

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: P944322

Luminaire Tested: **GALN-SB9B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944322
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-SB9B-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42000 lumens
Efficiency: N/A
Efficacy: 127.5 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): 329.5
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

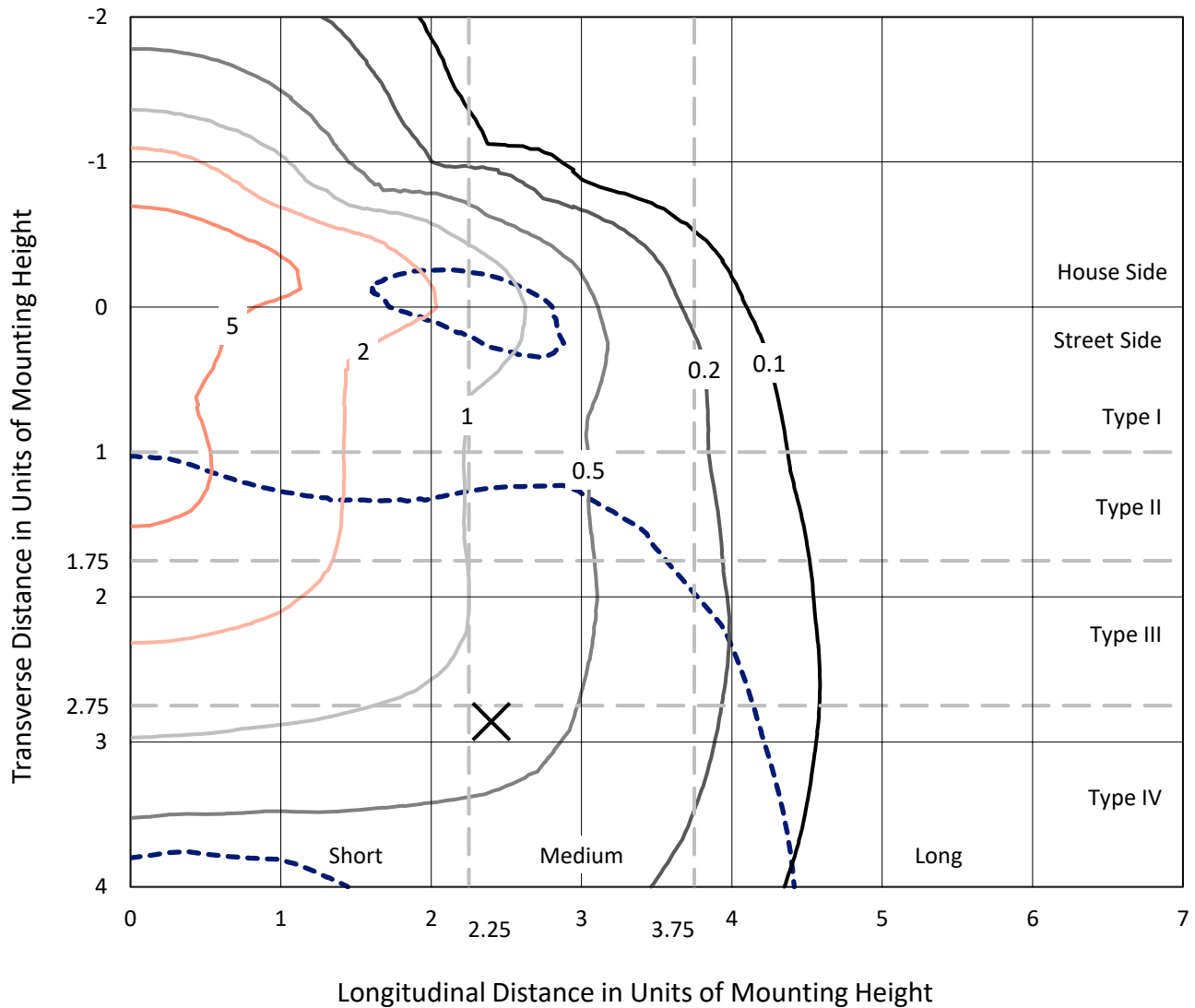


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

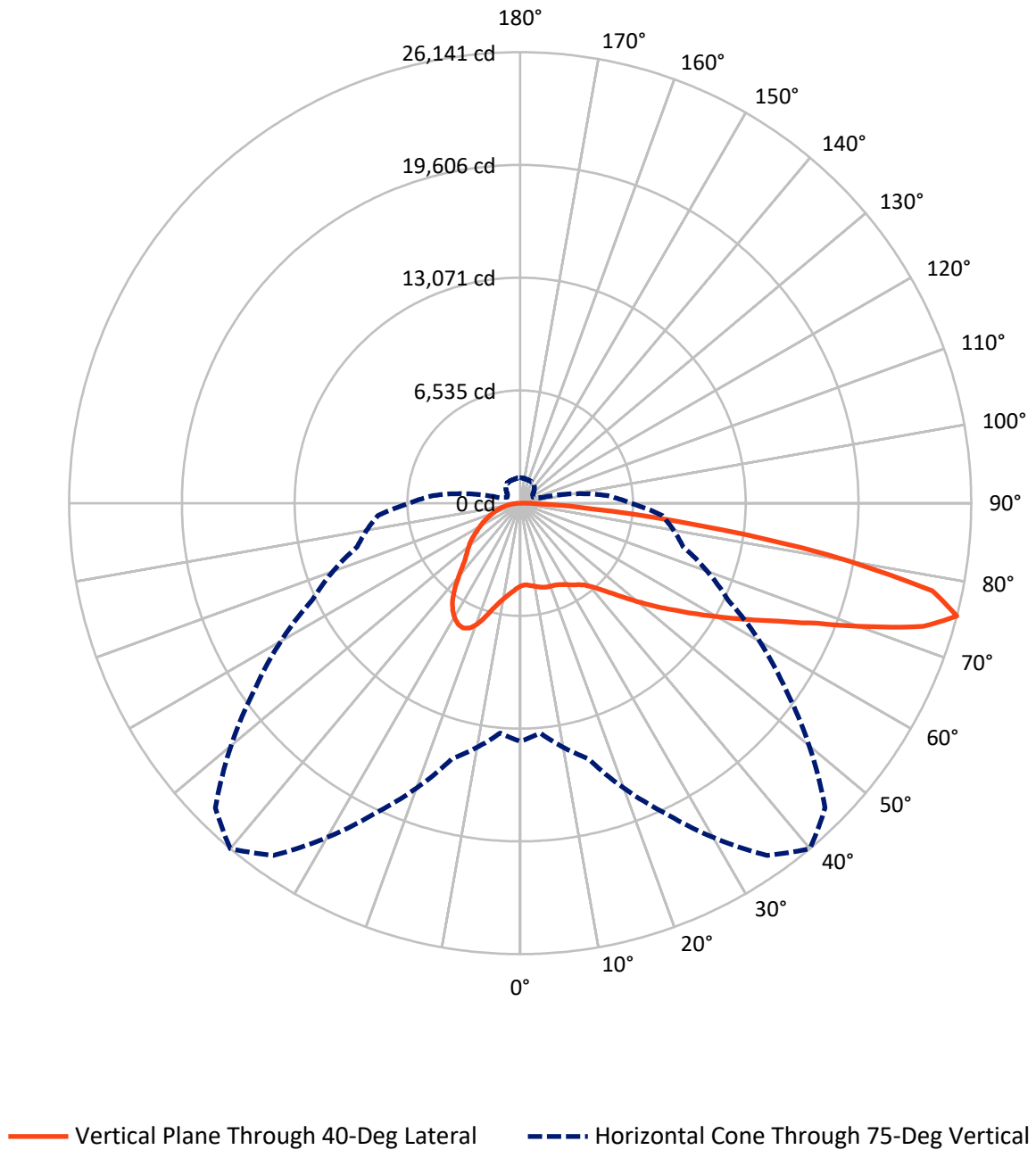


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13013.0	0.0	13013.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	28987.0	0.0	28987.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	42000.0	0.0	42000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.4	1.1
10°-20°	1609.6	3.8
20°-30°	2939.0	7.0
30°-40°	4168.3	9.9
40°-50°	5628.4	13.4
50°-60°	7571.7	18.0
60°-70°	9610.3	22.9
70°-80°	8721.9	20.8
80°-90°	1271.4	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°	42000.0	100.0
0°-180°	42000.0	100.0

Coefficient of Utilization



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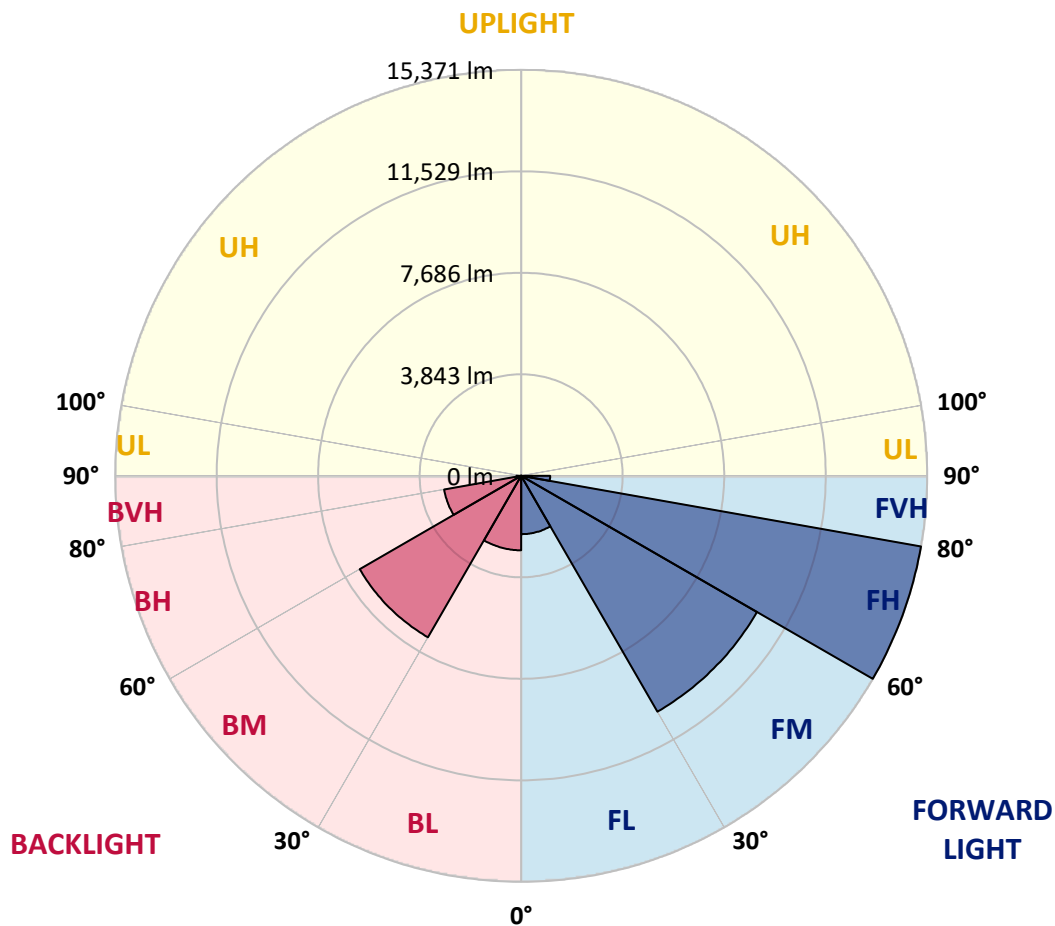
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2209.2	5.3			
FM	(30°-60°)	10310.1	24.5			
FH	(60°-80°)	15371.4	36.6			G5
FVH	(80°-90°)	1096.3	2.6			G5
BL	(0°-30°)	2818.7	6.7	B4/5000		
BM	(30°-60°)	7058.4	16.8	B4/8500		
BH	(60°-80°)	2960.8	7.0	B4/5000		G4/5000
