

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: P940595

Luminaire Tested: **GALN-SB3D-727-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940595
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-SB3D-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28060 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1
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

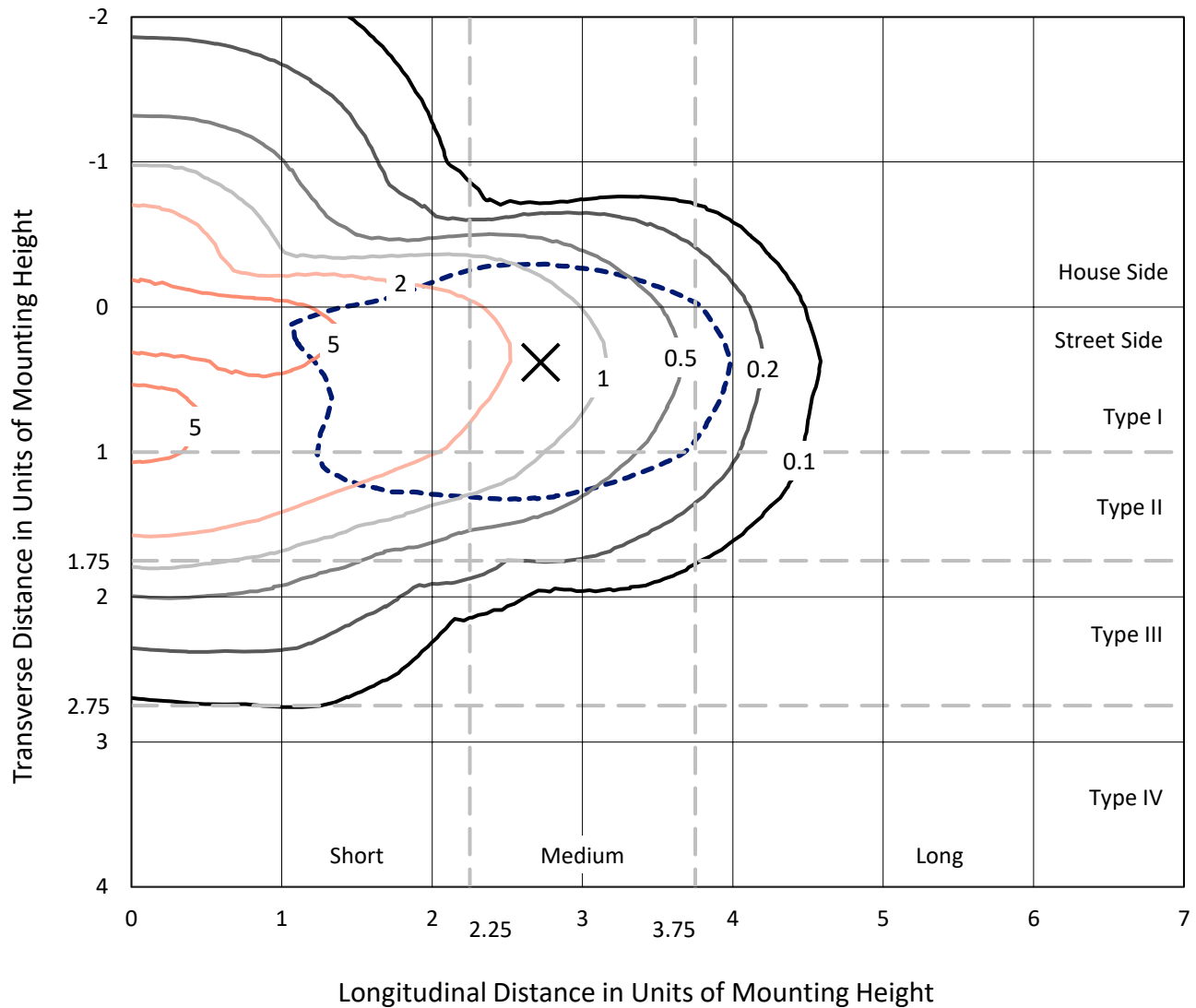


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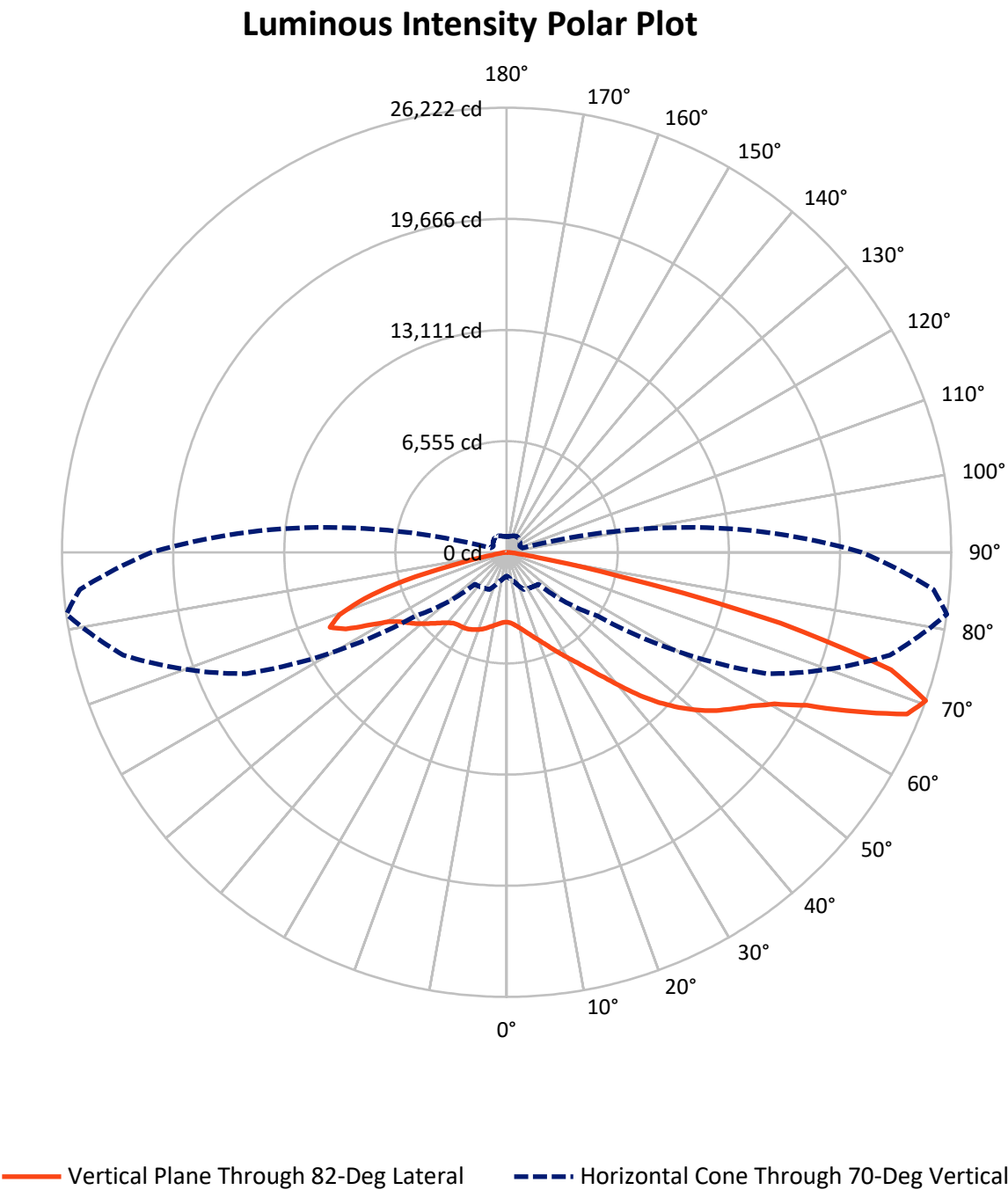
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6917.5	0.0	6917.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21142.5	0.0	21142.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	28060.0	0.0	28060.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.4	1.4
10°-20°	1116.0	4.0
20°-30°	1866.9	6.7
30°-40°	2916.6	10.4
40°-50°	4645.0	16.6
50°-60°	6464.2	23.0
60°-70°	6761.8	24.1
70°-80°	3534.1	12.6
80°-90°	367.0	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°	28060.0	100.0
0°-180°	28060.0	100.0

Coefficient of Utilization



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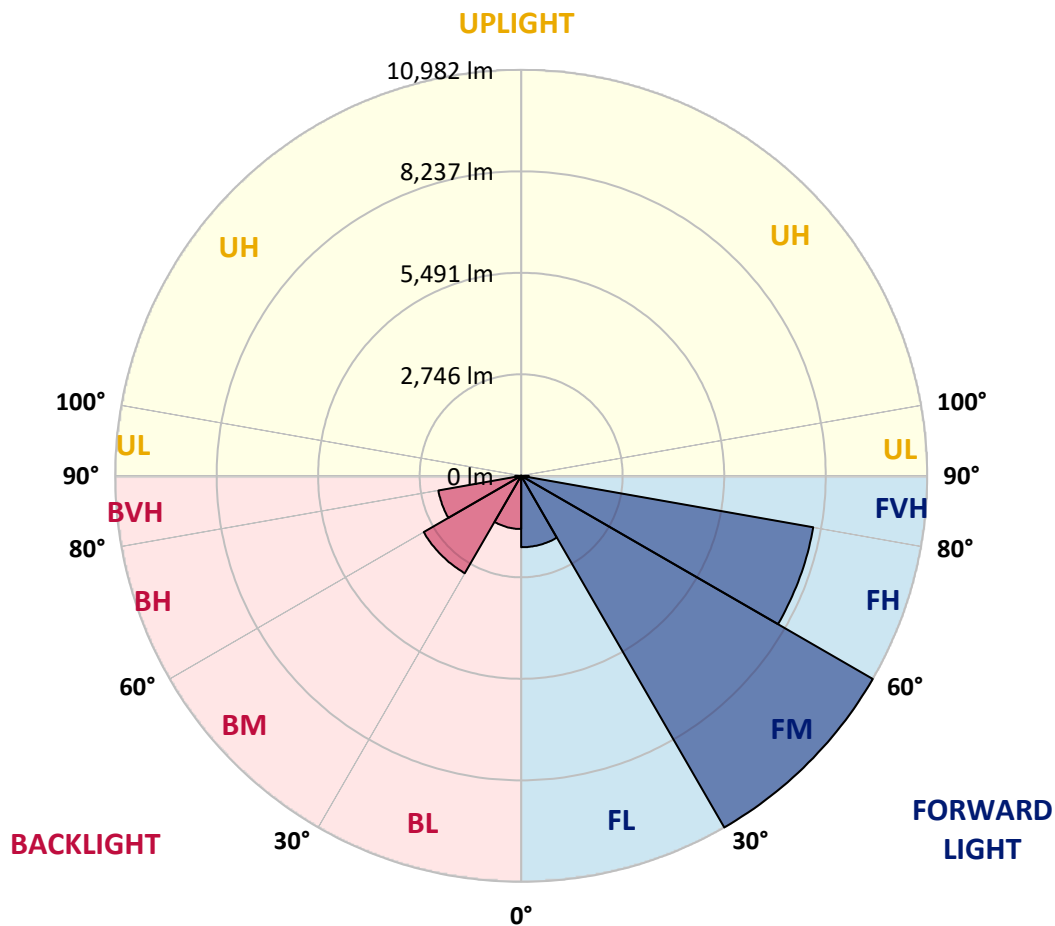
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1932.2	6.9			
FM	(30°-60°)	10982.4	39.1			
FH	(60°-80°)	8022.4	28.6			G4/12000
FVH	(80°-90°)	205.4	0.7			G2/225
BL	(0°-30°)	1439.1	5.1	B3/2500		
BM	(30°-60°)	3043.4	10.8	B3/5000		
BH	(60°-80°)	2273.4	8.1	B3/2500		G3/2500
BVH	(80°-90°)	161.5	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9
