

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: P951274

Luminaire Tested: **GALN-SB5C-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32083 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 249.5
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

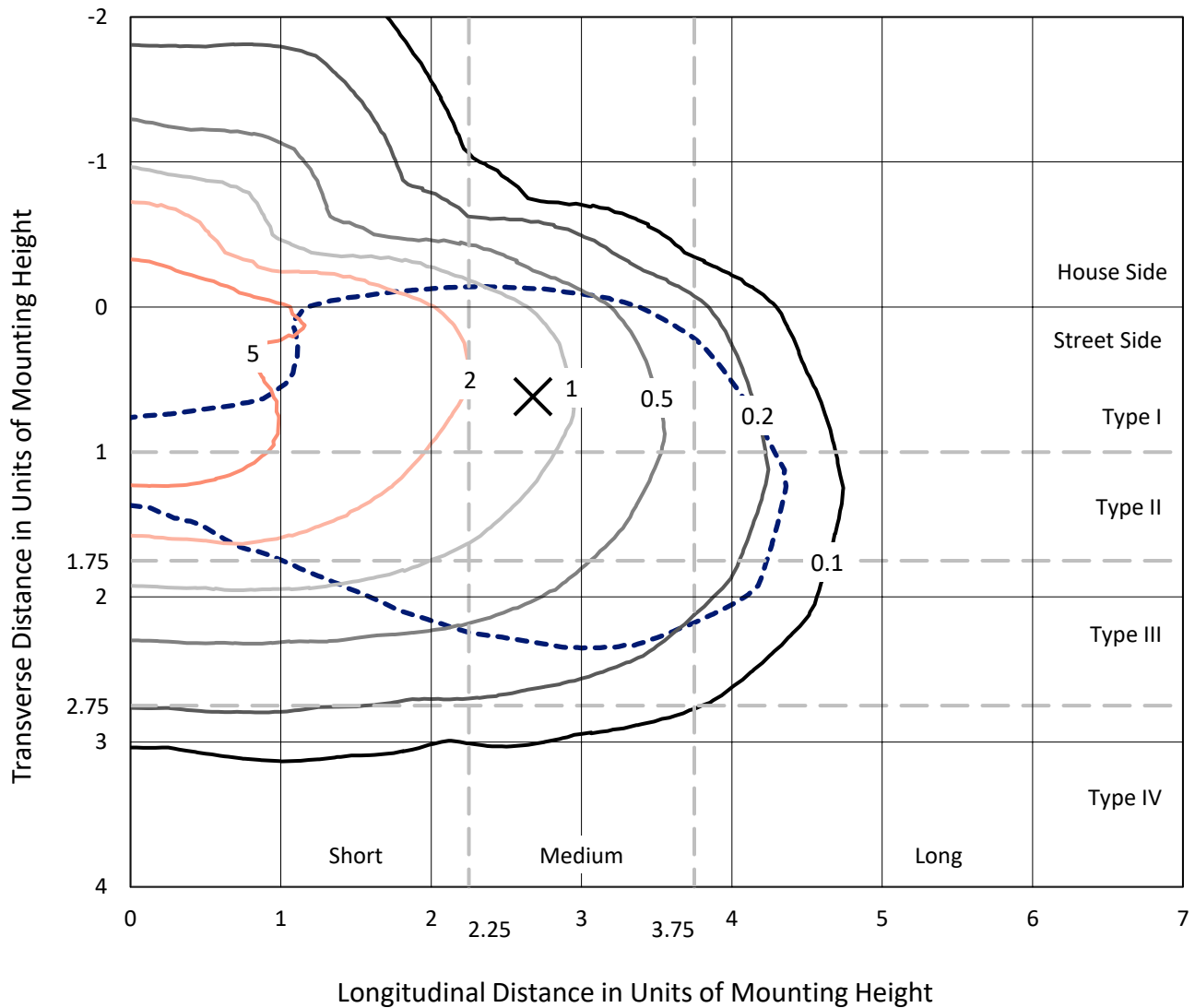


REPORT NUMBER: P951274

CATALOG NUMBER: GALN-SB5C-722-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