BVH	(80°-90°)	175.0	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°	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8
2.5°	4729.2	4756.0	4749.3	4740.4	4740.4	4742.6	4740.4	4756.0	4771.6	4787.2	4811.7
5°	4778.3	4805.0	4791.6	4780.5	4771.6	4769.3	4762.7	4760.4	4769.3	4789.4	4822.8
7.5°	4874.0	4900.8	4880.7	4860.7	4842.9	4833.9	4825.0	4811.7	4805.0	4816.1	4862.9
10°	4981.0	5007.7	4983.2	4947.6	4918.6	4907.5	4898.5	4885.2	4876.3	4883.0	4934.2
12.5°	5087.9	5114.6	5081.2	5032.2	4994.3	4987.6	4976.5	4972.1	4969.8	4967.6	5018.8
15°	5188.1	5210.4	5168.1	5110.2	5070.1	5058.9	5047.8	5054.5	5065.6	5079.0	5136.9
17.5°	5266.1	5288.4	5226.0	5150.3	5112.4	5107.9	5101.3	5123.5	5154.7	5188.1	5259.4
20°	5337.4	5359.7	5279.5	5177.0	5132.4	5132.4	5134.7	5181.5	5226.0	5275.0	5373.0
22.5°	5437.6	5455.4	5357.4	5217.1	5152.5	5156.9	5174.8	5221.5	5277.2	5344.1	5480.0
25°	5586.9	5600.2	5480.0	5292.8	5219.3	5232.7	5248.3	5270.6	5324.0	5402.0	5584.7
27.5°	5827.5	5838.6	5680.4	5426.5	5315.1	5337.4	5359.7	5344.1	5368.6	5435.4	5669.3
30°	6166.1	6172.7	5972.3	5635.9	5477.7	5488.9	5493.3	5428.7	5381.9	5435.4	5729.4
32.5°	6567.0	6564.8	6326.5	5889.8	5662.6	5651.5	5613.6	5486.6	5377.5	5424.3	5782.9
35°	7188.5	7164.0	6856.6	6246.3	5872.0	5803.0	5713.9	5551.2	5399.8	5413.1	5829.7
37.5°	8217.7	8142.0	7716.5	6829.9	6183.9	6007.9	5876.5	5655.9	5448.8	5408.7	5885.4
40°	9378.3	9282.5	8814.7	7629.6	6651.7	6368.8	6157.2	5805.2	5529.0	5428.7	5967.8
42.5°	10755.0	10619.1	10115.6	8571.9	7244.2	6834.3	6515.8	5994.5	5647.0	5493.3	6079.2
