

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: P943132

Luminaire Tested: **GALN-SB7C-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943132
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-SB7C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43613 lumens
Efficiency: N/A
Efficacy: 124.4 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): 350.5
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



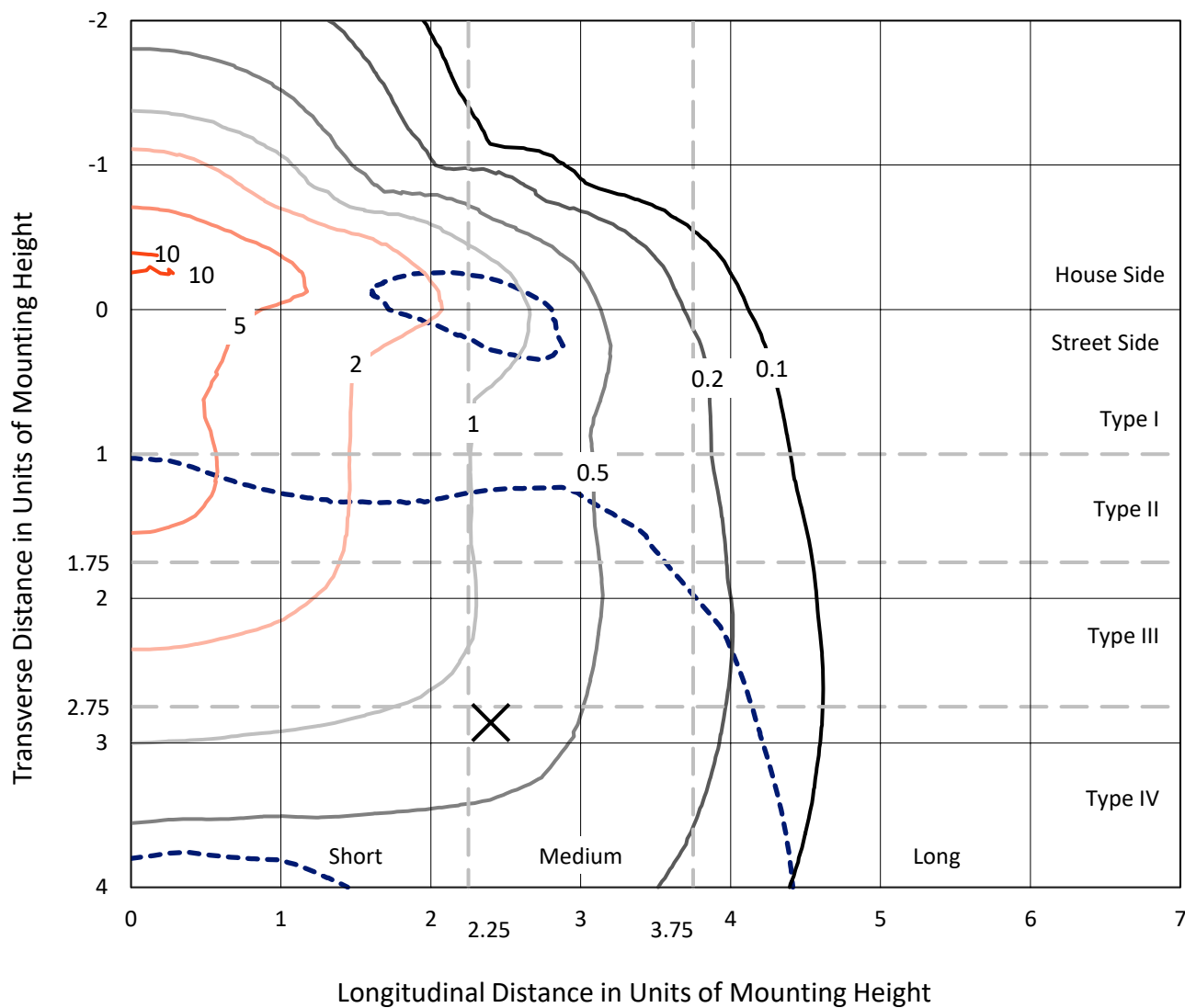
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

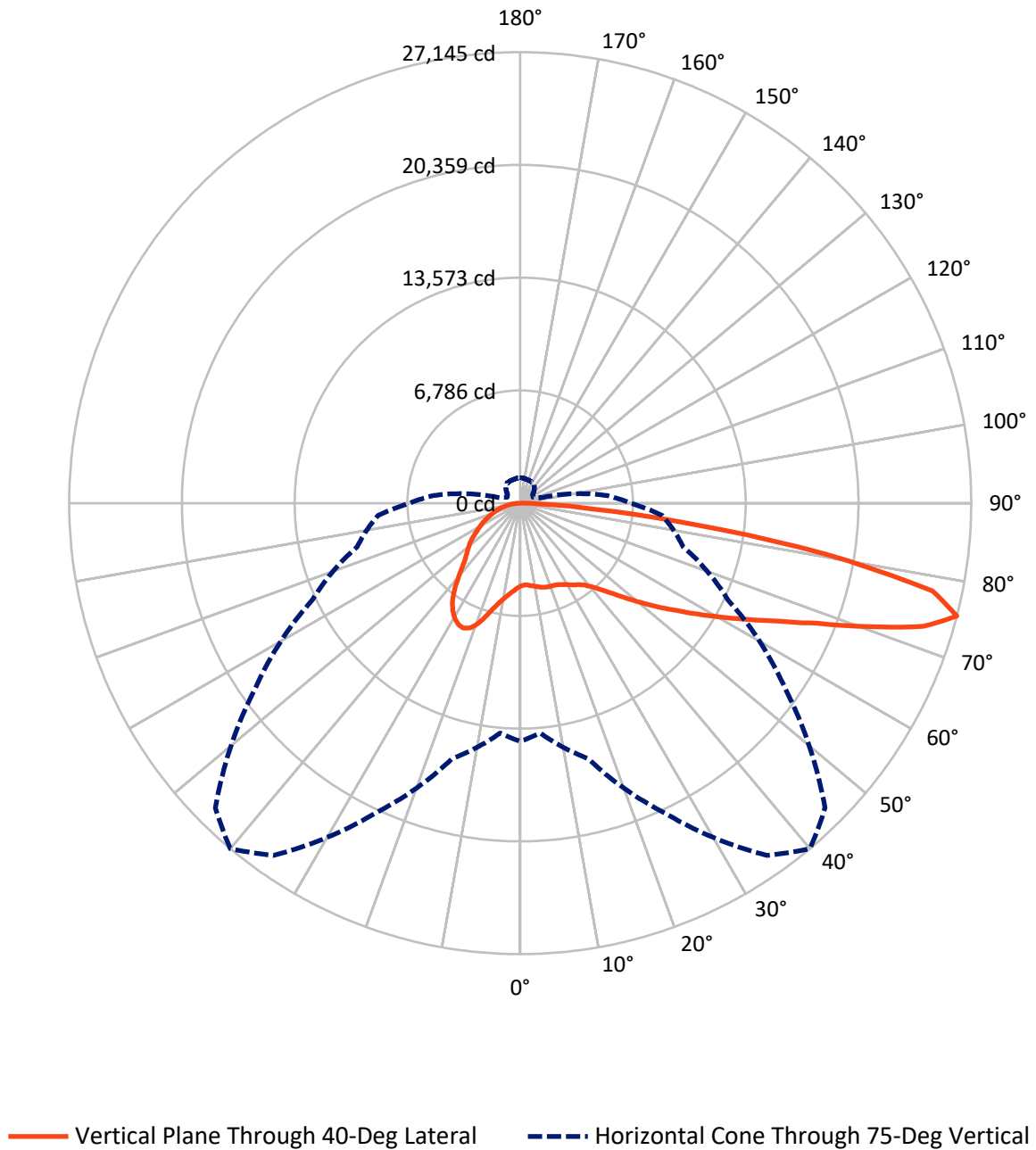


Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13512.8	0.0	13512.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	30100.2	0.0	30100.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	43613.0	0.0	43613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.8	1.1
10°-20°	1671.4	3.8
20°-30°	3051.8	7.0
30°-40°	4328.4	9.9
40°-50°	5844.6	13.4
50°-60°	7862.5	18.0
60°-70°	9979.4	22.9
70°-80°	9056.9	20.8
80°-90°	1320.2	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°	43613.0	100.0
0°-180°	43613.0	100.0

Coefficient of Utilization



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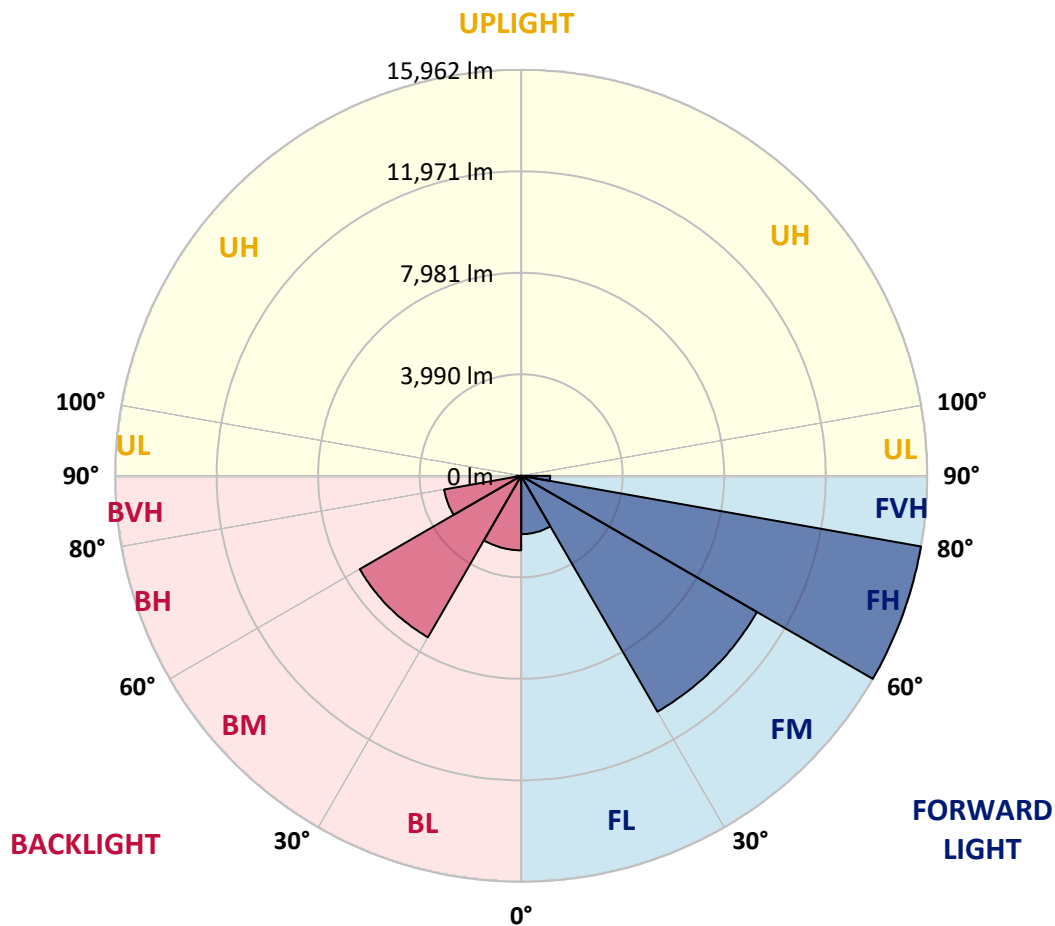
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2294.1	5.3			
FM	(30°-60°)	10706.0	24.5			
FH	(60°-80°)	15961.7	36.6			G5
FVH	(80°-90°)	1138.4	2.6			G5
BL	(0°-30°)	2927.0	6.7	B4/5000		
BM	(30°-60°)	7329.5	16.8	B4/8500		
BH	(60°-80°)	3074.5	7.0	B4/5000		G4/5000
