

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: P942297

Luminaire Tested: **GALN-SB6B-727-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-727-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31694 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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



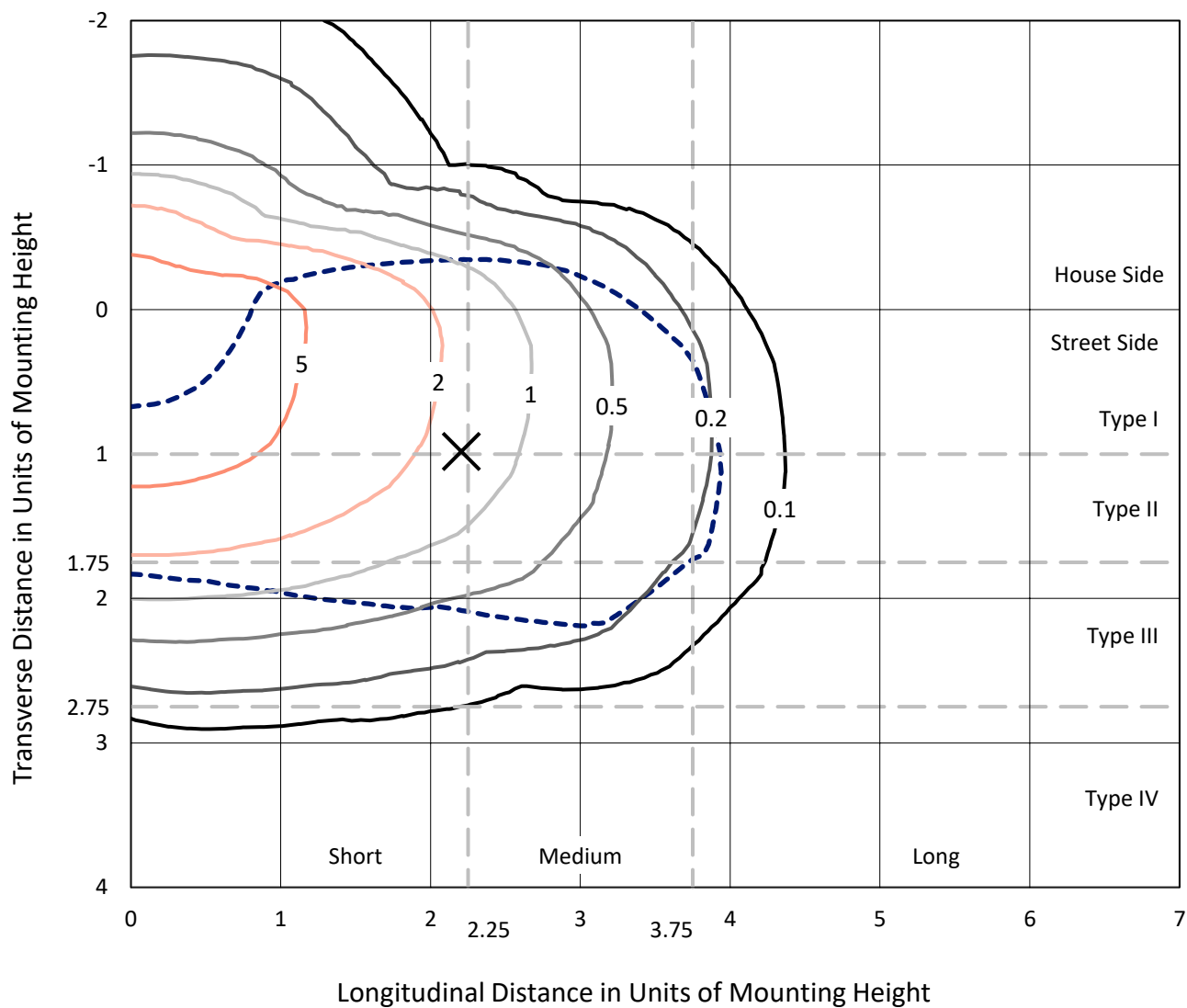
