

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: P941262

Luminaire Tested: **GALN-SB4D-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941262
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-SB4D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33396 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 293.6
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



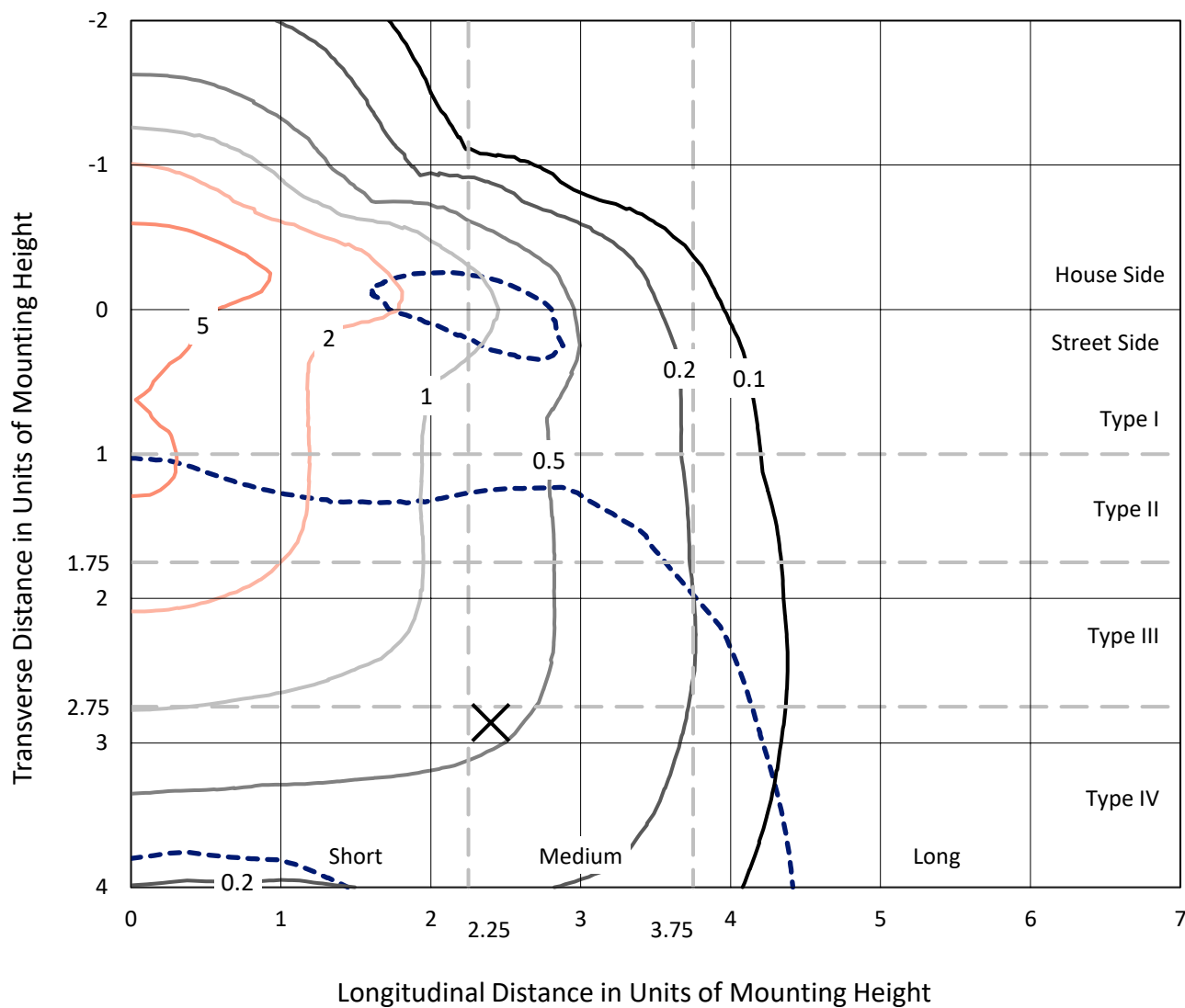
REPORT NUMBER: P941262

CATALOG NUMBER: GALN-SB4D-722-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



