

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: P944155

Luminaire Tested: **GALN-SB9A-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
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-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33443 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 II - Medium
BUG Rating: B4 - U0 - G4

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



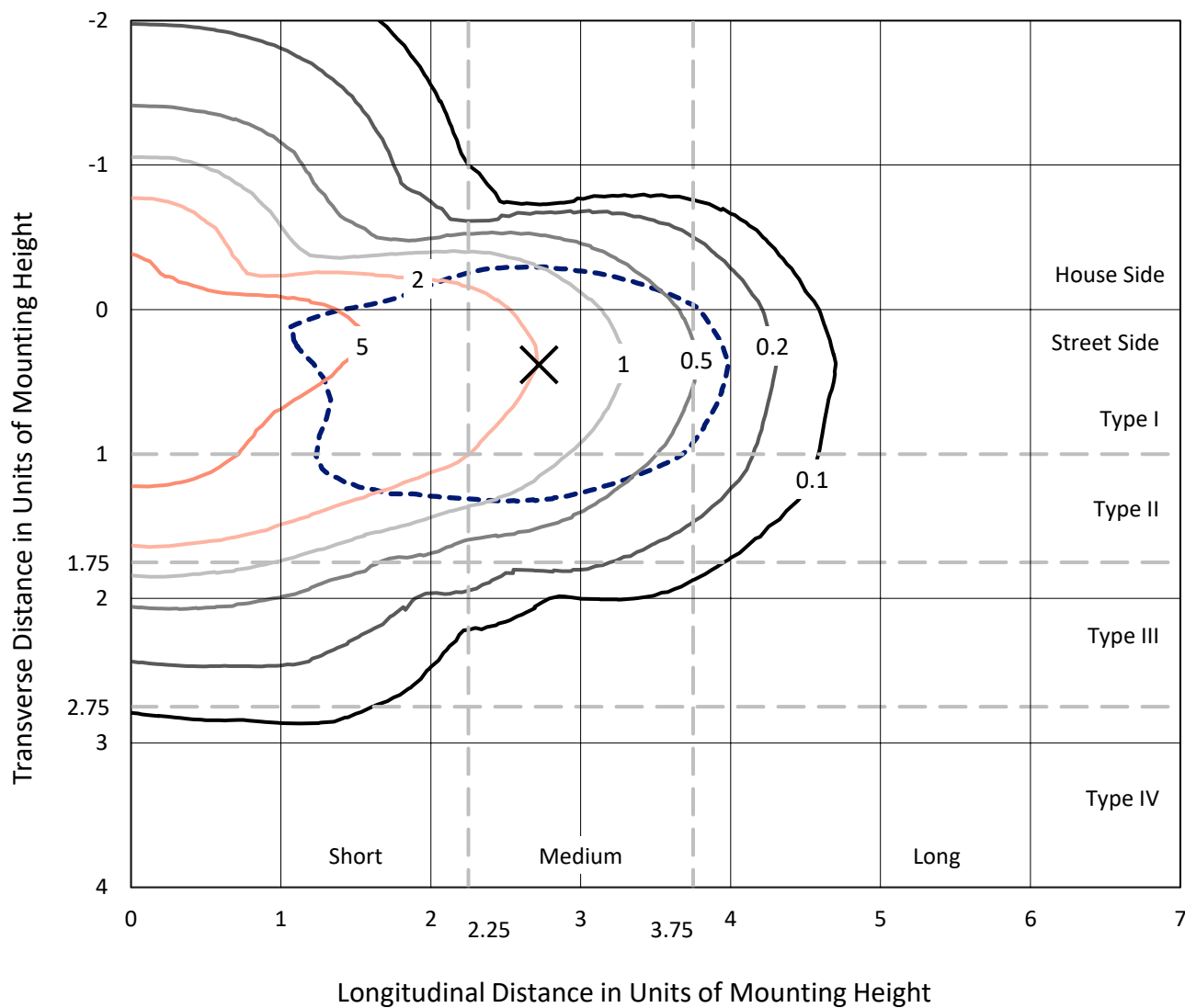
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

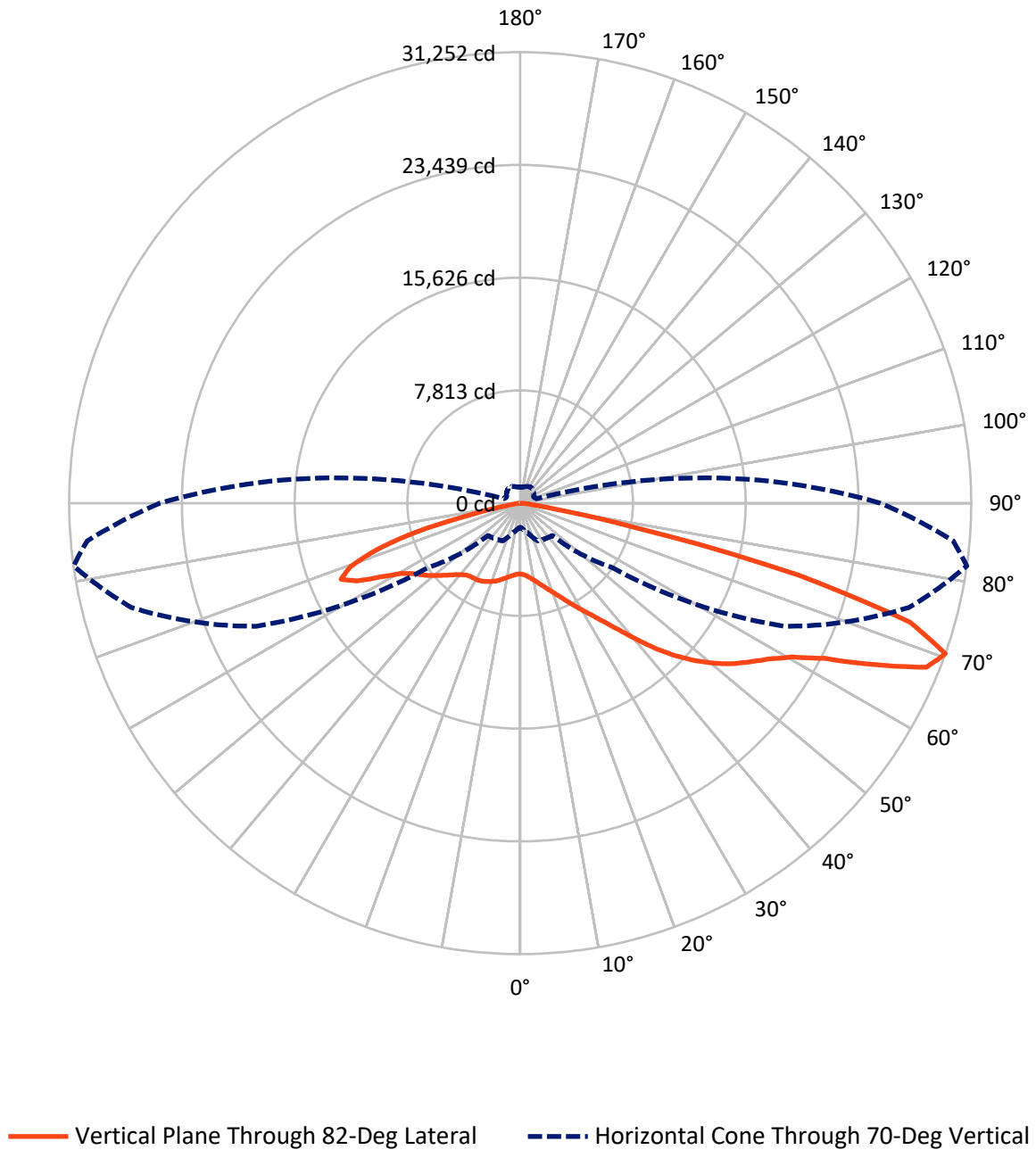


Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8244.5	0.0	8244.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25198.5	0.0	25198.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	33443.0	0.0	33443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.9	1.4
10°-20°	1330.1	4.0
20°-30°	2225.1	6.7
30°-40°	3476.1	10.4
40°-50°	5536.1	16.6
50°-60°	7704.2	23.0
60°-70°	8059.0	24.1
70°-80°	4212.1	12.6
80°-90°	437.4	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°	33443.0	100.0
0°-180°	33443.0	100.0

Coefficient of Utilization



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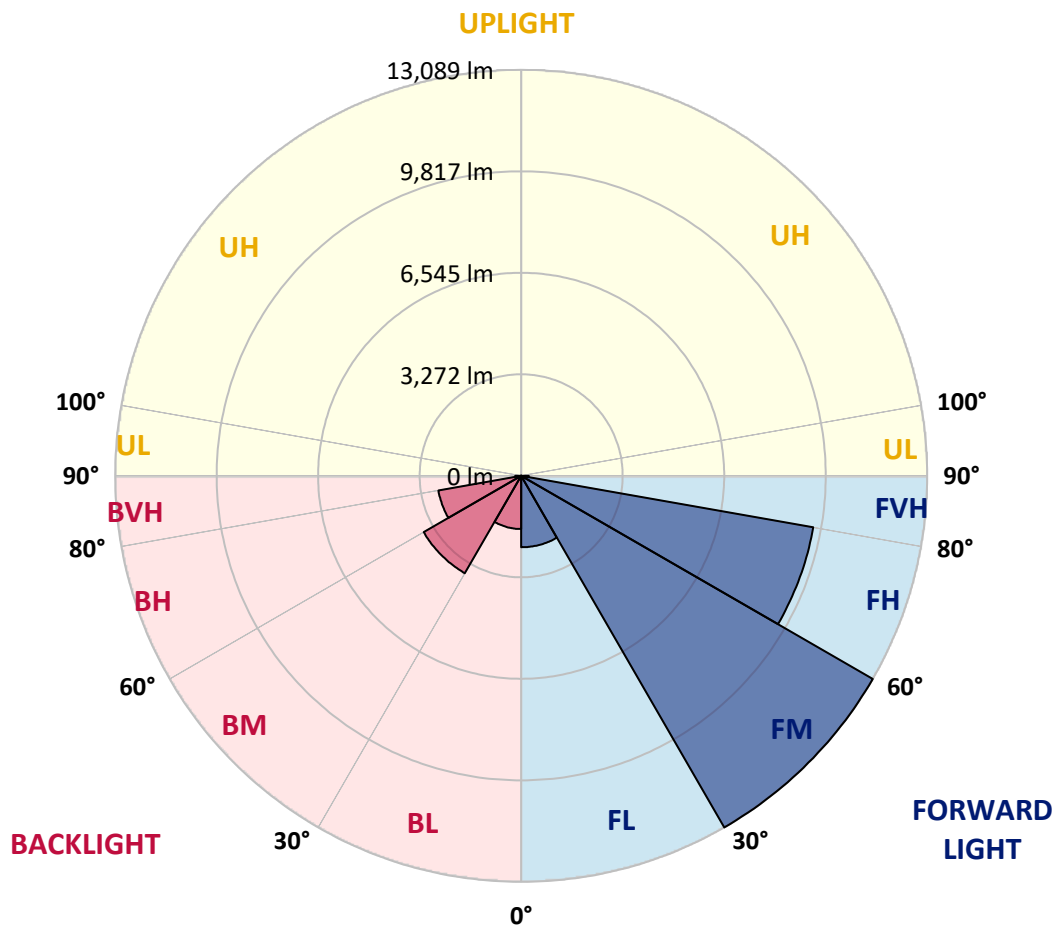
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2302.9	6.9			
FM	(30°-60°)	13089.3	39.1			
FH	(60°-80°)	9561.5	28.6			G4/12000
FVH	(80°-90°)	244.8	0.7			G3/500
BL	(0°-30°)	1715.2	5.1	B3/2500		
BM	(30°-60°)	3627.3	10.8	B3/5000		
BH	(60°-80°)	2709.6	8.1	B4/5000		G4/5000