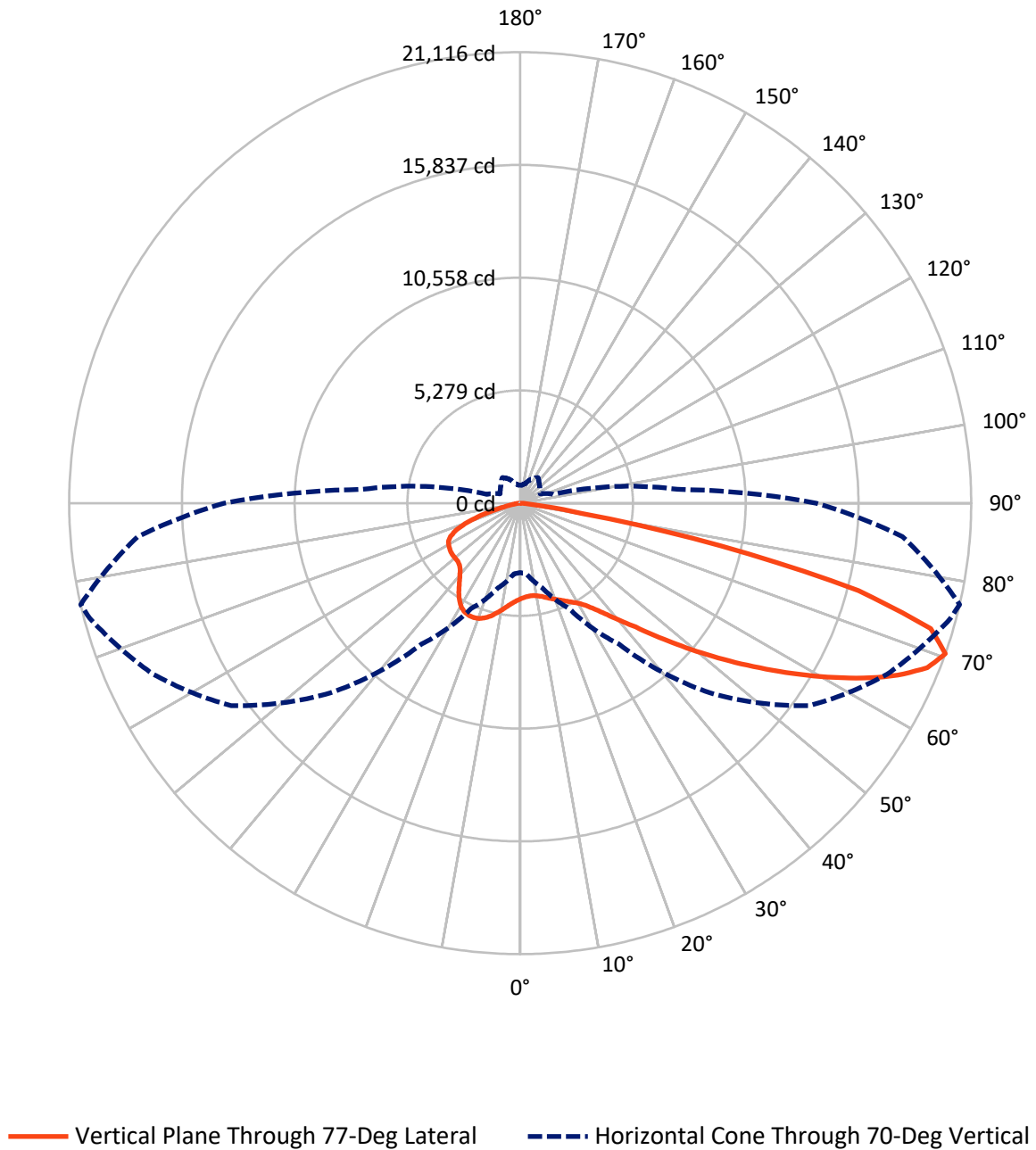


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P951274

CATALOG NUMBER: GALN-SB5C-722-U-T3R

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7025.7	0.0	7025.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	25057.3	0.0	25057.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	32083.0	0.0	32083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	426.9	1.3
10°-20°	1232.0	3.8
20°-30°	2106.9	6.6
30°-40°	3388.1	10.6
40°-50°	5289.8	16.5
50°-60°	7065.9	22.0
60°-70°	7531.1	23.5
70°-80°	4636.1	14.5
80°-90°	406.2	1.3
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°	32083.0	100.0
0°-180°	32083.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951274