2.5°	4212.2	4236.0	4228.6	4221.2	4221.2	4210.7	4209.2	4194.3	4182.4	4163.1	4158.6
5°	4265.8	4291.1	4288.2	4294.1	4313.5	4317.9	4322.4	4313.5	4289.6	4265.8	4255.4
7.5°	4218.2	4246.5	4255.4	4291.1	4350.7	4404.3	4444.5	4460.9	4438.5	4404.3	4387.9
10°	4057.4	4088.6	4119.9	4204.8	4310.5	4437.0	4544.3	4608.3	4603.8	4571.1	4542.8
12.5°	3731.3	3764.0	3831.0	3996.3	4189.9	4413.2	4612.7	4746.7	4792.9	4769.1	4719.9
15°	3470.7	3499.0	3549.6	3719.4	3971.0	4310.5	4638.1	4898.6	5016.2	5002.8	4943.3
17.5°	3463.3	3475.2	3506.5	3586.9	3780.4	4149.7	4611.3	5047.5	5272.3	5270.9	5196.4
20°	3594.3	3598.8	3616.6	3633.0	3743.2	4027.6	4542.8	5171.1	5559.7	5559.7	5479.3
22.5°	3776.0	3773.0	3790.8	3776.0	3829.6	4017.2	4499.6	5279.8	5879.8	5903.7	5802.4
25°	4048.4	4033.5	4029.1	3994.8	4005.3	4113.9	4547.2	5403.4	6259.5	6308.6	6182.1
27.5°	4411.7	4387.9	4371.5	4292.6	4265.8	4313.5	4693.1	5552.3	6682.4	6767.2	6606.4
30°	4885.2	4842.0	4818.2	4681.2	4584.5	4591.9	4913.5	5750.3	7124.6	7261.6	7057.6
32.5°	5531.4	5464.4	5400.4	5175.6	4998.4	4940.3	5197.9	6024.3	7604.0	7822.9	7560.8
35°	6255.0	6201.4	6133.0	5786.0	5513.6	5379.5	5582.0	6406.9	8165.4	8512.3	8171.3
37.5°	6951.9	6905.7	6938.5	6470.9	6119.6	5924.5	6085.3	6920.6	8857.7	9369.9	8936.6
40°	7672.5	7636.8	7641.3	7194.6	6785.1	6566.2	6695.8	7565.3	9651.3	10389.8	9856.8
42.5°	8455.7	8428.9	8339.6	7943.5	7483.4	7279.4	7398.6	8309.8	10503.0	11551.2	10866.3
45°	9332.7	9316.3	9232.9	8778.8	8251.7	8022.4	8183.2	9131.7	11359.1	12644.1	11880.3
