

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: P954115

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
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-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44747 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

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

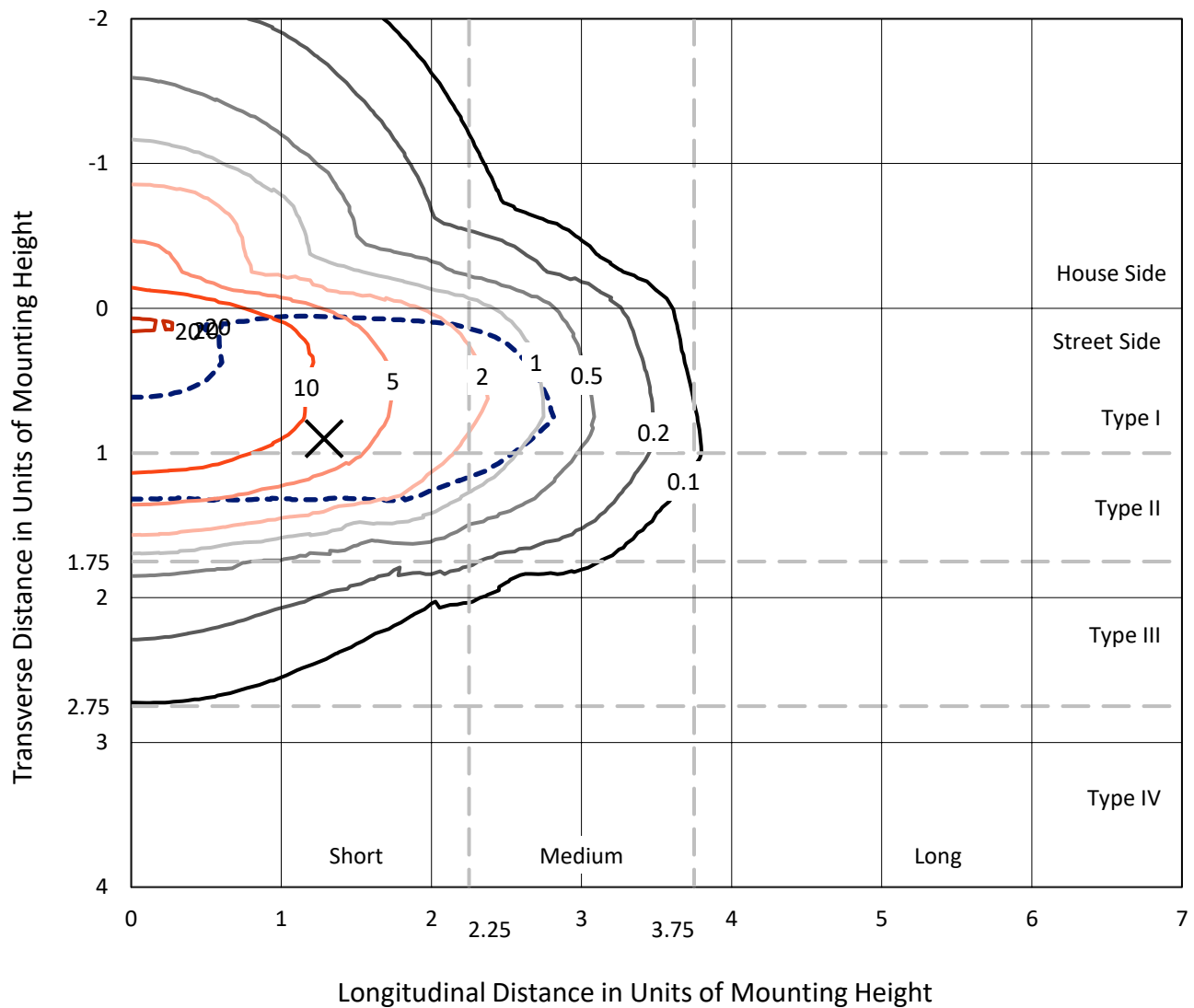


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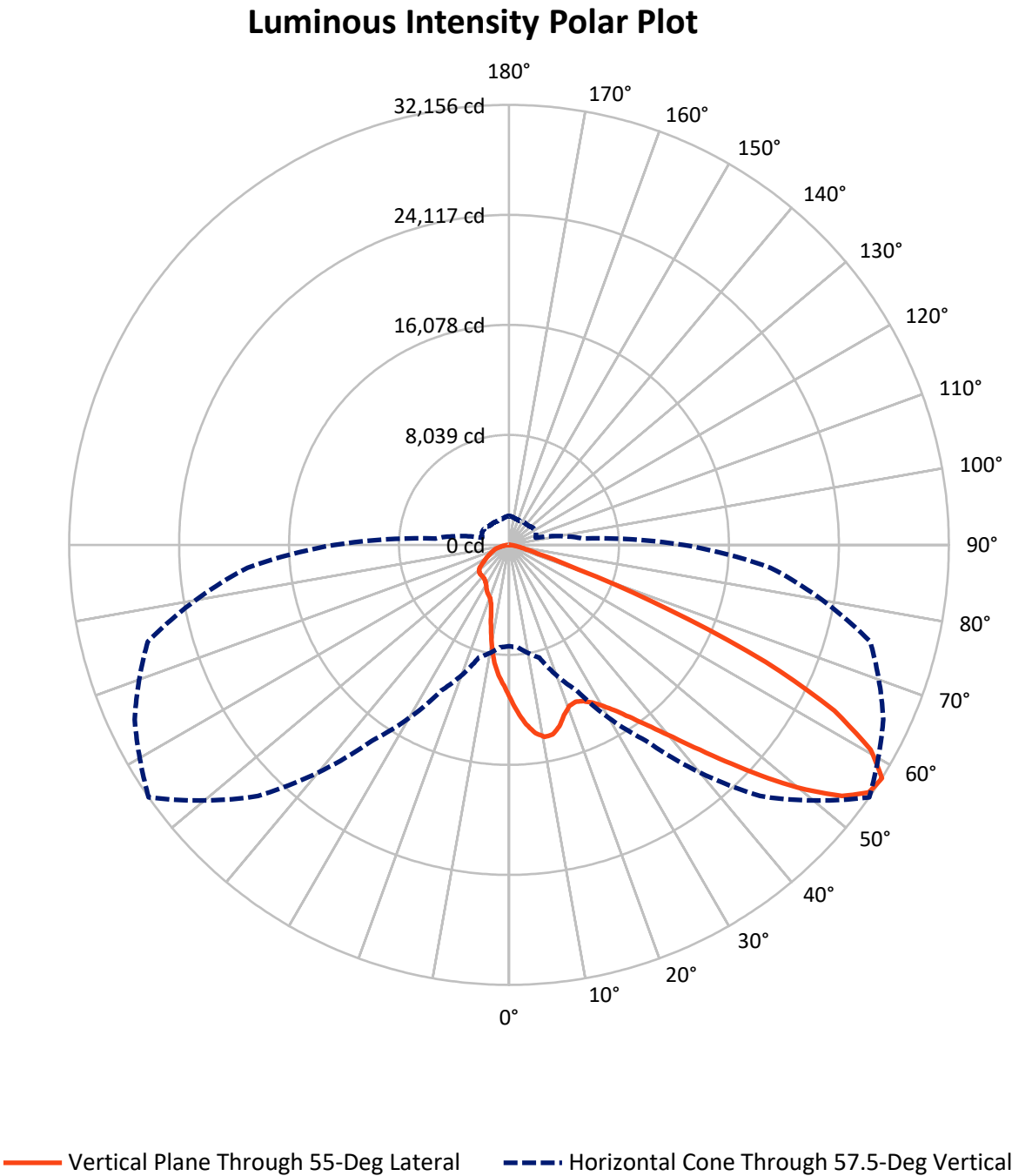
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.7 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8096.7	0.0	8096.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	36650.3	0.0	36650.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	44747.0	0.0	44747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1040.4	2.3
10°-20°	2626.1	5.9
20°-30°	4190.5	9.4
30°-40°	6634.5	14.8
40°-50°	10154.8	22.7
50°-60°	10876.8	24.3
60°-70°	6842.6	15.3
70°-80°	2023.5	4.5
80°-90°	357.8	0.8
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°	44747.0	100.0
0°-180°	44747.0	100.0

Coefficient of Utilization



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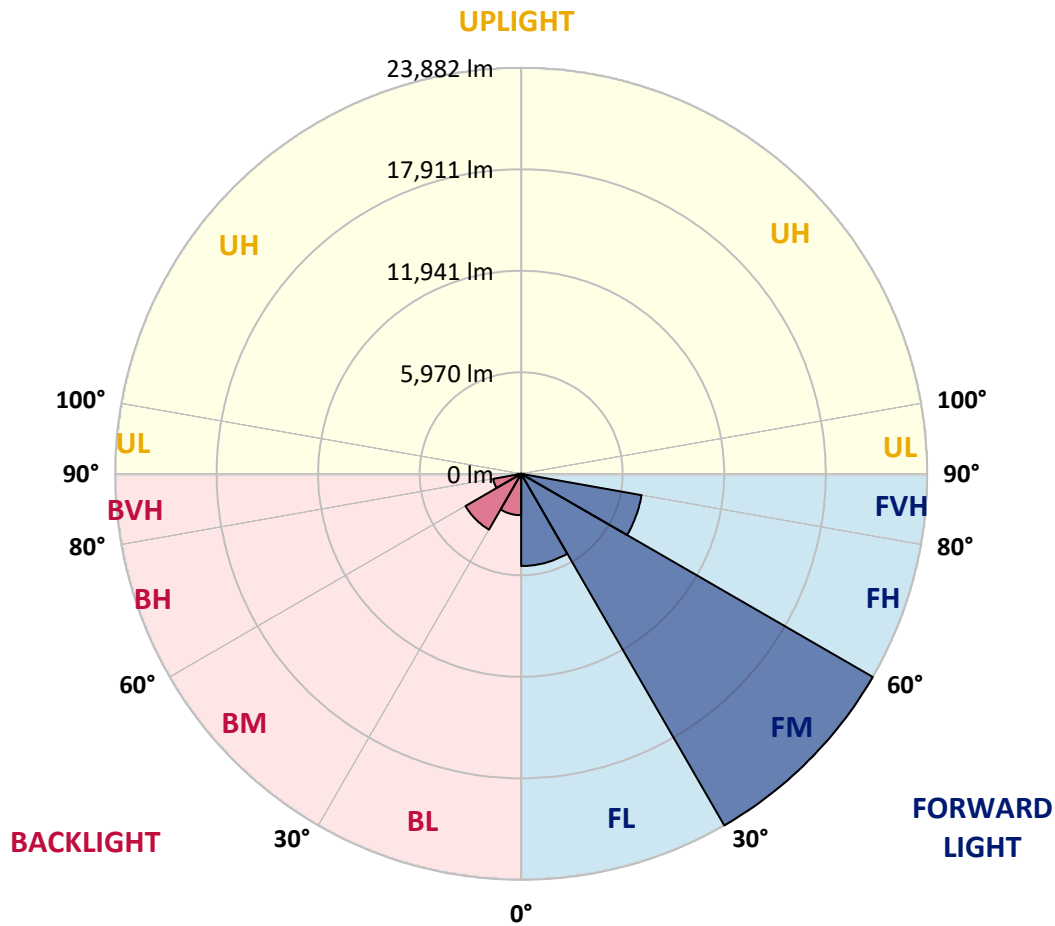
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5423.3	12.1			
FM	(30°-60°)	23881.8	53.4			
FH	(60°-80°)	7194.0	16.1			G3/7500
FVH	(80°-90°)	151.2	0.3			G2/225
BL	(0°-30°)	2433.6	5.4	B3/2500		
BM	(30°-60°)	3784.4	8.5	B3/5000		
BH	(60°-80°)	1672.2	3.7	B3/2500		G3/2500
