

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: P952687

Luminaire Tested: **GALN-SB6C-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952687
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-SB6C-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 38155 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 300.9
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



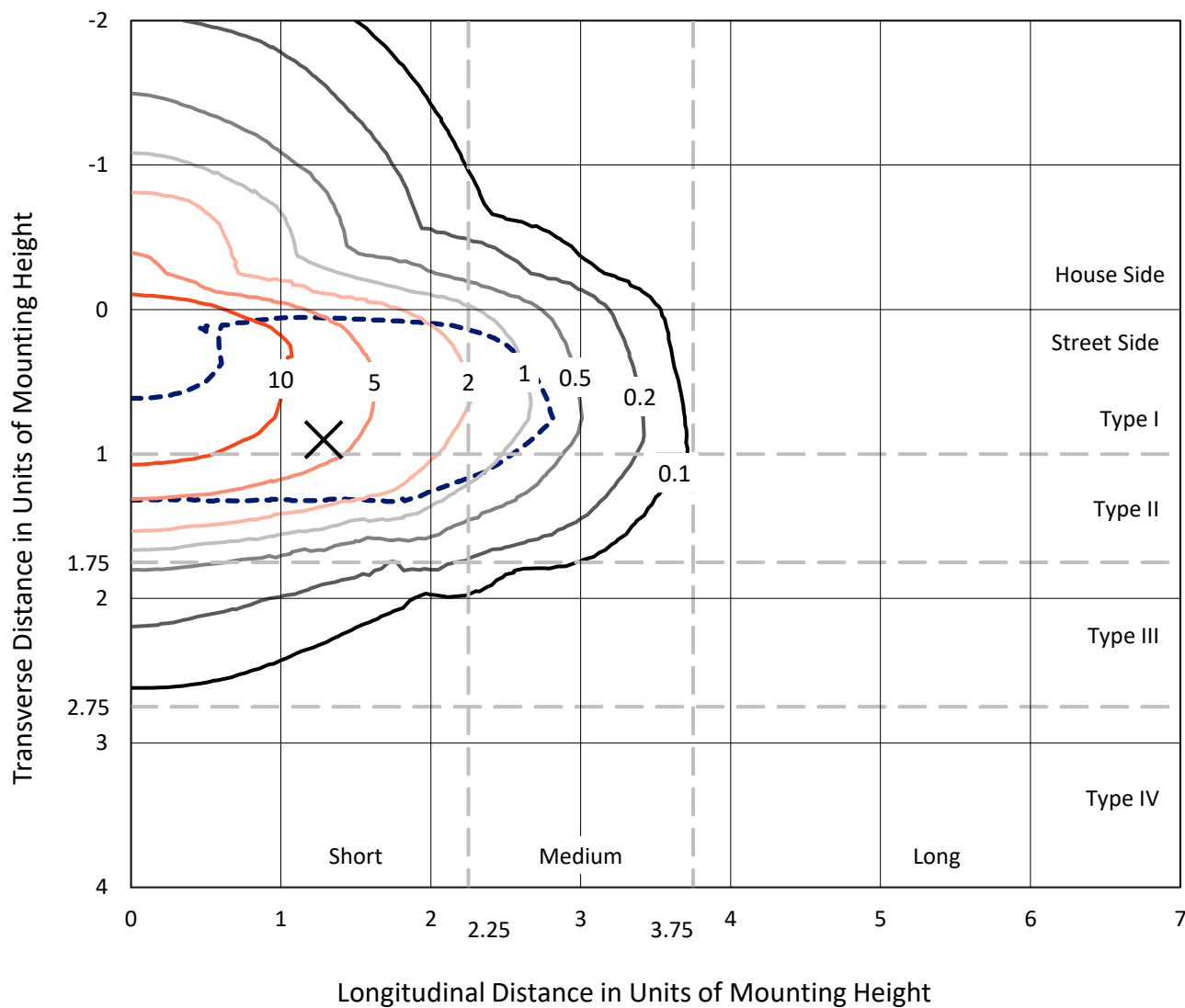
REPORT NUMBER: P952687

CATALOG NUMBER: GALN-SB6C-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

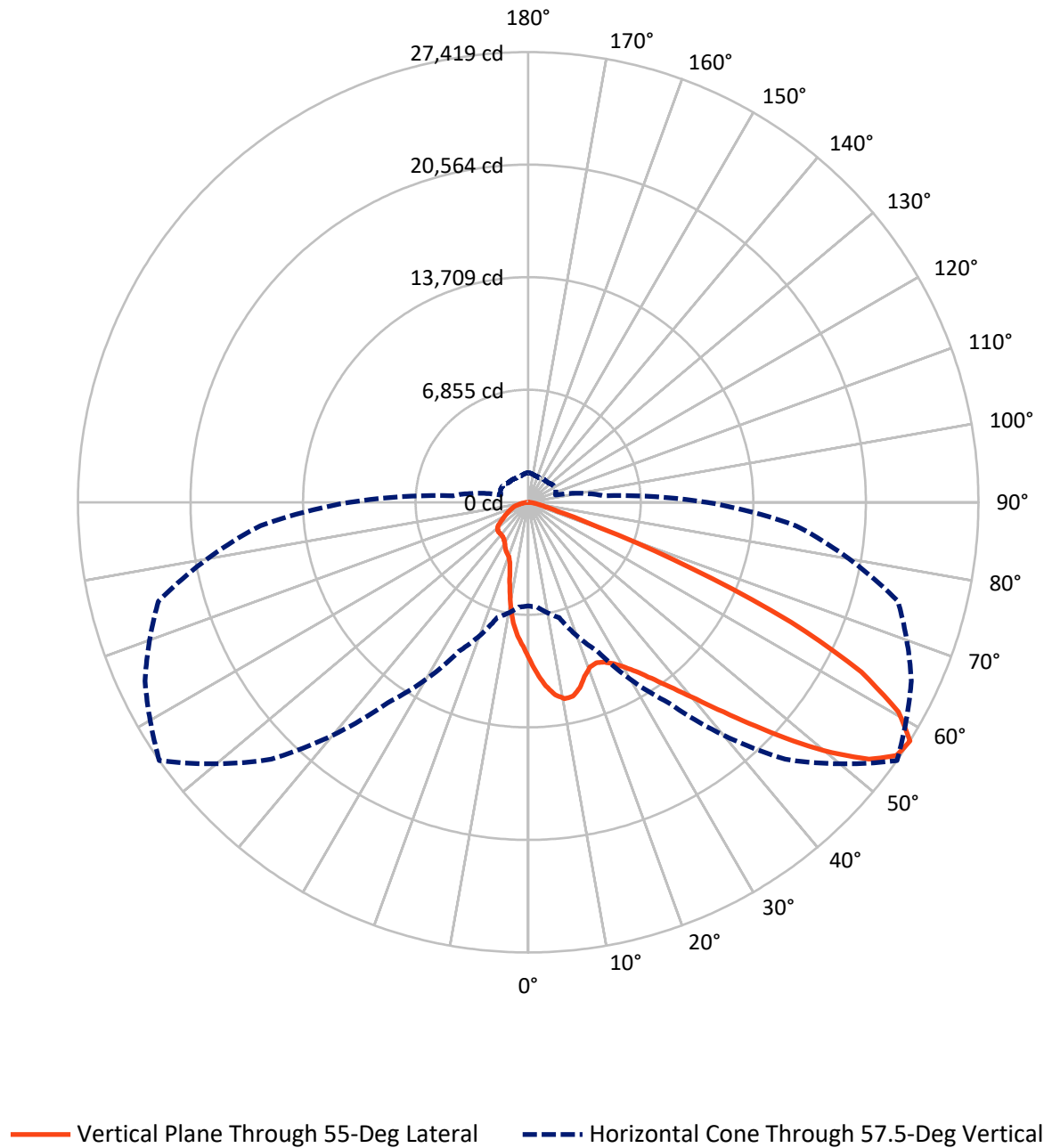


Based on 25 foot mounting height. Maximum calculated value = 18.5 fc
Type II - Short - N/A

REPORT NUMBER: P952687

CATALOG NUMBER: GALN-SB6C-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P952687