REPORT NUMBER: P942297

CATALOG NUMBER: GALN-SB6B-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

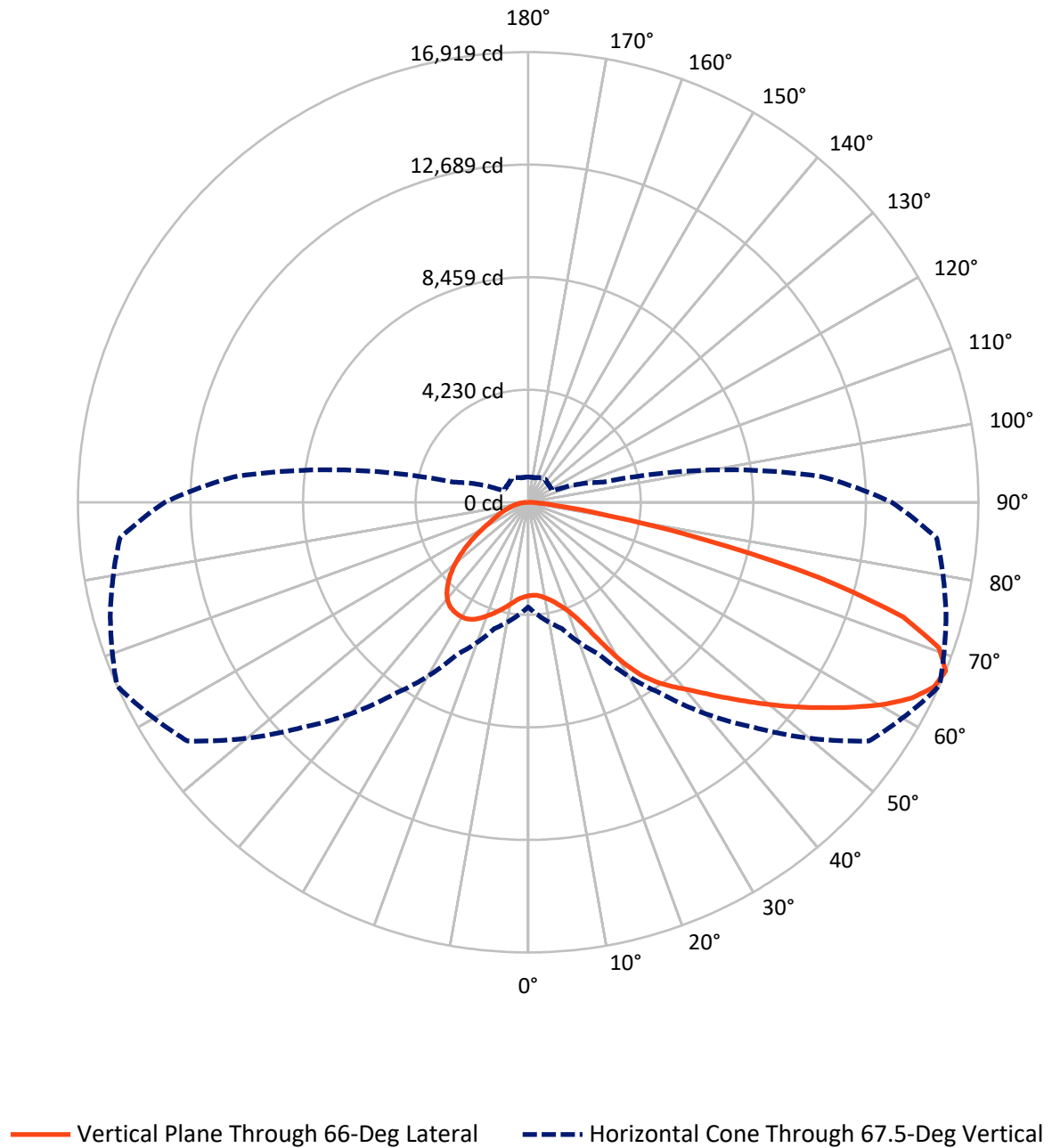


Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type III - Short - N/A

REPORT NUMBER: P942297

CATALOG NUMBER: GALN-SB6B-727-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P942297

