

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: P953070

Luminaire Tested: **GALN-SB6D-727-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6D-727-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55939 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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



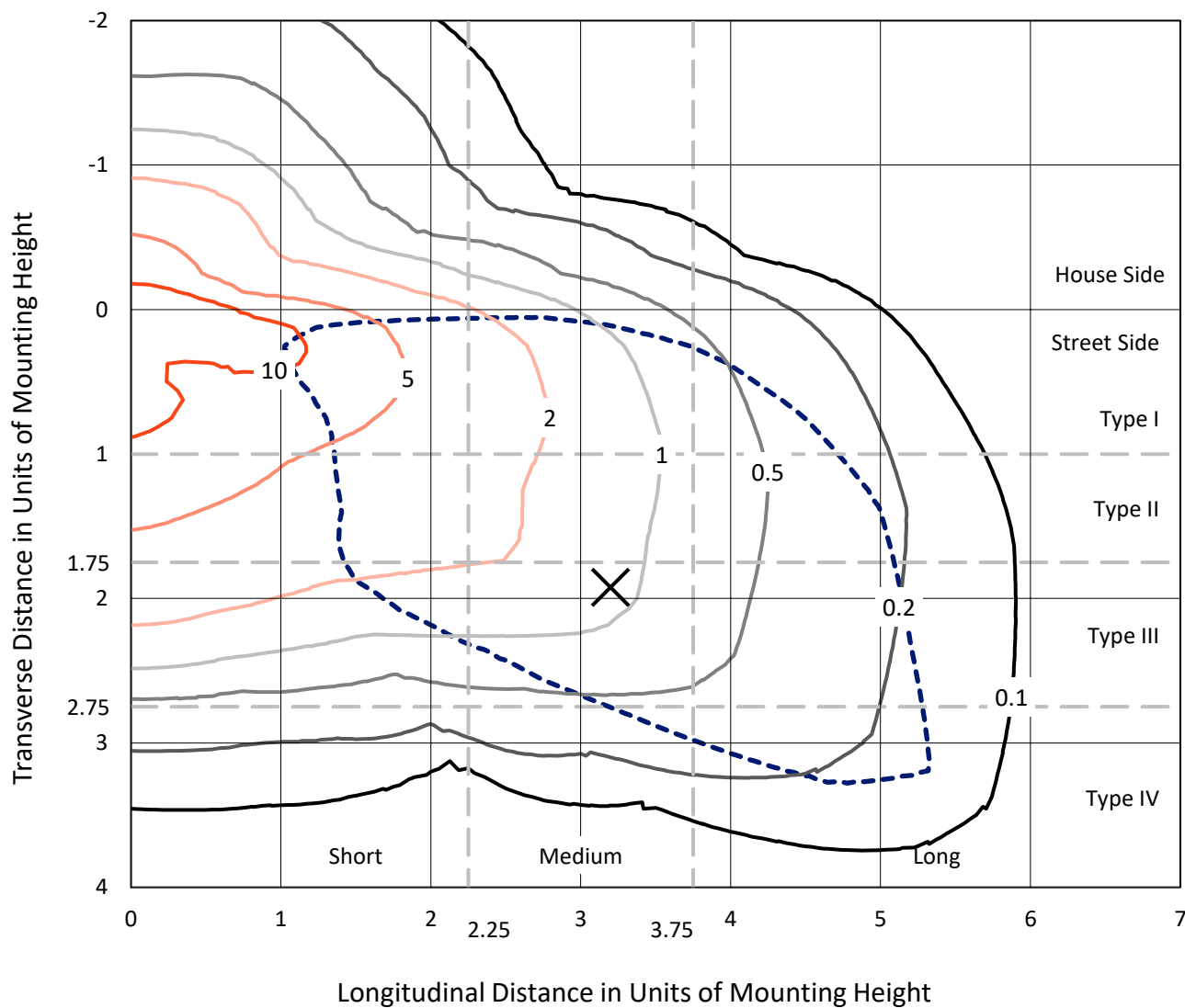
REPORT NUMBER: P953070

CATALOG NUMBER: GALN-SB6D-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

