

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: P943812

Luminaire Tested: **GALN-SB8C-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943812
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-SB8C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 49589 lumens
Efficiency: N/A
Efficacy: 124.0 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): 399.8
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



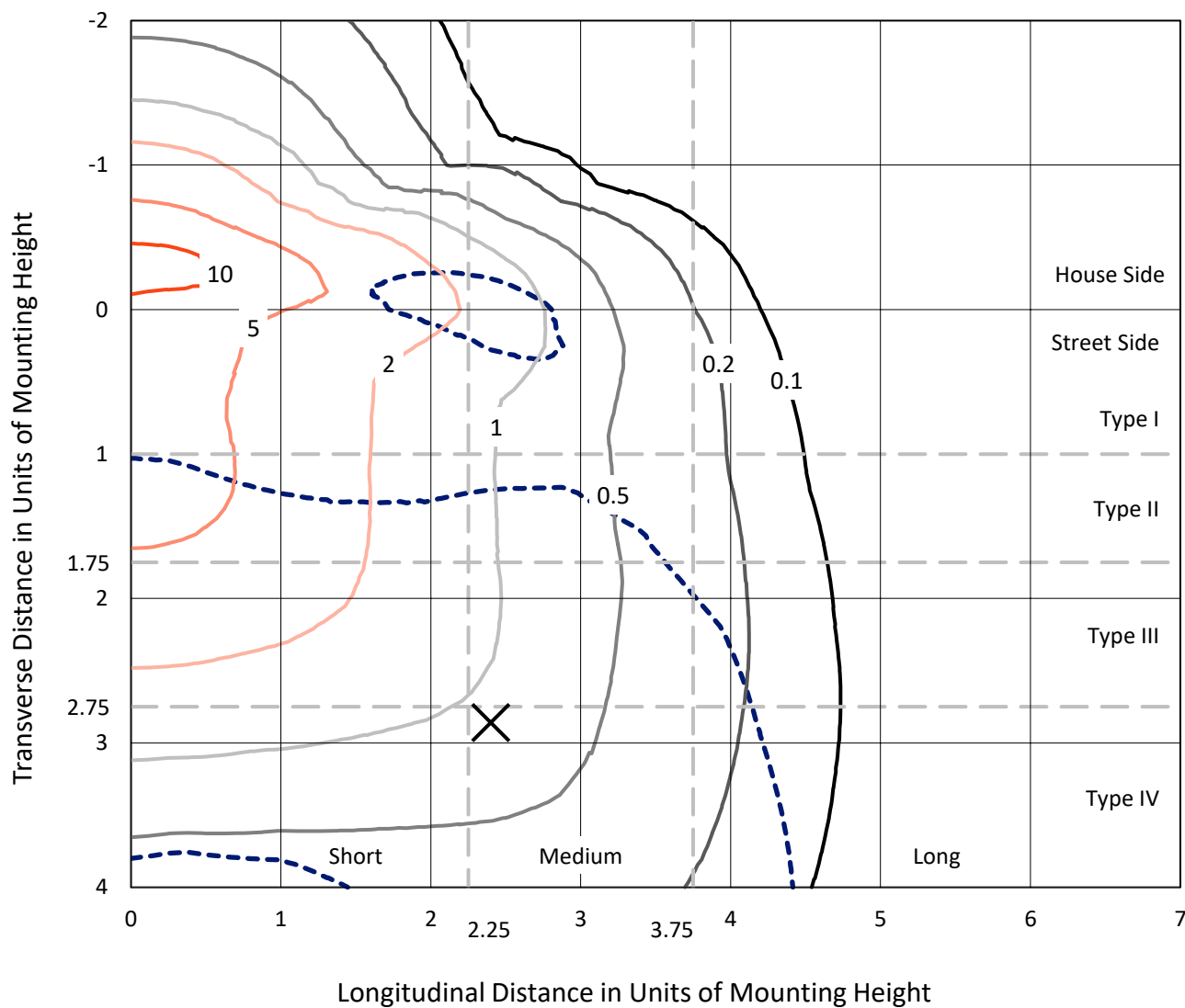
REPORT NUMBER: P943812

CATALOG NUMBER: GALN-SB8C-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

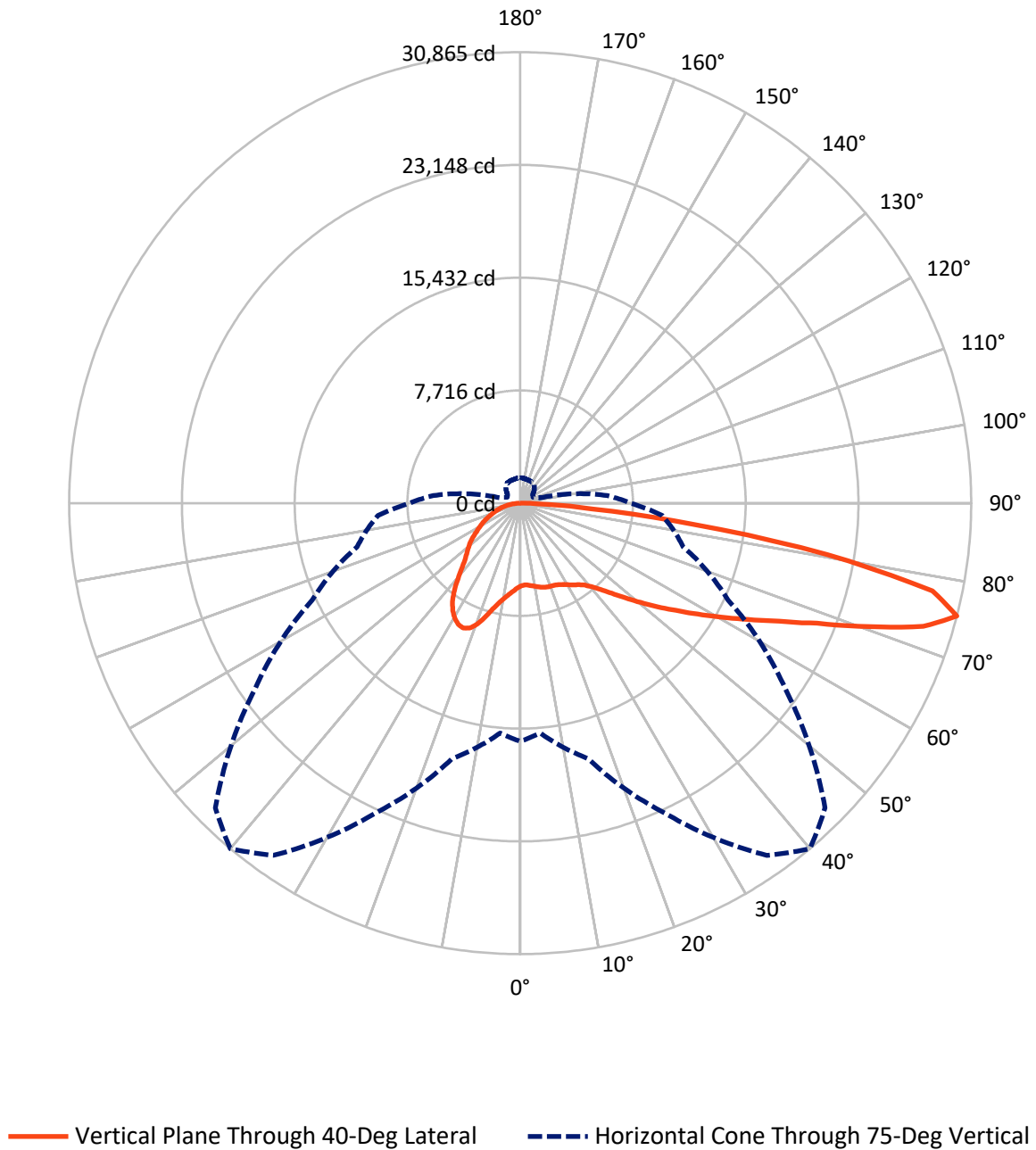


Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
Type IV - Medium - N/A

REPORT NUMBER: P943812

CATALOG NUMBER: GALN-SB8C-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P943812

