

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: P952704

Luminaire Tested: **GALN-SB6C-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
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-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37443 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

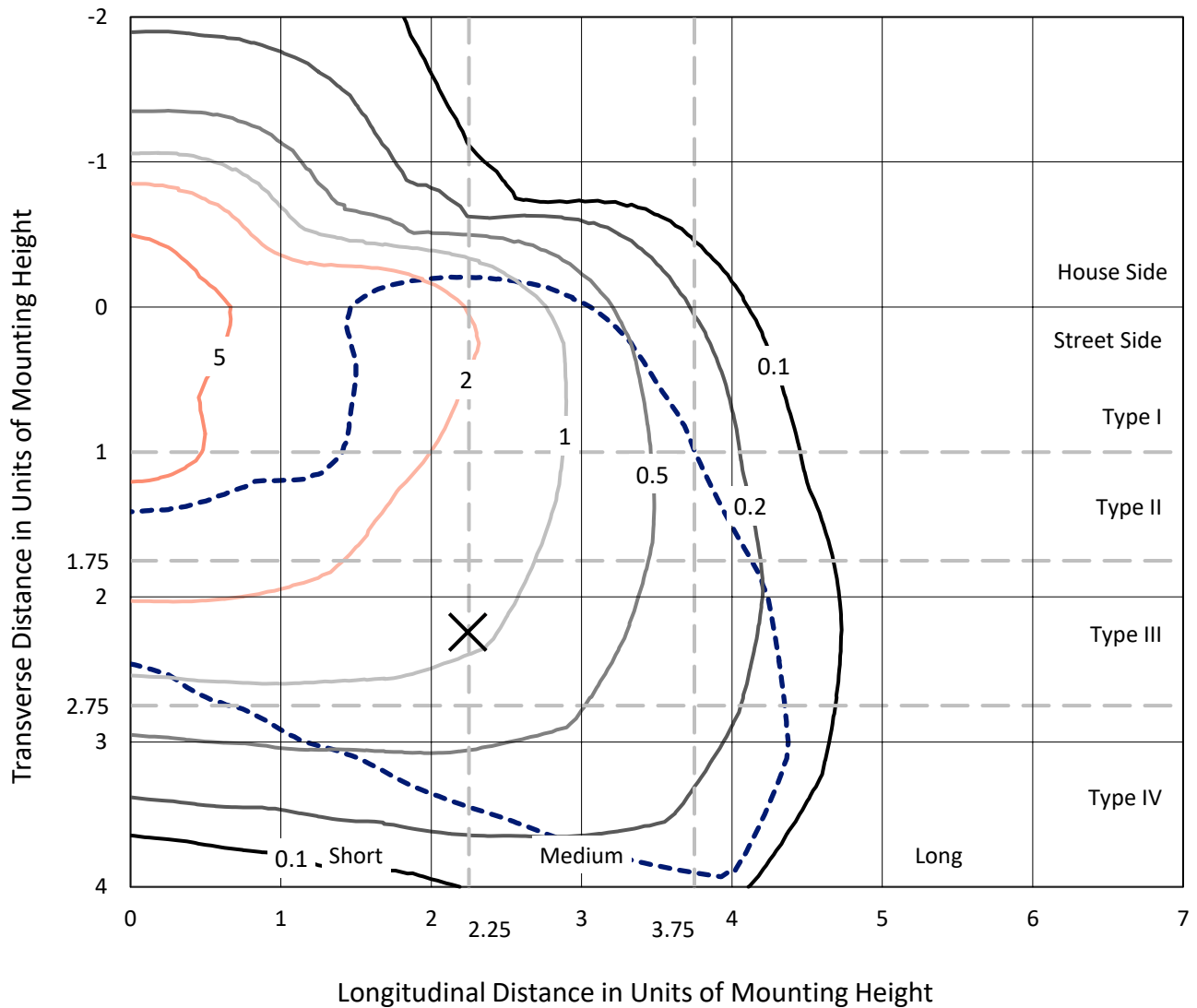
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

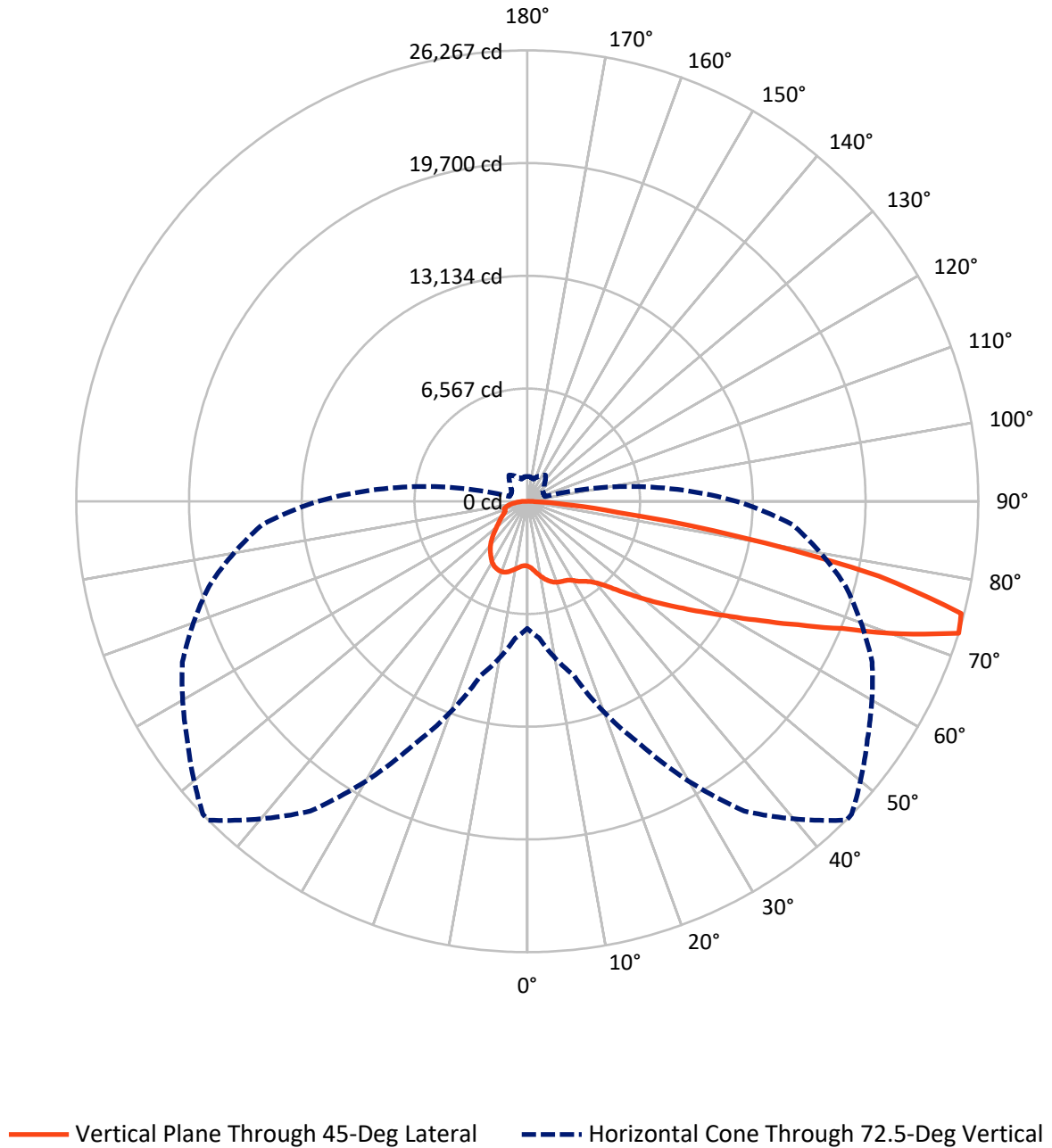
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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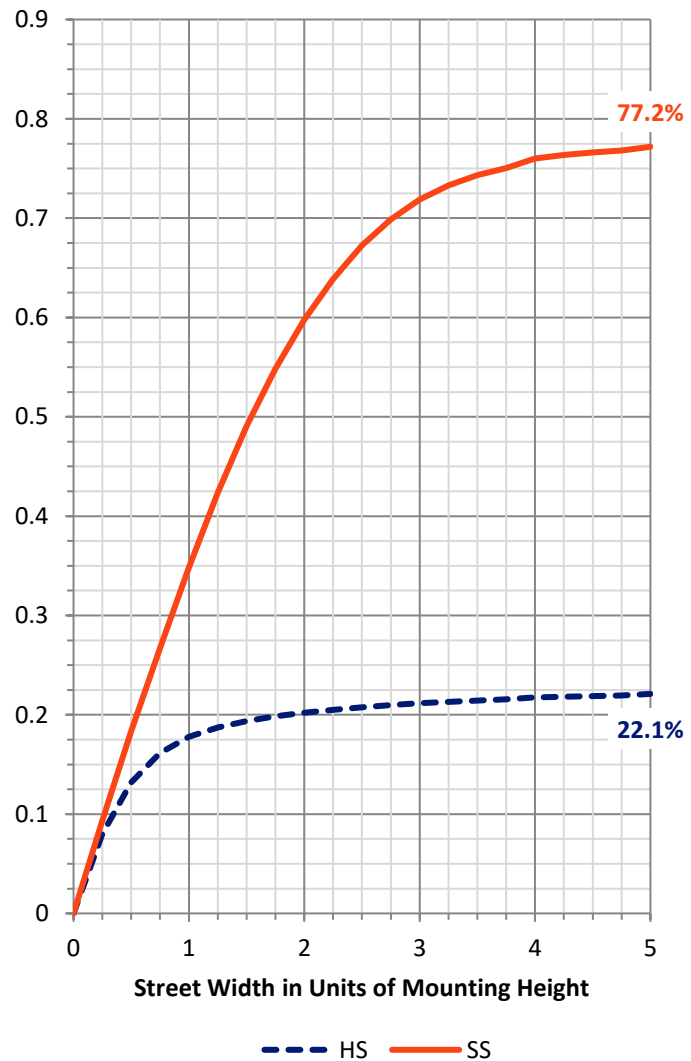
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8464.6	0.0	8464.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	28978.4	0.0	28978.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	37443.0	0.0	37443.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	384.5	1.0
10°-20°	1281.8	3.4
20°-30°	2229.8	6.0
30°-40°	3196.5	8.5
40°-50°	4500.9	12.0
50°-60°	6894.0	18.4
60°-70°	9987.0	26.7
70°-80°	7975.2	21.3
80°-90°	993.3	2.7
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°	37443.0	100.0
0°-180°	37443.0	100.0



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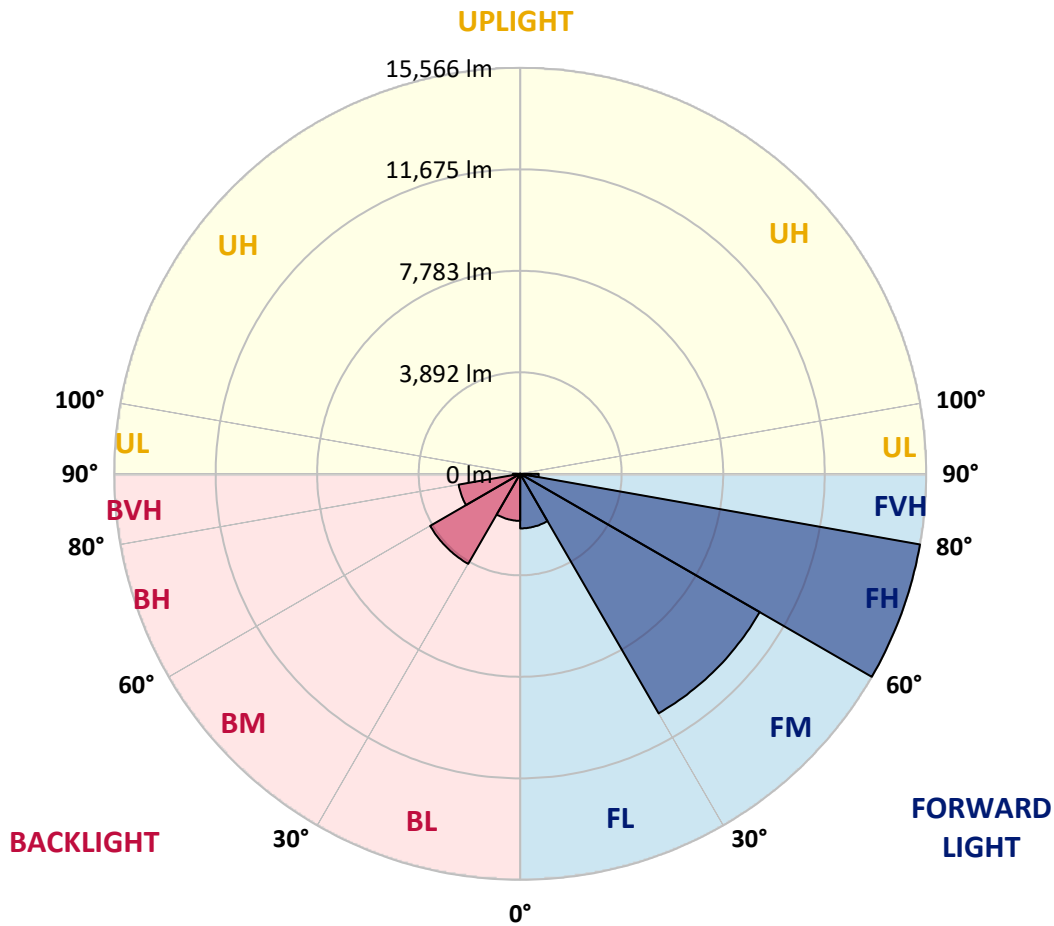