BVH	(80°-90°)	181.8	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°	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2
2.5°	4910.9	4938.6	4931.7	4922.4	4922.4	4924.7	4922.4	4938.6	4954.8	4971.0	4996.5
5°	4961.8	4989.5	4975.6	4964.1	4954.8	4952.5	4945.6	4943.3	4952.5	4973.3	5008.0
7.5°	5061.2	5089.0	5068.2	5047.3	5028.8	5019.6	5010.3	4996.5	4989.5	5001.1	5049.7
10°	5172.3	5200.0	5174.6	5137.6	5107.5	5095.9	5086.7	5072.8	5063.5	5070.5	5123.7
12.5°	5283.3	5311.0	5276.4	5225.5	5186.1	5179.2	5167.6	5163.0	5160.7	5158.4	5211.6
15°	5387.4	5410.5	5366.6	5306.4	5264.8	5253.2	5241.7	5248.6	5260.2	5274.0	5334.2
17.5°	5468.3	5491.5	5426.7	5348.1	5308.7	5304.1	5297.2	5320.3	5352.7	5387.4	5461.4
20°	5542.4	5565.5	5482.2	5375.8	5329.6	5329.6	5331.9	5380.4	5426.7	5477.6	5579.4
22.5°	5646.5	5665.0	5563.2	5417.5	5350.4	5355.0	5373.5	5422.1	5479.9	5549.3	5690.4
25°	5801.4	5815.3	5690.4	5496.1	5419.8	5433.6	5449.8	5473.0	5528.5	5609.4	5799.1
27.5°	6051.3	6062.8	5898.6	5634.9	5519.2	5542.4	5565.5	5549.3	5574.8	5644.1	5887.0
30°	6402.9	6409.8	6201.6	5852.3	5688.1	5699.7	5704.3	5637.2	5588.6	5644.1	5949.5
32.5°	6819.2	6816.9	6569.4	6116.0	5880.1	5868.5	5829.2	5697.3	5584.0	5632.6	6005.0
35°	7464.6	7439.2	7120.0	6486.1	6097.5	6025.8	5933.3	5764.4	5607.1	5621.0	6053.6
37.5°	8533.3	8454.7	8012.8	7092.2	6421.4	6238.6	6102.2	5873.2	5658.0	5616.4	6111.4
40°	9738.5	9639.0	9153.2	7922.6	6907.1	6613.4	6393.6	6028.1	5741.3	5637.2	6197.0
42.5°	11168.0	11026.9	10504.1	8901.1	7522.4	7096.8	6766.0	6224.8	5863.9	5704.3	6312.7
