

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: P942575

Luminaire Tested: **GALN-SB6C-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27390 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

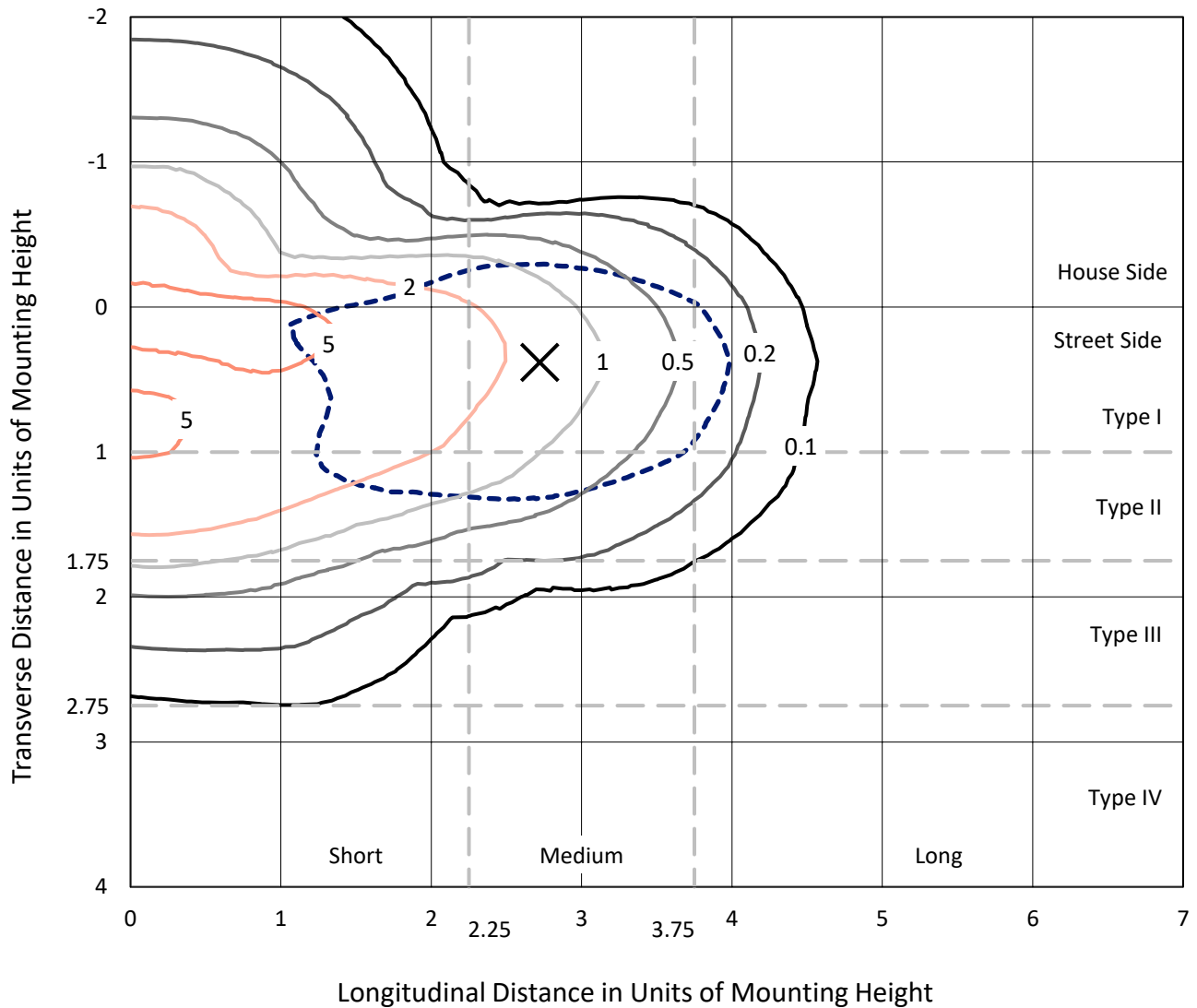
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942575
 CATALOG NUMBER: GALN-SB6C-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

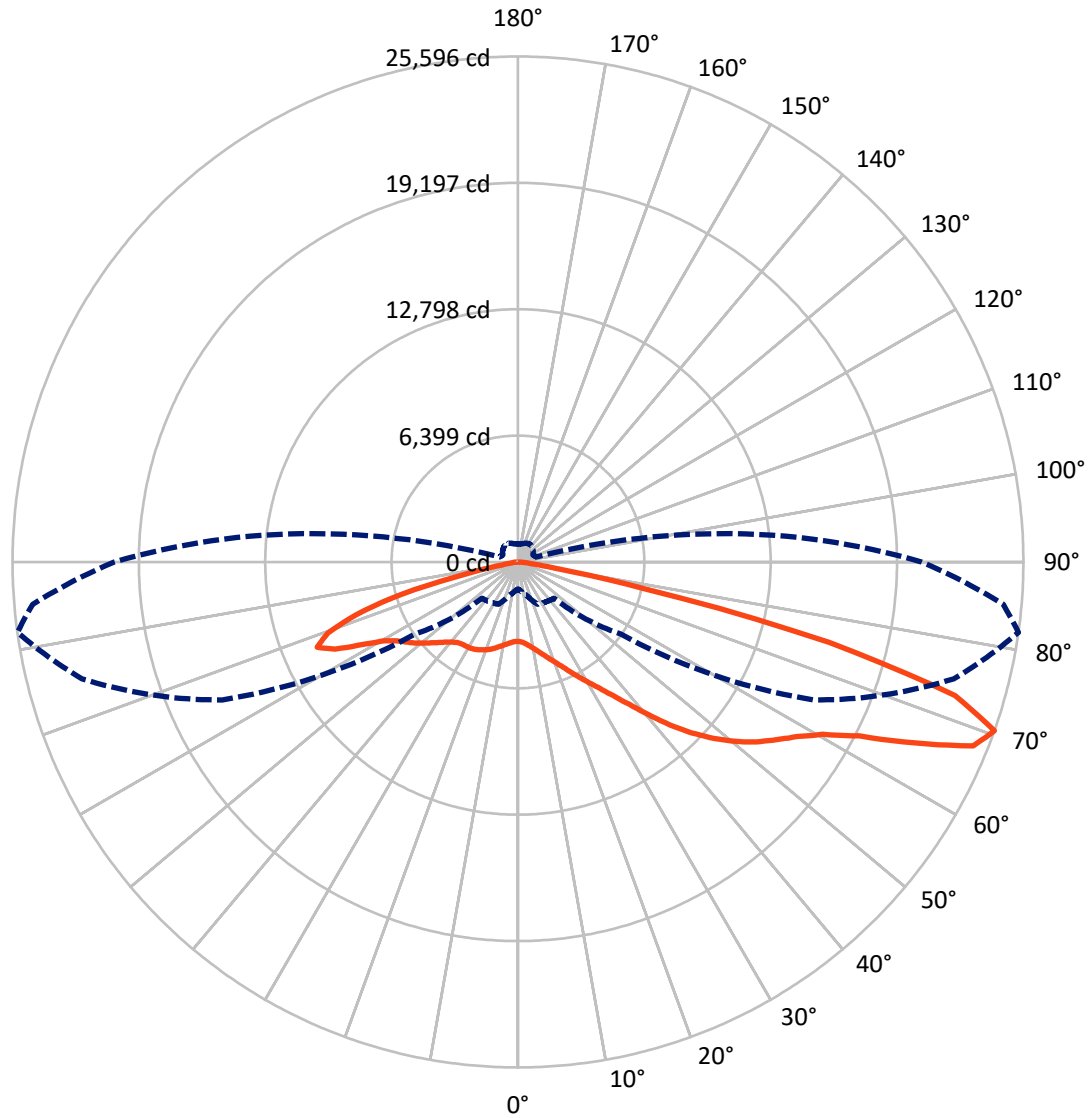
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P942575
CATALOG NUMBER: GALN-SB6C-927-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P942575

CATALOG NUMBER: GALN-SB6C-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6752.3	0.0	6752.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20637.7	0.0	20637.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	27390.0	0.0	27390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.2	1.4
10°-20°	1089.3	4.0
20°-30°	1822.3	6.7
30°-40°	2847.0	10.4
40°-50°	4534.1	16.6
50°-60°	6309.8	23.0
60°-70°	6600.3	24.1
70°-80°	3449.7	12.6
80°-90°	358.2	1.3
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°	27390.0	100.0
0°-180°	27390.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942575

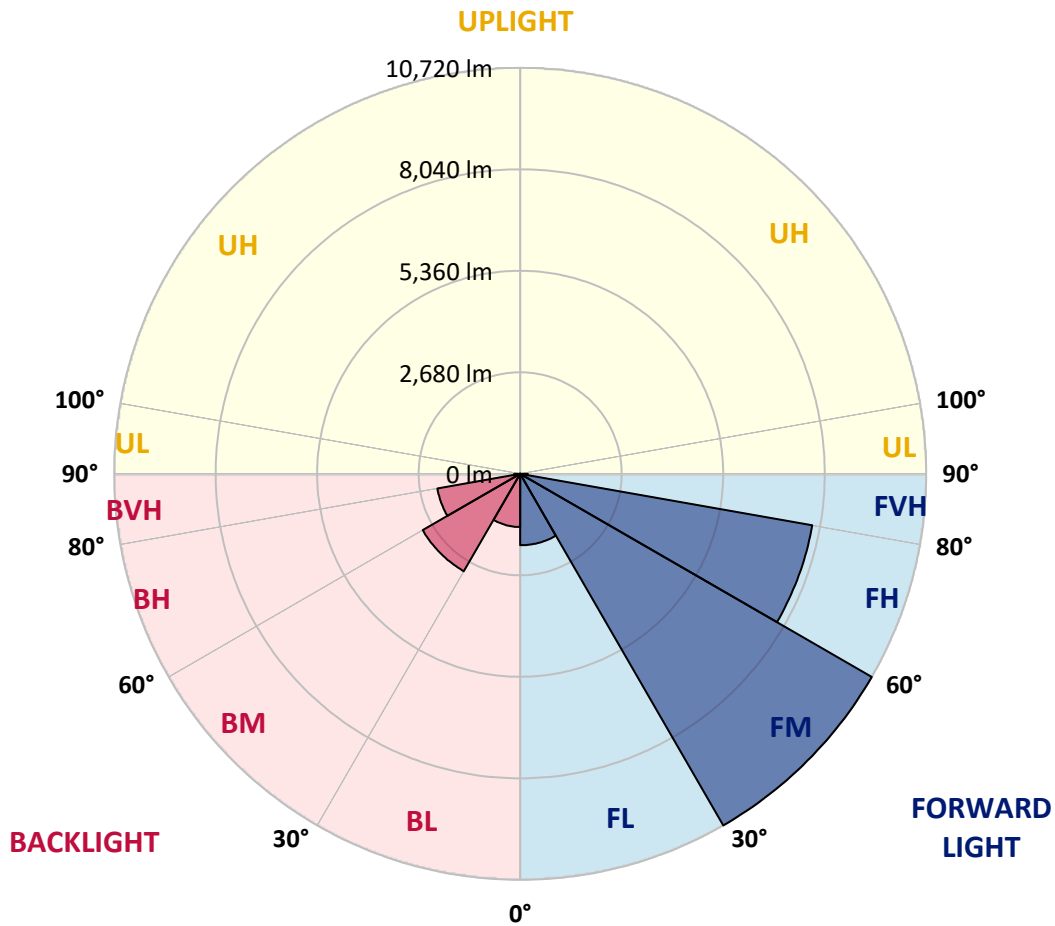