45°	12445.7	12265.3	11552.5	9634.5	7990.5	7444.7	7019.2	6281.9	5827.5	5618.1	6246.3
47.5°	14154.3	14198.9	13185.3	10850.8	8886.0	8197.7	7649.7	6714.1	6090.3	5818.6	6515.8
50°	15969.8	16001.0	14809.2	12198.5	9901.8	9048.6	8358.0	7197.5	6455.7	6103.7	6919.0
52.5°	17386.6	17391.1	16283.9	13608.6	10959.9	9984.2	9122.1	7749.9	6878.9	6482.4	7455.9
55°	18273.2	18262.1	17317.5	14942.9	12176.2	10966.6	9968.6	8378.1	7395.7	6927.9	8130.8
57.5°	18917.0	18883.6	18030.4	16090.1	13472.7	12127.2	10926.5	9090.9	8006.1	7458.1	9019.6
60°	19162.0	19142.0	18513.8	17081.4	14836.0	13410.3	12031.4	9888.4	8698.9	8084.0	10162.4
62.5°	19255.6	19293.4	18988.3	18041.5	16295.1	14831.5	13245.4	10841.8	9478.5	8792.4	11367.6
65°	19585.3	19654.3	19591.9	19297.9	17943.5	16495.6	14856.0	11975.7	10329.5	9552.0	12626.2
67.5°	20238.0	20307.0	20333.7	20801.5	19957.3	18569.5	16865.3	13388.0	11325.2	10340.6	13572.9
70°	20222.4	20202.3	20674.6	21997.8	22478.9	21440.9	19574.1	15125.6	12512.6	10995.5	13693.2
72.5°	18406.9	18246.5	19362.5	21984.4	24577.4	24439.3	22882.1	17366.6	13537.3	11075.7	11882.1
75°	13809.0	13381.3	15352.8	19812.5	24927.1	26141.2	24985.0	18756.6	13294.5	9785.9	8268.9
77.5°	5905.4	5475.5	7798.9	14666.7	22309.6	24437.0	23055.9	16364.1	10612.4	6471.2	4061.0
80°	1546.0	1543.7	2356.8	6649.5	15172.3	18046.0	15831.7	10567.8	6063.6	2312.3	1120.5
82.5°	639.3	623.7	866.5	2586.3	7413.5	10126.8	8264.5	4713.7	2189.8	626.0	372.0
85°	238.4	236.1	421.0	893.3	2615.2	4176.8	3022.9	1205.1	545.8	305.2	167.1
87.5°	66.8	64.6	91.3	309.6	637.1	966.8	516.8	198.3	153.7	120.3	49.0