45°	12923.7	12736.3	11996.1	10004.5	8297.4	7730.6	7288.8	6523.2	6051.3	5833.8	6486.1
47.5°	14697.9	14744.2	13691.7	11267.5	9227.3	8512.5	7943.4	6971.9	6324.2	6042.0	6766.0
50°	16583.1	16615.5	15378.0	12666.9	10282.1	9396.1	8679.0	7473.9	6703.6	6338.1	7184.7
52.5°	18054.3	18059.0	16909.3	14131.2	11380.8	10367.6	9472.5	8047.5	7143.1	6731.3	7742.2
55°	18975.0	18963.4	17982.6	15516.8	12643.8	11387.8	10351.5	8699.9	7679.7	7194.0	8443.1
57.5°	19643.5	19608.8	18722.8	16708.1	13990.1	12592.9	11346.1	9440.1	8313.5	7744.5	9366.0
60°	19897.9	19877.1	19224.8	17737.4	15405.7	13925.3	12493.5	10268.2	9032.9	8394.5	10552.7
62.5°	19995.1	20034.4	19717.5	18734.4	16920.9	15401.1	13754.1	11258.2	9842.6	9130.1	11804.1
65°	20337.4	20409.1	20344.4	20039.0	18632.6	17129.1	15426.6	12435.6	10726.2	9918.9	13111.1
67.5°	21015.2	21086.9	21114.7	21600.4	20723.7	19282.6	17513.0	13902.2	11760.2	10737.8	14094.2
70°	20999.0	20978.2	21468.6	22842.6	23342.2	22264.3	20325.9	15706.5	12993.1	11417.8	14219.1
72.5°	19113.8	18947.2	20106.1	22828.7	25521.3	25377.8	23760.9	18033.5	14057.2	11501.1	12338.5
75°	14339.4	13895.2	15942.4	20573.4	25884.4	27145.1	25944.6	19476.9	13805.0	10161.8	8586.5
77.5°	6132.2	5685.8	8098.4	15229.9	23166.4	25375.5	23941.4	16992.6	11020.0	6719.8	4216.9
80°	1605.3	1603.0	2447.3	6904.8	15755.0	18739.0	16439.7	10973.7	6296.5	2401.1	1163.5
82.5°	663.9	647.7	899.8	2685.6	7698.2	10515.7	8581.9	4894.7	2273.9	650.0	386.3
85°	247.5	245.2	437.2	927.6	2715.7	4337.2	3139.0	1251.4	566.7	316.9	173.5
87.5°	69.4	67.1	94.8	321.5	661.6	1003.9	536.7	205.9	159.6	124.9	50.9
