

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: P944152

Luminaire Tested: **GALN-SB9A-722-U-SL4**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

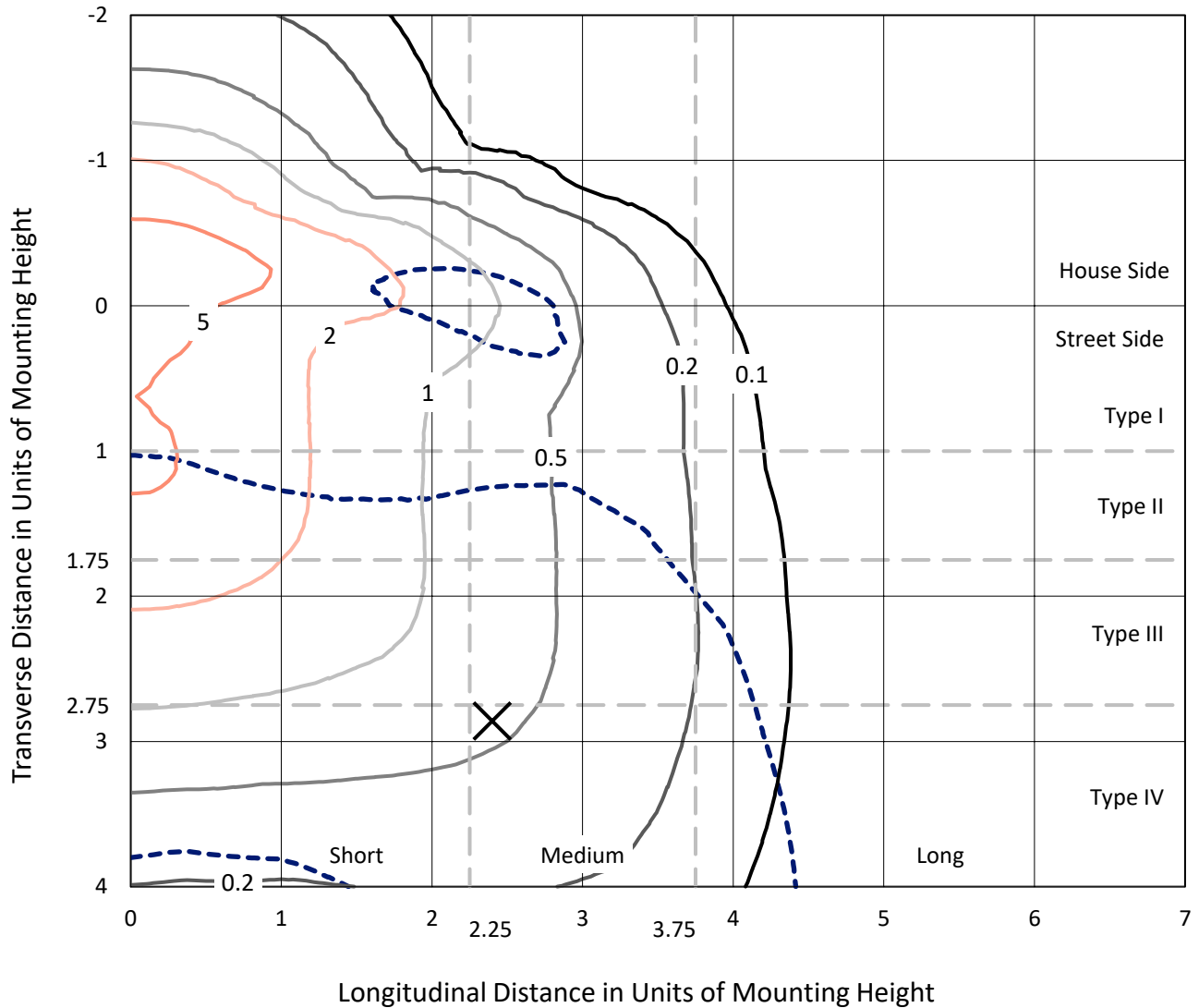
Lumens per Lamp: N/A  
Luminaire Lumens: 33457 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

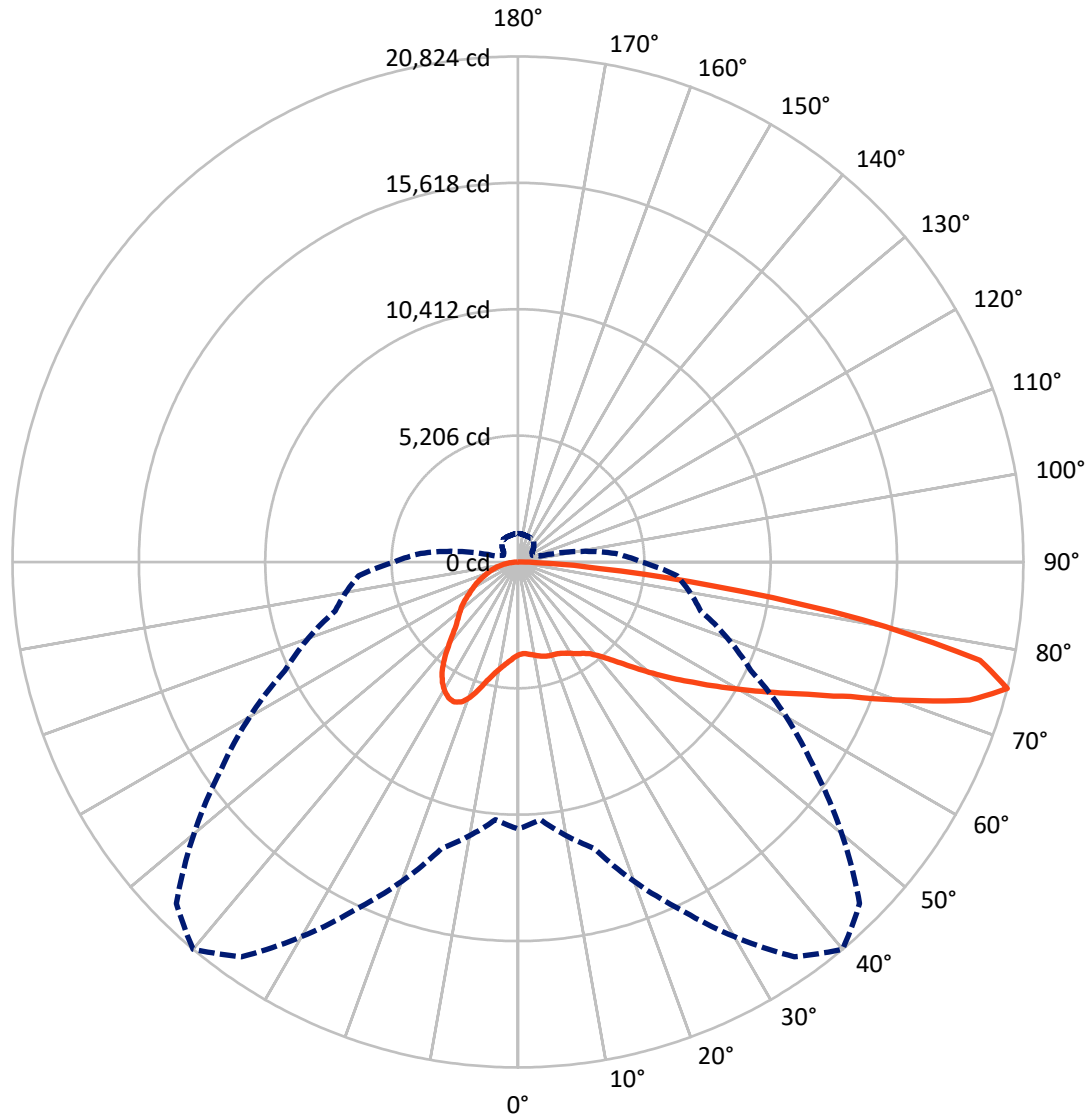
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10366.1	0.0	10366.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	23090.9	0.0	23090.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	33457.0	0.0	33457.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.9	1.1
10°-20°	1282.2	3.8
20°-30°	2341.2	7.0
30°-40°	3320.4	9.9
40°-50°	4483.6	13.4
50°-60°	6031.6	18.0
60°-70°	7655.5	22.9
70°-80°	6947.8	20.8
80°-90°	1012.8	3.0
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°	33457.0	100.0
0°-180°	33457.0	100.0



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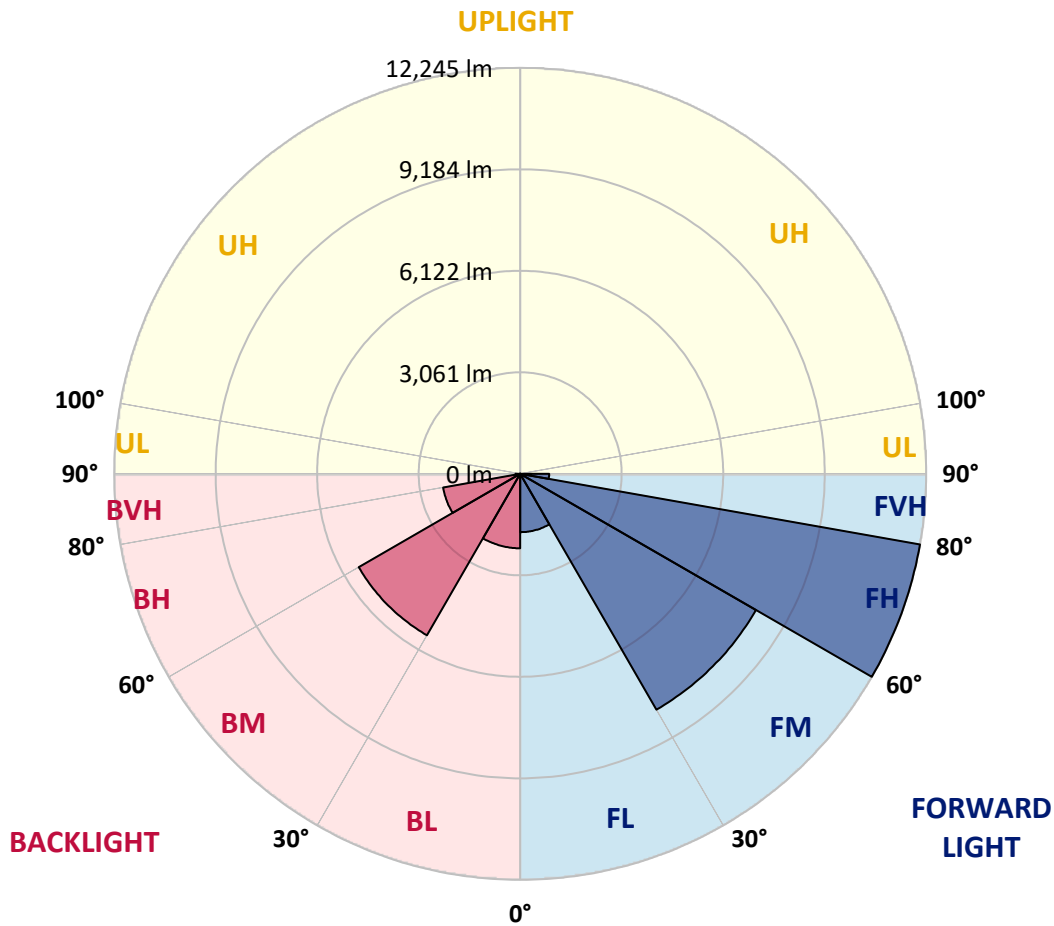
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1759.9	5.3			
FM (30°-60°)	8212.9	24.5			
FH (60°-80°)	12244.8	36.6			G5
FVH (80°-90°)	873.3	2.6			G5
BL (0°-30°)	2245.4	6.7	B3/2500		
BM (30°-60°)	5622.7	16.8	B4/8500		
BH (60°-80°)	2358.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	139.4	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9
2.5°	3767.3	3788.6	3783.3	3776.2	3776.2	3777.9	3776.2	3788.6	3801.0	3813.4	3833.0
5°	3806.3	3827.6	3817.0	3808.1	3801.0	3799.2	3793.9	3792.1	3799.2	3815.2	3841.8
