

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: P942147

Luminaire Tested: **GALN-SB6A-735-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942147
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-SB6A-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27220 lumens
Efficiency: N/A
Efficacy: 159.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

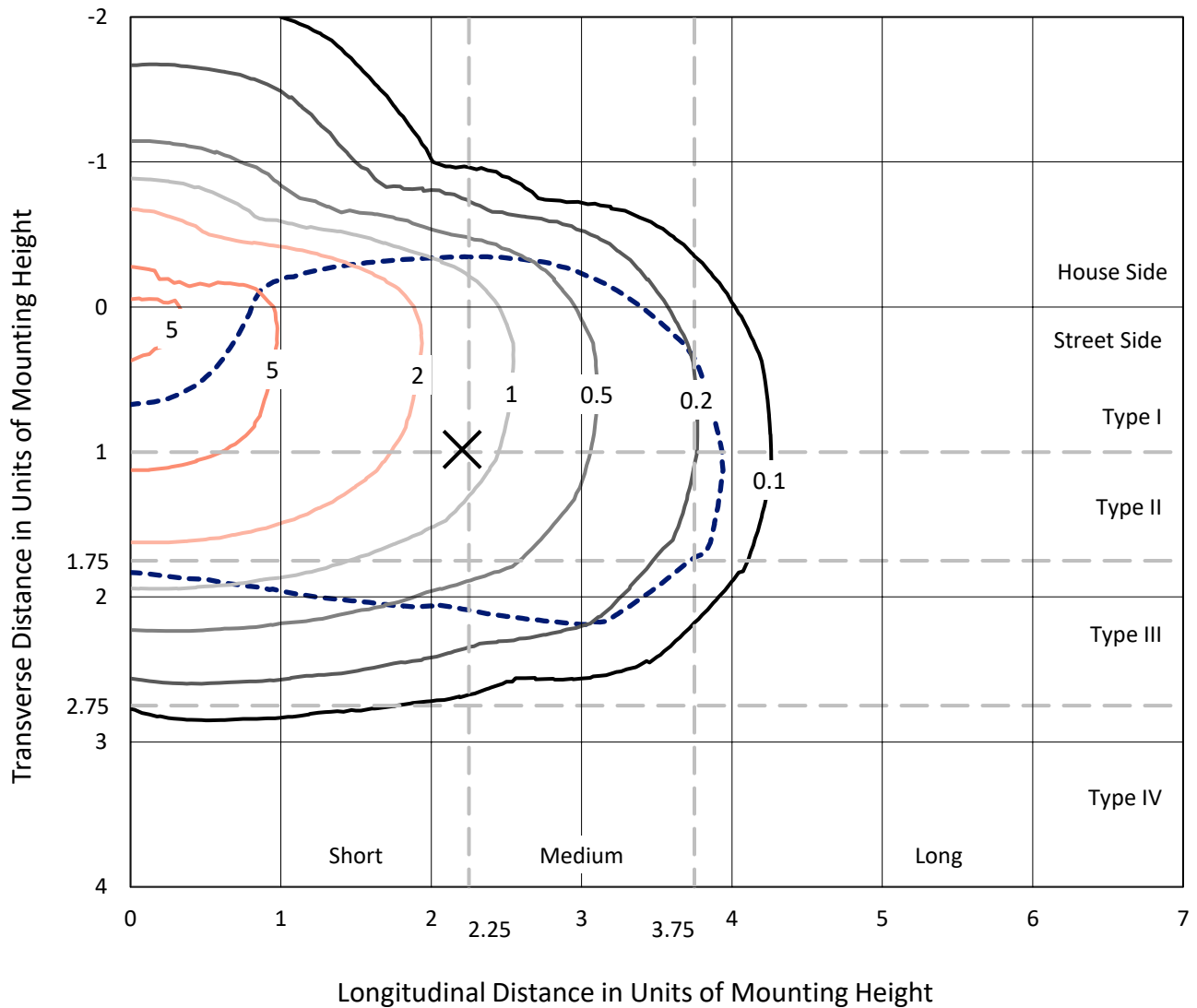
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942147
 CATALOG NUMBER: GALN-SB6A-735-U-T3