47.5°	10090.6	10104.0	10093.5	9710.9	9164.4	8827.9	9020.0	9989.3	12155.7	13671.5	12852.5
50°	10455.4	10525.3	10628.1	10509.0	10169.5	9827.0	9864.2	10817.2	12915.1	14634.8	13784.6
52.5°	10264.8	10397.3	10677.2	10867.8	10998.8	10927.3	10827.6	11639.1	13629.8	15504.4	14666.1
55°	9554.5	9740.7	10205.2	10665.3	11333.8	11853.5	11984.5	12550.3	14326.6	16269.7	15499.9
57.5°	8260.7	8562.9	8979.8	9910.4	11036.0	12301.6	13333.5	13814.4	15065.1	17087.1	16372.4
60°	6042.1	6447.1	6965.3	8350.0	9993.8	12061.9	14481.5	15756.0	16114.8	18145.7	17508.5
62.5°	3866.8	4116.9	4593.4	5897.7	7787.2	10833.5	14832.8	18183.0	17894.1	19881.8	19211.8
65°	2647.3	2808.1	3244.4	3977.0	5034.1	8064.1	13891.8	20002.4	20720.1	22633.4	22124.2
67.5°	1923.7	2045.8	2418.0	3059.8	3280.1	4772.1	10779.9	19919.1	23467.2	25468.4	24676.2
70°	1402.6	1488.9	1801.6	2418.0	2523.8	2654.8	6530.5	16932.2	23407.7	26221.8	25273.3
72.5°	1039.3	1098.8	1308.8	1876.1	2042.8	1792.7	3232.5	12306.1	20114.1	23717.4	22956.5
75°	751.9	796.6	951.4	1435.3	1634.9	1365.4	1612.5	7191.6	14030.3	16683.6	16817.6
77.5°	574.7	609.0	710.2	1051.2	1308.8	1024.4	1000.6	3308.4	6652.6	6685.3	7060.6
80°	461.6	483.9	539.0	740.0	1003.5	766.8	652.2	1335.6	2102.4	1779.3	1867.1
82.5°	339.5	376.7	455.6	519.6	717.7	528.6	397.5	674.5	799.6	687.9	693.8
85°	193.6	218.9	275.5	372.2	458.6	323.1	227.8	299.3	372.2	305.2	272.5
87.5°	68.5	89.3	96.8	145.9	199.5	134.0	87.8	86.4	122.1	90.8	75.9