CATALOG NUMBER: GALN-SB8C-722-U-SL4

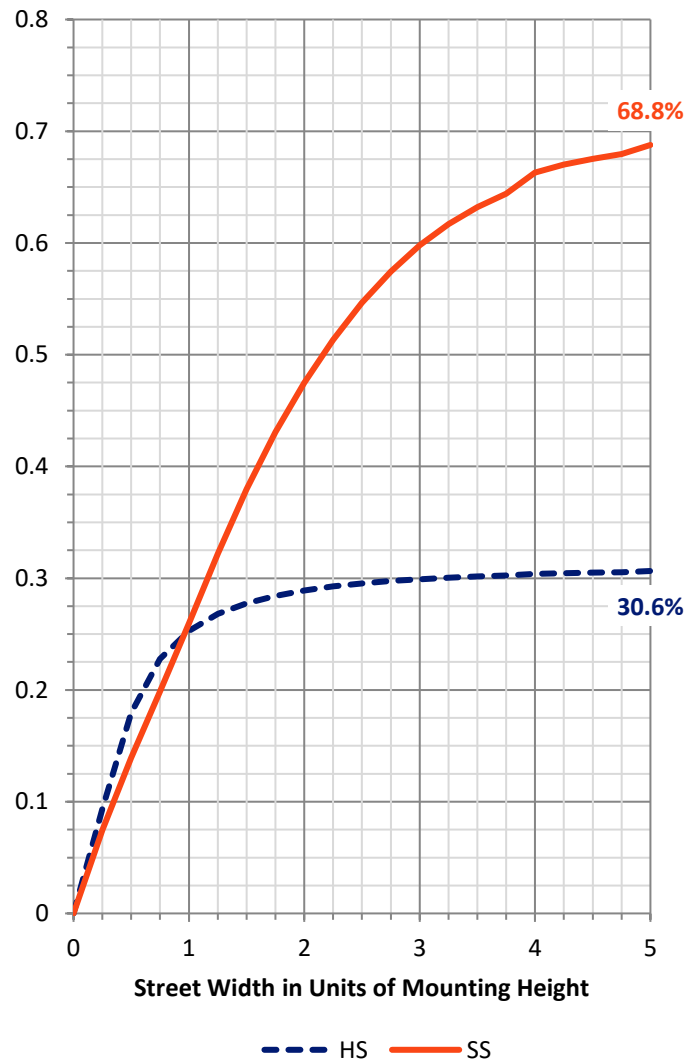
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15364.3	0.0	15364.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	34224.7	0.0	34224.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	49589.0	0.0	49589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.0	1.1
10°-20°	1900.4	3.8
20°-30°	3470.0	7.0
30°-40°	4921.4	9.9
40°-50°	6645.4	13.4
50°-60°	8939.9	18.0
60°-70°	11346.8	22.9
70°-80°	10297.9	20.8
80°-90°	1501.1	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°	49589.0	100.0
0°-180°	49589.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943812