Iso-Footcandle Lines of Horizontal Illumination

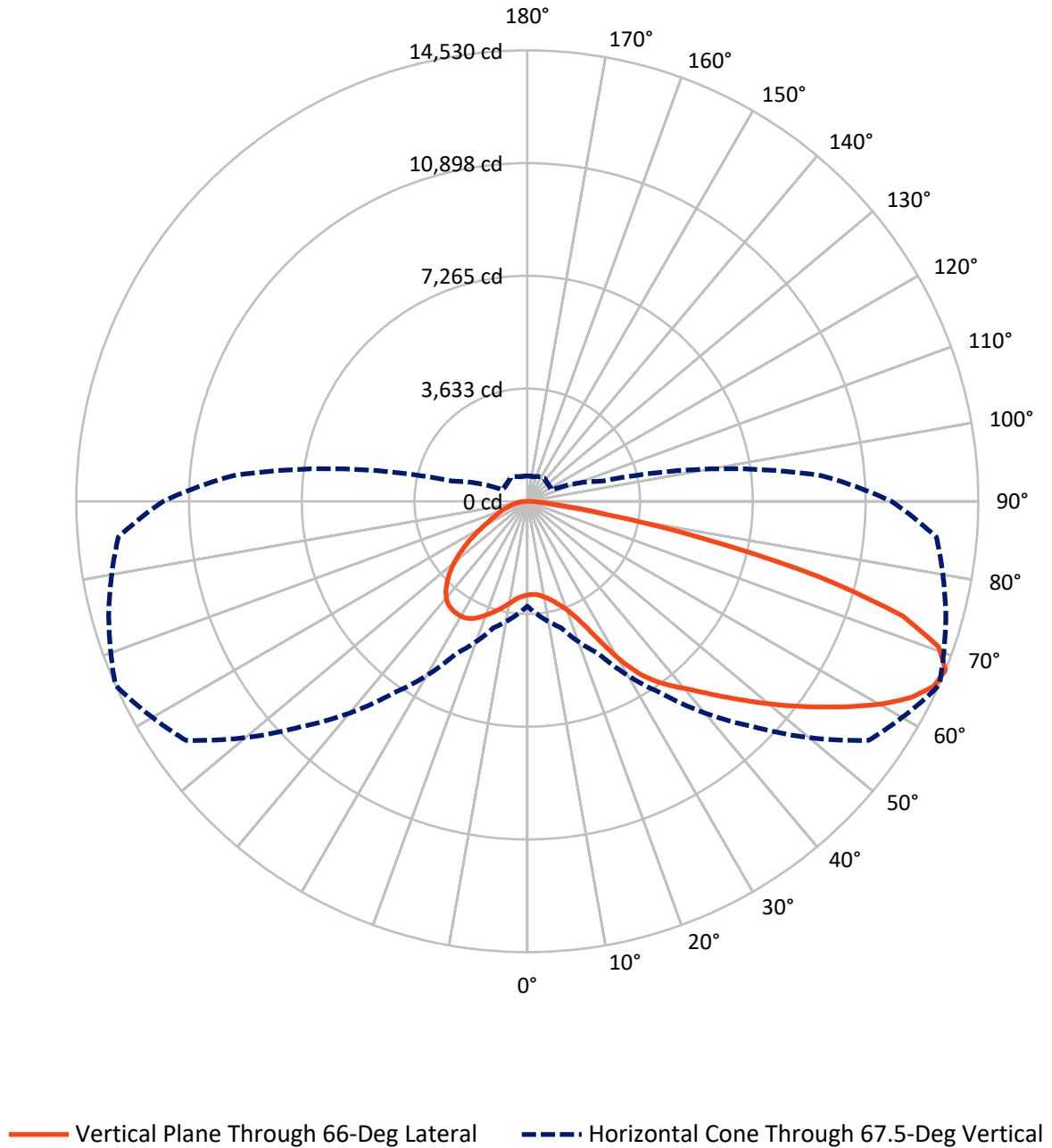
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

REPORT NUMBER: P942147
CATALOG NUMBER: GALN-SB6A-735-U-T3

Luminous Intensity Polar Plot



REPORT NUMBER: P942147
 CATALOG NUMBER: GALN-SB6A-735-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6768.2	0.0	6768.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	20451.8	0.0	20451.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	27220.0	0.0	27220.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.3	1.1
10°-20°	988.9	3.6
20°-30°	1906.1	7.0
30°-40°	3342.1	12.3
40°-50°	4968.7	18.3
50°-60°	6298.3	23.1
60°-70°	6162.7	22.6
70°-80°	2939.7	10.8
80°-90°	314.2	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°	27220.0	100.0
0°-180°	27220.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942147