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2093.9	5.6			
FM (30°-60°)	10605.8	28.3			
FH (60°-80°)	15566.2	41.6			G5
FVH (80°-90°)	712.6	1.9			G4/750
BL (0°-30°)	1802.2	4.8	B3/2500		
BM (30°-60°)	3985.6	10.6	B3/5000		
BH (60°-80°)	2396.1	6.4	B3/2500		G3/2500
BVH (80°-90°)	280.7	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3
2.5°	3925.2	3950.8	3927.2	3905.5	3895.6	3870.0	3868.0	3852.2	3842.4	3814.7	3806.9
5°	4199.4	4232.9	4193.5	4150.1	4110.6	4047.5	4039.6	3994.2	3943.0	3883.8	3850.3
7.5°	4509.1	4538.6	4493.3	4428.2	4359.1	4254.6	4252.6	4169.8	4088.9	3988.3	3931.1
10°	4779.3	4818.7	4757.6	4668.8	4582.0	4463.7	4449.9	4355.2	4252.6	4122.5	4035.7
12.5°	5018.0	5045.6	4986.4	4877.9	4777.3	4659.0	4641.2	4536.7	4422.3	4274.3	4163.9
15°	5207.3	5242.8	5163.9	5047.5	4941.0	4824.6	4808.9	4714.2	4599.8	4444.0	4301.9
17.5°	5331.6	5361.2	5280.3	5150.1	5047.5	4950.9	4939.1	4860.2	4759.6	4601.8	4449.9
20°	5378.9	5410.5	5325.7	5193.5	5098.8	5023.9	5018.0	4960.7	4891.7	4747.7	4593.9
22.5°	5426.3	5455.8	5345.4	5207.3	5124.5	5077.1	5075.2	5037.7	5010.1	4891.7	4741.8
25°	5617.6	5625.5	5477.5	5278.3	5160.0	5118.5	5116.6	5114.6	5126.4	5033.7	4901.6
27.5°	5783.3	5781.3	5655.1	5467.7	5284.2	5197.4	5195.5	5215.2	5252.7	5175.7	5067.3
30°	6025.9	6004.2	5854.3	5659.0	5491.3	5357.2	5345.4	5327.6	5357.2	5296.1	5232.9