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°	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9	4113.9
2.5°	4143.7	4136.3	4106.5	4066.3	4024.6	3984.4	3971.0	3942.7	3923.4	3912.9	3924.9
5°	4227.1	4203.3	4133.3	4044.0	3950.2	3848.9	3777.4	3711.9	3664.3	3619.6	3637.5
7.5°	4346.2	4304.5	4183.9	4027.6	3860.8	3692.6	3567.5	3472.2	3408.2	3366.5	3375.4
10°	4484.7	4420.7	4236.0	4002.3	3744.7	3503.5	3356.1	3274.2	3234.0	3211.6	3217.6
12.5°	4644.0	4553.2	4289.6	3944.2	3567.5	3292.1	3190.8	3167.0	3168.5	3170.0	3172.9
15°	4840.6	4714.0	4332.8	3817.6	3336.7	3129.8	3111.9	3150.6	3190.8	3210.2	3208.7
17.5°	5062.4	4883.7	4340.3	3609.2	3110.4	3025.5	3082.1	3165.5	3226.5	3253.3	3259.3
20°	5300.6	5056.4	4286.7	3314.4	2924.3	2940.7	3041.9	3149.1	3216.1	3250.4	3259.3
22.5°	5573.1	5241.1	4158.6	3004.7	2772.4	2848.3	2967.5	3071.7	3141.7	3175.9	3184.8
25°	5884.3	5448.0	3957.6	2744.1	2641.4	2744.1	2863.2	2949.6	3006.2	3037.4	3046.4
27.5°	6229.7	5663.9	3689.6	2537.2	2526.7	2636.9	2735.2	2802.2	2832.0	2855.8	2864.7
30°	6576.7	5860.5	3365.0	2380.8	2427.0	2531.2	2601.2	2631.0	2639.9	2644.4	2654.8
32.5°	6951.9	6030.2	3024.0	2251.3	2331.7	2428.5	2470.2	2483.6	2441.9	2413.6	2422.5
35°	7406.0	6211.9	2690.5	2148.5	2237.9	2321.3	2334.7	2322.7	2273.6	2215.5	2218.5
37.5°	7967.3	6438.2	2424.0	2075.6	2150.0	2205.1	2188.7	2185.8	2190.2	2121.7	2126.2
40°	8655.2	6733.0	2228.9	2019.0	2078.6	2090.5	2044.3	2069.6	2092.0	1987.7	1990.7
42.5°	9419.0	7088.9	2105.4	1980.3	2019.0	1990.7	1919.2	1947.5	1944.6	1807.6	1806.1