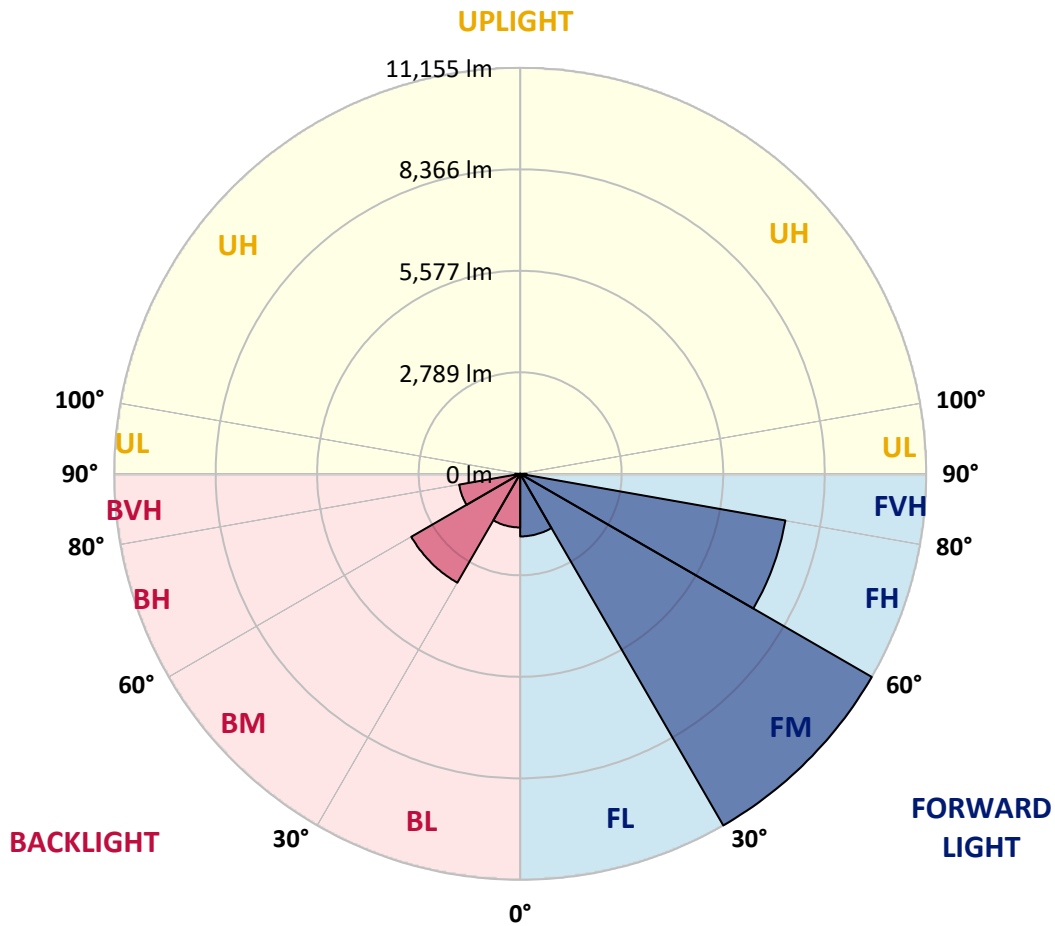
CATALOG NUMBER: GALN-SB6A-735-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1720.0	6.3			
FM (30°-60°)	11154.5	41.0			
FH (60°-80°)	7399.1	27.2			G3/7500
FVH (80°-90°)	178.1	0.7			G2/225
BL (0°-30°)	1474.4	5.4	B3/2500		
BM (30°-60°)	3454.5	12.7	B3/5000		
BH (60°-80°)	1703.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	136.1	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-G3