CATALOG NUMBER: GALN-SB6B-727-U-T3

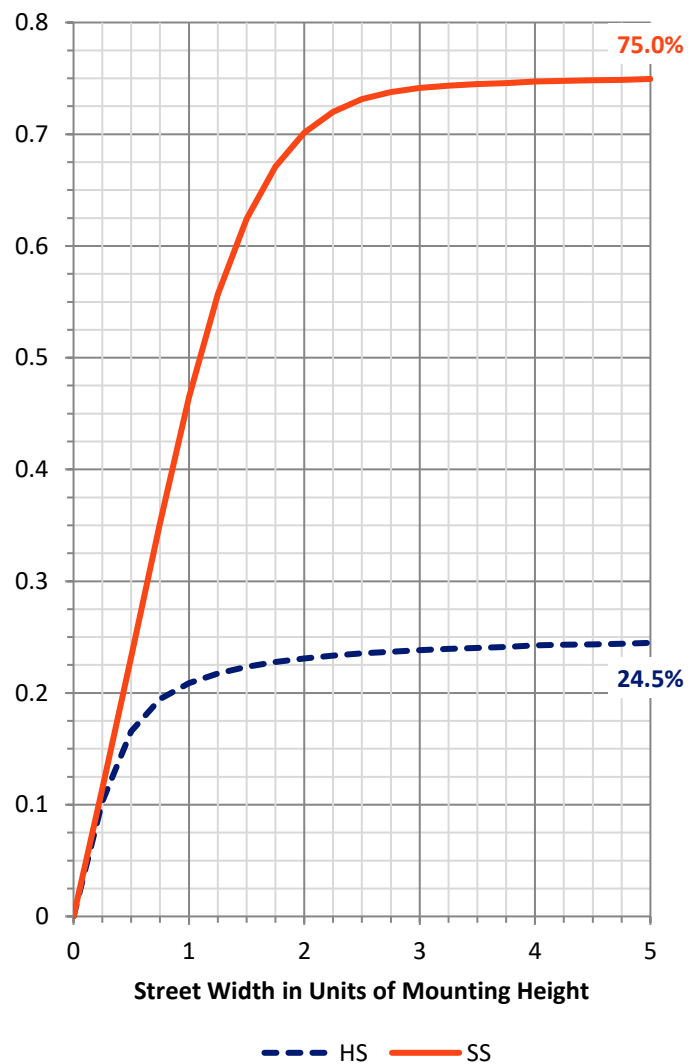
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7880.6	0.0	7880.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23813.4	0.0	23813.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	31694.0	0.0	31694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	1.1
10°-20°	1151.5	3.6
20°-30°	2219.4	7.0
30°-40°	3891.5	12.3
40°-50°	5785.3	18.3
50°-60°	7333.5	23.1
60°-70°	7175.6	22.6
70°-80°	3422.8	10.8
80°-90°	365.8	1.2
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°	31694.0	100.0
0°-180°	31694.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942297