7.5°	3882.6	3903.9	3888.0	3872.0	3857.8	3850.7	3843.6	3833.0	3827.6	3836.5	3873.8
10°	3967.8	3989.1	3969.6	3941.2	3918.1	3909.3	3902.2	3891.5	3884.4	3889.7	3930.5
12.5°	4053.0	4074.3	4047.7	4008.6	3978.5	3973.1	3964.3	3960.7	3958.9	3957.2	3998.0
15°	4132.8	4150.6	4116.9	4070.7	4038.8	4029.9	4021.0	4026.4	4035.2	4045.9	4092.0
17.5°	4195.0	4212.7	4163.0	4102.7	4072.5	4069.0	4063.6	4081.4	4106.2	4132.8	4189.6
20°	4251.7	4269.5	4205.6	4124.0	4088.5	4088.5	4090.3	4127.5	4163.0	4202.0	4280.1
22.5°	4331.6	4345.8	4267.7	4155.9	4104.5	4108.0	4122.2	4159.5	4203.8	4257.1	4365.3
25°	4450.5	4461.1	4365.3	4216.2	4157.7	4168.3	4180.8	4198.5	4241.1	4303.2	4448.7
27.5°	4642.1	4651.0	4525.0	4322.7	4234.0	4251.7	4269.5	4257.1	4276.6	4329.8	4516.1
30°	4911.9	4917.2	4757.5	4489.5	4363.5	4372.4	4376.0	4324.5	4287.2	4329.8	4564.1
32.5°	5231.3	5229.5	5039.6	4691.8	4510.8	4501.9	4471.8	4370.6	4283.7	4320.9	4606.6
35°	5726.4	5706.8	5462.0	4975.7	4677.6	4622.6	4551.6	4422.1	4301.4	4312.1	4643.9
37.5°	6546.2	6485.8	6146.9	5440.7	4926.1	4785.9	4681.2	4505.5	4340.5	4308.5	4688.3
40°	7470.7	7394.4	7021.8	6077.7	5298.7	5073.3	4904.8	4624.4	4404.3	4324.5	4753.9
42.5°	8567.4	8459.1	8058.1	6828.3	5770.7	5444.2	5190.5	4775.2	4498.4	4376.0	4842.6
45°	9914.2	9770.5	9202.6	7674.8	6365.2	5930.4	5591.5	5004.1	4642.1	4475.3	4975.7
47.5°	11275.3	11310.8	10503.3	8643.7	7078.5	6530.2	6093.7	5348.4	4851.5	4635.0	5190.5