Type III Short



REPORT NUMBER: P942147

CATALOG NUMBER: GALN-SB6A-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1
2.5°	2987.6	3004.8	3000.5	2993.3	2991.9	2994.7	2999.0	3003.3	3001.9	3009.0
5°	2979.0	2996.2	2994.7	2994.7	3000.5	3011.9	3019.1	3026.2	3019.1	3027.6
7.5°	2984.7	2997.6	3003.3	3009.0	3023.3	3044.8	3062.0	3077.7	3069.1	3079.1
10°	3057.7	3067.7	3073.4	3073.4	3083.4	3107.7	3124.9	3153.5	3146.3	3162.1
12.5°	3190.7	3200.7	3200.7	3195.0	3202.1	3217.8	3223.6	3255.0	3242.2	3267.9
15°	3353.7	3373.7	3358.0	3348.0	3350.9	3366.6	3365.2	3389.5	3376.6	3398.0
17.5°	3533.9	3559.7	3533.9	3532.5	3526.8	3543.9	3545.4	3566.8	3543.9	3559.7
20°	3747.0	3782.8	3761.3	3768.5	3755.6	3762.7	3769.9	3801.4	3765.6	3777.0
22.5°	4047.3	4090.2	4067.4	4094.5	4086.0	4080.2	4078.8	4134.6	4078.8	4083.1
25°	4485.0	4536.5	4496.4	4533.6	4533.6	4552.2	4573.6	4645.1	4552.2	4525.0
27.5°	5131.4	5182.9	5104.2	5127.1	5120.0	5165.7	5142.8	5320.2	5220.1	5175.7
30°	5909.4	6000.9	5852.2	5846.5	5839.3	5912.3	5945.2	6062.4	5960.9	5916.6
32.5°	6750.3	6846.2	6668.8	6617.3	6590.2	6634.5	6607.3	6701.7	6631.6	6563.0
35°	7639.9	7734.3	7565.5	7465.4	7356.7	7263.8	7166.5	7190.8	7125.0	7020.6
37.5°	8480.8	8653.9	8475.1	8367.8	8167.6	7986.0	7714.3	7601.3	7539.8	7444.0
40°	9337.5	9436.2	9300.3	9208.8	8991.4	8706.8	8272.0	8033.2	7950.2	7857.3
42.5°	9968.2	10062.6	9989.6	9926.7	9756.5	9426.2	8864.1	8565.2	8445.1	8340.7
45°	10468.7	10538.8	10493.0	10515.9	10443.0	10122.6	9477.6	9135.8	9011.4	8884.1
47.5°	10670.4	10744.8	10817.7	10953.6	11078.0	10842.0	10136.9	9753.7	9622.1	9491.9
50°	10647.5	10723.3	10935.0	11223.9	11610.0	11531.3	10832.0	10411.5	10290.0	10141.2
52.5°	10464.4	10550.3	10822.0	11302.5	11917.5	12047.6	11539.9	11090.9	10976.4	10799.1
55°	9983.9	10035.4	10443.0	11123.7	11990.4	12408.0	12233.5	11814.5	11700.1	11452.7
57.5°	9092.9	9167.3	9760.8	10641.8	11807.4	12652.6	12842.8	12575.4	12465.2	12109.1
60°	7930.2	8048.9	8728.2	9832.3	11341.1	12651.2	13396.3	13323.3	13231.8	12755.6
62.5°	6614.5	6751.8	7405.3	8688.2	10525.9	12292.2	13742.4	13949.7	13902.5	13351.9
65°	5079.9	5174.3	5825.0	7208.0	9257.4	11521.3	13782.4	14377.4	14385.9	13805.3
67.5°	3382.3	3654.0	4219.0	5408.8	7558.4	10261.4	13430.6	14447.4	14530.4	13961.2
70°	1650.4	2007.9	2561.4	3515.3	5408.8	8329.2	12511.0	13872.5	14057.0	13506.4
72.5°	685.0	800.9	1102.6	1734.8	3104.9	5620.5	10663.2	12313.6	12655.4	11967.5
75°	461.9	500.6	630.7	889.6	1414.4	2771.6	7689.9	9181.6	9732.2	9038.6
77.5°	356.1	380.4	459.1	622.1	840.9	1048.3	4116.0	5533.3	5817.9	5386.0
80°	280.3	298.9	343.2	453.4	596.4	560.6	1403.0	2507.1	2671.5	2241.1
82.5°	243.1	250.3	246.0	307.5	396.2	327.5	460.5	925.3	1021.1	740.8
85°	175.9	195.9	204.5	190.2	210.2	165.9	188.8	327.5	360.4	321.8
87.5°	71.5	105.8	130.1	123.0	77.2	47.2	58.6	95.8	110.1	120.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942147
 CATALOG NUMBER: GALN-SB6A-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3019.1	0°	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1	3019.1
3020.5	2.5°	3021.9	3031.9	3039.1	3047.7	3053.4	3062.0	3079.1	3089.1	3090.6	3097.7
