

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: P952364

Luminaire Tested: **GALN-SB6B-727-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
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-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32097 lumens
Efficiency: N/A
Efficacy: 145.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - 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

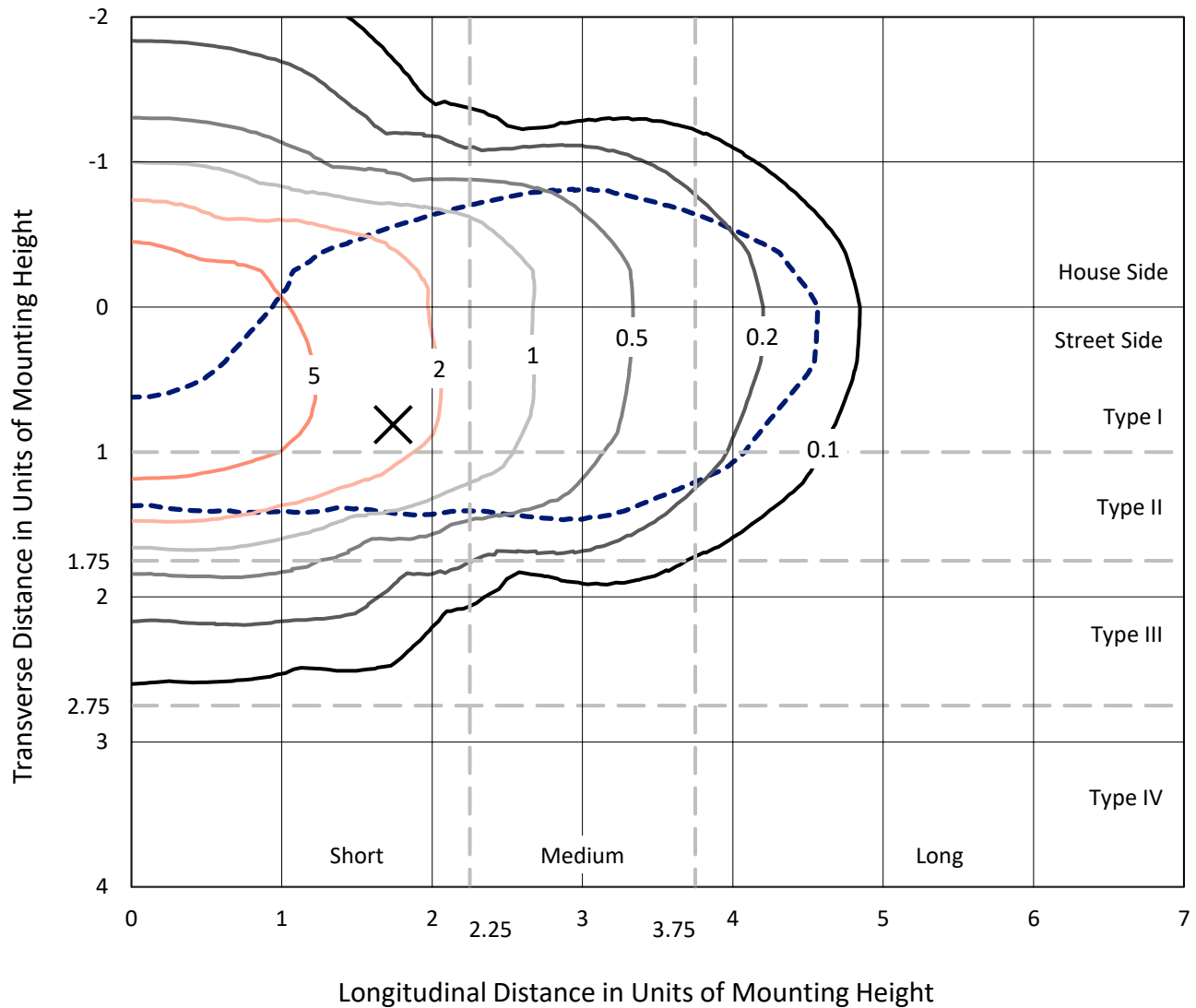


REPORT NUMBER: P952364

CATALOG NUMBER: GALN-SB6B-727-U-T2U

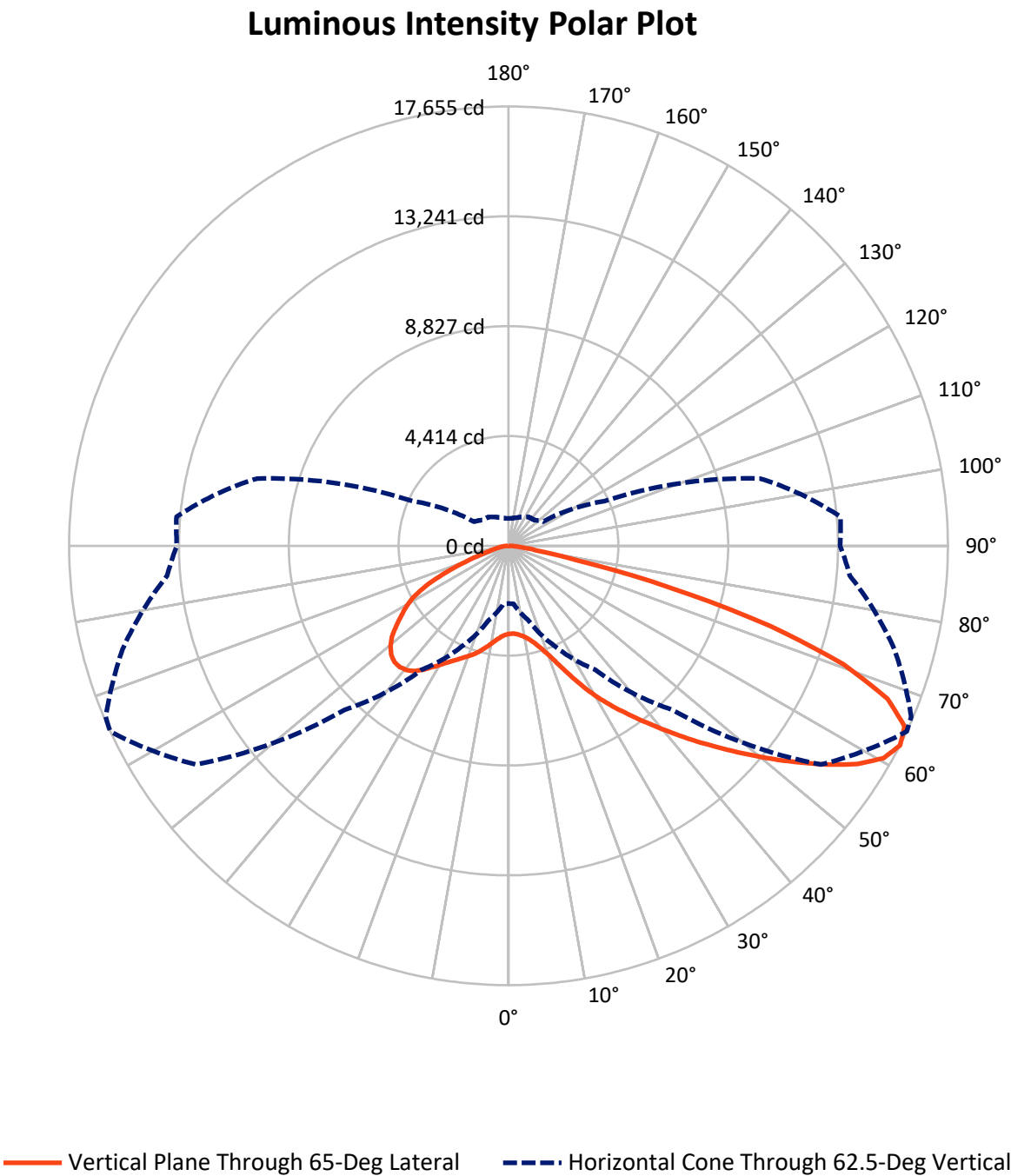
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
Type II - Short - N/A

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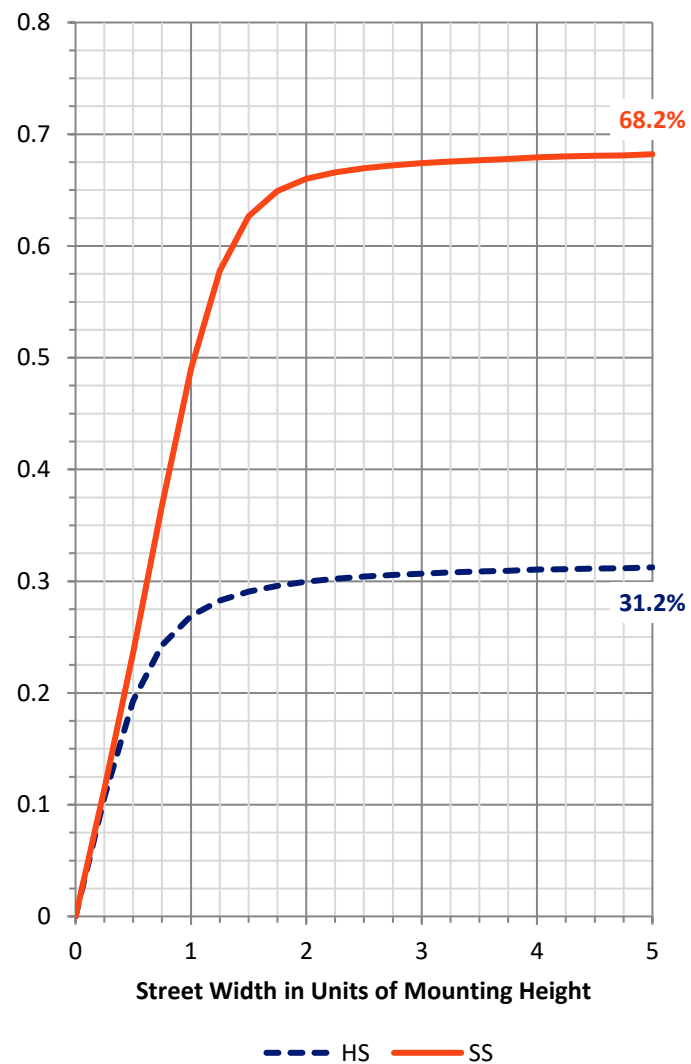
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10128.4	0.0	10128.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	21968.6	0.0	21968.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	32097.0	0.0	32097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	1.1
10°-20°	1195.8	3.7
20°-30°	2424.6	7.6
30°-40°	4195.7	13.1
40°-50°	6349.5	19.8
50°-60°	7444.3	23.2
60°-70°	6241.2	19.4
70°-80°	3445.6	10.7
80°-90°	447.6	1.4
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°	32097.0	100.0
0°-180°	32097.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952364