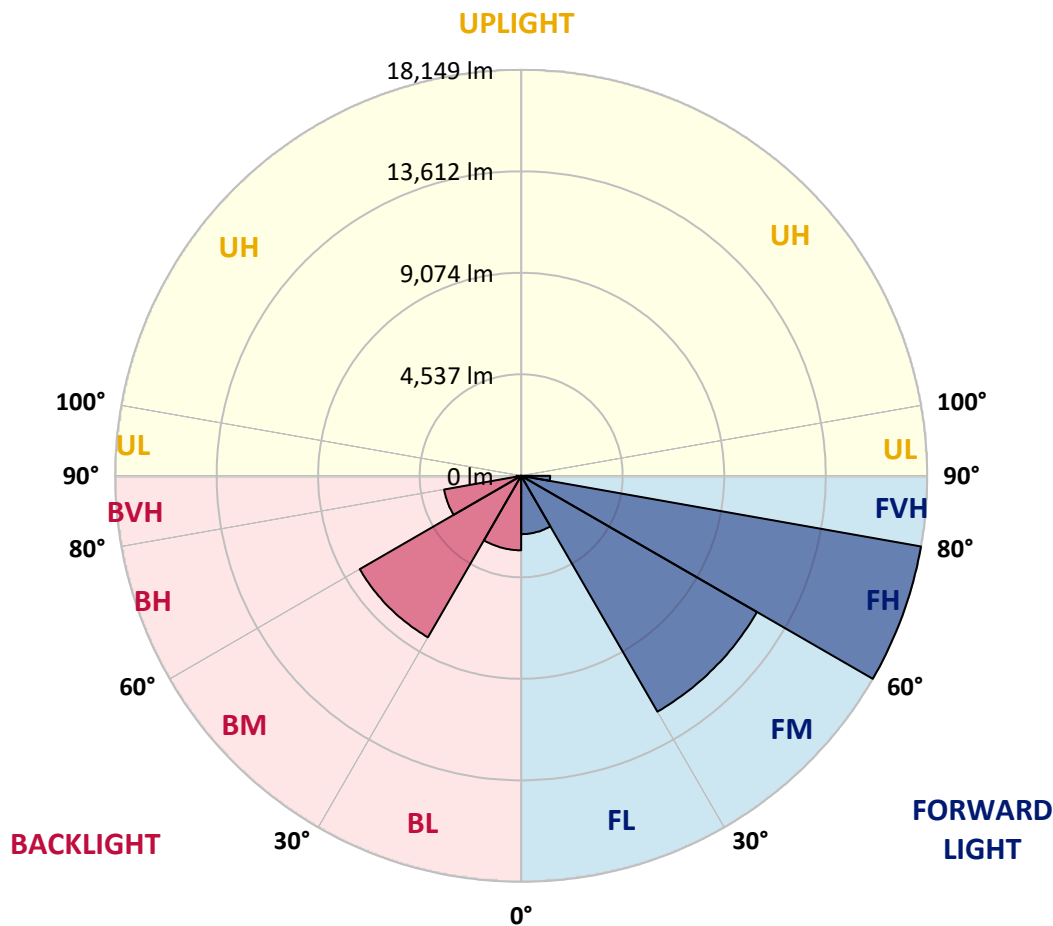
CATALOG NUMBER: GALN-SB8C-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2608.4	5.3			
FM	(30°-60°)	12173.0	24.5			
FH	(60°-80°)	18148.8	36.6			G5
FVH	(80°-90°)	1294.4	2.6			G5
BL	(0°-30°)	3328.1	6.7	B4/5000		
BM	(30°-60°)	8333.8	16.8	B4/8500		
BH	(60°-80°)	3495.8	7.0	B4/5000		G4/5000
BVH	(80°-90°)	206.7	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