BVH	(80°-90°)	192.5	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2
2.5°	5020.3	5048.7	5039.8	5030.9	5030.9	5018.5	5016.7	4999.0	4984.8	4961.7	4956.4
5°	5084.2	5114.3	5110.8	5117.9	5141.0	5146.3	5151.6	5141.0	5112.6	5084.2	5071.7
7.5°	5027.4	5061.1	5071.7	5114.3	5185.3	5249.2	5297.1	5316.6	5290.0	5249.2	5229.7
10°	4835.7	4873.0	4910.3	5011.4	5137.4	5288.2	5416.0	5492.3	5487.0	5448.0	5414.2
12.5°	4447.1	4486.1	4566.0	4763.0	4993.7	5259.9	5497.6	5657.4	5712.4	5684.0	5625.4
15°	4136.5	4170.3	4230.6	4432.9	4732.8	5137.4	5527.8	5838.4	5978.6	5962.6	5891.6
17.5°	4127.7	4141.9	4179.1	4275.0	4505.7	4945.8	5495.9	6015.8	6283.8	6282.0	6193.3
20°	4283.8	4289.2	4310.5	4330.0	4461.3	4800.2	5414.2	6163.1	6626.3	6626.3	6530.5
22.5°	4500.3	4496.8	4518.1	4500.3	4564.2	4787.8	5362.8	6292.7	7007.8	7036.2	6915.5
25°	4825.1	4807.3	4802.0	4761.2	4773.6	4903.2	5419.6	6439.9	7460.3	7518.9	7368.1
27.5°	5258.1	5229.7	5210.2	5116.1	5084.2	5141.0	5593.5	6617.4	7964.3	8065.5	7873.8
30°	5822.4	5770.9	5742.5	5579.3	5463.9	5472.8	5856.1	6853.4	8491.4	8654.6	8411.5
32.5°	6592.6	6512.7	6436.4	6168.4	5957.3	5888.1	6195.1	7179.9	9062.8	9323.6	9011.3
35°	7455.0	7391.1	7309.5	6896.0	6571.3	6411.6	6652.9	7636.0	9731.8	10145.3	9738.9
37.5°	8285.5	8230.5	8269.5	7712.3	7293.5	7061.1	7252.7	8248.2	10557.0	11167.4	10651.0
40°	9144.4	9101.8	9107.1	8574.8	8086.8	7825.9	7980.3	9016.6	11502.8	12383.0	11747.7
42.5°	10077.8	10045.9	9939.4	9467.4	8919.0	8675.9	8817.9	9903.9	12517.9	13767.2	12950.9
45°	11123.1	11103.5	11004.2	10462.9	9834.7	9561.4	9753.1	10883.5	13538.3	15069.7	14159.4