50°	12721.5	12746.3	11797.0	9717.2	7887.7	7208.1	6658.0	5733.5	5142.5	4862.2	5511.6
52.5°	13850.1	13853.6	12971.7	10840.5	8730.6	7953.4	7266.6	6173.5	5479.7	5163.8	5939.3
55°	14556.3	14547.5	13795.1	11903.4	9699.5	8735.9	7941.0	6673.9	5891.4	5518.7	6477.0
57.5°	15069.2	15042.6	14362.9	12817.3	10732.3	9660.5	8704.0	7241.8	6377.6	5941.1	7185.0
60°	15264.4	15248.4	14748.0	13607.0	11818.3	10682.6	9584.2	7877.1	6929.5	6439.7	8095.3
62.5°	15338.9	15369.1	15126.0	14371.8	12980.6	11814.7	10551.3	8636.6	7550.6	7004.0	9055.3
65°	15601.5	15656.5	15606.9	15372.6	14293.7	13140.3	11834.2	9539.8	8228.4	7609.1	10057.9
67.5°	16121.5	16176.5	16197.8	16570.4	15897.9	14792.4	13434.8	10664.8	9021.6	8237.3	10812.1
70°	16109.0	16093.1	16469.3	17523.3	17906.6	17079.7	15592.7	12049.0	9967.4	8759.0	10907.9
72.5°	14662.8	14535.0	15424.1	17512.7	19578.2	19468.2	18227.8	13834.1	10783.7	8822.9	9465.3
75°	11000.2	10659.5	12230.0	15782.5	19856.8	20823.9	19903.0	14941.4	10590.3	7795.4	6587.0
77.5°	4704.2	4361.8	6212.6	11683.4	17771.8	19466.4	18366.2	13035.6	8453.8	5155.0	3234.9
80°	1231.5	1229.7	1877.4	5296.9	12086.2	14375.3	12611.5	8418.3	4830.2	1841.9	892.6
82.5°	509.3	496.9	690.3	2060.2	5905.6	8066.9	6583.4	3754.9	1744.3	498.6	296.3
85°	189.9	188.1	335.4	711.6	2083.3	3327.2	2408.0	960.0	434.8	243.1	133.1
87.5°	53.2	51.5	72.8	246.7	507.5	770.1	411.7	157.9	122.4	95.8	39.0
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°	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9	3825.9