BVH	(80°-90°)	206.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1
2.5°	12863.8	12854.5	12905.4	12731.9	12614.0	12454.3	12243.8	11975.5	11686.4	11381.0	11249.2
5°	14022.7	13941.7	13994.9	13865.4	13735.9	13495.3	13183.0	12745.8	12211.5	11603.1	11279.2
7.5°	13840.0	13784.4	13920.9	14036.6	14133.7	14103.7	13874.7	13416.6	12727.3	11843.7	11374.1
10°	12366.4	12304.0	12496.0	12896.2	13483.7	13994.9	14272.5	13988.0	13254.7	12107.4	11466.6
12.5°	11066.4	11036.3	11163.6	11487.4	12139.7	13120.5	14221.6	14487.7	13802.9	12419.6	11591.5
15°	10511.2	10474.2	10555.2	10719.4	11135.8	12049.5	13759.0	14830.0	14341.9	12780.5	11790.4
17.5°	10388.6	10347.0	10381.7	10467.3	10735.6	11431.9	13060.4	14998.9	14904.0	13183.0	11957.0
20°	10615.3	10580.6	10585.3	10580.6	10768.0	11320.9	12574.6	14934.1	15394.4	13553.1	12118.9
22.5°	11163.6	11105.7	11108.1	10985.5	11087.2	11515.2	12447.4	14760.6	15831.6	13877.0	12241.5
25°	12056.5	11952.4	11973.2	11660.9	11633.2	11950.1	12646.3	14626.4	16266.5	14136.0	12264.7
27.5°	13277.8	13159.9	13097.4	12632.5	12410.4	12567.7	13051.2	14672.7	16678.3	14360.4	12206.8
30°	14804.6	14661.1	14533.9	13874.7	13472.2	13414.3	13680.3	14978.1	17164.0	14596.4	12107.4
32.5°	16676.0	16509.4	16278.1	15403.7	14837.0	14533.9	14494.6	15521.7	17733.1	14897.1	12056.5
35°	18903.6	18686.1	18357.7	17226.5	16509.4	15889.5	15567.9	16305.8	18512.6	15350.5	12114.3
37.5°	21198.3	20953.1	20652.4	19306.1	18424.7	17511.0	16877.2	17369.9	19551.3	15965.8	12267.0
