

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: P943767

Luminaire Tested: **GALN-SB8B-927-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943767
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-SB8B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27735 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

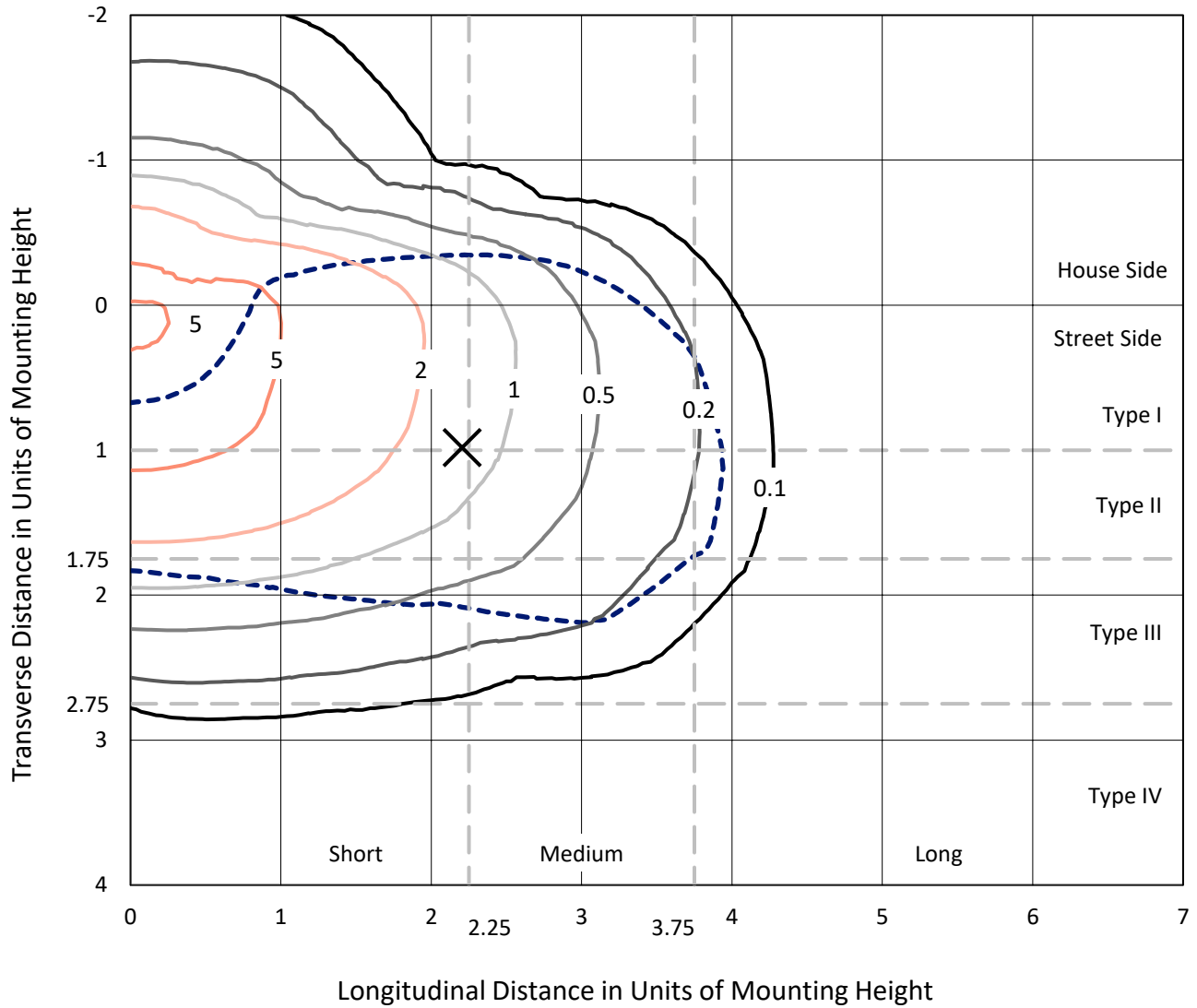
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P943767
 CATALOG NUMBER: GALN-SB8B-927-U-T3