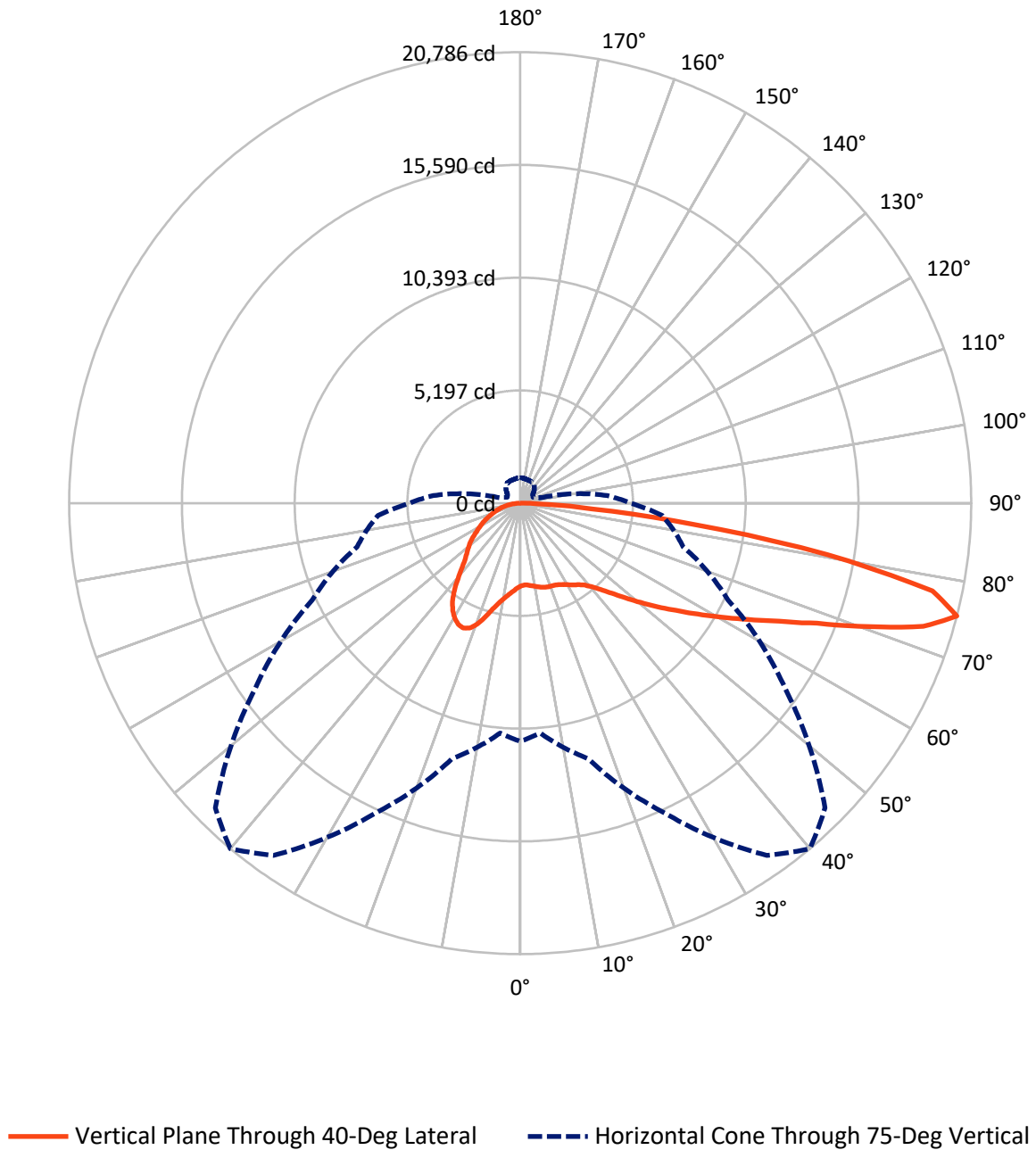
Based on 25 foot mounting height. Maximum calculated value = 7.9 fc

Type IV - Medium - N/A

REPORT NUMBER: P941262

CATALOG NUMBER: GALN-SB4D-722-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P941262