CATALOG NUMBER: GALN-SB6C-722-U-AFL

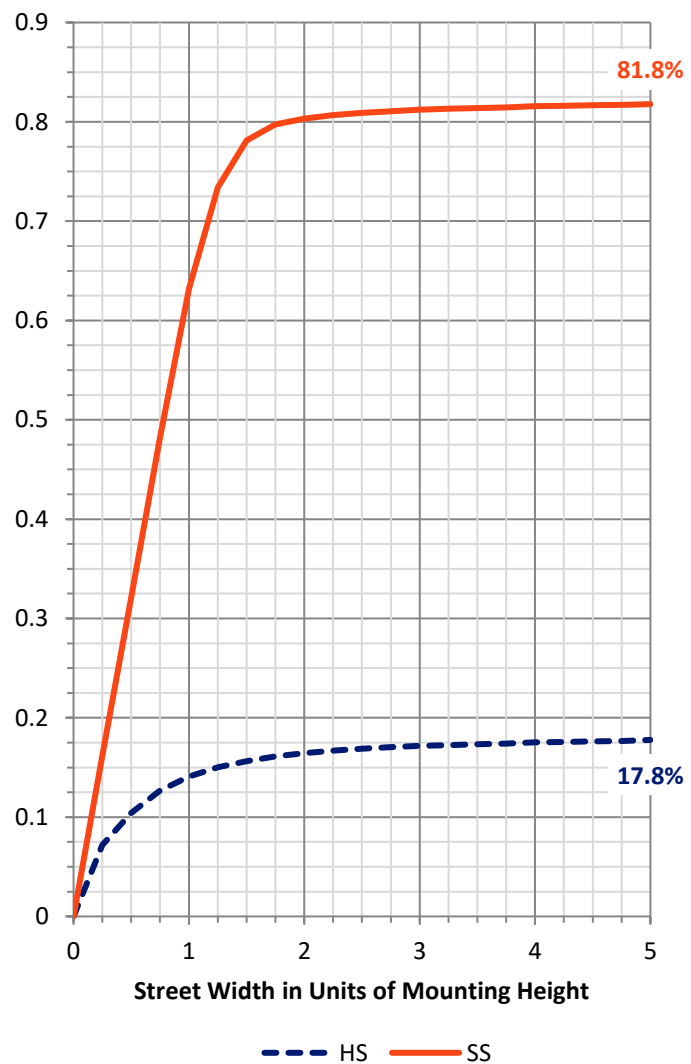
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6904.0	0.0	6904.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	31251.0	0.0	31251.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	38155.0	0.0	38155.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.1	2.3
10°-20°	2239.2	5.9
20°-30°	3573.1	9.4
30°-40°	5657.2	14.8
40°-50°	8658.8	22.7
50°-60°	9274.4	24.3
60°-70°	5834.6	15.3
70°-80°	1725.4	4.5
80°-90°	305.1	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°	38155.0	100.0
0°-180°	38155.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952687

