

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: P944325

Luminaire Tested: **GALN-SB9B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41982 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 329.5
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

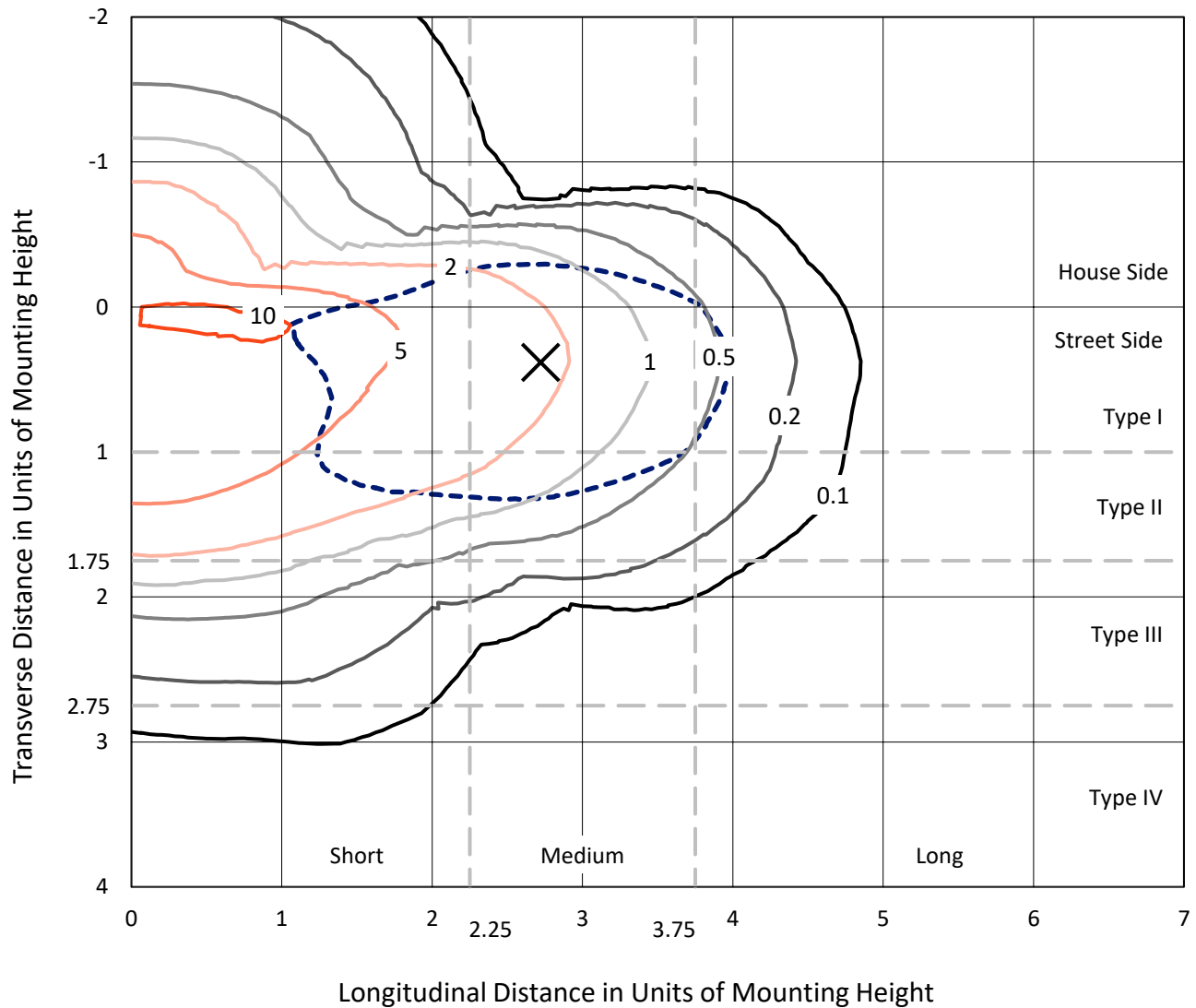


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

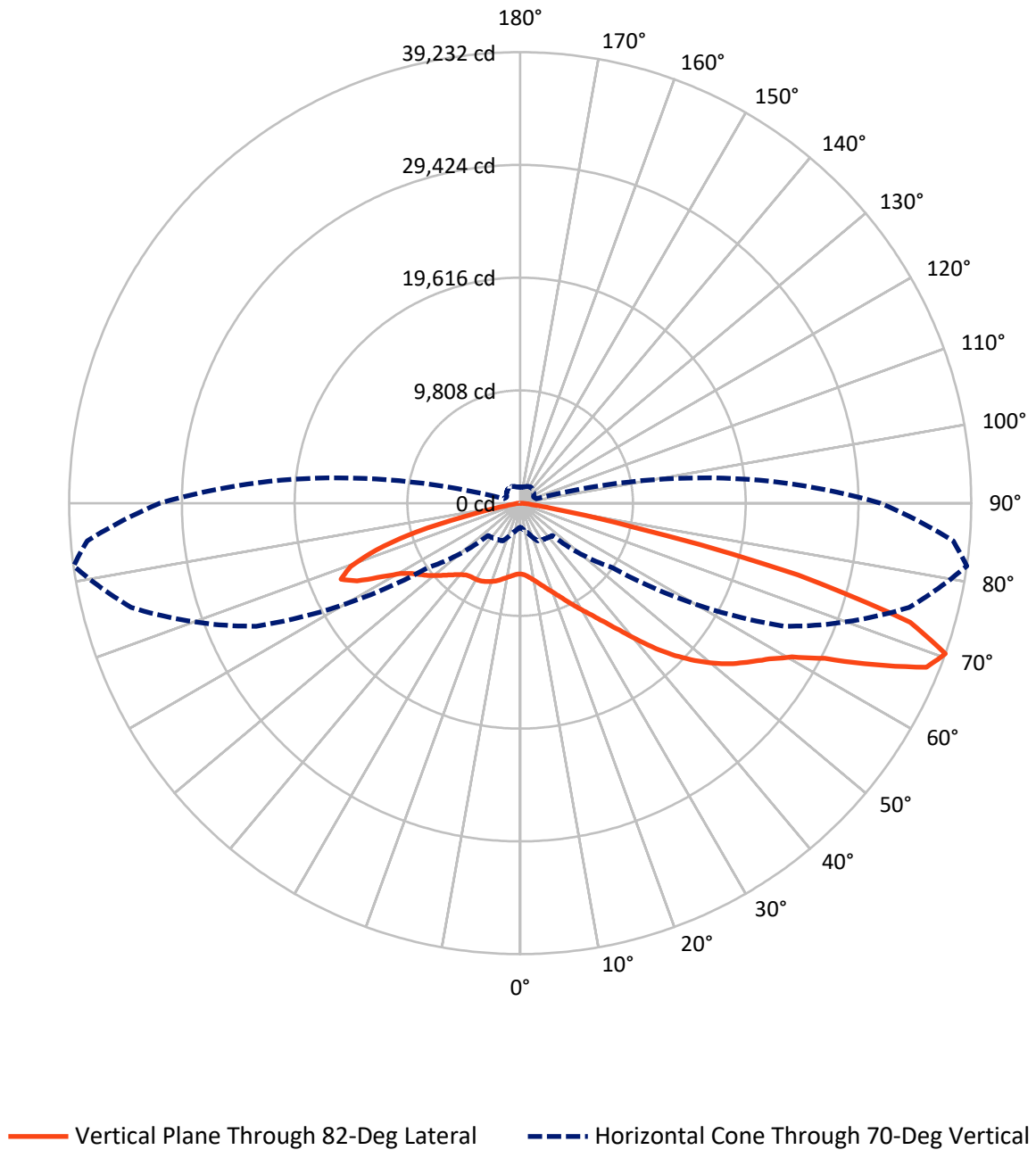


Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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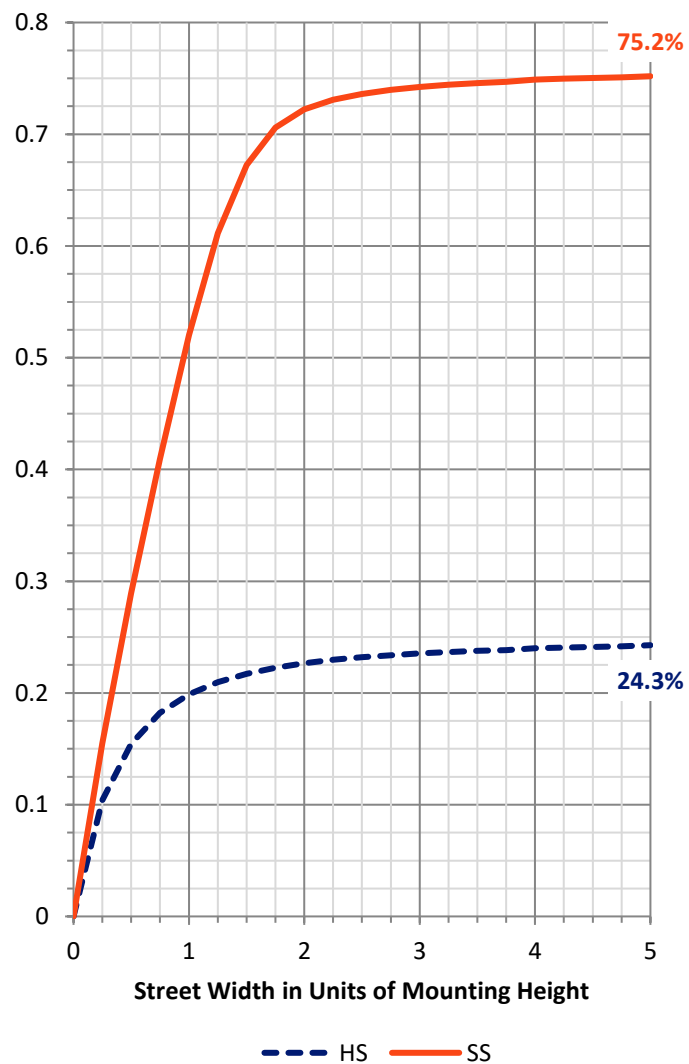
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10349.6	0.0	10349.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	31632.4	0.0	31632.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	41982.0	0.0	41982.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	581.1	1.4
10°-20°	1669.7	4.0
20°-30°	2793.2	6.7
30°-40°	4363.7	10.4
40°-50°	6949.7	16.6
50°-60°	9671.4	23.0
60°-70°	10116.7	24.1
70°-80°	5287.5	12.6
80°-90°	549.0	1.3
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°	41982.0	100.0
0°-180°	41982.0	100.0

Coefficient of Utilization



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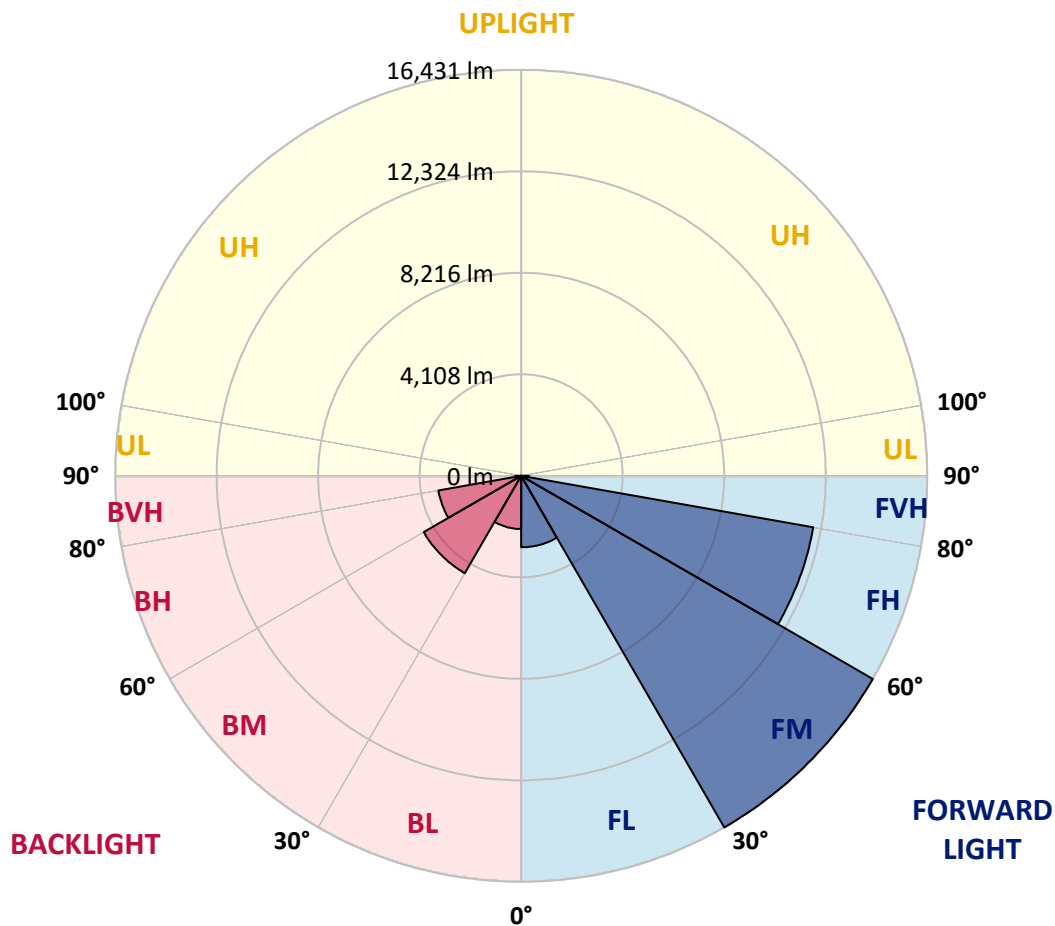
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2890.9	6.9			