CATALOG NUMBER: GALN-SB4D-722-U-SL4

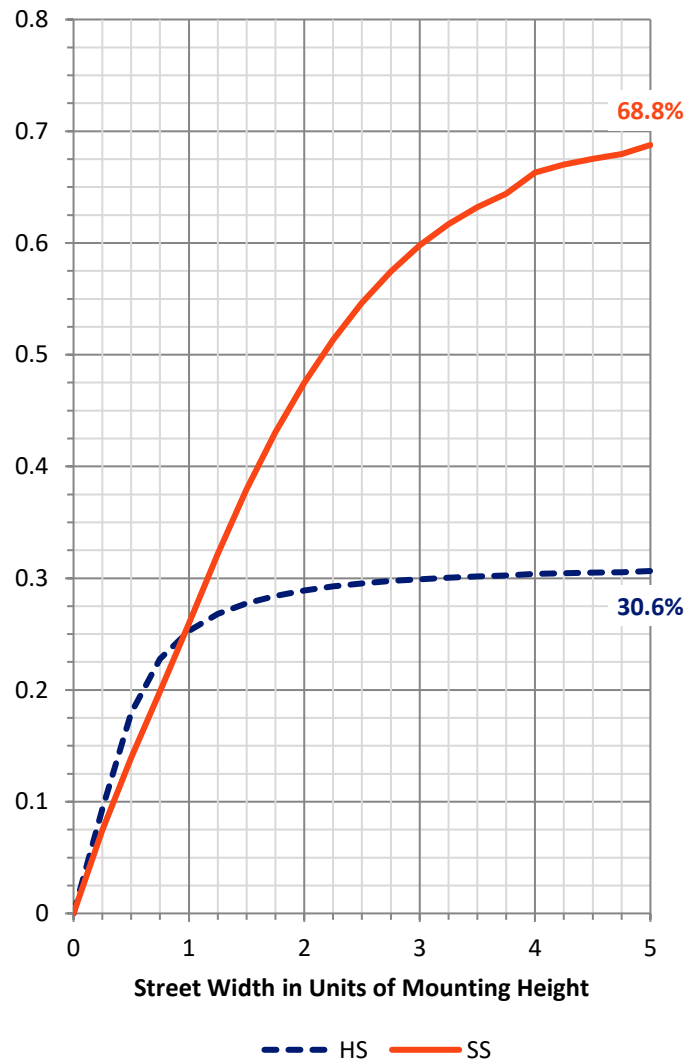
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10347.2	0.0	10347.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	23048.8	0.0	23048.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	33396.0	0.0	33396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.2	1.1
10°-20°	1279.9	3.8
20°-30°	2336.9	7.0
30°-40°	3314.4	9.9
40°-50°	4475.4	13.4
50°-60°	6020.6	18.0
60°-70°	7641.5	22.9
70°-80°	6935.2	20.8
80°-90°	1010.9	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°	33396.0	100.0
0°-180°	33396.0	100.0