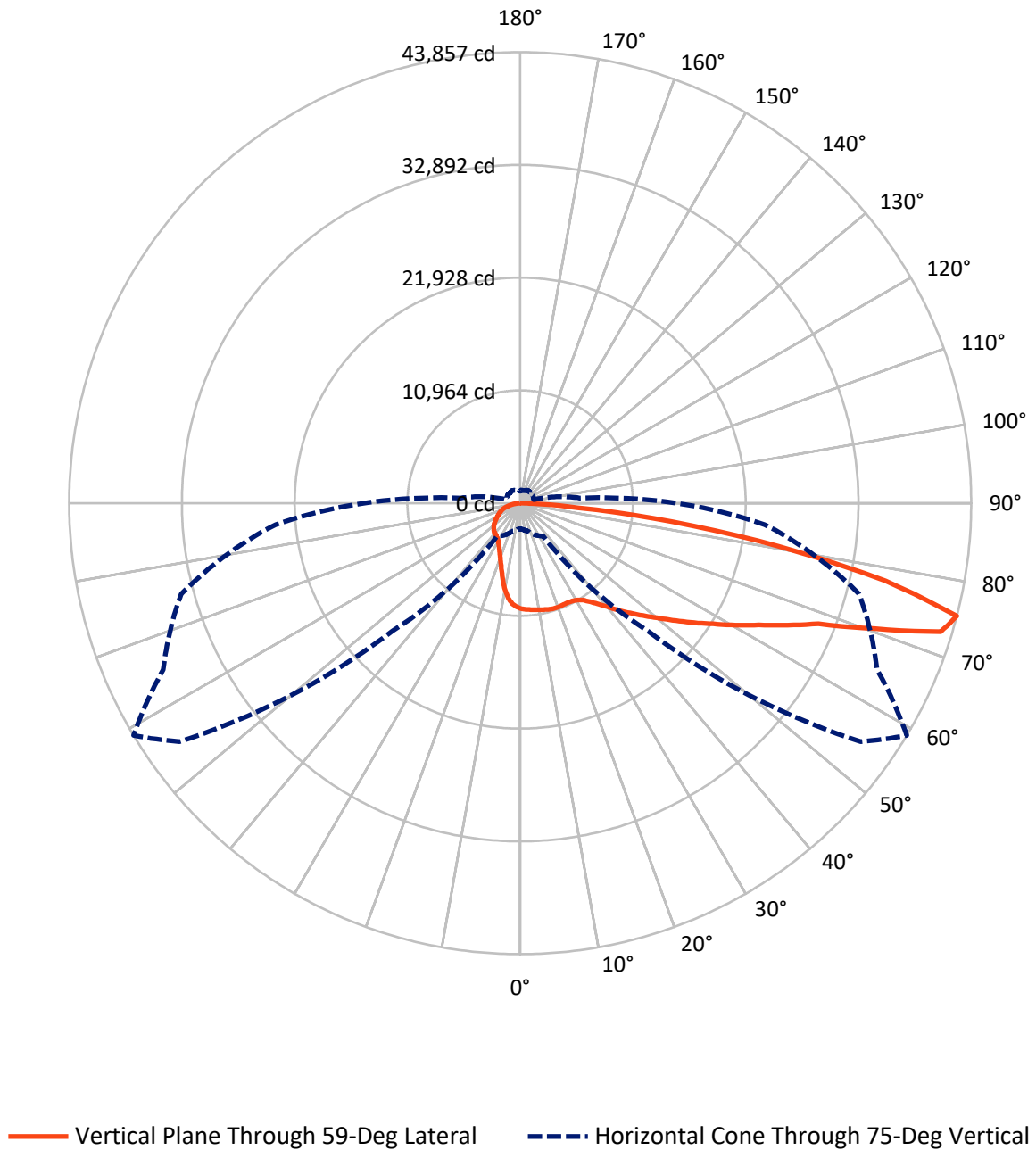


Based on 25 foot mounting height. Maximum calculated value = 16.4 fc

Type IV - Medium - N/A

REPORT NUMBER: P953070
CATALOG NUMBER: GALN-SB6D-727-U-SL3

Luminous Intensity Polar Plot



REPORT NUMBER: P953070

CATALOG NUMBER: GALN-SB6D-727-U-SL3

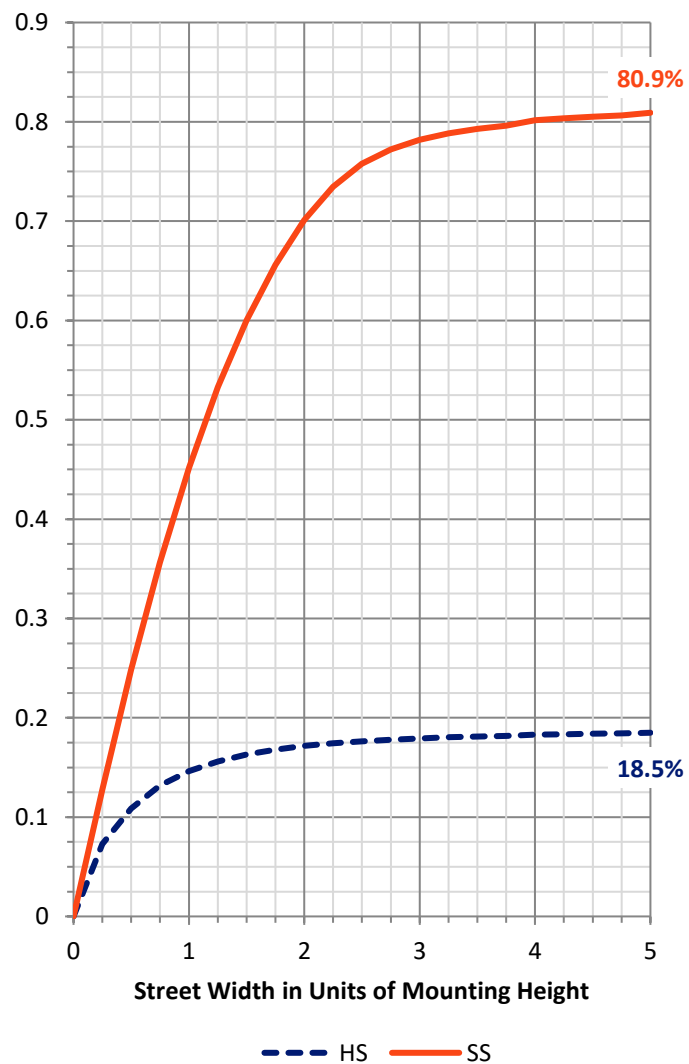
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10491.7	0.0	10491.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	45447.3	0.0	45447.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	55939.0	0.0	55939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	920.6	1.6
10°-20°	2353.2	4.2
20°-30°	3574.4	6.4
30°-40°	5313.2	9.5
40°-50°	7901.7	14.1
50°-60°	10725.6	19.2
60°-70°	13094.2	23.4
70°-80°	10276.1	18.4
80°-90°	1780.1	3.2
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°	55939.0	100.0
0°-180°	55939.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953070