FM	(30°-60°)	16431.3	39.1			
FH	(60°-80°)	12002.8	28.6			G5
FVH	(80°-90°)	307.4	0.7			G3/500
BL	(0°-30°)	2153.1	5.1	B3/2500		
BM	(30°-60°)	4553.4	10.8	B3/5000		
BH	(60°-80°)	3401.4	8.1	B4/5000		G4/5000
BVH	(80°-90°)	241.7	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1
2.5°	6302.1	6337.8	6326.6	6315.5	6315.5	6299.9	6297.7	6275.4	6257.6	6228.6	6221.9
5°	6382.3	6420.2	6415.7	6424.6	6453.6	6460.3	6467.0	6453.6	6418.0	6382.3	6366.7
7.5°	6311.0	6353.3	6366.7	6420.2	6509.3	6589.5	6649.6	6674.1	6640.7	6589.5	6565.0
10°	6070.4	6117.2	6164.0	6291.0	6449.1	6638.5	6798.9	6894.7	6888.0	6839.0	6796.7
12.5°	5582.6	5631.6	5731.8	5979.1	6268.7	6602.9	6901.4	7101.9	7170.9	7135.3	7061.8
15°	5192.7	5235.1	5310.8	5564.8	5941.2	6449.1	6939.2	7329.1	7505.1	7485.0	7395.9
17.5°	5181.6	5199.4	5246.2	5366.5	5656.1	6208.6	6899.1	7551.8	7888.2	7886.0	7774.6
20°	5377.6	5384.3	5411.0	5435.5	5600.4	6025.9	6796.7	7736.7	8318.2	8318.2	8197.9
22.5°	5649.4	5644.9	5671.7	5649.4	5729.6	6010.3	6732.1	7899.4	8797.1	8832.8	8681.3
25°	6057.1	6034.8	6028.1	5976.9	5992.5	6155.1	6803.3	8084.3	9365.2	9438.7	9249.3
27.5°	6600.6	6565.0	6540.5	6422.4	6382.3	6453.6	7021.7	8307.0	9997.8	10124.8	9884.2
30°	7309.0	7244.4	7208.8	7003.8	6859.0	6870.2	7351.4	8603.3	10659.5	10864.4	10559.2