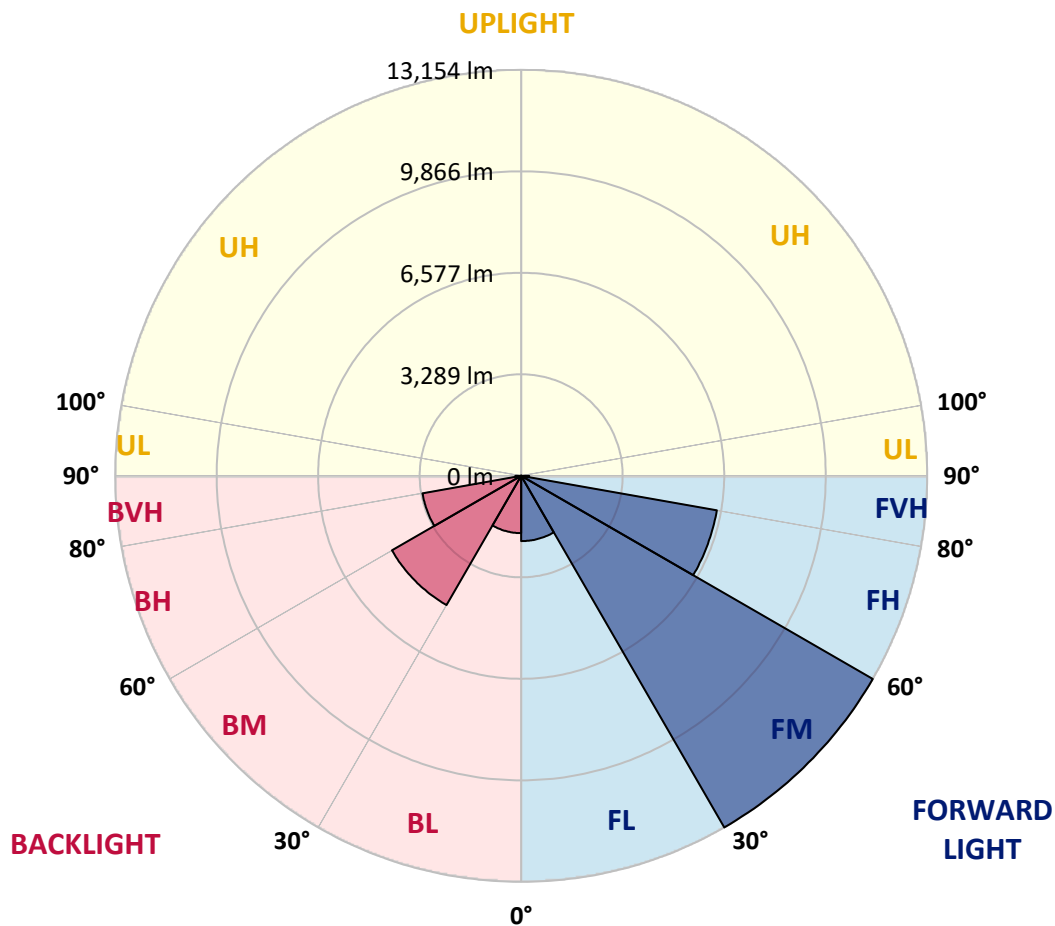
CATALOG NUMBER: GALN-SB6B-727-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2115.6	6.6			
FM	(30°-60°)	13154.4	41.0			
FH	(60°-80°)	6437.7	20.1			G3/7500
FVH	(80°-90°)	260.9	0.8			G3/500
BL	(0°-30°)	1857.4	5.8	B3/2500		
BM	(30°-60°)	4835.2	15.1	B3/5000		
BH	(60°-80°)	3249.1	10.1	B4/5000		G4/5000
BVH	(80°-90°)	186.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P952364

CATALOG NUMBER: GALN-SB6B-727-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0
2.5°	3513.6	3503.6	3512.0	3512.0	3515.3	3513.6	3525.3	3528.6	3533.6	3543.6	3543.6
5°	3478.7	3477.0	3492.0	3505.3	3518.6	3530.3	3545.3	3566.9	3570.3	3581.9	3596.9
7.5°	3467.0	3457.0	3480.3	3497.0	3528.6	3556.9	3596.9	3633.5	3648.5	3653.5	3681.8
10°	3556.9	3540.3	3561.9	3571.9	3598.6	3626.9	3673.5	3731.8	3748.4	3768.4	3800.1
12.5°	3710.1	3691.8	3723.5	3738.4	3763.4	3788.4	3820.0	3876.7	3885.0	3921.6	3951.6
15°	3920.0	3898.3	3918.3	3936.6	3978.2	4001.5	4033.2	4088.1	4088.1	4116.5	4138.1
17.5°	4204.7	4176.4	4191.4	4198.0	4224.7	4259.7	4312.9	4361.2	4386.2	4376.2	4346.3
20°	4629.3	4594.4	4594.4	4561.1	4551.1	4579.4	4649.3	4715.9	4742.6	4691.0	4617.7
22.5°	5267.1	5217.2	5188.9	5075.6	5030.7	5034.0	5103.9	5185.5	5207.2	5115.6	4950.7
25°	6078.1	5999.8	5961.5	5795.0	5693.4	5605.2	5660.1	5765.0	5795.0	5681.8	5415.3