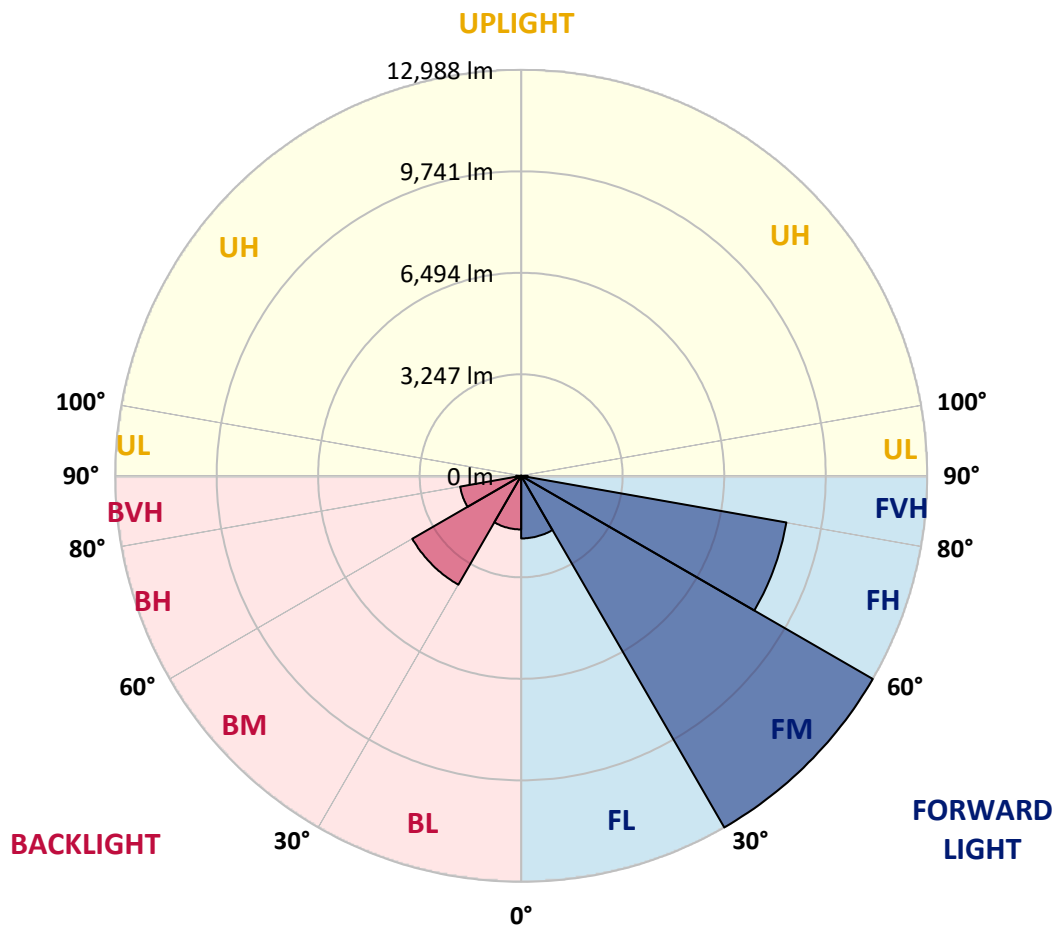
CATALOG NUMBER: GALN-SB6B-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2002.7	6.3			
FM	(30°-60°)	12987.9	41.0			
FH	(60°-80°)	8615.3	27.2			G4/12000
FVH	(80°-90°)	207.4	0.7			G2/225
BL	(0°-30°)	1716.7	5.4	B3/2500		
BM	(30°-60°)	4022.4	12.7	B3/5000		
BH	(60°-80°)	1983.2	6.3	B3/2500		G3/2500
BVH	(80°-90°)	158.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