32.5°	8275.8	8175.6	8079.8	7743.4	7478.3	7391.4	7776.8	9013.2	11376.8	11704.2	11312.2
35°	9358.5	9278.3	9175.8	8656.8	8249.1	8048.6	8351.6	9585.7	12216.6	12735.7	12225.5
37.5°	10401.0	10332.0	10381.0	9681.5	9155.8	8863.9	9104.5	10354.3	13252.5	14018.8	13370.5
40°	11479.2	11425.8	11432.5	10764.2	10151.5	9824.1	10017.9	11318.9	14439.8	15544.8	14747.3
42.5°	12651.0	12610.9	12477.2	11884.7	11196.3	10891.1	11069.4	12432.7	15714.1	17282.4	16257.6
45°	13963.1	13938.6	13813.9	13134.4	12345.8	12002.8	12243.3	13662.4	16995.0	18917.5	17774.7
47.5°	15097.0	15117.1	15101.5	14528.9	13711.4	13207.9	13495.3	14945.5	18186.8	20454.6	19229.4
50°	15642.8	15747.5	15901.2	15723.0	15215.1	14702.7	14758.4	16184.1	19322.9	21895.9	20623.9
52.5°	15357.6	15555.9	15974.7	16259.9	16455.9	16349.0	16199.7	17413.8	20392.2	23196.9	21942.7
55°	14295.0	14573.5	15268.5	15956.9	16957.1	17734.6	17930.6	18777.1	21434.8	24341.9	23190.2
57.5°	12359.2	12811.4	13435.2	14827.5	16511.6	18405.1	19948.9	20668.4	22539.7	25564.9	24495.6
60°	9039.9	9645.9	10421.1	12492.8	14952.2	18046.5	21666.4	23573.3	24110.2	27148.8	26195.3
62.5°	5785.3	6159.5	6872.4	8823.8	11650.8	16208.6	22192.2	27204.5	26772.3	29746.2	28743.8
65°	3960.8	4201.4	4854.1	5950.1	7531.8	12065.1	20784.3	29926.7	31000.4	33863.0	33101.1