Iso-Footcandle Lines of Horizontal Illumination

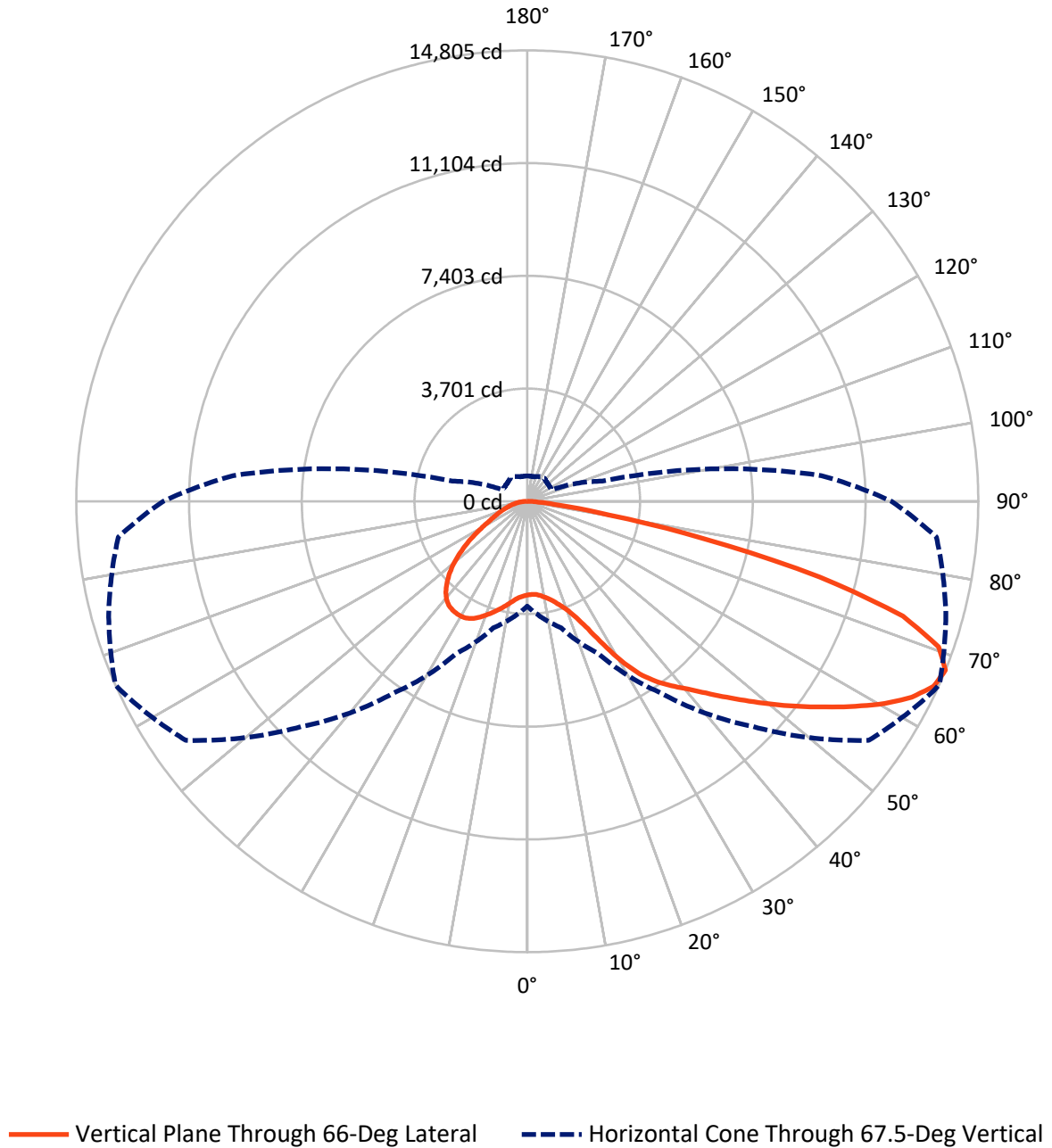
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc
 Type III - Short - N/A

REPORT NUMBER: P943767
CATALOG NUMBER: GALN-SB8B-927-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P943767

CATALOG NUMBER: GALN-SB8B-927-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6896.2	0.0	6896.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20838.8	0.0	20838.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	27735.0	0.0	27735.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.0	1.1
10°-20°	1007.6	3.6
20°-30°	1942.2	7.0
30°-40°	3405.4	12.3
40°-50°	5062.7	18.3
50°-60°	6417.4	23.1
60°-70°	6279.3	22.6
70°-80°	2995.3	10.8
80°-90°	320.1	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°	27735.0	100.0
0°-180°	27735.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943767