47.5°	12026.3	12042.3	12029.9	11573.8	10922.5	10521.5	10750.4	11905.7	14487.7	16294.2	15318.2
50°	12461.1	12544.5	12666.9	12525.0	12120.4	11712.2	11756.6	12892.3	15392.7	17442.3	16429.1
52.5°	12233.9	12391.9	12725.5	12952.7	13108.8	13023.6	12904.7	13871.9	16244.5	18478.7	17479.6
55°	11387.5	11609.3	12163.0	12711.3	13508.1	14127.4	14283.6	14957.9	17075.0	19390.8	18473.4
57.5°	9845.4	10205.6	10702.5	11811.6	13153.2	14661.6	15891.4	16464.5	17955.2	20365.1	19513.3
60°	7201.2	7683.9	8301.5	9951.8	11911.0	14375.9	17259.6	18778.6	19206.3	21626.8	20867.3
62.5°	4608.6	4906.7	5474.6	7029.1	9281.0	12911.8	17678.4	21671.2	21326.9	23696.0	22897.4
65°	3155.2	3346.9	3866.8	4739.9	5999.9	9611.1	16556.8	23839.7	24695.0	26975.4	26368.5
67.5°	2292.8	2438.3	2881.9	3646.8	3909.4	5687.5	12848.0	23740.3	27969.1	30354.2	29410.1
70°	1671.7	1774.6	2147.2	2881.9	3007.9	3164.1	7783.3	20180.5	27898.2	31252.1	30121.7
72.5°	1238.7	1309.6	1559.9	2236.0	2434.7	2136.6	3852.6	14666.9	23972.8	28267.3	27360.5
75°	896.2	949.4	1134.0	1710.7	1948.5	1627.3	1921.9	8571.2	16721.9	19884.2	20043.9
77.5°	685.0	725.8	846.5	1252.9	1559.9	1220.9	1192.5	3943.1	7928.8	7967.9	8415.1
80°	550.1	576.7	642.4	882.0	1196.1	913.9	777.3	1591.8	2505.7	2120.6	2225.3
82.5°	404.6	449.0	543.0	619.3	855.3	630.0	473.8	803.9	952.9	819.9	827.0
85°	230.7	260.9	328.3	443.6	546.6	385.1	271.5	356.7	443.6	363.8	324.7
87.5°	81.6	106.5	115.3	173.9	237.8	159.7	104.7	102.9	145.5	108.2	90.5