27.5°	6889.1	6894.1	6857.4	6657.6	6489.4	6327.9	6299.6	6409.5	6441.1	6312.9	5983.2
30°	8026.4	7908.2	7838.2	7598.4	7358.7	7132.2	7015.6	7060.6	7068.9	6915.7	6532.7
32.5°	9007.2	8977.3	8827.4	8617.6	8309.5	7954.8	7760.0	7688.4	7675.0	7456.9	7002.3
35°	10124.6	10108.0	9949.8	9700.0	9366.9	8874.0	8522.7	8317.8	8301.2	7994.8	7466.9
37.5°	11260.3	11260.3	11105.4	10832.3	10487.6	9871.5	9336.9	9012.2	8958.9	8559.3	7939.8
40°	12166.2	12111.2	12139.5	12024.6	11630.0	10975.5	10241.2	9769.9	9698.3	9218.7	8442.7
42.5°	12680.7	12662.4	12832.3	12960.5	12799.0	12276.1	11237.0	10590.9	10491.0	9944.8	9022.2
45°	12795.6	12775.7	13078.7	13548.3	13774.8	13560.0	12319.4	11455.1	11333.6	10704.1	9643.4
47.5°	12530.9	12490.9	12935.5	13676.5	14402.6	14780.6	13491.7	12392.6	12216.1	11443.5	10281.1
50°	11734.9	11696.6	12369.3	13353.5	14614.1	15609.9	14763.9	13386.8	13117.0	12236.1	10925.6
52.5°	10004.7	10023.0	11077.1	12429.3	14336.0	16126.1	15859.7	14434.2	14109.5	13047.1	11530.1
55°	7793.3	7833.2	9128.8	10617.5	13223.6	16047.8	16607.3	15513.3	15190.2	13809.8	12154.5
57.5°	5580.2	5756.7	6970.7	8444.4	11087.1	14807.2	16770.5	16539.1	16226.0	14642.4	12765.7
60°	3616.9	3648.5	4897.4	6382.8	8442.7	12602.5	16439.2	17316.7	17071.9	15491.6	13276.9