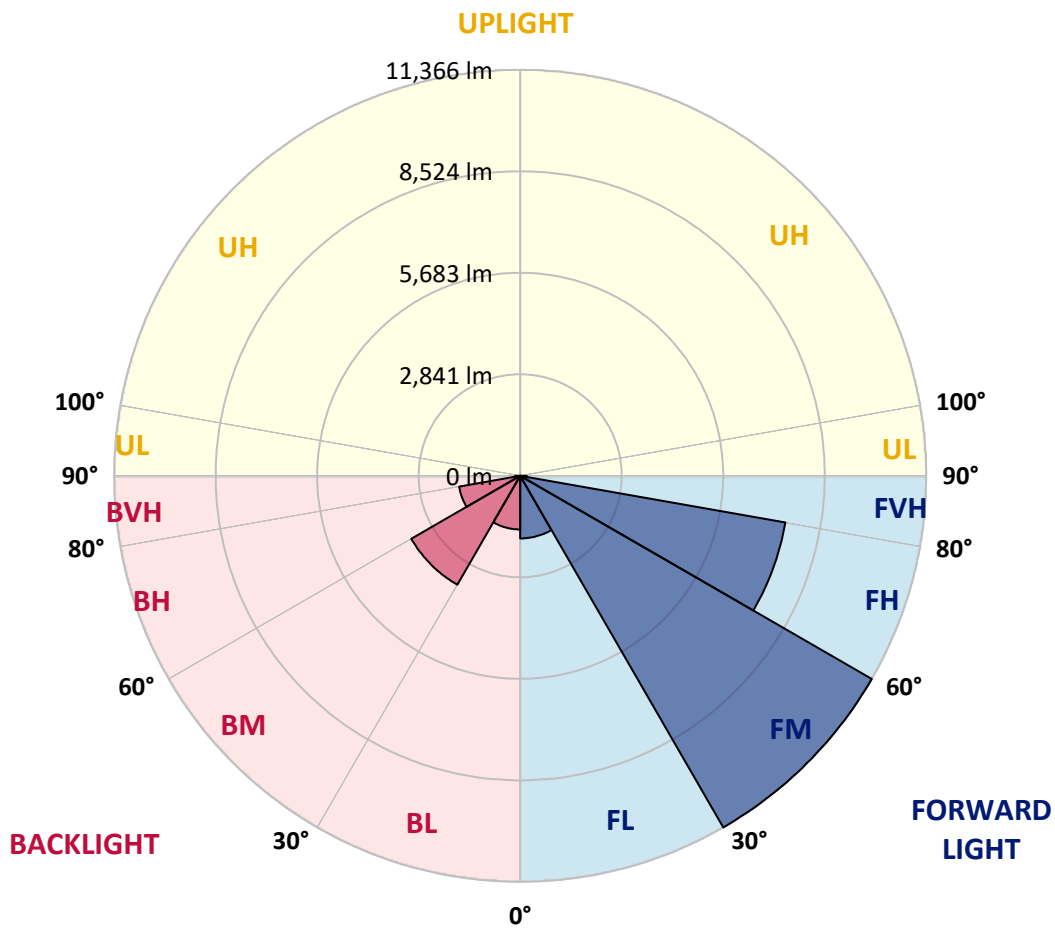
CATALOG NUMBER: GALN-SB8B-927-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1752.6	6.3			
FM (30°-60°)	11365.6	41.0			
FH (60°-80°)	7539.1	27.2			G4/12000
FVH (80°-90°)	181.5	0.7			G2/225
BL (0°-30°)	1502.2	5.4	B3/2500		
BM (30°-60°)	3519.9	12.7	B3/5000		
BH (60°-80°)	1735.4	6.3	B3/2500		G3/2500
BVH (80°-90°)	138.6	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: P943767