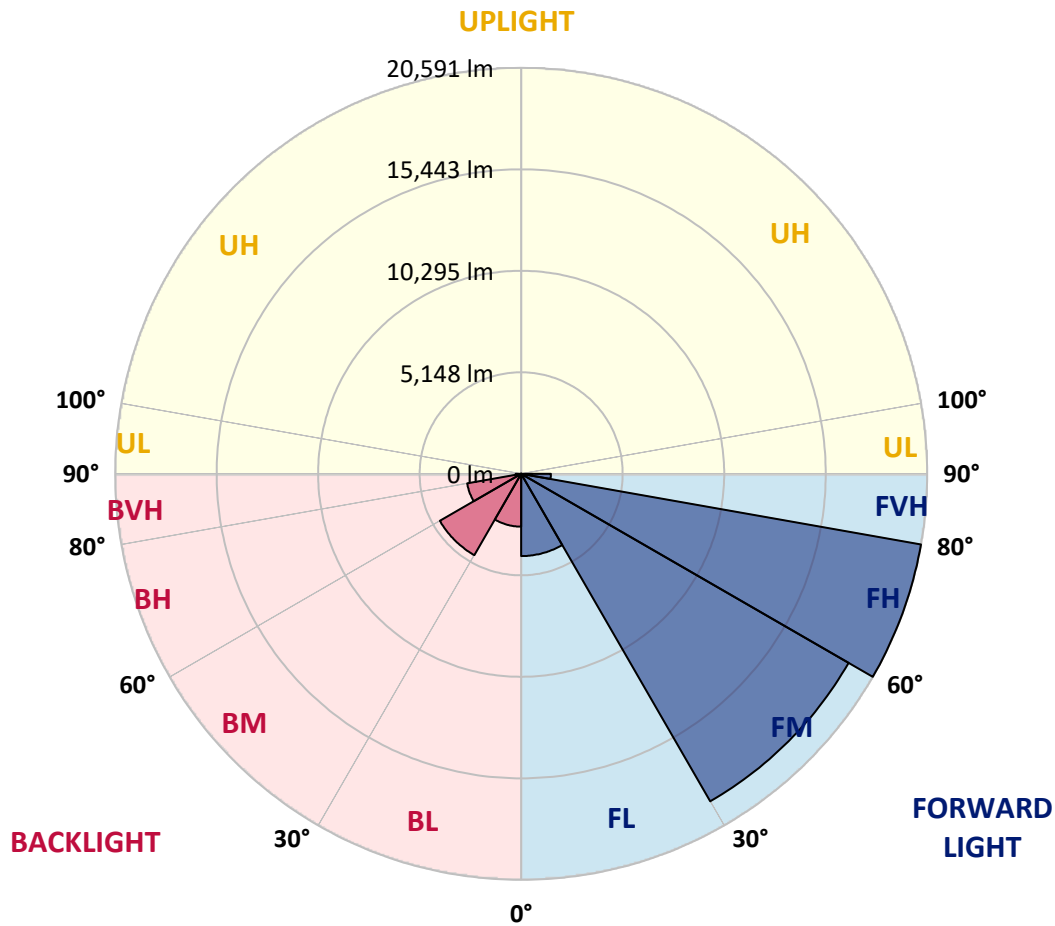
CATALOG NUMBER: GALN-SB6D-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4170.9	7.5			
FM	(30°-60°)	19178.2	34.3			
FH	(60°-80°)	20590.6	36.8			G5
FVH	(80°-90°)	1507.6	2.7			G5
BL	(0°-30°)	2677.4	4.8	B4/5000		
BM	(30°-60°)	4762.2	8.5	B3/5000		
BH	(60°-80°)	2779.7	5.0	B4/5000		G4/5000
BVH	(80°-90°)	272.5	0.5			G3/500
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: P953070