2.5°	3838.3	3847.1	3863.1	3875.5	3891.5	3909.3	3934.1	3950.1	3966.0	3976.7	3969.6
5°	3854.2	3873.8	3914.6	3955.4	4003.3	4047.7	4099.1	4136.4	4166.6	4175.4	4179.0
7.5°	3889.7	3921.7	3990.9	4060.1	4136.4	4209.1	4283.7	4347.6	4399.0	4418.5	4420.3
10°	3951.8	3994.4	4092.0	4189.6	4290.8	4402.6	4498.4	4590.7	4663.4	4693.6	4695.4
12.5°	4029.9	4083.2	4210.9	4345.8	4486.0	4640.4	4764.6	4878.1	4968.6	5009.5	5009.5
15°	4131.1	4200.3	4363.5	4544.5	4750.4	4965.1	5123.0	5249.0	5350.2	5399.8	5396.3
17.5°	4241.1	4333.4	4539.2	4812.5	5107.1	5389.2	5573.7	5666.0	5770.7	5818.6	5816.9
20°	4347.6	4461.1	4755.7	5153.2	5545.4	5845.2	5994.3	6019.2	6026.3	6031.6	6045.8
22.5°	4457.6	4610.2	5027.2	5582.6	6003.2	6210.8	6232.1	6125.6	5976.6	5907.4	5926.9
25°	4578.2	4780.5	5382.1	6056.4	6397.1	6422.0	6258.7	5999.6	5717.5	5587.9	5607.5
27.5°	4695.4	4977.5	5808.0	6508.9	6681.0	6462.8	6111.4	5744.1	5403.4	5266.8	5282.7
30°	4812.5	5202.9	6278.2	6904.6	6810.6	6361.6	5879.0	5469.1	5126.6	4982.8	4998.8
32.5°	4931.4	5465.5	6819.5	7190.3	6787.5	6146.9	5589.7	5160.3	4858.6	4707.8	4727.3
35°	5066.2	5788.5	7332.3	7346.5	6633.1	5831.1	5208.2	4791.2	4528.6	4407.9	4434.5
37.5°	5241.9	6198.4	7784.8	7385.5	6363.4	5367.9	4734.4	4354.7	4138.2	4083.2	4122.2
40°	5460.2	6691.7	8130.8	7323.4	5964.1	4805.4	4216.2	3912.8	3790.4	3802.8	3845.4
42.5°	5744.1	7243.6	8373.9	7163.7	5408.7	4225.1	3762.0	3627.1	3685.7	3735.4	3781.5