REPORT NUMBER: P942297

CATALOG NUMBER: GALN-SB6B-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3
2.5°	3478.6	3498.6	3493.6	3485.3	3483.6	3487.0	3492.0	3497.0	3495.3	3503.6	3516.9
5°	3468.7	3488.6	3487.0	3487.0	3493.6	3507.0	3515.3	3523.6	3515.3	3525.3	3543.6
7.5°	3475.3	3490.3	3497.0	3503.6	3520.3	3545.3	3565.2	3583.6	3573.6	3585.2	3608.5
10°	3560.2	3571.9	3578.6	3578.6	3590.2	3618.5	3638.5	3671.8	3663.5	3681.8	3711.8
12.5°	3715.1	3726.8	3726.8	3720.1	3728.4	3746.7	3753.4	3790.0	3775.1	3805.0	3835.0
15°	3904.9	3928.3	3909.9	3898.3	3901.6	3919.9	3918.3	3946.6	3931.6	3956.6	3983.2
17.5°	4114.8	4144.7	4114.8	4113.1	4106.4	4126.4	4128.1	4153.1	4126.4	4144.7	4163.1
20°	4362.9	4404.5	4379.5	4387.9	4372.9	4381.2	4389.5	4426.2	4384.5	4397.9	4392.9
22.5°	4712.6	4762.5	4735.9	4767.5	4757.5	4750.9	4749.2	4814.2	4749.2	4754.2	4705.9
25°	5222.1	5282.1	5235.5	5278.8	5278.8	5300.4	5325.4	5408.6	5300.4	5268.8	5143.9
27.5°	5974.8	6034.8	5943.2	5969.8	5961.5	6014.8	5988.1	6194.6	6078.1	6026.4	5775.0
30°	6880.7	6987.3	6814.1	6807.4	6799.1	6884.0	6922.3	7058.9	6940.6	6889.0	6586.0
32.5°	7859.8	7971.4	7764.9	7705.0	7673.3	7725.0	7693.3	7803.2	7721.6	7641.7	7267.0
35°	8895.6	9005.5	8809.0	8692.5	8565.9	8457.7	8344.4	8372.7	8296.1	8174.6	7786.6
37.5°	9874.8	10076.3	9868.1	9743.2	9510.1	9298.6	8982.2	8850.7	8779.0	8667.5	8276.2
40°	10872.2	10987.1	10828.9	10722.4	10469.3	10137.9	9631.6	9353.6	9257.0	9148.7	8817.4
42.5°	11606.6	11716.5	11631.6	11558.3	11360.1	10975.5	10321.0	9973.0	9833.1	9711.6	9430.2
45°	12189.4	12271.0	12217.7	12244.4	12159.5	11786.4	11035.4	10637.4	10492.6	10344.4	10122.9
47.5°	12424.2	12510.8	12595.7	12753.9	12898.8	12624.0	11803.1	11356.8	11203.6	11052.1	10833.9
50°	12397.6	12485.8	12732.3	13068.7	13518.3	13426.7	12612.4	12122.8	11981.3	11808.1	11606.6
52.5°	12184.4	12284.3	12600.7	13160.2	13876.3	14027.8	13436.7	12913.8	12780.6	12574.1	12372.6
55°	11624.9	11684.9	12159.5	12952.1	13961.2	14447.5	14244.3	13756.4	13623.2	13335.1	13115.3
57.5°	10587.5	10674.1	11365.1	12390.9	13748.1	14732.2	14953.7	14642.3	14514.1	14099.4	13869.6
60°	9233.7	9371.9	10162.8	11448.4	13205.2	14730.6	15598.1	15513.2	15406.6	14852.1	14612.3
62.5°	7701.7	7861.5	8622.5	10116.2	12256.0	14312.6	16001.1	16242.6	16187.6	15546.5	15240.1
65°	5914.9	6024.8	6782.4	8392.7	10779.0	13415.0	16047.7	16740.5	16750.5	16074.4	15568.2
67.5°	3938.2	4254.6	4912.4	6297.9	8800.7	11948.0	15638.1	16822.1	16918.7	16255.9	15403.3
70°	1921.7	2338.0	2982.4	4093.1	6297.9	9698.3	14567.4	16152.7	16367.5	15726.4	14420.8
72.5°	797.6	932.5	1283.9	2019.9	3615.2	6544.3	12415.9	14337.6	14735.5	13934.6	12124.5
75°	537.9	582.8	734.4	1035.8	1646.9	3227.2	8953.9	10690.7	11331.8	10524.2	8602.5
77.5°	414.6	442.9	534.5	724.4	979.2	1220.6	4792.5	6442.7	6774.1	6271.2	4476.1
80°	326.4	348.0	399.7	527.9	694.4	652.8	1633.6	2919.1	3110.6	2609.4	1438.8
82.5°	283.1	291.4	286.4	358.0	461.3	381.3	536.2	1077.4	1189.0	862.6	469.6
85°	204.8	228.1	238.1	221.5	244.8	193.2	219.8	381.3	419.6	374.7	264.8
87.5°	83.3	123.2	151.5	143.2	89.9	55.0	68.3	111.6	128.2	139.9	86.6
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: P942297