Coefficient of Utilization



REPORT NUMBER: P941262

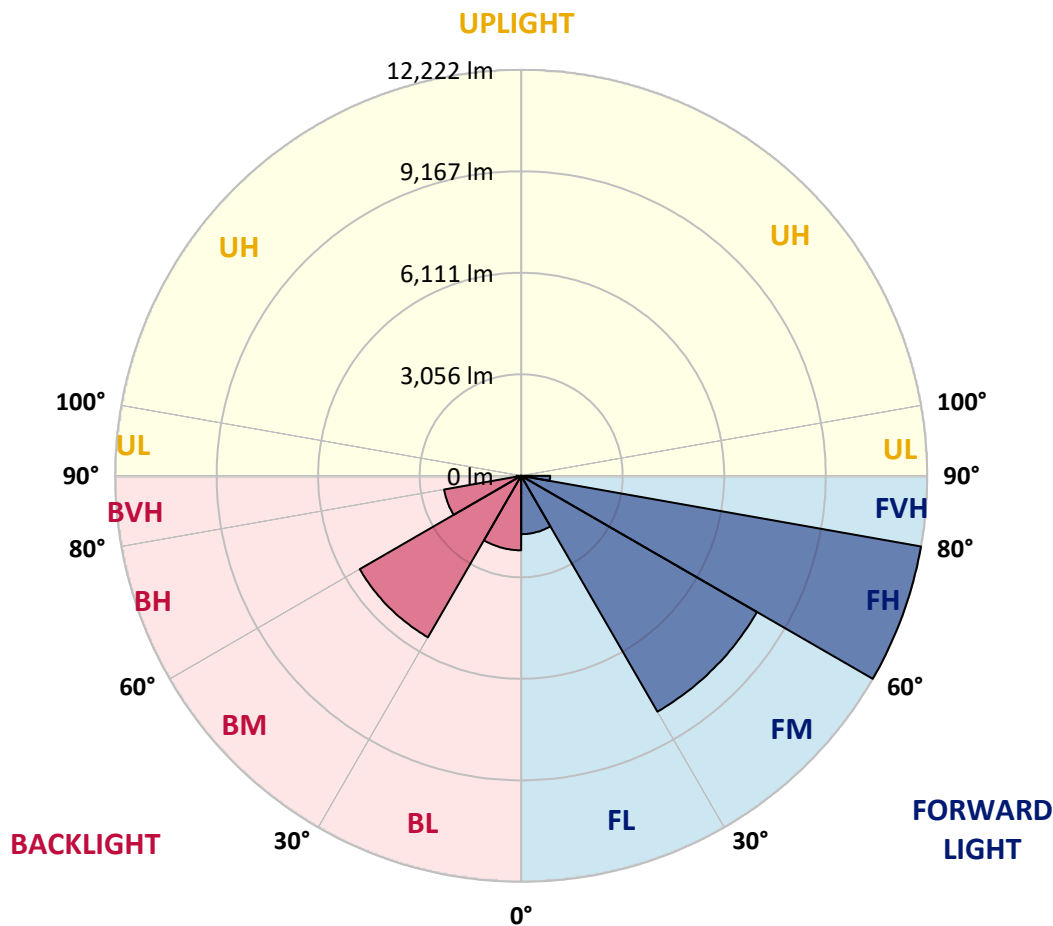
CATALOG NUMBER: GALN-SB4D-722-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1756.7	5.3			
FM	(30°-60°)	8198.0	24.5			
FH	(60°-80°)	12222.4	36.6			G5
FVH	(80°-90°)	871.7	2.6			G5
BL	(0°-30°)	2241.3	6.7	B3/2500		
BM	(30°-60°)	5612.4	16.8	B4/8500		
BH	(60°-80°)	2354.3	7.0	B3/2500		G3/2500
BVH	(80°-90°)	139.2	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: P941262