CATALOG NUMBER: GALN-SB6C-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1886.1	6.9			
FM (30°-60°)	10720.2	39.1			
FH (60°-80°)	7830.9	28.6			G4/12000
FVH (80°-90°)	200.5	0.7			G2/225
BL (0°-30°)	1404.7	5.1	B3/2500		
BM (30°-60°)	2970.7	10.8	B3/5000		
BH (60°-80°)	2219.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	157.7	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



REPORT NUMBER: P942575

CATALOG NUMBER: GALN-SB6C-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7
2.5°	4111.6	4134.9	4127.6	4120.4	4120.4	4110.2	4108.7	4094.2	4082.6	4063.7
5°	4164.0	4188.7	4185.8	4191.6	4210.5	4214.8	4219.2	4210.5	4187.2	4164.0
7.5°	4117.5	4145.1	4153.8	4188.7	4246.8	4299.1	4338.4	4354.4	4332.6	4299.1
10°	3960.5	3991.0	4021.5	4104.4	4207.6	4331.1	4435.7	4498.2	4493.9	4461.9
12.5°	3642.2	3674.2	3739.6	3900.9	4089.8	4307.8	4502.6	4633.4	4678.5	4655.2
15°	3387.9	3415.5	3464.9	3630.6	3876.2	4207.6	4527.3	4781.7	4896.5	4883.4
17.5°	3380.6	3392.2	3422.7	3501.2	3690.2	4050.6	4501.1	4927.0	5146.5	5145.0
20°	3508.5	3512.8	3530.3	3546.3	3653.8	3931.4	4434.3	5047.6	5427.0	5427.0
22.5°	3685.8	3682.9	3700.3	3685.8	3738.1	3921.2	4392.1	5153.7	5739.4	5762.7
25°	3951.8	3937.2	3932.9	3899.4	3909.6	4015.7	4438.7	5274.4	6110.1	6158.0
27.5°	4306.4	4283.1	4267.2	4190.1	4164.0	4210.5	4581.1	5419.7	6522.8	6605.7