CATALOG NUMBER: GALN-SB6B-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3
2.5°	3518.6	3530.3	3538.6	3548.6	3555.2	3565.2	3585.2	3596.9	3598.5	3606.9	3605.2
5°	3550.3	3566.9	3585.2	3611.9	3641.8	3666.8	3705.1	3731.8	3741.8	3750.1	3748.4
7.5°	3618.5	3641.8	3675.1	3721.8	3765.1	3798.4	3845.0	3876.6	3908.3	3919.9	3921.6
10°	3720.1	3753.4	3801.7	3865.0	3911.6	3954.9	4003.2	4029.8	4061.5	4074.8	4081.5
12.5°	3846.7	3881.6	3944.9	4033.2	4076.5	4106.4	4123.1	4116.4	4123.1	4134.7	4138.1
15°	3991.5	4029.8	4101.4	4196.4	4226.3	4199.7	4163.1	4129.8	4124.8	4128.1	4139.7
17.5°	4163.1	4191.4	4274.6	4354.6	4332.9	4223.0	4143.1	4089.8	4063.1	4054.8	4066.5
20°	4402.8	4402.8	4471.1	4521.1	4376.2	4189.7	4064.8	3978.2	3923.3	3899.9	3895.0
22.5°	4694.3	4667.6	4710.9	4675.9	4367.9	4096.4	3923.3	3773.4	3690.1	3656.8	3651.8
25°	5063.9	5032.3	5020.6	4804.2	4307.9	3948.2	3666.8	3485.3	3412.0	3393.7	3397.1
27.5°	5621.8	5541.9	5390.3	4874.1	4198.0	3715.1	3367.1	3198.9	3157.3	3158.9	3163.9
30°	6364.5	6204.6	5833.3	4885.8	4018.2	3385.4	3060.7	2940.8	2920.8	2929.1	2957.4
32.5°	7052.2	6900.7	6286.2	4832.5	3741.8	3062.3	2785.9	2706.0	2676.0	2686.0	2699.3
35°	7591.7	7550.1	6705.8	4757.5	3402.0	2759.3	2539.5	2471.2	2412.9	2399.6	2409.6
37.5°	8101.3	8084.7	7020.6	4652.6	3065.7	2544.5	2341.3	2251.4	2166.5	2119.8	2121.5
40°	8660.8	8644.2	7227.1	4491.1	2767.6	2358.0	2163.1	2044.9	1940.0	1855.1	1863.4
42.5°	9290.3	9192.0	7325.3	4259.6	2514.5	2199.8	2018.2	1858.4	1720.2	1641.9	1646.9
45°	9978.0	9756.5	7323.6	3964.9	2301.3	2054.9	1863.4	1636.9	1508.7	1435.4	1432.1
47.5°	10707.4	10296.1	7233.7	3638.5	2094.8	1895.0	1623.6	1450.4	1365.5	1320.5	1310.5
50°	11460.1	10800.6	7080.5	3263.8	1883.4	1713.5	1473.7	1355.5	1290.5	1248.9	1233.9
52.5°	12167.8	11258.6	6895.7	2839.2	1668.6	1537.0	1407.1	1315.5	1247.3	1200.6	1180.6
55°	12825.5	11653.2	6634.2	2404.6	1493.7	1418.8	1375.5	1298.9	1220.6	1165.7	1144.0
57.5°	13410.0	11909.7	6183.0	1996.6	1368.8	1337.2	1342.2	1270.6	1180.6	1134.0	1104.0
60°	13896.3	12097.8	5515.2	1618.6	1267.2	1257.2	1290.5	1217.3	1112.4	1059.1	1035.8
62.5°	14187.7	12094.5	4695.9	1325.5	1180.6	1184.0	1222.3	1150.7	1044.1	994.1	979.2
65°	14162.7	11798.1	3796.7	1134.0	1097.4	1100.7	1150.7	1077.4	987.5	957.5	955.8
67.5°	13661.5	11075.4	2912.5	1009.1	1005.8	1020.8	1079.1	1027.4	952.5	949.2	954.2
70°	12304.3	9575.0	2098.2	909.2	910.9	932.5	1009.1	995.8	934.2	940.9	939.2
72.5°	9866.4	7300.3	1408.8	804.3	806.0	840.9	942.5	970.8	915.9	1004.1	1017.5
75°	6571.0	4552.7	905.9	692.7	694.4	739.4	884.2	922.5	865.9	1000.8	1009.1
77.5°	3157.3	2046.6	656.1	582.8	582.8	624.5	764.3	826.0	737.7	777.7	712.7
80°	1090.7	769.3	516.2	469.6	459.6	487.9	644.4	716.0	636.1	586.2	549.5
82.5°	429.6	399.7	414.6	364.7	331.4	349.7	501.2	591.2	467.9	423.0	421.3
85°	246.5	259.8	293.1	241.5	191.5	214.8	368.0	424.6	353.0	311.4	318.1
87.5°	66.6	91.6	134.9	124.9	86.6	91.6	174.8	234.8	203.2	156.5	161.5
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)