CATALOG NUMBER: GALN-SB6D-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5
2.5°	10354.7	10318.6	10354.7	10339.7	10333.7	10321.6	10324.7	10345.7	10333.7	10348.7	10297.6
5°	10285.5	10264.5	10300.6	10291.6	10330.7	10336.7	10375.8	10399.9	10414.9	10417.9	10378.8
7.5°	10171.2	10150.1	10201.3	10243.4	10327.7	10351.7	10433.0	10472.1	10493.2	10529.3	10472.1
10°	9752.9	9743.9	9870.3	10029.7	10228.4	10351.7	10475.1	10541.3	10574.4	10670.7	10604.5
12.5°	9012.6	9024.7	9190.2	9497.1	9894.3	10291.6	10523.3	10619.6	10670.7	10791.1	10761.0
15°	8305.5	8302.5	8483.0	8811.0	9367.7	10026.7	10547.3	10712.8	10800.1	10977.7	10953.6
17.5°	7896.2	7884.2	8010.6	8260.3	8777.9	9620.5	10487.2	10764.0	10950.6	11173.3	11152.2
20°	7821.0	7796.9	7863.1	7986.5	8353.6	9175.1	10330.7	10764.0	11070.9	11359.8	11347.8
22.5°	8094.8	8055.7	8028.6	8013.6	8176.1	8808.0	10153.1	10727.9	11248.5	11627.6	11606.6
25°	8645.5	8585.3	8446.9	8311.5	8263.3	8642.5	9996.6	10718.9	11513.3	11988.8	11910.5
27.5°	9536.2	9461.0	9181.1	8856.2	8564.3	8726.8	9927.4	10773.0	11805.2	12370.9	12214.4
30°	10640.6	10559.4	10207.3	9707.8	9184.2	9039.7	10014.7	10932.5	12178.3	12879.5	12572.5
32.5°	11630.7	11540.4	11239.5	10730.9	10023.7	9581.4	10291.6	11236.4	12765.1	13586.7	13111.2
35°	12509.4	12404.0	12133.2	11663.8	11052.9	10342.7	10791.1	11775.1	13598.7	14736.2	13842.4
37.5°	13370.0	13246.6	12951.7	12455.2	12027.9	11356.8	11480.2	12467.2	14706.1	16132.5	14811.4
40°	14332.9	14155.4	13797.3	13306.8	12891.5	12545.5	12386.0	13315.8	15831.5	17691.2	16021.1
42.5°	15265.8	15097.3	14670.0	14251.7	13731.1	13631.8	13436.2	14308.9	17062.3	19403.5	17248.9
45°	16270.9	16069.3	15551.7	15022.1	14694.1	14354.0	14453.3	15301.9	18269.0	21148.8	18536.8
47.5°	17212.8	16987.1	16376.2	15786.4	15605.8	14961.9	15386.2	16394.3	19523.9	22918.3	19812.7
50°	17721.3	17498.6	16990.1	16457.5	16316.0	15711.2	16397.3	17594.9	20838.9	24681.7	21037.5
52.5°	18145.6	17904.9	17239.9	16945.0	16902.8	16526.7	17643.1	18967.2	22153.9	26240.4	22220.1
55°	18597.0	18329.2	17480.6	17215.8	17408.4	17441.5	19120.6	20522.9	23544.2	27760.1	23336.5
57.5°	19117.6	18777.6	17712.3	17444.5	17901.9	18512.8	20817.8	22135.9	24910.4	29168.4	24329.6
60°	19608.1	19265.1	18157.7	17808.6	18434.5	19755.6	22764.8	24088.9	26457.1	30423.3	25268.5
62.5°	19704.4	19421.5	18512.8	18509.7	19156.7	21206.0	25069.9	26059.9	27808.3	31663.1	26111.1
65°	18037.3	17859.8	17321.1	18482.7	20191.9	23294.4	27636.7	28581.6	29526.5	32746.4	26851.3
67.5°	13728.1	13752.2	13713.0	15954.9	19355.3	26294.6	31353.1	31280.9	31648.0	33962.1	27702.9
70°	6277.2	6418.7	7339.5	11013.8	15506.5	26640.7	37498.0	36562.1	34311.2	35535.9	28440.2
72.5°	3391.4	3499.7	3875.9	5335.4	9322.6	23685.6	42090.0	42755.1	37853.1	36595.2	27630.7
75°	2488.6	2548.8	2810.6	3391.4	3915.0	17604.0	40444.0	43856.5	38295.4	34124.6	23860.2
77.5°	1862.7	1889.8	2103.4	2687.2	2004.1	9280.5	32316.1	36321.4	32782.5	28037.0	17625.0
80°	1351.1	1381.2	1540.7	2016.2	1405.3	3394.4	22190.0	25494.2	22451.8	17871.8	8783.9
82.5°	932.9	944.9	1014.1	1372.2	981.0	1318.0	12590.6	14949.8	12533.4	6271.2	2371.3
85°	562.7	577.8	607.9	800.5	556.7	625.9	5434.7	5621.2	3746.5	1498.6	737.3
87.5°	231.7	246.8	270.8	337.0	219.7	174.5	896.7	1125.5	701.1	439.3	228.7
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: P953070