30°	4768.6	4726.4	4703.2	4569.5	4475.0	4482.3	4796.2	5613.0	6954.5	7088.2
32.5°	5399.3	5333.9	5271.4	5052.0	4879.0	4822.3	5073.8	5880.4	7422.5	7636.1
35°	6105.7	6053.4	5986.5	5647.9	5381.9	5251.1	5448.8	6253.9	7970.4	8309.0
37.5°	6785.9	6740.8	6772.8	6316.4	5973.4	5783.0	5940.0	6755.4	8646.2	9146.2
40°	7489.3	7454.4	7458.8	7022.8	6623.1	6409.4	6535.9	7384.7	9420.9	10141.8
42.5°	8253.8	8227.6	8140.4	7753.8	7304.7	7105.6	7221.9	8111.4	10252.2	11275.4
45°	9109.8	9093.9	9012.5	8569.2	8054.7	7830.9	7987.8	8913.6	11087.9	12342.2
47.5°	9849.6	9862.7	9852.5	9479.0	8945.6	8617.1	8804.6	9750.8	11865.5	13345.0
50°	10205.7	10274.0	10374.3	10258.0	9926.7	9592.4	9628.7	10558.9	12606.7	14285.4
52.5°	10019.7	10149.0	10422.3	10608.3	10736.2	10666.4	10569.1	11361.1	13304.3	15134.1
55°	9326.4	9508.1	9961.5	10410.6	11063.2	11570.4	11698.3	12250.6	13984.5	15881.2
57.5°	8063.4	8358.4	8765.4	9673.8	10772.5	12007.9	13015.1	13484.6	14705.4	16679.1
60°	5897.9	6293.2	6799.0	8150.6	9755.2	11773.9	14135.7	15379.8	15730.0	17712.5
62.5°	3774.5	4018.6	4483.7	5756.9	7601.2	10574.9	14478.7	17748.8	17466.8	19407.1
65°	2584.1	2741.1	3166.9	3882.0	4913.9	7871.6	13560.1	19524.8	20225.4	22093.0
67.5°	1877.8	1997.0	2360.3	2986.7	3201.8	4658.1	10522.5	19443.5	22906.9	24860.2