62.5°	2318.0	2339.6	3100.7	4464.5	6076.4	9323.6	15323.5	17654.8	17579.8	16052.8	13768.1
65°	1703.5	1686.9	2083.2	2950.8	4093.1	5750.0	13157.0	17491.6	17639.8	16404.2	14174.4
67.5°	1422.1	1398.8	1593.6	2043.2	3015.7	3265.5	9734.9	16430.8	16973.7	16364.2	14472.5
70°	1295.5	1275.6	1393.8	1517.0	2353.0	2186.4	4907.4	14284.3	15120.3	15909.6	14424.2
72.5°	1097.4	1062.4	1223.9	1347.2	1830.1	1676.9	2028.3	10972.2	11991.3	14452.5	13744.8
75°	850.9	827.6	965.8	1185.6	1375.5	1308.9	1282.2	6662.6	7775.0	11177.0	12024.6
77.5°	674.4	642.8	769.3	924.2	1237.3	987.5	934.2	2869.2	3971.6	7135.5	8997.2
80°	507.9	479.6	584.5	731.0	950.8	744.4	604.5	1170.7	1497.0	3615.2	4524.4
82.5°	361.4	336.4	408.0	536.2	639.4	667.8	371.3	656.1	737.7	1393.8	1010.8
85°	231.5	216.5	273.1	336.4	406.3	429.6	226.5	343.0	376.3	574.5	421.3
87.5°	126.6	103.2	146.5	156.5	188.2	171.5	108.2	124.9	134.9	208.2	178.2
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: P952364

CATALOG NUMBER: GALN-SB6B-727-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0	3537.0
2.5°	3550.3	3555.3	3571.9	3576.9	3588.6	3603.6	3613.6	3623.5	3623.5	3633.5	3633.5
5°	3598.6	3610.2	3645.2	3663.5	3693.5	3723.5	3741.8	3763.4	3776.7	3783.4	3786.7
7.5°	3691.8	3710.1	3760.1	3791.7	3843.4	3885.0	3913.3	3943.3	3949.9	3968.2	3961.6