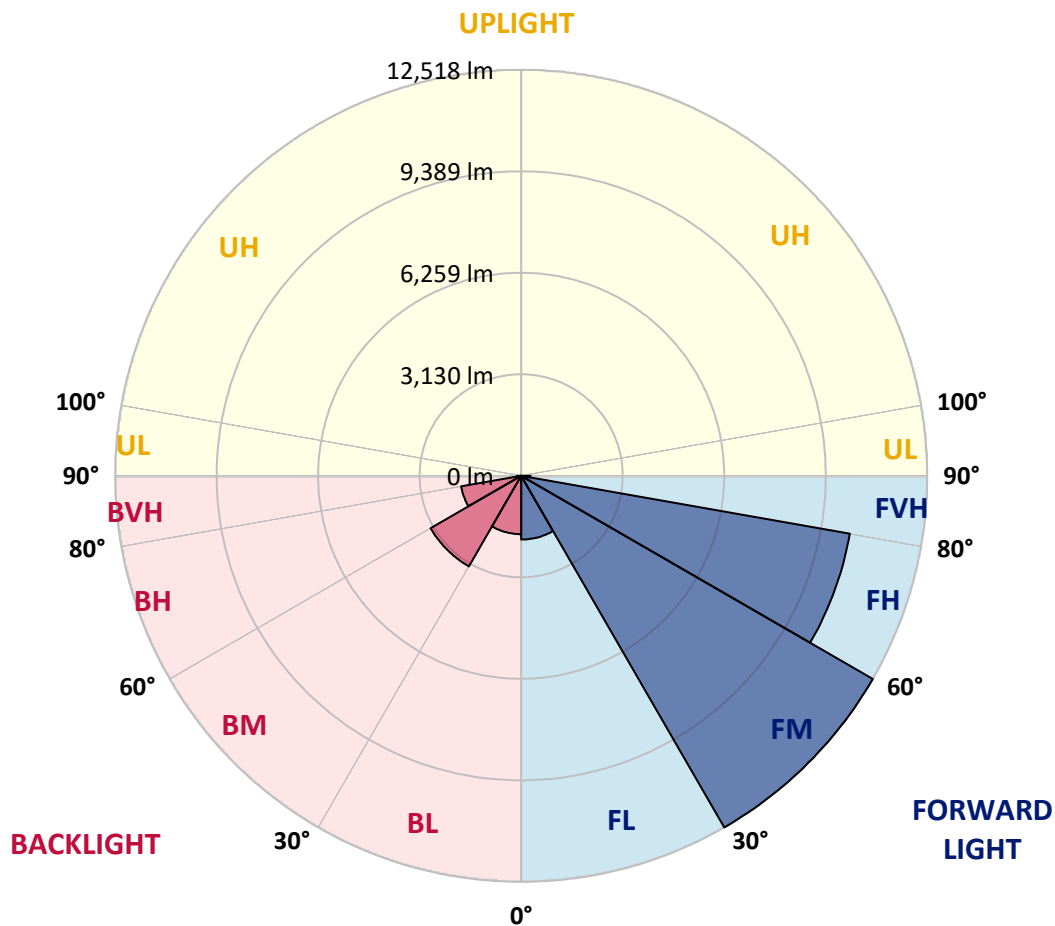
CATALOG NUMBER: GALN-SB5C-722-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1965.6	6.1			
FM	(30°-60°)	12518.1	39.0			
FH	(60°-80°)	10289.6	32.1			G4/12000
FVH	(80°-90°)	284.1	0.9			G3/500
BL	(0°-30°)	1800.2	5.6	B3/2500		
BM	(30°-60°)	3225.6	10.1	B3/5000		
BH	(60°-80°)	1877.7	5.9	B3/2500		G3/2500
BVH	(80°-90°)	122.2	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