70°	1369.1	1453.4	1758.6	2360.3	2463.5	2591.4	6374.6	16528.0	22848.7	25595.7
72.5°	1014.5	1072.6	1277.5	1831.3	1994.1	1749.9	3155.3	12012.3	19633.8	23151.0
75°	734.0	777.6	928.7	1401.1	1595.8	1332.8	1574.0	7019.9	13695.3	16285.2
77.5°	561.0	594.4	693.3	1026.1	1277.5	999.9	976.7	3229.4	6493.7	6525.7
80°	450.6	472.4	526.1	722.3	979.6	748.5	636.6	1303.7	2052.2	1736.8
82.5°	331.4	367.7	444.7	507.2	700.5	516.0	388.1	658.4	780.5	671.5
85°	188.9	213.6	268.9	363.3	447.6	315.4	222.4	292.1	363.3	297.9
87.5°	66.9	87.2	94.5	142.4	194.8	130.8	85.8	84.3	119.2	88.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942575
 CATALOG NUMBER: GALN-SB6C-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4015.7	0°	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7	4015.7
4059.3	2.5°	4044.8	4037.5	4008.4	3969.2	3928.5	3889.3	3876.2	3848.6	3829.7	3819.5
4153.8	5°	4126.2	4102.9	4034.6	3947.4	3855.8	3757.0	3687.3	3623.3	3576.8	3533.2
4283.1	7.5°	4242.4	4201.8	4084.0	3931.4	3768.6	3604.4	3482.3	3389.3	3326.8	3286.1
4434.3	10°	4377.6	4315.1	4134.9	3906.7	3655.3	3419.8	3275.9	3196.0	3156.8	3135.0
4607.2	12.5°	4533.1	4444.5	4187.2	3850.0	3482.3	3213.4	3114.6	3091.4	3092.8	3094.3
4825.3	15°	4725.0	4601.4	4229.4	3726.5	3257.0	3055.0	3037.6	3075.4	3114.6	3133.5