CATALOG NUMBER: GALN-SB4D-722-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9
2.5°	3760.4	3781.7	3776.4	3769.3	3769.3	3771.1	3769.3	3781.7	3794.1	3806.5	3826.0
5°	3799.4	3820.6	3810.0	3801.2	3794.1	3792.3	3787.0	3785.2	3792.3	3808.2	3834.8
7.5°	3875.6	3896.8	3880.9	3864.9	3850.8	3843.7	3836.6	3826.0	3820.6	3829.5	3866.7
10°	3960.6	3981.8	3962.4	3934.0	3911.0	3902.1	3895.0	3884.4	3877.3	3882.6	3923.4
12.5°	4045.6	4066.9	4040.3	4001.3	3971.2	3965.9	3957.0	3953.5	3951.7	3950.0	3990.7
15°	4125.3	4143.0	4109.4	4063.3	4031.4	4022.6	4013.7	4019.0	4027.9	4038.5	4084.6
17.5°	4187.3	4205.0	4155.4	4095.2	4065.1	4061.5	4056.2	4073.9	4098.7	4125.3	4182.0
20°	4244.0	4261.7	4197.9	4116.5	4081.0	4081.0	4082.8	4120.0	4155.4	4194.4	4272.3
22.5°	4323.7	4337.9	4259.9	4148.3	4097.0	4100.5	4114.7	4151.9	4196.2	4249.3	4357.3
25°	4442.4	4453.0	4357.3	4208.6	4150.1	4160.7	4173.1	4190.8	4233.4	4295.4	4440.6
27.5°	4633.7	4642.5	4516.8	4314.8	4226.3	4244.0	4261.7	4249.3	4268.8	4321.9	4507.9
30°	4902.9	4908.2	4748.8	4481.3	4355.6	4364.4	4368.0	4316.6	4279.4	4321.9	4555.7
32.5°	5221.7	5220.0	5030.4	4683.3	4502.6	4493.7	4463.6	4362.7	4275.9	4313.1	4598.2
35°	5715.9	5696.4	5452.0	4966.7	4669.1	4614.2	4543.3	4414.0	4293.6	4304.2	4635.4
37.5°	6534.2	6474.0	6135.7	5430.7	4917.1	4777.1	4672.6	4497.3	4332.5	4300.7	4679.7
40°	7457.1	7380.9	7009.0	6066.6	5289.0	5064.1	4895.8	4616.0	4396.3	4316.6	4745.3
42.5°	8551.7	8443.7	8043.4	6815.9	5760.2	5434.3	5181.0	4766.5	4490.2	4368.0	4833.8
45°	9896.1	9752.7	9185.9	7660.8	6353.6	5919.6	5581.3	4995.0	4633.7	4467.2	4966.7
47.5°	11254.7	11290.1	10484.2	8627.9	7065.6	6518.3	6082.6	5338.6	4842.7	4626.6	5181.0
50°	12698.3	12723.1	11775.5	9699.5	7873.3	7194.9	6645.8	5723.0	5133.2	4853.3	5501.6
52.5°	13824.8	13828.4	12948.0	10820.7	8714.7	7938.9	7253.4	6162.3	5469.7	5154.4	5928.5
55°	14529.8	14520.9	13769.9	11881.7	9681.8	8720.0	7926.5	6661.8	5880.6	5508.7	6465.2
57.5°	15041.7	15015.1	14336.7	12793.9	10712.7	9642.8	8688.1	7228.6	6366.0	5930.2	7171.9
60°	15236.5	15220.6	14721.1	13582.2	11796.7	10663.1	9566.7	7862.7	6916.8	6428.0	8080.6
62.5°	15310.9	15341.0	15098.4	14345.6	12956.9	11793.2	10532.0	8620.8	7536.8	6991.2	9038.8
65°	15573.1	15628.0	15578.4	15344.6	14267.7	13116.3	11812.7	9522.4	8213.4	7595.2	10039.6
67.5°	16092.1	16147.0	16168.2	16540.2	15868.9	14765.4	13410.4	10645.4	9005.2	8222.3	10792.4
70°	16079.7	16063.7	16439.2	17491.4	17874.0	17048.6	15564.2	12027.0	9949.3	8743.0	10888.1
72.5°	14636.1	14508.5	15396.0	17480.8	19542.5	19432.7	18194.6	13808.9	10764.1	8806.8	9448.0
75°	10980.2	10640.1	12207.7	15753.8	19820.6	20786.0	19866.7	14914.2	10571.0	7781.2	6575.0
77.5°	4695.7	4353.8	6201.2	11662.1	17739.4	19430.9	18332.7	13011.8	8438.4	5145.6	3229.0
80°	1229.3	1227.5	1874.0	5287.3	12064.2	14349.1	12588.5	8402.9	4821.4	1838.6	891.0
82.5°	508.4	496.0	689.0	2056.5	5894.8	8052.2	6571.4	3748.0	1741.2	497.7	295.8
85°	189.5	187.8	334.8	710.3	2079.5	3321.1	2403.6	958.3	434.0	242.7	132.8
87.5°	53.1	51.4	72.6	246.2	506.6	768.7	410.9	157.6	122.2	95.6	39.0
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: P941262