REPORT NUMBER: P943812

CATALOG NUMBER: GALN-SB8C-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6
2.5°	5583.8	5615.3	5607.4	5596.9	5596.9	5599.6	5596.9	5615.3	5633.7	5652.2	5681.1
5°	5641.6	5673.2	5657.4	5644.3	5633.7	5631.1	5623.2	5620.6	5631.1	5654.8	5694.2
7.5°	5754.7	5786.3	5762.6	5739.0	5717.9	5707.4	5696.9	5681.1	5673.2	5686.3	5741.6
10°	5881.0	5912.5	5883.6	5841.5	5807.3	5794.2	5783.7	5767.9	5757.4	5765.3	5825.7
12.5°	6007.2	6038.8	5999.3	5941.5	5896.8	5888.9	5875.7	5870.5	5867.8	5865.2	5925.7
15°	6125.6	6151.9	6101.9	6033.5	5986.2	5973.0	5959.9	5967.8	5980.9	5996.7	6065.1
17.5°	6217.6	6243.9	6170.3	6080.9	6036.2	6030.9	6023.0	6049.3	6086.1	6125.6	6209.7
20°	6301.8	6328.1	6233.4	6112.4	6059.8	6059.8	6062.5	6117.7	6170.3	6228.2	6343.9
22.5°	6420.2	6441.2	6325.5	6159.8	6083.5	6088.8	6109.8	6165.0	6230.8	6309.7	6470.1
25°	6596.4	6612.2	6470.1	6249.2	6162.4	6178.2	6196.6	6222.9	6286.0	6378.1	6593.7
27.5°	6880.4	6893.6	6706.8	6407.0	6275.5	6301.8	6328.1	6309.7	6338.6	6417.5	6693.7
30°	7280.2	7288.1	7051.4	6654.2	6467.5	6480.6	6485.9	6409.6	6354.4	6417.5	6764.7
32.5°	7753.6	7751.0	7469.6	6954.1	6685.8	6672.6	6627.9	6478.0	6349.1	6404.4	6827.8
35°	8487.4	8458.5	8095.6	7374.9	6933.0	6851.5	6746.3	6554.3	6375.4	6391.2	6883.1
37.5°	9702.6	9613.1	9110.8	8064.0	7301.3	7093.5	6938.3	6677.9	6433.3	6386.0	6948.8
40°	11072.9	10959.8	10407.4	9008.2	7853.6	7519.6	7269.7	6854.1	6528.0	6409.6	7046.1
42.5°	12698.3	12537.8	11943.4	10120.8	8553.2	8069.3	7693.1	7077.7	6667.4	6485.9	7177.6
45°	14694.6	14481.5	13639.9	11375.3	9434.3	8789.9	8287.6	7417.0	6880.4	6633.2	7374.9
47.5°	16711.9	16764.5	15567.8	12811.4	10491.6	9678.9	9031.9	7927.2	7190.8	6869.9	7693.1
50°	18855.4	18892.3	17485.1	14402.6	11690.9	10683.6	9868.3	8498.0	7622.1	7206.6	8169.2
52.5°	20528.2	20533.5	19226.3	16067.5	12940.3	11788.3	10770.4	9150.2	8121.9	7653.7	8803.1
55°	21575.0	21561.8	20446.7	17642.9	14376.3	12948.1	11769.8	9891.9	8732.0	8179.7	9600.0
57.5°	22335.1	22295.6	21288.3	18997.5	15907.0	14318.4	12900.8	10733.6	9452.7	8805.7	10649.4
60°	22624.4	22600.7	21859.0	20167.9	17516.7	15833.4	14205.4	11675.2	10270.7	9544.8	11998.7
62.5°	22734.9	22779.6	22419.3	21301.5	19239.4	17511.4	15638.8	12800.9	11191.2	10381.1	13421.6
65°	23124.1	23205.7	23132.0	22784.8	21185.7	19476.1	17540.4	14139.6	12195.9	11278.0	14907.6
67.5°	23894.8	23976.3	24007.9	24560.2	23563.4	21924.8	19912.7	15807.1	13371.6	12209.1	16025.4
70°	23876.4	23852.7	24410.3	25972.6	26540.7	25315.0	23111.0	17858.6	14773.5	12982.3	16167.4
72.5°	21732.8	21543.4	22861.1	25956.8	29018.3	28855.2	27016.7	20504.5	15983.3	13077.0	14029.1
75°	16304.2	15799.2	18126.9	23392.4	29431.2	30864.6	29499.6	22145.7	15696.6	11554.2	9763.1
77.5°	6972.5	6464.9	9208.1	17316.8	26340.8	28852.6	27221.9	19321.0	12530.0	7640.5	4794.7
80°	1825.3	1822.7	2782.7	7850.9	17913.8	21306.7	18692.4	12477.4	7159.2	2730.1	1323.0
82.5°	754.8	736.4	1023.1	3053.6	8753.1	11956.6	9757.8	5565.4	2585.4	739.1	439.2
85°	281.4	278.8	497.1	1054.7	3087.8	4931.5	3569.1	1422.9	644.4	360.3	197.3
87.5°	78.9	76.3	107.8	365.6	752.2	1141.5	610.2	234.1	181.5	142.0	57.9
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: P943812