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°	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2	4987.2
2.5°	5003.4	5015.0	5035.8	5052.0	5072.8	5095.9	5128.3	5149.1	5169.9	5183.8	5174.6
5°	5024.2	5049.7	5102.9	5156.1	5218.5	5276.4	5343.4	5392.0	5431.3	5442.9	5447.5
7.5°	5070.5	5112.1	5202.3	5292.5	5392.0	5486.9	5584.0	5667.3	5734.4	5759.8	5762.1
10°	5151.4	5207.0	5334.2	5461.4	5593.3	5739.0	5863.9	5984.2	6079.0	6118.3	6120.7
12.5°	5253.2	5322.6	5489.2	5665.0	5847.7	6049.0	6210.9	6358.9	6476.9	6530.1	6530.1
15°	5385.1	5475.3	5688.1	5924.0	6192.4	6472.3	6678.1	6842.4	6974.2	7039.0	7034.4
17.5°	5528.5	5648.8	5917.1	6273.3	6657.3	7025.1	7265.7	7386.0	7522.4	7584.9	7582.6
20°	5667.3	5815.3	6199.3	6717.5	7228.7	7619.6	7813.9	7846.3	7855.5	7862.5	7881.0
22.5°	5810.7	6009.6	6553.2	7277.2	7825.5	8096.1	8123.9	7985.1	7790.8	7700.6	7726.0
25°	5968.0	6231.7	7015.9	7894.9	8339.0	8371.4	8158.6	7820.8	7453.0	7284.2	7309.6
27.5°	6120.7	6488.5	7571.0	8484.7	8709.1	8424.6	7966.6	7487.7	7043.6	6865.5	6886.3
30°	6273.3	6782.2	8184.0	9000.6	8878.0	8292.7	7663.5	7129.2	6682.8	6495.4	6516.2
32.5°	6428.3	7124.6	8889.5	9373.0	8847.9	8012.8	7286.5	6726.7	6333.5	6136.9	6162.3
35°	6604.1	7545.6	9558.0	9576.5	8646.6	7601.1	6789.2	6245.6	5903.2	5745.9	5780.6
37.5°	6833.1	8079.9	10147.9	9627.4	8295.0	6997.4	6171.6	5676.5	5394.3	5322.6	5373.5
40°	7117.6	8723.0	10599.0	9546.5	7774.6	6264.1	5496.1	5100.6	4940.9	4957.1	5012.6
42.5°	7487.7	9442.4	10915.9	9338.3	7050.6	5507.7	4903.9	4728.1	4804.5	4869.2	4929.4