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°	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2	4903.2
2.5°	4938.7	4929.8	4894.3	4846.4	4796.7	4748.8	4732.8	4699.1	4676.0	4663.6	4677.8
5°	5038.0	5009.6	4926.2	4819.8	4708.0	4587.3	4502.1	4424.0	4367.2	4314.0	4335.3
7.5°	5180.0	5130.3	4986.6	4800.2	4601.5	4401.0	4251.9	4138.3	4062.0	4012.3	4023.0
10°	5345.0	5268.7	5048.7	4770.1	4463.1	4175.6	3999.9	3902.3	3854.4	3827.8	3834.9
12.5°	5534.9	5426.7	5112.6	4700.9	4251.9	3923.6	3802.9	3774.5	3776.3	3778.1	3781.6
15°	5769.2	5618.3	5164.0	4550.0	3976.8	3730.2	3708.9	3755.0	3802.9	3826.0	3824.2
17.5°	6033.6	5820.6	5172.9	4301.6	3707.1	3605.9	3673.4	3772.8	3845.5	3877.5	3884.6
20°	6317.5	6026.5	5109.0	3950.2	3485.3	3504.8	3625.5	3753.2	3833.1	3873.9	3884.6
22.5°	6642.2	6246.5	4956.4	3581.1	3304.3	3394.8	3536.7	3661.0	3744.4	3785.2	3795.8
25°	7013.1	6493.2	4716.8	3270.5	3148.1	3270.5	3412.5	3515.4	3582.9	3620.1	3630.8
27.5°	7424.8	6750.5	4397.4	3023.9	3011.5	3142.8	3259.9	3339.8	3375.2	3403.6	3414.3
30°	7838.3	6984.7	4010.5	2837.6	2892.6	3016.8	3100.2	3135.7	3146.3	3151.7	3164.1
32.5°	8285.5	7187.0	3604.2	2683.2	2779.0	2894.3	2944.0	2960.0	2910.3	2876.6	2887.2
35°	8826.8	7403.5	3206.7	2560.7	2667.2	2766.6	2782.5	2768.3	2709.8	2640.6	2644.1
37.5°	9495.8	7673.3	2889.0	2473.8	2562.5	2628.2	2608.6	2605.1	2610.4	2528.8	2534.1
40°	10315.6	8024.6	2656.5	2406.3	2477.3	2491.5	2436.5	2466.7	2493.3	2369.1	2372.6
42.5°	11226.0	8448.8	2509.3	2360.2	2406.3	2372.6	2287.4	2321.1	2317.6	2154.3	2152.6