45°	6113.2	7816.7	8524.8	6892.2	4780.5	3733.6	3494.0	3526.0	3570.3	3575.6	3611.1
47.5°	6585.2	8397.0	8624.1	6482.3	4139.9	3387.5	3323.7	3330.8	3321.9	3284.6	3313.0
50°	7174.4	8961.3	8712.9	5939.3	3595.2	3171.1	3085.9	3061.0	2938.6	2817.9	2833.9
52.5°	7845.1	9479.5	8750.1	5265.0	3171.1	2990.1	2851.6	2695.5	2466.6	2429.3	2441.7
55°	8590.4	9958.6	8654.3	4436.3	2814.4	2757.6	2548.2	2360.1	2335.3	2303.3	2308.6
57.5°	9481.2	10475.0	8459.1	3511.8	2448.8	2486.1	2282.0	2303.3	2259.0	2209.3	2200.4
60°	10455.4	11009.1	8116.6	2668.9	2070.9	2147.2	2212.8	2211.0	2198.6	2157.8	2143.6
62.5°	11332.0	11360.4	7442.3	2044.2	1739.0	1884.5	2063.8	2062.0	2051.3	2028.3	2019.4
65°	11853.8	11307.2	6317.3	1609.5	1465.7	1668.0	1861.5	1875.7	1877.4	1875.7	1875.7
67.5°	11761.5	10684.3	4773.4	1281.2	1240.4	1448.0	1660.9	1680.5	1694.7	1698.2	1701.8
70°	10718.1	9316.2	3112.5	1022.1	1039.9	1254.6	1471.1	1490.6	1503.0	1517.2	1524.3
72.5°	8354.4	6849.6	1781.6	826.9	864.2	1087.8	1283.0	1306.0	1313.1	1339.8	1350.4
75°	5091.1	4028.1	961.8	651.2	709.8	929.8	1096.6	1123.3	1135.7	1167.6	1171.2
77.5°	2420.4	1744.3	548.3	507.5	571.4	759.5	926.3	956.5	922.7	940.5	926.3
80°	818.1	647.7	346.0	386.8	436.5	592.7	741.7	771.9	700.9	697.4	690.3
82.5°	285.7	262.6	220.0	257.3	282.1	424.1	560.7	599.8	521.7	519.9	495.1
85°	111.8	106.5	122.4	140.2	168.6	260.9	369.1	388.6	321.2	259.1	255.5
87.5°	23.1	24.8	30.2	31.9	51.5	90.5	133.1	163.3	129.5	110.0	101.1
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)