40°	23314.9	23039.6	22759.7	21561.5	20615.4	19514.3	18480.3	18716.2	20821.2	16701.4	12526.1
42.5°	24564.0	24360.5	24254.0	23606.3	22875.4	21758.1	20474.3	20312.3	22248.5	17548.0	12822.1
45°	24508.5	24425.2	24753.7	25022.0	24848.5	24228.6	22810.6	22077.3	23680.4	18281.3	13095.1
47.5°	23199.2	23254.7	23988.0	25496.2	26160.1	26484.0	25470.8	23809.9	24924.9	18829.6	13217.7
50°	19636.9	19683.1	21381.0	24633.4	26497.9	28323.0	28110.2	25500.9	25889.5	19165.0	13189.9
52.5°	16817.1	16847.1	17575.8	22075.0	25382.9	29248.3	30488.2	27094.7	26595.0	19257.5	13035.0
55°	12667.2	12771.3	13587.8	17319.0	22482.1	28515.0	31936.2	28737.1	27041.5	19266.8	12873.0
57.5°	7400.0	7513.3	8521.9	11755.8	17474.0	25958.9	32156.0	30194.4	27344.5	19192.7	12775.9
60°	3624.8	3673.4	4112.9	6178.6	10774.9	21034.1	30388.7	30899.9	27513.4	19153.4	12771.3
62.5°	2442.8	2435.8	2454.3	3048.8	5308.8	13513.8	26706.0	29664.6	27423.1	19003.0	12725.0
65°	2100.4	2075.0	2005.6	2139.7	2750.4	6180.9	20633.9	25977.4	26736.1	18626.0	12408.1
67.5°	1815.9	1818.2	1820.5	1778.9	1963.9	2852.2	12609.3	20462.7	24270.2	16840.2	11186.7
70°	1503.6	1524.4	1533.7	1533.7	1600.7	1871.4	5382.8	14025.0	19144.2	13203.8	9010.0
72.5°	1369.4	1325.5	1330.1	1307.0	1307.0	1424.9	2167.5	7950.5	12061.1	7427.7	5498.5
75°	1117.3	1145.0	1149.7	1133.5	1080.3	1087.2	1286.1	3335.7	5160.8	3081.2	2718.0
77.5°	964.6	964.6	973.9	962.3	920.7	814.3	858.2	1293.1	1755.7	1263.0	1357.9
80°	774.9	772.6	811.9	835.1	770.3	601.4	548.2	714.8	779.6	555.2	705.5