45°	12154.1	8910.2	2457.8	2326.5	2340.7	2273.2	2179.2	2188.1	2113.5	1966.2	1971.6
47.5°	13076.9	9405.3	2489.7	2298.1	2259.0	2182.7	2110.0	2070.9	1960.9	1850.9	1850.9
50°	13981.9	9925.2	2606.9	2241.3	2147.2	2102.9	2049.6	1980.4	1863.3	1769.3	1762.2
52.5°	14821.3	10448.7	2738.2	2147.2	2007.0	2033.7	2000.0	1920.1	1804.7	1708.9	1710.7
55°	15616.3	10972.2	2789.6	2017.7	1875.7	1973.3	1953.8	1806.5	1668.1	1590.0	1582.9
57.5°	16482.3	11602.2	2732.9	1852.7	1769.3	1904.1	1829.6	1666.3	1586.5	1527.9	1522.6
60°	17681.9	12590.6	2610.4	1648.6	1668.1	1801.2	1673.4	1606.0	1519.0	1453.4	1449.8
62.5°	19674.8	14434.4	2413.4	1446.3	1549.2	1648.6	1598.9	1531.5	1442.7	1378.8	1378.8
65°	22620.6	16996.9	2042.5	1288.3	1416.1	1499.5	1519.0	1451.6	1359.3	1291.9	1295.4
67.5°	25105.0	18604.7	1545.7	1157.0	1279.5	1378.8	1433.9	1368.2	1270.6	1204.9	1206.7
70°	24968.3	17437.0	1180.1	1027.5	1158.8	1260.0	1330.9	1279.5	1174.8	1112.7	1118.0
72.5°	22176.9	14587.0	954.7	896.2	1036.4	1135.7	1220.9	1181.9	1075.4	1015.1	1015.1
75°	16292.4	10354.7	763.1	763.1	883.7	1006.2	1100.2	1075.4	977.8	935.2	922.8
77.5°	6867.6	4344.2	598.0	633.5	734.7	864.2	981.3	990.2	905.0	958.3	869.5
80°	1826.0	1197.8	456.1	498.7	576.7	713.4	853.6	850.0	757.7	708.1	658.4
82.5°	695.6	472.0	324.7	351.4	417.0	546.6	676.1	697.4	605.1	523.5	523.5
85°	268.0	202.3	200.5	211.2	243.1	362.0	511.1	528.8	456.1	386.9	399.3
87.5°	69.2	60.3	74.5	71.0	111.8	193.4	292.8	303.5	278.6	161.5	230.7
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)