REPORT NUMBER: P951274

CATALOG NUMBER: GALN-SB5C-722-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9
2.5°	4125.9	4124.2	4145.6	4152.2	4191.6	4219.5	4272.1	4328.0	4400.3	4408.5	4452.9
5°	3887.6	3887.6	3912.3	3938.6	3989.5	4045.4	4125.9	4222.8	4347.7	4367.4	4477.5
7.5°	3685.5	3698.7	3720.0	3771.0	3830.1	3910.6	4033.9	4171.9	4336.2	4367.4	4544.9
10°	3522.9	3537.6	3563.9	3605.0	3693.7	3805.5	3966.5	4144.0	4364.1	4413.4	4643.5
12.5°	3471.9	3486.7	3501.5	3532.7	3614.9	3746.3	3938.6	4157.1	4431.5	4480.8	4778.2
15°	3590.2	3608.3	3596.8	3588.6	3631.3	3751.3	3951.7	4204.8	4515.3	4586.0	4944.2
17.5°	3863.0	3869.6	3843.3	3766.0	3759.5	3823.6	4014.2	4270.5	4620.5	4697.7	5111.8
20°	4303.3	4291.8	4237.6	4084.8	3997.7	3984.6	4121.0	4369.1	4728.9	4811.1	5292.5
22.5°	4901.4	4888.3	4779.8	4538.3	4344.4	4216.3	4275.4	4497.2	4850.5	4942.5	5468.3
25°	5647.4	5629.3	5470.0	5141.3	4840.6	4523.5	4485.7	4666.5	5000.0	5085.5	5652.3
27.5°	6518.3	6503.5	6331.0	5897.2	5463.4	4944.2	4747.0	4865.3	5156.1	5253.1	5859.4
30°	7454.9	7497.6	7192.0	6725.3	6176.5	5493.0	5098.6	5110.1	5358.2	5445.3	6110.8
32.5°	8555.7	8629.7	8261.6	7670.1	6920.8	6089.4	5542.3	5451.9	5652.3	5724.6	6427.9
35°	9646.8	9730.6	9425.0	8771.0	7908.4	6792.7	6005.6	5844.6	6043.4	6122.3	6848.5
37.5°	10589.9	10701.7	10543.9	9975.4	8964.9	7640.5	6610.3	6306.3	6524.8	6623.4	7413.8
40°	11334.3	11505.2	11493.7	11138.7	10210.4	8669.1	7377.6	6876.5	7122.9	7229.7	8099.0
42.5°	11938.9	12086.8	12215.0	12196.9	11510.1	9837.4	8279.7	7617.5	7804.8	7928.1	8869.6
45°	12356.3	12514.0	12790.1	13087.5	12760.5	11087.8	9313.2	8496.6	8667.5	8853.2	9788.1
47.5°	12729.3	12908.4	13266.6	13738.2	13822.0	12343.2	10445.3	9520.3	9676.4	9868.6	10709.9
50°	12762.1	12916.6	13472.0	14140.7	14576.2	13549.2	11661.3	10668.8	10815.0	11020.4	11697.4
52.5°	11968.5	12211.7	13181.1	14129.2	14922.9	14558.1	12869.0	11863.4	12027.7	12274.1	12719.4
55°	9290.2	9646.8	12328.4	13688.9	14799.6	15210.4	14017.5	13133.5	13343.8	13601.8	13748.0
57.5°	8002.0	8158.1	9786.4	12887.0	14237.7	15379.6	14986.9	14416.8	14755.3	15037.9	14835.8
60°	7192.0	7321.8	8284.6	11639.9	13498.3	15111.8	15736.2	15613.0	16197.9	16534.8	15948.2
62.5°	6324.4	6447.6	7323.4	9719.1	12551.8	14666.5	16209.4	16717.1	17676.7	18044.8	16996.5
65°	5463.4	5568.5	6408.2	8166.3	11349.1	14221.2	16454.2	17671.8	19045.5	19426.7	17867.3
67.5°	4503.8	4590.9	5384.5	6889.6	9886.7	13611.6	16575.8	18422.7	20236.7	20563.7	18297.8
70°	3250.1	3317.5	4137.4	5448.6	8051.3	12563.3	16526.5	18955.1	20854.5	21115.8	17972.5
72.5°	1536.3	1597.1	2560.0	3537.6	5686.9	10522.6	15529.2	18532.8	20226.9	20097.1	15981.0
75°	819.9	872.5	1470.6	1940.5	3003.6	7213.3	12707.9	15964.6	16985.0	16354.0	11810.8
77.5°	555.4	596.5	910.3	1165.0	1372.0	3424.3	8168.0	11053.3	10634.3	9592.6	5915.2
80°	440.4	483.1	746.0	788.7	663.8	1237.3	3375.0	5116.7	3675.7	2939.5	1682.6
82.5°	338.5	386.1	627.7	571.8	361.5	507.7	982.6	1618.5	941.5	716.4	407.5
85°	207.0	258.0	492.9	364.8	203.7	231.7	333.6	450.2	287.5	239.9	146.2
87.5°	105.2	147.9	249.8	133.1	92.0	54.2	88.7	88.7	75.6	65.7	37.8
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: P951274