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°	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8	4802.8
2.5°	4818.3	4829.5	4849.5	4865.1	4885.2	4907.5	4938.6	4958.7	4978.7	4992.1	4983.2
5°	4838.4	4862.9	4914.1	4965.4	5025.5	5081.2	5145.8	5192.6	5230.5	5241.6	5246.1
7.5°	4883.0	4923.0	5009.9	5096.8	5192.6	5283.9	5377.5	5457.7	5522.3	5546.8	5549.0
10°	4960.9	5014.4	5136.9	5259.4	5386.4	5526.7	5647.0	5762.9	5854.2	5892.1	5894.3
12.5°	5058.9	5125.8	5286.2	5455.4	5631.4	5825.2	5981.2	6123.7	6237.3	6288.6	6288.6
15°	5185.9	5272.8	5477.7	5704.9	5963.3	6232.9	6431.1	6589.3	6716.3	6778.7	6774.2
17.5°	5324.0	5439.9	5698.3	6041.3	6411.1	6765.3	6997.0	7112.8	7244.2	7304.4	7302.1
20°	5457.7	5600.2	5970.0	6469.0	6961.3	7337.8	7524.9	7556.1	7565.0	7571.7	7589.5
22.5°	5595.8	5787.4	6310.9	7008.1	7536.0	7796.7	7823.4	7689.8	7502.6	7415.8	7440.3
25°	5747.3	6001.2	6756.4	7602.9	8030.6	8061.8	7856.8	7531.6	7177.4	7014.8	7039.3
27.5°	5894.3	6248.5	7291.0	8170.9	8387.0	8113.0	7671.9	7210.8	6783.1	6611.6	6631.6
30°	6041.3	6531.4	7881.3	8667.7	8549.6	7986.0	7380.1	6865.5	6435.6	6255.2	6275.2
32.5°	6190.6	6861.1	8560.8	9026.3	8520.7	7716.5	7017.0	6477.9	6099.2	5909.9	5934.4
35°	6359.9	7266.5	9204.5	9222.4	8326.9	7320.0	6538.1	6014.6	5684.9	5533.4	5566.8
37.5°	6580.4	7781.1	9772.6	9271.4	7988.3	6738.6	5943.3	5466.6	5194.8	5125.8	5174.8
40°	6854.4	8400.4	10207.0	9193.4	7487.0	6032.4	5292.8	4911.9	4758.2	4773.8	4827.3
42.5°	7210.8	9093.2	10512.2	8992.9	6789.8	5304.0	4722.6	4553.3	4626.8	4689.1	4747.1