82.5°	377.1	400.2	557.5	636.1	585.2	434.9	335.4	444.1	416.4	245.2	316.9
85°	219.8	208.2	249.8	353.9	335.4	240.6	161.9	231.3	217.4	124.9	127.2
87.5°	69.4	64.8	50.9	120.3	97.2	67.1	44.0	67.1	60.1	27.8	27.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1	11212.1
2.5°	11084.9	10812.0	10541.3	10293.8	10143.4	10046.3	9949.1	9840.4	9798.8	9736.3
5°	10973.9	10446.5	9976.9	9572.1	9204.3	8915.1	8623.7	8387.7	8281.3	8353.0
7.5°	10909.1	10145.8	9421.7	8679.2	7964.4	7393.0	6895.7	6546.4	6389.1	6428.4
10°	10851.3	9805.7	8702.3	7529.5	6502.4	5794.6	5285.7	5019.7	4920.2	4941.0
12.5°	10798.1	9424.0	7834.9	6291.9	5200.1	4732.8	4587.1	4589.4	4607.9	4621.8
15°	10788.8	8963.7	6865.6	5209.4	4496.9	4466.8	4624.1	4723.6	4776.8	4793.0
17.5°	10774.9	8413.2	5877.9	4471.4	4325.7	4529.3	4675.0	4739.8	4781.4	4783.7
20°	10719.4	7714.6	4966.5	4119.8	4288.7	4464.5	4554.7	4605.6	4640.3	4651.9
22.5°	10548.3	6937.3	4256.3	3962.5	4140.7	4281.8	4388.2	4446.0	4466.8	4480.7
25°	10240.6	6067.6	3765.9	3812.2	3934.8	4112.9	4198.5	4210.0	4203.1	4223.9
27.5°	9838.1	5135.3	3460.6	3608.6	3765.9	3918.6	3964.8	3957.9	3944.0	3967.2
30°	9352.3	4298.0	3266.3	3379.6	3594.7	3733.5	3775.2	3759.0	3731.2	3756.7
32.5°	8838.8	3613.2	3106.6	3220.0	3453.6	3590.1	3631.7	3615.6	3594.7	3615.6
35°	8360.0	3134.4	2958.6	3113.6	3342.6	3476.8	3530.0	3532.3	3532.3	3557.7
37.5°	7920.4	2854.5	2836.0	3046.5	3266.3	3386.5	3462.9	3467.5	3368.0	3375.0
40°	7513.3	2736.5	2780.5	3002.6	3192.2	3307.9	3312.5	3053.4	2870.7	2866.1