67.5°	2878.2	3060.8	3617.8	4577.9	4907.6	7139.7	16128.4	29801.9	35110.5	38104.5	36919.4
70°	2098.5	2227.7	2695.5	3617.8	3775.9	3972.0	9770.6	25333.2	35021.4	39231.7	37812.7
72.5°	1554.9	1644.0	1958.1	2806.9	3056.4	2682.1	4836.3	18411.8	30093.8	35484.8	34346.4
75°	1125.0	1191.8	1423.5	2147.5	2446.0	2042.8	2412.6	10759.7	20991.5	24961.2	25161.7
77.5°	859.9	911.1	1062.6	1572.7	1958.1	1532.6	1497.0	4949.9	9953.3	10002.3	10563.7
80°	690.6	724.0	806.4	1107.2	1501.5	1147.3	975.7	1998.2	3145.5	2662.1	2793.5
82.5°	507.9	563.6	681.7	777.5	1073.7	790.8	594.8	1009.1	1196.3	1029.2	1038.1
85°	289.6	327.5	412.1	556.9	686.1	483.4	340.8	447.8	556.9	456.7	407.7
87.5°	102.5	133.7	144.8	218.3	298.5	200.5	131.4	129.2	182.7	135.9	113.6
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°	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1	6155.1
2.5°	6199.6	6188.5	6143.9	6083.8	6021.4	5961.3	5941.2	5898.9	5869.9	5854.3	5872.2
5°	6324.4	6288.7	6184.0	6050.4	5910.0	5758.6	5651.6	5553.6	5482.3	5415.5	5442.2
7.5°	6502.6	6440.2	6259.8	6025.9	5776.4	5524.7	5337.5	5195.0	5099.2	5036.8	5050.2
10°	6709.8	6614.0	6337.8	5988.0	5602.6	5241.7	5021.2	4898.7	4838.5	4805.1	4814.0
12.5°	6948.1	6812.3	6418.0	5901.1	5337.5	4925.4	4773.9	4738.3	4740.5	4742.7	4747.2