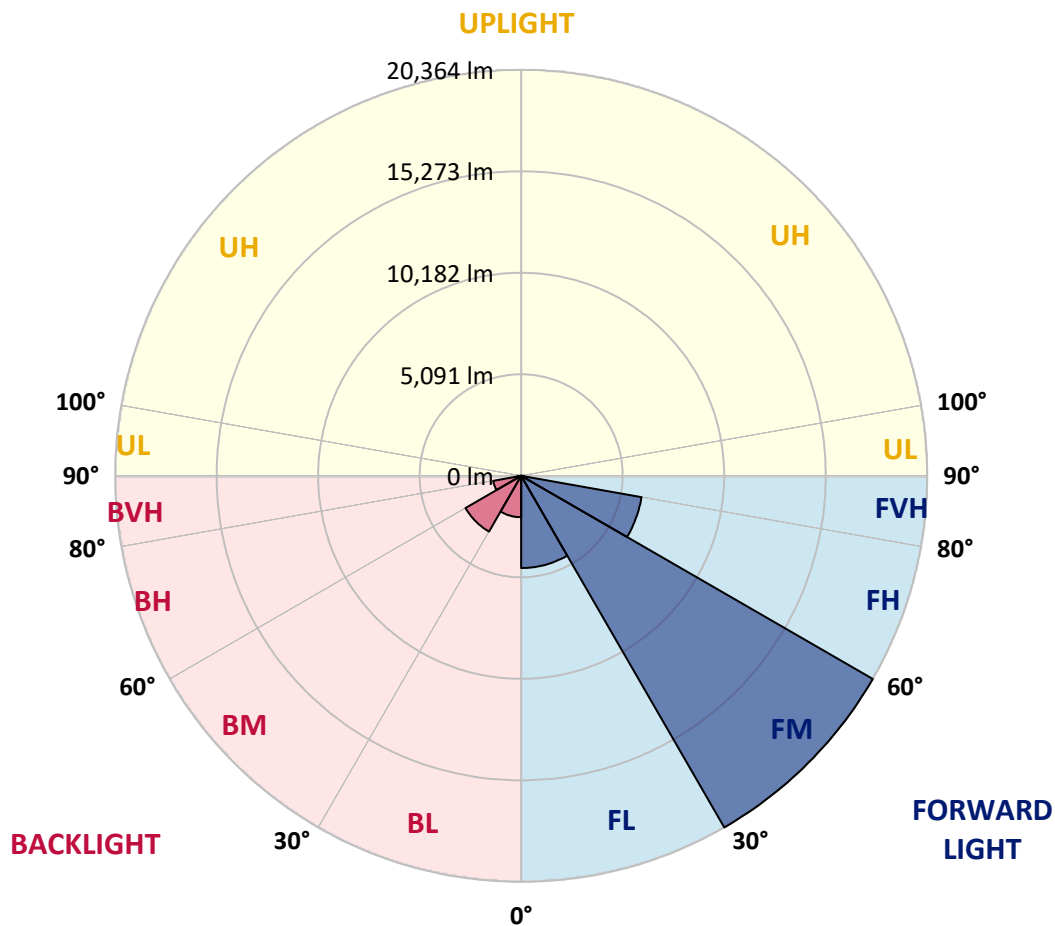
CATALOG NUMBER: GALN-SB6C-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4624.4	12.1			
FM	(30°-60°)	20363.6	53.4			
FH	(60°-80°)	6134.2	16.1			G3/7500
FVH	(80°-90°)	128.9	0.3			G2/225
BL	(0°-30°)	2075.1	5.4	B3/2500		
BM	(30°-60°)	3226.9	8.5	B3/5000		
BH	(60°-80°)	1425.8	3.7	B3/2500		G3/2500
BVH	(80°-90°)	176.2	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