CATALOG NUMBER: GALN-SB4D-722-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9	3818.9
2.5°	3831.3	3840.1	3856.1	3868.5	3884.4	3902.1	3926.9	3942.9	3958.8	3969.4	3962.4
5°	3847.2	3866.7	3907.4	3948.2	3996.0	4040.3	4091.7	4128.9	4159.0	4167.8	4171.4
7.5°	3882.6	3914.5	3983.6	4052.7	4128.9	4201.5	4275.9	4339.6	4391.0	4410.5	4412.3
10°	3944.6	3987.1	4084.6	4182.0	4283.0	4394.5	4490.2	4582.3	4654.9	4685.0	4686.8
12.5°	4022.6	4075.7	4203.2	4337.9	4477.8	4631.9	4755.9	4869.2	4959.6	5000.3	5000.3
15°	4123.5	4192.6	4355.6	4536.2	4741.7	4956.0	5113.7	5239.4	5340.4	5390.0	5386.5
17.5°	4233.4	4325.5	4530.9	4803.7	5097.7	5379.4	5563.6	5655.7	5760.2	5808.0	5806.3
20°	4339.6	4453.0	4747.0	5143.8	5535.2	5834.6	5983.4	6008.2	6015.3	6020.6	6034.7
22.5°	4449.5	4601.8	5018.0	5572.4	5992.2	6199.5	6220.7	6114.5	5965.7	5896.6	5916.1
25°	4569.9	4771.8	5372.3	6045.4	6385.5	6410.3	6247.3	5988.7	5707.1	5577.8	5597.2
27.5°	4686.8	4968.4	5797.4	6497.1	6668.9	6451.0	6100.3	5733.6	5393.5	5257.2	5273.1
30°	4803.7	5193.4	6266.8	6892.0	6798.2	6350.0	5868.2	5459.1	5117.2	4973.8	4989.7
32.5°	4922.4	5455.5	6807.0	7177.2	6775.1	6135.7	5579.5	5150.9	4849.8	4699.2	4718.7
35°	5057.0	5777.9	7318.9	7333.1	6621.0	5820.4	5198.7	4782.5	4520.3	4399.9	4426.4
37.5°	5232.4	6187.1	7770.6	7372.1	6351.8	5358.1	4725.8	4346.7	4130.6	4075.7	4114.7
40°	5450.2	6679.5	8116.0	7310.1	5953.3	4796.6	4208.6	3905.7	3783.5	3795.9	3838.4
42.5°	5733.6	7230.4	8358.7	7150.7	5398.9	4217.4	3755.1	3620.5	3678.9	3728.5	3774.6
45°	6102.1	7802.5	8509.2	6879.6	4771.8	3726.8	3487.6	3519.5	3563.8	3569.1	3604.6
47.5°	6573.2	8381.7	8608.4	6470.5	4132.4	3381.4	3317.6	3324.7	3315.8	3278.6	3307.0
50°	7161.3	8945.0	8697.0	5928.5	3588.6	3165.3	3080.3	3055.5	2933.2	2812.8	2828.7
52.5°	7830.8	9462.2	8734.2	5255.4	3165.3	2984.6	2846.4	2690.6	2462.1	2424.9	2437.3
55°	8574.8	9940.4	8638.5	4428.2	2809.2	2752.6	2543.6	2355.8	2331.0	2299.1	2304.4
57.5°	9463.9	10455.9	8443.7	3505.4	2444.4	2481.6	2277.9	2299.1	2254.8	2205.2	2196.4
60°	10436.4	10989.0	8101.8	2664.0	2067.1	2143.2	2208.8	2207.0	2194.6	2153.9	2139.7
62.5°	11311.4	11339.7	7428.7	2040.5	1735.9	1881.1	2060.0	2058.2	2047.6	2024.6	2015.7
65°	11832.1	11286.6	6305.8	1606.5	1463.1	1665.0	1858.1	1872.2	1874.0	1872.2	1872.2
67.5°	11740.0	10664.9	4764.7	1278.9	1238.1	1445.4	1657.9	1677.4	1691.6	1695.1	1698.7
70°	10698.5	9299.2	3106.8	1020.3	1038.0	1252.3	1468.4	1487.9	1500.3	1514.4	1521.5
72.5°	8339.2	6837.1	1778.4	825.4	862.6	1085.8	1280.6	1303.7	1310.7	1337.3	1347.9
75°	5081.8	4020.8	960.0	650.1	708.5	928.2	1094.7	1121.2	1133.6	1165.5	1169.0
77.5°	2416.0	1741.2	547.3	506.6	570.4	758.1	924.6	954.7	921.1	938.8	924.6
80°	816.6	646.5	345.4	386.1	435.7	591.6	740.4	770.5	699.7	696.1	689.0
82.5°	285.2	262.1	219.6	256.8	281.6	423.3	559.7	598.7	520.8	519.0	494.2
85°	111.6	106.3	122.2	139.9	168.3	260.4	368.4	387.9	320.6	258.6	255.1
87.5°	23.0	24.8	30.1	31.9	51.4	90.3	132.8	163.0	129.3	109.8	101.0
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)