15°	7242.2	7052.8	6482.6	5711.8	4992.2	4682.6	4655.9	4713.8	4773.9	4802.9	4800.7
17.5°	7574.1	7306.8	6493.7	5399.9	4653.6	4526.7	4611.3	4736.1	4827.4	4867.5	4876.4
20°	7930.5	7565.2	6413.5	4958.8	4375.2	4399.7	4551.2	4711.5	4811.8	4863.0	4876.4
22.5°	8338.2	7841.4	6221.9	4495.5	4147.9	4261.6	4439.8	4595.7	4700.4	4751.6	4765.0
25°	8803.8	8151.1	5921.2	4105.6	3951.9	4105.6	4283.8	4413.0	4497.7	4544.5	4557.8
27.5°	9320.6	8474.1	5520.2	3796.0	3780.4	3945.2	4092.3	4192.5	4237.1	4272.7	4286.1
30°	9839.7	8768.2	5034.6	3562.1	3631.1	3787.1	3891.8	3936.3	3949.7	3956.4	3972.0
32.5°	10401.0	9022.1	4524.4	3368.3	3488.6	3633.3	3695.7	3715.8	3653.4	3611.1	3624.4
35°	11080.5	9293.9	4025.4	3214.5	3348.2	3473.0	3493.0	3475.2	3401.7	3314.8	3319.2
37.5°	11920.3	9632.5	3626.7	3105.4	3216.8	3299.2	3274.7	3270.2	3276.9	3174.4	3181.1
40°	12949.5	10073.6	3334.8	3020.7	3109.8	3127.7	3058.6	3096.5	3129.9	2974.0	2978.4
42.5°	14092.3	10606.0	3149.9	2962.8	3020.7	2978.4	2871.5	2913.8	2909.4	2704.4	2702.2
45°	15257.4	11185.2	3085.3	2920.5	2938.3	2853.7	2735.6	2746.7	2653.2	2468.3	2475.0
47.5°	16415.8	11806.7	3125.4	2884.8	2835.8	2740.0	2648.7	2599.7	2461.6	2323.5	2323.5
50°	17551.9	12459.4	3272.5	2813.6	2695.5	2639.8	2573.0	2486.1	2339.1	2221.0	2212.1