32.5°	6540.7	6471.7	6229.0	5881.9	5662.9	5560.4	5544.6	5434.1	5446.0	5408.5	5376.9
35°	7278.4	7187.7	6864.2	6304.0	5876.0	5730.0	5722.1	5582.1	5558.4	5524.9	5536.7
37.5°	8156.1	8043.7	7667.0	6915.5	6242.9	5927.3	5915.4	5789.2	5692.5	5657.0	5724.1
40°	9037.8	8895.8	8584.2	7661.1	6783.3	6256.7	6219.2	6027.9	5917.4	5858.2	6000.2
42.5°	9893.9	9775.5	9509.3	8497.4	7450.0	6737.9	6655.1	6327.7	6244.8	6189.6	6446.0
45°	10651.3	10544.8	10349.5	9390.9	8231.1	7392.8	7311.9	6777.4	6751.7	6751.7	7122.6
47.5°	11266.7	11243.0	11035.9	10302.2	9152.2	8138.4	7998.3	7402.7	7471.7	7578.2	8083.2
50°	11949.2	11884.1	11663.2	11199.7	10235.1	8992.5	8878.1	8169.9	8428.3	8720.3	9471.8
52.5°	12576.4	12611.9	12365.4	12134.6	11458.0	9945.2	9744.0	9075.3	9633.5	10116.8	11099.1
55°	13221.4	13223.4	13154.4	13122.8	12740.1	10998.5	10777.5	10164.1	11051.7	11651.3	12996.6
57.5°	13827.0	13830.9	13933.5	14211.6	14227.4	12213.5	11963.0	11501.4	12627.7	13239.2	14953.3
60°	14367.4	14395.0	14675.1	15326.1	15535.1	13606.1	13369.4	13081.4	14257.0	14872.4	17010.5
62.5°	14548.9	14649.5	15272.8	16197.9	16827.1	15314.2	15081.5	14909.9	15969.1	16541.1	18730.5
65°	14241.2	14472.0	15677.1	16917.8	18156.5	17343.9	17113.1	16925.7	17748.2	18286.7	20142.8