45°	7674.2	9812.7	10701.5	8652.1	6001.2	4686.9	4386.2	4426.3	4482.0	4488.7	4533.2
47.5°	8266.7	10541.1	10826.2	8137.5	5197.0	4252.5	4172.3	4181.2	4170.1	4123.3	4159.0
50°	9006.3	11249.5	10937.6	7455.9	4513.2	3980.8	3873.8	3842.7	3688.9	3537.5	3557.5
52.5°	9848.3	11900.0	10984.4	6609.4	3980.8	3753.5	3579.8	3383.8	3096.4	3049.6	3065.2
55°	10783.9	12501.4	10864.1	5569.1	3533.0	3461.7	3198.9	2962.7	2931.6	2891.5	2898.1
57.5°	11902.2	13149.7	10619.1	4408.5	3074.1	3120.9	2864.7	2891.5	2835.8	2773.4	2762.3
60°	13125.2	13820.2	10189.1	3350.3	2599.6	2695.4	2777.8	2775.6	2760.0	2708.8	2691.0
62.5°	14225.6	14261.2	9342.7	2566.2	2183.1	2365.7	2590.7	2588.5	2575.1	2546.2	2535.0
65°	14880.5	14194.4	7930.3	2020.5	1840.0	2094.0	2336.8	2354.6	2356.8	2354.6	2354.6
67.5°	14764.7	13412.5	5992.3	1608.3	1557.1	1817.7	2085.1	2109.6	2127.4	2131.8	2136.3
70°	13454.8	11695.0	3907.3	1283.1	1305.4	1574.9	1846.7	1871.2	1886.8	1904.6	1913.5
72.5°	10487.7	8598.6	2236.5	1038.1	1084.9	1365.5	1610.6	1639.5	1648.4	1681.9	1695.2
75°	6391.1	5056.7	1207.4	817.5	891.0	1167.3	1376.7	1410.1	1425.7	1465.8	1470.2
77.5°	3038.5	2189.8	688.3	637.1	717.3	953.4	1162.8	1200.7	1158.4	1180.6	1162.8
80°	1026.9	813.1	434.4	485.6	548.0	744.0	931.1	969.0	879.9	875.5	866.5
82.5°	358.6	329.7	276.2	323.0	354.2	532.4	703.9	752.9	654.9	652.7	621.5
85°	140.3	133.7	153.7	176.0	211.6	327.5	463.3	487.8	403.2	325.2	320.8
87.5°	29.0	31.2	37.9	40.1	64.6	113.6	167.1	204.9	162.6	138.1	127.0
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)