45°	7968.9	10189.5	11112.5	8984.4	6231.7	4866.9	4554.6	4596.3	4654.1	4661.0	4707.3
47.5°	8584.2	10945.9	11242.0	8450.0	5396.6	4415.9	4332.6	4341.8	4330.3	4281.7	4318.7
50°	9352.2	11681.5	11357.7	7742.2	4686.5	4133.6	4022.6	3990.2	3830.6	3673.3	3694.1
52.5°	10226.5	12357.0	11406.3	6863.2	4133.6	3897.7	3717.3	3513.7	3215.3	3166.7	3182.9
55°	11198.1	12981.5	11281.4	5782.9	3668.7	3594.7	3321.7	3076.5	3044.1	3002.5	3009.4
57.5°	12359.3	13654.7	11026.9	4577.8	3192.2	3240.8	2974.7	3002.5	2944.7	2879.9	2868.3
60°	13629.2	14350.9	10580.5	3479.0	2699.5	2798.9	2884.5	2882.2	2866.0	2812.8	2794.3
62.5°	14771.9	14808.9	9701.5	2664.8	2266.9	2456.6	2690.2	2687.9	2674.0	2644.0	2632.4
65°	15452.0	14739.5	8234.9	2098.0	1910.7	2174.4	2426.5	2445.0	2447.3	2445.0	2445.0
67.5°	15331.7	13927.6	6222.4	1670.1	1616.9	1887.6	2165.1	2190.6	2209.1	2213.7	2218.3
70°	13971.6	12144.2	4057.3	1332.4	1355.5	1635.4	1917.6	1943.1	1959.3	1977.8	1987.0
72.5°	10890.4	8928.9	2322.4	1077.9	1126.5	1418.0	1672.4	1702.5	1711.7	1746.4	1760.3
75°	6636.5	5250.9	1253.7	848.9	925.3	1212.1	1429.5	1464.2	1480.4	1522.1	1526.7
77.5°	3155.2	2273.9	714.8	661.6	744.8	990.0	1207.5	1246.8	1202.9	1226.0	1207.5
80°	1066.4	844.3	451.1	504.3	569.0	772.6	966.9	1006.2	913.7	909.1	899.8
82.5°	372.4	342.3	286.8	335.4	367.8	552.8	731.0	781.9	680.1	677.8	645.4
85°	145.7	138.8	159.6	182.7	219.8	340.0	481.1	506.6	418.7	337.7	333.1
87.5°	30.1	32.4	39.3	41.6	67.1	118.0	173.5	212.8	168.9	143.4	131.9
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)