42.5°	7180.2	2713.4	2796.7	2997.9	3139.0	3143.7	2817.5	2616.2	2565.4	2567.7
45°	6867.9	2706.5	2833.7	2997.9	3060.4	2715.7	2496.0	2442.8	2447.4	2465.9
47.5°	6518.6	2678.7	2840.6	2956.3	2833.7	2415.0	2350.2	2327.1	2317.8	2322.5
50°	6137.0	2579.2	2752.7	2873.0	2445.1	2285.5	2204.5	2197.6	2209.1	2216.1
52.5°	5734.5	2417.3	2602.4	2722.7	2266.9	2172.1	2081.9	2098.1	2149.0	2165.2
55°	5470.7	2227.6	2403.4	2421.9	2142.0	2065.7	1989.4	2026.4	2121.2	2151.3
57.5°	5401.4	2026.4	2176.7	2155.9	1982.4	1973.2	1926.9	1959.3	2079.6	2123.5
60°	5380.5	1845.9	1954.7	1938.5	1827.4	1871.4	1859.8	1876.0	1917.7	1931.5
62.5°	5218.6	1702.5	1755.7	1732.6	1688.6	1765.0	1792.7	1758.0	1790.4	1806.6
65°	4806.9	1586.9	1561.4	1545.2	1563.7	1633.1	1688.6	1619.2	1649.3	1695.6
67.5°	4126.8	1429.6	1360.2	1378.7	1436.5	1473.5	1545.2	1466.6	1492.0	1570.7
70°	3338.0	1230.6	1168.2	1221.4	1276.9	1353.2	1364.8	1311.6	1371.7	1459.6
72.5°	2361.8	1029.4	985.4	1094.1	1112.7	1212.1	1186.7	1161.2	1244.5	1274.6
75°	1637.8	830.4	805.0	888.3	955.4	1040.9	1022.4	1052.5	1228.3	1242.2
77.5°	1036.3	645.4	629.2	682.4	774.9	869.8	899.8	1242.2	2098.1	2181.4
80°	601.4	481.1	462.6	504.3	585.2	673.1	867.5	1524.4	1383.3	1367.1
82.5°	335.4	330.8	307.7	319.2	390.9	485.8	1226.0	1073.3	872.1	899.8
85°	157.3	194.3	166.6	159.6	219.8	569.1	818.9	613.0	407.1	397.9
87.5°	41.6	37.0	37.0	41.6	92.5	490.4	326.2	261.4	155.0	150.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)