52.5°	18605.6	13116.6	3437.3	2695.5	2519.5	2552.9	2510.6	2410.4	2265.6	2145.3	2147.5
55°	19603.6	13773.8	3501.9	2532.9	2354.7	2477.2	2452.7	2267.8	2094.0	1996.0	1987.1
57.5°	20690.7	14564.6	3430.6	2325.7	2221.0	2390.3	2296.7	2091.8	1991.5	1918.0	1911.4
60°	22196.6	15805.4	3276.9	2069.5	2094.0	2261.1	2100.7	2016.1	1906.9	1824.5	1820.0
62.5°	24698.3	18120.0	3029.6	1815.6	1944.8	2069.5	2007.1	1922.5	1811.1	1730.9	1730.9
65°	28396.3	21336.7	2564.1	1617.3	1777.7	1882.4	1906.9	1822.2	1706.4	1621.8	1626.2
67.5°	31515.0	23355.0	1940.3	1452.4	1606.2	1730.9	1800.0	1717.5	1595.0	1512.6	1514.8
70°	31343.5	21889.2	1481.4	1289.8	1454.7	1581.7	1670.8	1606.2	1474.7	1396.8	1403.4
72.5°	27839.3	18311.5	1198.5	1125.0	1301.0	1425.7	1532.6	1483.6	1350.0	1274.2	1274.2
75°	20452.4	12998.5	957.9	957.9	1109.4	1263.1	1381.2	1350.0	1227.5	1174.0	1158.4
77.5°	8621.1	5453.4	750.7	795.3	922.3	1084.9	1231.9	1243.0	1136.1	1202.9	1091.6
80°	2292.3	1503.7	572.5	626.0	724.0	895.5	1071.5	1067.1	951.2	888.8	826.5
82.5°	873.3	592.6	407.7	441.1	523.5	686.1	848.7	875.5	759.6	657.2	657.2
85°	336.4	254.0	251.7	265.1	305.2	454.4	641.6	663.8	572.5	485.6	501.2
87.5°	86.9	75.7	93.6	89.1	140.3	242.8	367.6	380.9	349.7	202.7	289.6
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)