CATALOG NUMBER: GALN-SB6D-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5	10267.5
2.5°	10282.5	10261.5	10204.3	10126.0	10053.8	9963.5	9924.4	9891.3	9861.2	9804.1	9777.0
5°	10345.7	10288.5	10135.1	9936.5	9710.8	9464.0	9223.3	9057.8	8916.3	8811.0	8723.7
7.5°	10442.0	10333.7	10053.8	9647.6	9130.0	8600.4	8121.9	7781.9	7526.1	7432.8	7270.3
10°	10541.3	10411.9	9924.4	9208.2	8314.5	7499.0	6864.0	6515.0	6310.3	6244.1	6141.8
12.5°	10658.7	10469.1	9722.8	8597.4	7402.7	6509.0	5955.3	5750.6	5645.3	5609.2	5618.2
15°	10830.2	10517.2	9418.9	7833.0	6533.0	5786.7	5428.6	5287.2	5233.0	5230.0	5242.1
17.5°	10959.6	10526.3	8946.4	7014.5	5865.0	5350.4	5055.5	5001.3	5037.4	5091.6	5112.7
20°	11104.0	10445.0	8326.5	6268.2	5395.5	4968.2	4844.9	4881.0	4968.2	5046.5	5073.6
22.5°	11206.4	10297.6	7577.2	5687.4	4989.3	4748.6	4742.5	4817.8	4865.9	4905.0	4926.1
25°	11296.6	10047.8	6782.8	5199.9	4655.3	4616.2	4682.4	4658.3	4625.2	4658.3	4679.3
27.5°	11362.8	9653.6	6072.6	4772.6	4420.6	4525.9	4486.8	4432.6	4429.6	4447.6	4477.7
30°	11341.8	9127.0	5488.8	4366.4	4255.0	4357.4	4264.1	4255.0	4246.0	4255.0	4288.1
32.5°	11341.8	8528.1	5040.5	4086.5	4149.7	4110.6	4101.6	4080.5	4044.4	4041.4	4080.5
35°	11405.0	7929.3	4655.3	3936.1	4062.5	3969.2	3975.2	3924.0	3848.8	3812.7	3848.8
37.5°	11534.4	7447.8	4273.1	3863.8	3909.0	3906.0	3881.9	3794.6	3662.2	3547.9	3587.0
40°	11847.3	7306.4	4011.3	3830.7	3836.8	3872.9	3809.7	3641.2	3340.2	3153.7	3177.7
42.5°	12337.8	7544.1	3954.1	3749.5	3788.6	3824.7	3701.3	3310.1	3096.5	2985.2	2985.2
45°	12960.7	7959.4	4077.5	3632.1	3674.3	3737.5	3370.3	3183.8	3087.5	3090.5	3105.5
47.5°	13749.2	8395.7	4306.2	3529.8	3508.8	3544.9	3150.7	3036.3	2903.9	2937.0	3021.3
50°	14660.9	8838.1	4522.9	3391.4	3325.2	3207.8	3009.2	2900.9	2732.4	2654.1	2675.2
52.5°	15648.0	9265.4	4610.1	3222.9	3126.6	2991.2	2912.9	2780.5	2575.9	2446.5	2443.5
55°	16583.8	9653.6	4513.8	3021.3	2928.0	2822.7	2810.6	2729.4	2509.7	2329.1	2329.1
57.5°	17468.6	9978.6	4273.1	2816.6	2726.4	2663.2	2744.4	2705.3	2428.4	2196.7	2184.7
60°	18217.9	10201.3	3924.0	2609.0	2545.8	2512.7	2636.1	2624.0	2314.1	2055.3	2046.3
62.5°	18813.7	10288.5	3538.8	2410.4	2395.3	2335.2	2485.6	2485.6	2169.7	1916.9	1907.8
65°	19280.1	10204.3	3147.7	2214.8	2244.9	2154.6	2302.1	2284.0	2016.2	1793.5	1781.5
67.5°	19692.4	9927.4	2714.3	2022.2	2091.4	1977.1	2109.5	2067.3	1847.7	1670.1	1658.1
70°	19875.9	9283.5	2220.8	1829.6	1913.9	1802.5	1916.9	1838.6	1658.1	1537.7	1513.6
72.5°	18401.4	7715.7	1748.4	1628.0	1700.2	1609.9	1709.2	1619.0	1453.5	1399.3	1354.2
75°	15223.7	5789.8	1345.1	1408.3	1462.5	1393.3	1459.5	1393.3	1242.8	1281.9	1170.6
77.5°	11055.9	3909.0	1029.2	1176.6	1200.7	1164.6	1221.7	1146.5	1011.1	1002.1	956.9
80°	5497.9	2290.0	806.5	929.9	920.8	896.7	963.0	926.8	812.5	860.6	851.6
82.5°	1591.9	981.0	586.8	653.0	634.9	641.0	689.1	707.2	1059.2	1050.2	1074.3
85°	499.5	385.2	352.1	364.1	346.1	355.1	406.2	806.5	746.3	436.3	472.4
87.5°	129.4	132.4	87.3	93.3	96.3	114.4	129.4	490.5	234.7	153.5	162.5
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)