3043.4	5°	3049.1	3063.4	3079.1	3102.0	3127.7	3149.2	3182.1	3205.0	3213.6	3220.7
3099.1	7.5°	3107.7	3127.7	3156.4	3196.4	3233.6	3262.2	3302.2	3329.4	3356.6	3366.6
3187.8	10°	3195.0	3223.6	3265.0	3319.4	3359.4	3396.6	3438.1	3461.0	3488.1	3499.6
3293.6	12.5°	3303.7	3333.7	3388.0	3463.8	3501.0	3526.8	3541.1	3535.3	3541.1	3551.1
3420.9	15°	3428.1	3461.0	3522.5	3604.0	3629.7	3606.9	3575.4	3546.8	3542.5	3545.4
3575.4	17.5°	3575.4	3599.7	3671.2	3739.9	3721.3	3626.9	3558.2	3512.5	3489.6	3482.4
3772.7	20°	3781.3	3781.3	3840.0	3882.9	3758.4	3598.3	3491.0	3416.6	3369.4	3349.4
4041.6	22.5°	4031.6	4008.7	4045.9	4015.9	3751.3	3518.2	3369.4	3240.7	3169.2	3140.6
4417.7	25°	4349.1	4321.9	4311.9	4126.0	3699.8	3390.9	3149.2	2993.3	2930.4	2914.7
4959.8	27.5°	4828.2	4759.6	4629.4	4186.1	3605.4	3190.7	2891.8	2747.3	2711.6	2713.0
5656.3	30°	5466.1	5328.8	5009.8	4196.1	3451.0	2907.5	2628.6	2525.7	2508.5	2515.6
6241.2	32.5°	6056.7	5926.6	5398.8	4150.3	3213.6	2630.1	2392.6	2324.0	2298.3	2306.8
6687.4	35°	6520.1	6484.3	5759.2	4086.0	2921.8	2369.8	2181.0	2122.4	2072.3	2060.9
7107.9	37.5°	6957.7	6943.4	6029.5	3995.9	2632.9	2185.3	2010.8	1933.6	1860.6	1820.6
7572.7	40°	7438.2	7423.9	6206.9	3857.1	2376.9	2025.1	1857.8	1756.2	1666.1	1593.2
8099.0	42.5°	7978.8	7894.5	6291.3	3658.3	2159.5	1889.2	1733.3	1596.1	1477.4	1410.1
8693.9	45°	8569.5	8379.3	6289.8	3405.2	1976.5	1764.8	1600.3	1405.8	1295.7	1232.8
9304.6	47.5°	9195.9	8842.6	6212.6	3124.9	1799.1	1627.5	1394.4	1245.7	1172.7	1134.1
9968.2	50°	9842.3	9276.0	6081.0	2803.1	1617.5	1471.6	1265.7	1164.1	1108.4	1072.6
10626.1	52.5°	10450.1	9669.3	5922.3	2438.4	1433.0	1320.0	1208.5	1129.8	1071.2	1031.1
11263.9	55°	11015.1	10008.2	5697.7	2065.1	1282.8	1218.5	1181.3	1115.5	1048.3	1001.1
11911.8	57.5°	11517.0	10228.5	5310.2	1714.8	1175.6	1148.4	1152.7	1091.2	1014.0	973.9
12549.6	60°	11934.6	10390.1	4736.7	1390.1	1088.3	1079.8	1108.4	1045.4	955.3	909.6
13088.8	62.5°	12184.9	10387.2	4033.0	1138.4	1014.0	1016.8	1049.7	988.2	896.7	853.8
13370.5	65°	12163.5	10132.6	3260.8	973.9	942.5	945.3	988.2	925.3	848.1	822.3
13228.9	67.5°	11733.0	9512.0	2501.3	866.7	863.8	876.7	926.7	882.4	818.0	815.2
12385.1	70°	10567.4	8223.4	1802.0	780.9	782.3	800.9	866.7	855.2	802.3	808.0
10413.0	72.5°	8473.7	6269.8	1209.9	690.8	692.2	722.2	809.5	833.8	786.6	862.4
7388.2	75°	5643.4	3910.0	778.0	594.9	596.4	635.0	759.4	792.3	743.7	859.5
3844.3	77.5°	2711.6	1757.7	563.5	500.6	500.6	536.3	656.4	709.4	633.6	667.9
1235.7	80°	936.8	660.7	443.3	403.3	394.7	419.0	553.5	615.0	546.3	503.4
403.3	82.5°	369.0	343.2	356.1	313.2	284.6	300.3	430.5	507.7	401.9	363.3
227.4	85°	211.7	223.1	251.7	207.4	164.5	184.5	316.1	364.7	303.2	267.4
74.4	87.5°	57.2	78.7	115.8	107.3	74.4	78.7	150.2	201.7	174.5	134.4
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>
3019.1
3096.3
3219.3
3368.0
3505.3
3553.9
3555.4
3492.4
3345.1
3136.3
2917.5
2717.3
2540.0
2318.3
2069.4
1822.0
1600.3
1414.4
1229.9
1125.5
1059.7
1014.0
982.5
948.2
889.6
840.9
820.9
<i>819.5</i>
806.6
873.8
866.7
612.1
472.0
361.8
273.2
138.7
0.0

F REPORT)