67.5°	13485.7	13783.6	15653.5	17673.3	19770.0	19785.8	19570.8	19130.9	19655.6	19862.7	20602.4
70°	11495.5	11941.3	14274.7	17955.3	21622.2	23125.2	22918.1	21785.9	21559.0	20557.0	19308.5
72.5°	7406.6	8006.2	10511.3	15633.8	22034.4	26267.3	26255.5	24182.4	22160.6	19207.9	15485.8
75°	2702.3	3069.2	4883.8	9813.0	18495.8	26107.5	26184.5	23772.1	20229.6	14836.9	9647.3
77.5°	984.3	1077.0	1593.8	3771.4	11375.2	20947.6	21107.3	19004.7	14399.0	7446.1	3822.6
80°	516.8	568.1	816.6	1463.6	4874.0	12440.3	12690.8	11294.3	6767.5	2242.7	1146.0
82.5°	286.0	309.7	457.6	794.9	2195.4	5319.7	5469.6	4461.7	2380.8	950.7	473.4
85°	153.9	163.7	215.0	433.9	1073.0	1844.3	1885.7	1333.4	948.8	558.2	228.8
87.5°	45.4	55.2	71.0	138.1	420.1	414.2	424.1	264.3	374.8	282.1	75.0
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°	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3	3777.3
2.5°	3795.0	3789.1	3767.4	3757.5	3745.7	3743.7	3753.6	3755.6	3757.5	3759.5	3767.4
5°	3830.5	3810.8	3791.1	3779.2	3783.2	3785.2	3804.9	3818.7	3828.6	3836.4	3840.4
7.5°	3899.6	3883.8	3850.3	3848.3	3854.2	3871.9	3897.6	3929.1	3946.9	3960.7	3964.7
10°	4002.1	3972.5	3933.1	3939.0	3950.8	3976.5	4029.7	4055.4	4085.0	4110.6	4104.7
12.5°	4106.7	4081.0	4035.7	4039.6	4059.3	4104.7	4156.0	4187.5	4207.3	4227.0	4234.9