REPORT NUMBER: P952687

CATALOG NUMBER: GALN-SB6C-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4
2.5°	10968.7	10960.8	11004.2	10856.3	10755.7	10619.6	10440.1	10211.3	9964.8	9704.4	9592.0
5°	11956.9	11887.9	11933.2	11822.8	11712.3	11507.2	11240.9	10868.1	10412.5	9893.7	9617.6
7.5°	11801.1	11753.8	11870.1	11968.8	12051.6	12026.0	11830.7	11440.1	10852.4	10098.9	9698.5
10°	10544.7	10491.4	10655.1	10996.3	11497.3	11933.2	12169.9	11927.3	11302.1	10323.7	9777.4
12.5°	9436.1	9410.5	9519.0	9795.1	10351.4	11187.7	12126.5	12353.4	11769.5	10590.0	9883.9
15°	8962.8	8931.2	9000.2	9140.3	9495.3	10274.4	11732.1	12645.3	12229.1	10897.7	10053.5
17.5°	8858.2	8822.7	8852.3	8925.3	9154.1	9747.8	11136.4	12789.3	12708.4	11240.9	10195.5
20°	9051.5	9021.9	9025.9	9021.9	9181.7	9653.1	10722.2	12734.1	13126.6	11556.5	10333.6
22.5°	9519.0	9469.7	9471.6	9367.1	9453.9	9818.8	10613.7	12586.1	13499.4	11832.7	10438.1
25°	10280.3	10191.6	10209.3	9943.1	9919.4	10189.6	10783.3	12471.7	13870.2	12053.6	10457.9
27.5°	11321.8	11221.2	11167.9	10771.5	10582.1	10716.3	11128.5	12511.2	14221.3	12244.9	10408.6
30°	12623.6	12501.3	12392.8	11830.7	11487.5	11438.2	11665.0	12771.5	14635.5	12446.1	10323.7
32.5°	14219.3	14077.3	13880.0	13134.5	12651.2	12392.8	12359.3	13235.1	15120.7	12702.5	10280.3
35°	16118.8	15933.4	15653.3	14688.7	14077.3	13548.7	13274.5	13903.7	15785.4	13089.1	10329.7
37.5°	18075.4	17866.3	17609.9	16462.0	15710.5	14931.4	14390.9	14811.0	16671.0	13613.8	10459.8
40°	19880.2	19645.5	19406.8	18385.1	17578.4	16639.5	15757.8	15959.0	17753.9	14241.0	10680.7
42.5°	20945.3	20771.7	20681.0	20128.7	19505.4	18552.7	17458.0	17320.0	18970.9	14962.9	10933.2
45°	20898.0	20827.0	21107.1	21335.9	21187.9	20659.3	19450.2	18824.9	20191.8	15588.2	11166.0
47.5°	19781.6	19828.9	20454.2	21740.2	22306.3	22582.4	21718.5	20302.3	21253.0	16055.6	11270.5
50°	16744.0	16783.5	18231.2	21004.5	22594.3	24150.5	23969.1	21744.2	22075.5	16341.6	11246.8
52.5°	14339.6	14365.3	14986.6	18823.0	21643.6	24939.5	25996.7	23103.2	22677.1	16420.5	11114.7
55°	10801.1	10889.8	11586.1	14767.6	19170.1	24314.2	27231.5	24503.6	23057.8	16428.4	10976.6
57.5°	6309.8	6406.5	7266.5	10023.9	14899.8	22134.7	27418.9	25746.2	23316.2	16365.3	10893.8
60°	3090.8	3132.2	3507.0	5268.4	9187.6	17935.4	25911.9	26347.8	23460.2	16331.8	10889.8
62.5°	2082.9	2077.0	2092.8	2599.7	4526.7	11523.0	22771.8	25294.5	23383.2	16203.6	10850.4
65°	1791.0	1769.3	1710.1	1824.5	2345.2	5270.4	17594.1	22150.5	22797.4	15882.1	10580.2
67.5°	1548.4	1550.3	1552.3	1516.8	1674.6	2432.0	10751.8	17448.2	20694.8	14359.3	9538.7
70°	1282.1	1299.8	1307.7	1307.7	1364.9	1595.7	4589.9	11958.9	16323.9	11258.7	7682.6
72.5°	1167.7	1130.2	1134.2	1114.4	1114.4	1215.0	1848.2	6779.3	10284.3	6333.5	4688.5
75°	952.7	976.4	980.3	966.5	921.1	927.0	1096.7	2844.3	4400.5	2627.3	2317.6
77.5°	822.5	822.5	830.4	820.5	785.0	694.3	731.8	1102.6	1497.1	1077.0	1157.8
80°	660.8	658.8	692.3	712.0	656.8	512.8	467.5	609.5	664.7	473.4	601.6
82.5°	321.5	341.2	475.4	542.4	499.0	370.8	286.0	378.7	355.0	209.1	270.2
85°	187.4	177.5	213.0	301.8	286.0	205.1	138.1	197.2	185.4	106.5	108.5
87.5°	59.2	55.2	43.4	102.6	82.8	57.2	37.5	57.2	51.3	23.7	23.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952687