CATALOG NUMBER: GALN-SB8B-927-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
2.5°	3044.1	3061.6	3057.2	3049.9	3048.5	3051.4	3055.8	3060.1	3058.7	3066.0
5°	3035.4	3052.9	3051.4	3051.4	3057.2	3068.9	3076.2	3083.5	3076.2	3084.9
7.5°	3041.2	3054.3	3060.1	3066.0	3080.5	3102.4	3119.9	3135.9	3127.2	3137.4
10°	3115.5	3125.7	3131.6	3131.6	3141.8	3166.5	3184.0	3213.2	3205.9	3221.9
12.5°	3251.0	3261.2	3261.2	3255.4	3262.7	3278.7	3284.6	3316.6	3303.5	3329.7
15°	3417.2	3437.6	3421.5	3411.3	3414.3	3430.3	3428.8	3453.6	3440.5	3462.3
17.5°	3600.8	3627.0	3600.8	3599.3	3593.5	3611.0	3612.4	3634.3	3611.0	3627.0
20°	3817.9	3854.3	3832.5	3839.8	3826.6	3833.9	3841.2	3873.3	3836.8	3848.5
22.5°	4123.9	4167.6	4144.3	4172.0	4163.3	4157.4	4156.0	4212.8	4156.0	4160.3
25°	4569.8	4622.3	4581.5	4619.4	4619.4	4638.3	4660.2	4733.0	4638.3	4610.6
27.5°	5228.5	5280.9	5200.8	5224.1	5216.8	5263.5	5240.1	5420.8	5318.8	5273.7
30°	6021.2	6114.5	5962.9	5957.1	5949.8	6024.1	6057.6	6177.1	6073.7	6028.5
32.5°	6878.0	6975.7	6795.0	6742.5	6714.8	6760.0	6732.3	6828.5	6757.1	6687.2
35°	7784.4	7880.6	7708.7	7606.7	7495.9	7401.2	7302.1	7326.9	7259.8	7153.5
37.5°	8641.3	8817.6	8635.4	8526.2	8322.1	8137.1	7860.2	7745.1	7682.4	7584.8
40°	9514.1	9614.7	9476.3	9383.0	9161.5	8871.5	8428.5	8185.2	8100.7	8005.9
42.5°	10156.8	10253.0	10178.6	10114.5	9941.1	9604.5	9031.8	8727.3	8604.8	8498.5
45°	10666.8	10738.2	10691.6	10714.9	10640.6	10314.2	9657.0	9308.7	9181.9	9052.2
47.5°	10872.3	10948.0	11022.4	11160.8	11287.6	11047.1	10328.7	9938.2	9804.1	9671.5
50°	10849.0	10926.2	11141.9	11436.2	11829.7	11749.5	11036.9	10608.5	10484.7	10333.1
52.5°	10662.4	10749.9	11026.7	11516.4	12143.0	12275.6	11758.3	11300.7	11184.1	11003.4
55°	10172.8	10225.3	10640.6	11334.2	12217.3	12642.8	12465.0	12038.0	11921.5	11669.4
57.5°	9265.0	9340.7	9945.5	10843.1	12030.8	12892.0	13085.8	12813.3	12701.1	12338.2
60°	8080.2	8201.2	8893.4	10018.3	11555.7	12890.5	13649.7	13575.4	13482.1	12996.9
62.5°	6739.6	6879.5	7545.5	8852.6	10725.1	12524.8	14002.4	14213.7	14165.6	13604.5
65°	5176.0	5272.2	5935.2	7344.4	9432.5	11739.3	14043.2	14649.4	14658.1	14066.5
67.5°	3446.3	3723.2	4298.8	5511.2	7701.4	10455.5	13684.7	14720.8	14805.3	14225.3
70°	1681.6	2045.9	2609.9	3581.8	5511.2	8486.8	12747.7	14135.0	14323.0	13761.9
72.5°	698.0	816.0	1123.5	1767.6	3163.6	5726.8	10865.0	12546.6	12894.9	12194.0
75°	470.7	510.0	642.6	906.4	1441.2	2824.1	7835.4	9355.3	9916.3	9209.6
77.5°	362.8	387.6	467.8	633.9	856.8	1068.1	4193.9	5638.0	5927.9	5487.9
80°	285.6	304.6	349.7	461.9	607.7	571.2	1429.5	2554.5	2722.1	2283.5
82.5°	247.7	255.0	250.6	313.3	403.6	333.7	469.2	942.8	1040.5	754.8
85°	179.2	199.6	208.4	193.8	214.2	169.0	192.4	333.7	367.2	327.9
87.5°	72.9	107.8	132.6	125.3	78.7	48.1	59.7	97.6	112.2	122.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P943767
 CATALOG NUMBER: GALN-SB8B-927-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3076.2	0°	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2	3076.2
3077.6	2.5°	3079.1	3089.3	3096.6	3105.3	3111.2	3119.9	3137.4	3147.6	3149.0	3156.3