45°	10197.8	7476.0	2062.2	1952.0	1963.9	1907.3	1828.4	1835.9	1773.3	1649.7	1654.2
47.5°	10972.0	7891.4	2089.0	1928.2	1895.4	1831.4	1770.4	1737.6	1645.3	1553.0	1553.0
50°	11731.4	8327.7	2187.3	1880.5	1801.6	1764.4	1719.7	1661.7	1563.4	1484.5	1478.5
52.5°	12435.6	8766.9	2297.4	1801.6	1684.0	1706.3	1678.0	1611.0	1514.3	1433.9	1435.3
55°	13102.7	9206.1	2340.6	1692.9	1573.8	1655.7	1639.3	1515.7	1399.6	1334.1	1328.1
57.5°	13829.3	9734.7	2293.0	1554.5	1484.5	1597.6	1535.1	1398.1	1331.1	1282.0	1277.5
60°	14835.8	10564.0	2190.2	1383.2	1399.6	1511.3	1404.1	1347.5	1274.5	1219.4	1216.5
62.5°	16507.9	12111.1	2025.0	1213.5	1299.8	1383.2	1341.5	1285.0	1210.5	1156.9	1156.9
65°	18979.5	14261.1	1713.8	1081.0	1188.2	1258.2	1274.5	1218.0	1140.5	1083.9	1086.9
67.5°	21064.1	15610.1	1296.9	970.8	1073.5	1156.9	1203.1	1148.0	1066.1	1011.0	1012.5
70°	20949.4	14630.3	990.1	862.1	972.3	1057.1	1116.7	1073.5	985.7	933.6	938.0
72.5°	18607.3	12239.1	801.1	751.9	869.5	952.9	1024.4	991.6	902.3	851.7	851.7
75°	13670.0	8688.0	640.2	640.2	741.5	844.2	923.1	902.3	820.4	784.7	774.2
77.5°	5762.2	3644.9	501.8	531.6	616.4	725.1	823.4	830.8	759.4	804.0	729.6
80°	1532.1	1005.0	382.7	418.4	483.9	598.6	716.2	713.2	635.8	594.1	552.4
82.5°	583.7	396.1	272.5	294.8	349.9	458.6	567.3	585.2	507.7	439.2	439.2
85°	224.8	169.7	168.3	177.2	204.0	303.7	428.8	443.7	382.7	324.6	335.0
87.5°	58.1	50.6	62.5	59.6	93.8	162.3	245.7	254.6	233.8	135.5	193.6
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)