10°	3818.4	3840.0	3896.6	3956.6	4018.2	4069.8	4096.5	4118.1	4126.4	4129.8	4121.4
12.5°	3963.2	3994.9	4068.2	4141.4	4206.4	4251.3	4258.0	4253.0	4229.7	4209.7	4209.7
15°	4141.4	4169.7	4251.3	4331.3	4394.5	4402.9	4361.2	4334.6	4306.3	4301.3	4301.3
17.5°	4354.6	4369.6	4444.5	4522.8	4527.8	4499.5	4437.8	4412.9	4386.2	4367.9	4369.6
20°	4602.7	4597.7	4651.0	4684.3	4649.3	4562.7	4469.5	4427.8	4401.2	4379.6	4381.2
22.5°	4899.1	4860.8	4854.1	4845.8	4752.6	4571.1	4444.5	4391.2	4349.6	4319.6	4329.6
25°	5330.4	5183.9	5082.3	5025.7	4815.8	4526.1	4364.6	4246.3	4168.1	4116.5	4136.4
27.5°	5869.9	5623.5	5367.0	5228.8	4815.8	4434.5	4171.4	3979.9	3851.7	3798.4	3825.0
30°	6384.5	6126.4	5748.4	5473.6	4804.2	4284.6	3860.0	3593.6	3443.7	3390.4	3422.0
32.5°	6824.1	6542.7	6153.0	5741.7	4775.9	4041.5	3473.7	3178.9	3034.1	2970.8	3002.4
35°	7232.1	6932.4	6559.3	6036.5	4700.9	3685.2	3049.0	2824.2	2662.7	2561.1	2594.4
37.5°	7650.1	7293.7	6944.0	6302.9	4566.1	3268.8	2722.7	2531.2	2341.3	2204.8	2241.4
40°	8104.7	7678.4	7355.3	6461.1	4344.6	2872.5	2469.5	2294.7	2093.2	1948.3	1976.6
42.5°	8635.9	8139.6	7813.3	6542.7	4041.5	2591.1	2304.7	2133.2	1943.3	1825.1	1848.4
45°	9190.4	8647.5	8231.2	6541.0	3703.5	2459.5	2251.4	2081.5	1871.7	1748.5	1768.5
47.5°	9771.6	9178.8	8592.6	6434.5	3410.4	2477.9	2221.4	1970.0	1738.5	1618.6	1635.3