15°	4242.8	4197.4	4148.1	4148.1	4183.6	4232.9	4256.6	4282.2	4294.1	4315.8	4323.6
17.5°	4382.8	4323.6	4258.6	4254.6	4298.0	4321.7	4335.5	4339.4	4343.4	4367.0	4374.9
20°	4522.9	4457.8	4365.1	4357.2	4367.0	4363.1	4361.1	4357.2	4363.1	4392.7	4404.5
22.5°	4660.9	4586.0	4457.8	4422.3	4394.7	4357.2	4355.2	4353.2	4357.2	4386.8	4406.5
25°	4822.7	4731.9	4560.3	4453.8	4361.1	4309.8	4315.8	4317.7	4321.7	4345.3	4376.9
27.5°	4998.2	4897.6	4655.0	4444.0	4276.3	4240.8	4230.9	4236.9	4250.7	4288.1	4325.6
30°	5173.8	5055.4	4741.8	4404.5	4169.8	4120.5	4088.9	4102.7	4146.1	4183.6	4225.0
32.5°	5333.5	5215.2	4810.8	4317.7	4033.7	3956.8	3915.3	3933.1	3976.5	3990.3	4039.6
35°	5520.9	5386.8	4840.4	4179.7	3885.8	3767.4	3712.2	3686.5	3708.2	3694.4	3737.8
37.5°	5730.0	5590.0	4836.5	3998.2	3712.2	3576.1	3499.2	3402.5	3357.1	3309.8	3339.4
40°	6039.7	5838.5	4789.1	3779.2	3497.2	3372.9	3234.8	3071.1	2968.6	2875.9	2881.8
42.5°	6461.8	6183.7	4702.4	3538.6	3254.6	3138.2	2950.8	2759.5	2597.7	2443.9	2430.1
45°	7091.0	6635.4	4593.9	3282.2	2992.2	2877.8	2674.7	2459.7	2276.2	2079.0	2055.3
47.5°	7998.3	7242.9	4491.3	2990.3	2716.1	2611.5	2428.1	2228.9	2011.9	1820.6	1798.9
50°	9244.9	8114.7	4396.6	2706.2	2443.9	2365.0	2219.0	2015.9	1796.9	1643.1	1633.2