CATALOG NUMBER: GALN-SB8C-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6	5670.6
2.5°	5689.0	5702.1	5725.8	5744.2	5767.9	5794.2	5831.0	5854.7	5878.3	5894.1	5883.6
5°	5712.7	5741.6	5802.1	5862.6	5933.6	5999.3	6075.6	6130.8	6175.6	6188.7	6194.0
7.5°	5765.3	5812.6	5915.2	6017.7	6130.8	6238.7	6349.1	6443.8	6520.1	6549.0	6551.7
10°	5857.3	5920.4	6065.1	6209.7	6359.7	6525.4	6667.4	6804.2	6912.0	6956.7	6959.3
12.5°	5973.0	6051.9	6241.3	6441.2	6649.0	6877.8	7061.9	7230.2	7364.4	7424.9	7424.9
15°	6123.0	6225.5	6467.5	6735.8	7040.9	7359.1	7593.2	7779.9	7929.9	8003.5	7998.2
17.5°	6286.0	6422.8	6727.9	7132.9	7569.5	7987.7	8261.2	8398.0	8553.2	8624.2	8621.6
20°	6443.8	6612.2	7048.8	7637.9	8219.2	8663.7	8884.6	8921.4	8931.9	8939.8	8960.9
22.5°	6606.9	6833.1	7451.2	8274.4	8897.7	9205.5	9237.0	9079.2	8858.3	8755.7	8784.6
25°	6785.7	7085.6	7977.2	8976.6	9481.6	9518.5	9276.5	8892.5	8474.3	8282.3	8311.2
27.5°	6959.3	7377.5	8608.4	9647.3	9902.5	9578.9	9058.2	8513.7	8008.8	7806.2	7829.9
30°	7132.9	7711.6	9305.4	10233.9	10094.5	9429.0	8713.6	8106.1	7598.5	7385.4	7409.1
32.5°	7309.1	8100.8	10107.6	10657.3	10060.3	9110.8	8284.9	7648.4	7201.3	6977.7	7006.7
35°	7509.0	8579.5	10867.7	10888.8	9831.4	8642.6	7719.4	7101.4	6712.1	6533.3	6572.7
37.5°	7769.4	9187.1	11538.4	10946.6	9431.7	7956.2	7017.2	6454.3	6133.5	6051.9	6109.8
40°	8092.9	9918.2	12051.3	10854.6	8839.9	7122.4	6249.2	5799.4	5618.0	5636.4	5699.5
42.5°	8513.7	10736.2	12411.6	10617.8	8016.6	6262.3	5575.9	5376.0	5462.8	5536.4	5604.8
45°	9060.8	11585.7	12635.2	10215.4	7085.6	5533.8	5178.7	5226.1	5291.8	5299.7	5352.3
47.5°	9760.4	12445.8	12782.4	9607.9	6136.1	5020.9	4926.2	4936.8	4923.6	4868.4	4910.5
50°	10633.6	13282.2	12914.0	8803.1	5328.7	4700.0	4573.8	4537.0	4355.5	4176.7	4200.3
52.5°	11627.8	14050.2	12969.2	7803.6	4700.0	4431.8	4226.6	3995.2	3655.9	3600.7	3619.1
55°	12732.5	14760.3	12827.2	6575.3	4171.4	4087.2	3776.9	3498.1	3461.3	3413.9	3421.8
57.5°	14052.8	15525.7	12537.8	5205.0	3629.6	3684.8	3382.4	3413.9	3348.2	3274.5	3261.4
60°	15496.7	16317.3	12030.2	3955.7	3069.4	3182.5	3279.8	3277.1	3258.7	3198.2	3177.2
62.5°	16796.0	16838.1	11030.8	3029.9	2577.5	2793.2	3058.8	3056.2	3040.4	3006.2	2993.1
65°	17569.3	16759.2	9363.3	2385.5	2172.5	2472.3	2759.0	2780.1	2782.7	2780.1	2780.1
67.5°	17432.5	15836.0	7075.1	1899.0	1838.5	2146.2	2461.8	2490.7	2511.8	2517.0	2522.3
70°	15886.0	13808.2	4613.3	1515.0	1541.3	1859.5	2180.4	2209.3	2227.7	2248.8	2259.3
72.5°	12382.7	10152.3	2640.7	1225.6	1280.9	1612.3	1901.6	1935.8	1946.3	1985.8	2001.5
75°	7545.9	5970.4	1425.5	965.3	1052.1	1378.2	1625.4	1664.9	1683.3	1730.6	1735.9
77.5°	3587.5	2585.4	812.7	752.2	846.9	1125.7	1372.9	1417.6	1367.7	1394.0	1372.9
80°	1212.5	960.0	512.9	573.4	647.0	878.5	1099.4	1144.1	1038.9	1033.6	1023.1
82.5°	423.5	389.3	326.1	381.4	418.2	628.6	831.1	889.0	773.3	770.6	733.8
85°	165.7	157.8	181.5	207.8	249.9	386.6	547.1	576.0	476.1	384.0	378.7
87.5°	34.2	36.8	44.7	47.3	76.3	134.1	197.3	242.0	192.0	163.1	149.9
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)