50°	10354.4	9759.9	8942.3	6234.6	3285.5	2437.9	2109.8	1813.4	1540.3	1432.1	1438.8
52.5°	10932.2	10377.7	9243.7	5949.9	3158.9	2289.7	1966.6	1610.3	1458.7	1383.8	1383.8
55°	11513.4	10988.9	9571.7	5535.2	2842.5	2116.5	1726.8	1533.7	1393.8	1325.5	1318.9
57.5°	12096.2	11694.9	9883.1	5120.6	2444.6	1903.4	1595.3	1440.4	1328.9	1270.6	1260.6
60°	12702.4	12502.6	10204.5	4739.2	2051.6	1630.3	1498.7	1365.5	1252.3	1187.3	1182.3
62.5°	13326.8	13391.8	10456.0	4248.0	1690.2	1463.7	1412.1	1275.6	1165.7	1104.0	1102.4
65°	13956.3	14249.4	10620.8	3566.9	1370.5	1305.5	1318.9	1177.3	1065.7	1012.5	1010.8
67.5°	14430.9	14867.2	10574.2	2699.3	1124.0	1155.7	1202.3	1074.1	969.2	927.5	929.2
70°	14484.2	14793.9	10114.6	1848.4	940.9	1009.1	1072.4	972.5	864.3	834.3	835.9
72.5°	13774.8	13794.8	8834.0	1207.3	796.0	885.9	935.9	869.3	764.3	734.4	732.7
75°	11914.7	11408.5	6486.1	796.0	666.1	761.0	807.6	761.0	659.4	666.1	642.8
77.5°	9027.2	8079.7	3938.3	566.2	556.2	639.4	702.7	669.4	582.8	654.4	576.2
80°	4651.0	4371.2	1756.8	423.0	439.6	511.2	577.8	534.5	461.3	439.6	401.3
82.5°	1065.7	1238.9	692.7	303.1	318.1	368.0	441.3	401.3	331.4	279.8	276.4
85°	373.0	408.0	306.4	189.8	186.5	229.8	299.7	268.1	224.8	179.8	189.8
87.5°	118.2	154.9	114.9	76.6	79.9	103.2	138.2	126.6	104.9	68.3	71.6
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)