3101.0	5°	3106.8	3121.4	3137.4	3160.7	3186.9	3208.8	3242.3	3265.6	3274.4	3281.6
3157.8	7.5°	3166.5	3186.9	3216.1	3256.9	3294.8	3323.9	3364.7	3392.4	3420.1	3430.3
3248.1	10°	3255.4	3284.6	3326.8	3382.2	3423.0	3460.9	3503.1	3526.5	3554.1	3565.8
3356.0	12.5°	3366.2	3396.8	3452.1	3529.4	3567.3	3593.5	3608.1	3602.2	3608.1	3618.3
3485.7	15°	3492.9	3526.5	3589.1	3672.2	3698.4	3675.1	3643.0	3613.9	3609.5	3612.4
3643.0	17.5°	3643.0	3667.8	3740.7	3810.6	3791.7	3695.5	3625.5	3578.9	3555.6	3548.3
3844.1	20°	3852.9	3852.9	3912.6	3956.3	3829.6	3666.3	3557.1	3481.3	3433.2	3412.8
4118.1	22.5°	4107.9	4084.6	4122.5	4091.9	3822.3	3584.7	3433.2	3302.0	3229.2	3200.0
4501.3	25°	4431.4	4403.7	4393.5	4204.1	3769.8	3455.1	3208.8	3049.9	2985.8	2969.8
5053.6	27.5°	4919.6	4849.6	4717.0	4265.3	3673.6	3251.0	2946.5	2799.3	2762.9	2764.3
5763.3	30°	5569.5	5429.6	5104.6	4275.5	3516.3	2962.5	2678.4	2573.4	2556.0	2563.2
6359.3	32.5°	6171.3	6038.7	5501.0	4228.8	3274.4	2679.8	2437.9	2368.0	2341.7	2350.5
6813.9	35°	6643.4	6607.0	5868.2	4163.3	2977.1	2414.6	2222.3	2162.5	2111.5	2099.8
7242.4	37.5°	7089.3	7074.8	6143.6	4071.5	2682.7	2226.6	2048.8	1970.2	1895.8	1855.0
7715.9	40°	7579.0	7564.4	6324.3	3930.1	2421.9	2063.4	1892.9	1789.5	1697.7	1623.3
8252.2	42.5°	8129.8	8043.8	6410.3	3727.6	2200.4	1925.0	1766.1	1626.3	1505.3	1436.8
8858.4	45°	8731.6	8537.8	6408.8	3469.6	2013.9	1798.2	1630.6	1432.4	1320.2	1256.1
9480.6	47.5°	9369.9	9010.0	6330.1	3184.0	1833.2	1658.3	1420.8	1269.2	1194.9	1155.6
10156.8	50°	10028.5	9451.5	6196.1	2856.1	1648.1	1499.5	1289.6	1186.2	1129.3	1092.9
10827.1	52.5°	10647.9	9852.2	6034.3	2484.5	1460.1	1345.0	1231.3	1151.2	1091.5	1050.7
11477.0	55°	11223.5	10197.6	5805.5	2104.2	1307.1	1241.5	1203.7	1136.6	1068.1	1020.0
12137.1	57.5°	11734.9	10422.0	5410.6	1747.2	1197.8	1170.1	1174.5	1111.9	1033.2	992.4
12787.0	60°	12160.4	10586.7	4826.3	1416.4	1108.9	1100.2	1129.3	1065.2	973.4	926.8
13336.4	62.5°	12415.5	10583.7	4109.3	1159.9	1033.2	1036.1	1069.6	1006.9	913.7	870.0
13623.5	65°	12393.6	10324.4	3322.4	992.4	960.3	963.2	1006.9	942.8	864.1	837.9
13479.2	67.5°	11955.0	9691.9	2548.7	883.1	880.2	893.3	944.3	899.1	833.5	830.6
12619.5	70°	10767.4	8379.0	1836.1	795.6	797.1	816.0	883.1	871.4	817.5	823.3
10610.0	72.5°	8634.0	6388.4	1232.8	703.8	705.3	735.9	824.8	849.6	801.5	878.7
7528.0	75°	5750.2	3984.0	792.7	606.2	607.7	647.0	773.8	807.3	757.8	875.8
3917.0	77.5°	2762.9	1790.9	574.1	510.0	510.0	546.5	668.9	722.8	645.5	680.5
1259.0	80°	954.5	673.2	451.7	410.9	402.2	427.0	563.9	626.6	556.7	512.9
410.9	82.5°	376.0	349.7	362.8	319.1	290.0	306.0	438.6	517.3	409.5	370.1
231.7	85°	215.7	227.3	256.5	211.3	167.6	188.0	322.0	371.6	308.9	272.5
75.8	87.5°	58.3	80.1	118.0	109.3	75.8	80.1	153.0	205.5	177.8	137.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

<u>180°</u>
3076.2
3154.9
3280.2
3431.7
3571.6
3621.2
3622.6
3558.5
3408.4
3195.7
2972.7
2768.7
2588.0
2362.1
2108.6
1856.5
1630.6
1441.2
1253.2
1146.8
1079.8
1033.2
1001.1
966.1
906.4
856.8
836.4
835.0
821.9
890.4
883.1
623.7
480.9
368.7
278.3
141.3
0.0

F REPORT)