52.5°	10830.8	9300.2	4357.2	2432.0	2189.4	2159.8	2043.5	1854.1	1647.0	1516.8	1507.0
55°	12651.4	10718.4	4357.2	2169.7	1966.5	1976.4	1895.5	1720.0	1540.5	1424.1	1412.3
57.5°	14509.5	12154.3	4278.3	1927.1	1777.2	1818.6	1767.3	1613.5	1451.7	1331.4	1311.7
60°	16221.5	13357.5	3958.7	1706.2	1609.5	1674.6	1641.1	1508.9	1311.7	1211.1	1195.3
62.5°	17537.2	14036.1	3343.3	1530.6	1471.5	1546.4	1528.7	1370.9	1286.0	1244.6	1230.8
65°	18196.0	13925.6	2556.3	1374.8	1355.1	1471.5	1434.0	1428.1	1361.0	1313.7	1297.9
67.5°	17791.6	12974.9	1854.1	1260.4	1288.0	1402.4	1546.4	1570.1	1445.8	1353.1	1337.3
70°	16018.4	11254.9	1380.7	1151.9	1203.2	1404.4	1763.4	1643.1	1418.2	1309.7	1292.0
72.5°	12185.9	8392.8	1071.0	1037.5	1092.7	1414.3	1860.0	1609.5	1339.3	1447.8	1436.0
75°	6968.7	4607.7	860.0	897.5	954.7	1321.6	1810.7	1522.7	1278.2	1329.4	1329.4
77.5°	2656.9	1771.3	710.1	759.4	767.3	1153.9	1731.8	1516.8	1217.0	1187.4	1082.9
80°	921.1	692.3	587.8	603.6	593.7	1025.7	1660.8	1319.6	996.1	891.6	862.0
82.5°	376.7	345.2	465.5	445.8	422.1	796.9	1341.3	1078.9	814.6	719.9	712.1
85°	163.7	218.9	307.7	270.2	244.6	552.3	1075.0	913.3	688.4	593.7	591.7
87.5°	33.5	82.8	130.2	122.3	126.2	368.9	763.3	648.9	487.2	364.9	286.0
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)