4242.5	3365.6	3418.9	3463.3	3392.2	3033.8	2841.2	2696.0	2690.1
45°	19038.0	12884.6	4115.1	3261.9	3368.5	3421.9	3078.2	2921.2	2767.1	2592.3	2580.5
47.5°	20709.0	13817.8	4085.5	3164.1	3256.0	3288.5	2944.9	2873.8	2699.0	2509.4	2494.6
50°	22528.0	14922.9	4165.5	3048.6	3093.0	2980.4	2900.4	2835.3	2654.5	2467.9	2447.2
52.5°	24409.3	16140.5	4325.5	2891.6	2930.1	2805.6	2882.7	2826.4	2627.9	2376.0	2358.3
55°	26258.0	17367.1	4479.5	2707.9	2764.2	2648.6	2832.3	2790.8	2506.4	2222.0	2207.2
57.5°	28136.3	18587.7	4630.6	2544.9	2604.2	2497.5	2752.3	2696.0	2370.1	2079.8	2073.9
60°	30088.7	19772.8	4701.7	2387.9	2429.4	2358.3	2630.8	2533.1	2216.1	1934.6	1925.7
62.5°	31916.7	20759.3	4586.2	2230.9	2257.5	2227.9	2470.9	2340.5	2062.0	1771.7	1768.7
65°	33750.6	21345.9	4230.7	2076.8	2082.7	2067.9	2245.7	2133.1	1881.3	1629.5	1611.7
67.5°	35412.6	21674.8	3664.8	1910.9	1896.1	1890.2	2035.3	1907.9	1706.5	1487.3	1469.5
70°	35765.2	20839.3	2799.7	1715.4	1715.4	1700.6	1804.3	1673.9	1513.9	1336.2	1330.2
72.5°	32666.2	17530.0	1987.9	1493.2	1516.9	1487.3	1573.2	1463.6	1318.4	1199.9	1164.3
75°	26341.0	12855.0	1445.8	1265.1	1306.5	1256.2	1336.2	1259.1	1134.7	1131.7	1019.2
77.5°	18098.9	7948.8	1048.8	1042.9	1072.5	1007.3	1099.1	1057.7	945.1	894.7	838.4
80°	7723.6	3170.0	764.4	805.8	805.8	746.6	853.2	865.1	767.3	743.6	743.6
82.5°	1537.6	900.6	536.2	554.0	521.4	503.7	604.4	669.6	924.3	1028.0	1031.0
85°	462.2	331.8	322.9	302.2	266.6	269.6	355.5	672.5	829.5	474.0	408.8
87.5°	127.4	83.0	85.9	68.1	56.3	74.1	121.5	509.6	278.5	118.5	100.7
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)