CATALOG NUMBER: GALN-SB6C-722-U-AFL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4	9560.4
2.5°	9451.9	9219.2	8988.4	8777.3	8649.1	8566.3	8483.5	8390.7	8355.2	8302.0
5°	9357.2	8907.5	8507.1	8161.9	7848.3	7601.8	7353.2	7152.1	7061.3	7122.5
7.5°	9302.0	8651.1	8033.7	7400.6	6791.1	6303.9	5879.8	5582.0	5447.9	5481.4
10°	9252.7	8361.2	7420.3	6420.3	5544.5	4941.0	4507.0	4280.2	4195.4	4213.1
12.5°	9207.3	8035.7	6680.6	5365.0	4434.0	4035.6	3911.3	3913.3	3929.1	3940.9
15°	9199.4	7643.2	5854.2	4441.9	3834.4	3808.8	3942.9	4027.7	4073.1	4086.9
17.5°	9187.6	7173.8	5012.0	3812.7	3688.5	3862.0	3986.3	4041.5	4077.0	4079.0
20°	9140.3	6578.1	4234.8	3512.9	3656.9	3806.8	3883.7	3927.1	3956.7	3966.6
22.5°	8994.3	5915.3	3629.3	3378.8	3530.7	3651.0	3741.7	3791.0	3808.8	3820.6
25°	8732.0	5173.7	3211.1	3250.6	3355.1	3507.0	3580.0	3589.8	3583.9	3601.7
27.5°	8388.8	4378.8	2950.8	3077.0	3211.1	3341.3	3380.8	3374.8	3363.0	3382.7
30°	7974.6	3664.8	2785.1	2881.7	3065.2	3183.5	3219.0	3205.2	3181.5	3203.2
32.5°	7536.7	3080.9	2649.0	2745.6	2944.8	3061.2	3096.7	3082.9	3065.2	3082.9
35°	7128.4	2672.7	2522.7	2654.9	2850.2	2964.6	3009.9	3011.9	3011.9	3033.6
37.5°	6753.6	2434.0	2418.2	2597.7	2785.1	2887.6	2952.7	2956.7	2871.9	2877.8
40°	6406.5	2333.4	2370.9	2560.2	2722.0	2820.6	2824.5	2603.6	2447.8	2443.9
42.5°	6122.4	2313.7	2384.7	2556.3	2676.6	2680.5	2402.4	2230.8	2187.4	2189.4
45°	5856.2	2307.8	2416.2	2556.3	2609.5	2315.6	2128.3	2082.9	2086.8	2102.6
47.5°	5558.3	2284.1	2422.2	2520.8	2416.2	2059.2	2004.0	1984.3	1976.4	1980.3
50°	5232.9	2199.3	2347.2	2449.8	2084.9	1948.8	1879.7	1873.8	1883.7	1889.6
52.5°	4889.7	2061.2	2219.0	2321.6	1933.0	1852.1	1775.2	1789.0	1832.4	1846.2
55°	4664.8	1899.5	2049.4	2065.1	1826.5	1761.4	1696.3	1727.9	1808.7	1834.4
57.5°	4605.6	1727.9	1856.1	1838.3	1690.4	1682.5	1643.0	1670.7	1773.2	1810.7
60°	4587.9	1574.0	1666.7	1652.9	1558.2	1595.7	1585.8	1599.6	1635.2	1647.0
62.5°	4449.8	1451.7	1497.1	1477.4	1439.9	1505.0	1528.6	1499.1	1526.7	1540.5
65°	4098.7	1353.1	1331.4	1317.6	1333.4	1392.5	1439.9	1380.7	1406.3	1445.8
67.5°	3518.8	1219.0	1159.8	1175.6	1224.9	1256.4	1317.6	1250.5	1272.2	1339.3
70°	2846.2	1049.3	996.1	1041.4	1088.8	1153.9	1163.7	1118.4	1169.7	1244.6
72.5°	2013.9	877.7	840.3	933.0	948.7	1033.6	1011.9	990.2	1061.2	1086.8
75°	1396.5	708.1	686.4	757.4	814.6	887.6	871.8	897.5	1047.4	1059.2
77.5°	883.7	550.3	536.5	581.9	660.8	741.6	767.3	1059.2	1789.0	1860.0
80°	512.8	410.3	394.5	430.0	499.0	574.0	739.7	1299.8	1179.5	1165.7
82.5°	286.0	282.1	262.3	272.2	333.3	414.2	1045.4	915.2	743.6	767.3
85°	134.1	165.7	142.0	136.1	187.4	485.2	698.2	522.7	347.1	339.3
87.5°	35.5	31.6	31.6	35.5	78.9	418.2	278.1	222.9	132.2	128.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)