CATALOG NUMBER: GALN-SB5C-722-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9	4475.9
2.5°	4492.3	4525.2	4581.0	4633.6	4674.7	4714.1	4753.6	4774.9	4781.5	4807.8	4822.6
5°	4544.9	4605.7	4714.1	4816.0	4880.1	4919.5	4947.4	4963.9	4967.2	4975.4	4988.5
7.5°	4641.8	4738.8	4889.9	4991.8	5039.5	5036.2	5024.7	4983.6	4967.2	4952.4	4955.7
10°	4778.2	4906.4	5092.0	5162.7	5133.1	5054.3	4952.4	4832.4	4776.6	4722.3	4705.9
12.5°	4947.4	5110.1	5292.5	5289.2	5143.0	4940.9	4704.3	4520.2	4403.6	4319.8	4300.1
15°	5152.8	5340.2	5479.8	5368.1	5047.7	4684.5	4337.8	4098.0	3992.8	3900.8	3890.9
17.5°	5364.8	5565.3	5629.3	5343.4	4807.8	4305.0	3912.3	3723.3	3619.8	3570.5	3585.3
20°	5571.8	5770.7	5718.1	5202.1	4443.0	3874.5	3524.5	3421.0	3399.6	3411.1	3406.2
22.5°	5790.4	5967.8	5736.1	4929.4	3978.0	3434.1	3241.9	3245.2	3292.8	3327.3	3335.5
25°	6013.8	6133.8	5688.5	4535.0	3478.5	3110.4	3062.8	3115.4	3209.0	3276.4	3294.5
27.5°	6229.1	6281.7	5585.0	4047.0	3049.6	2878.8	2887.0	2995.4	3136.7	3230.4	3253.4
30°	6472.3	6413.1	5386.2	3498.2	2752.2	2679.9	2748.9	2875.5	3016.8	3100.6	3120.3
32.5°	6746.7	6526.5	5070.7	2990.5	2541.9	2520.6	2633.9	2716.1	2778.5	2803.2	2816.3
35°	7088.4	6685.9	4666.5	2633.9	2353.0	2403.9	2512.3	2471.3	2446.6	2433.5	2446.6
37.5°	7532.1	6901.1	4193.3	2402.2	2200.1	2320.1	2364.5	2236.3	2139.3	2091.7	2103.2
40°	8066.1	7216.6	3738.1	2223.1	2103.2	2247.8	2170.6	2016.1	1892.9	1825.5	1830.4
42.5°	8659.3	7546.9	3355.3	2088.4	2049.0	2188.6	2027.6	1843.6	1644.8	1623.4	1644.8
45°	9282.0	7887.0	3094.0	1984.9	2022.7	2137.7	1945.5	1648.1	1506.7	1593.8	1639.8
47.5°	9904.8	8199.2	2936.3	1907.7	2009.5	2080.2	1873.2	1539.6	1439.4	1565.9	1625.1
50°	10598.2	8478.5	2865.6	1851.8	1994.8	2057.2	1764.7	1511.7	1368.7	1452.5	1515.0
52.5°	11286.6	8695.4	2813.0	1795.9	1973.4	2039.1	1712.1	1478.8	1283.3	1288.2	1322.7
55°	11973.4	8836.7	2755.5	1722.0	1925.7	1999.7	1707.2	1442.7	1219.2	1196.2	1212.6
57.5°	12706.3	8917.2	2684.9	1639.8	1843.6	1899.5	1702.3	1414.7	1199.5	1161.7	1166.6
60°	13452.3	9035.5	2592.9	1539.6	1733.5	1779.5	1690.8	1404.9	1188.0	1123.9	1128.8
62.5°	14121.0	9076.6	2482.8	1444.3	1592.2	1661.2	1666.1	1396.7	1156.8	1046.7	1046.7
65°	14559.7	8899.2	2290.5	1335.9	1439.4	1539.6	1618.5	1368.7	1100.9	990.8	990.8
67.5°	14541.7	8393.1	1989.8	1196.2	1291.5	1404.9	1549.5	1321.1	1033.5	921.8	926.7
70°	13864.7	7394.1	1608.6	1033.5	1128.8	1260.3	1460.7	1250.4	953.0	846.2	856.1
72.5°	11891.3	5787.1	1168.3	842.9	939.9	1110.8	1345.7	1165.0	870.9	778.8	773.9
75°	8495.0	3662.5	792.0	647.4	731.2	941.5	1202.8	1064.7	795.3	782.1	737.8
77.5°	4339.5	1749.9	524.2	473.2	509.4	742.7	1010.5	951.4	806.8	645.7	575.1
80°	1411.4	645.7	330.3	322.1	338.5	494.6	782.1	780.5	611.2	438.7	387.8
82.5°	450.2	277.7	215.2	207.0	198.8	310.6	545.5	617.8	412.4	277.7	276.0
85°	179.1	166.0	126.5	116.7	83.8	146.2	285.9	410.8	307.3	200.5	205.4
87.5°	65.7	65.7	34.5	24.6	18.1	49.3	77.2	123.2	175.8	103.5	101.9
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)