5072.3	17.5°	4941.5	4767.1	4236.6	3523.0	3036.1	2953.3	3008.5	3089.9	3149.5	3175.7
5348.5	20°	5174.1	4935.7	4184.3	3235.2	2854.5	2870.4	2969.3	3073.9	3139.3	3172.8
5663.9	22.5°	5440.0	5115.9	4059.3	2932.9	2706.2	2780.3	2896.6	2998.3	3066.7	3100.1
6034.5	25°	5743.8	5318.0	3863.1	2678.6	2578.3	2678.6	2794.9	2879.2	2934.4	2964.9
6448.7	27.5°	6081.0	5528.7	3601.5	2476.6	2466.4	2574.0	2669.9	2735.3	2764.3	2787.6
6889.1	30°	6419.6	5720.5	3284.7	2324.0	2369.0	2470.8	2539.1	2568.1	2576.9	2581.2
7380.3	32.5°	6785.9	5886.2	2951.8	2197.5	2276.0	2370.5	2411.2	2424.3	2383.6	2355.9
7976.2	35°	7229.2	6063.5	2626.3	2097.2	2184.4	2265.8	2278.9	2267.3	2219.3	2162.6
8723.2	37.5°	7777.1	6284.5	2366.1	2026.0	2098.7	2152.5	2136.5	2133.6	2137.9	2071.1
9621.4	40°	8448.6	6572.2	2175.7	1970.8	2028.9	2040.6	1995.5	2020.2	2042.0	1940.3
10606.8	42.5°	9194.1	6919.6	2055.1	1933.0	1970.8	1943.2	1873.4	1901.0	1898.1	1764.4
11596.6	45°	9954.3	7297.5	2012.9	1905.4	1917.0	1861.8	1784.8	1792.0	1731.0	1610.4
12545.7	47.5°	10710.0	7703.0	2039.1	1882.1	1850.2	1787.7	1728.1	1696.1	1606.0	1515.9
13455.5	50°	11451.3	8128.8	2135.0	1835.6	1758.6	1722.3	1678.7	1622.0	1526.1	1449.0
14315.9	52.5°	12138.7	8557.6	2242.6	1758.6	1643.8	1665.6	1638.0	1572.6	1478.1	1399.6
15129.8	55°	12789.8	8986.3	2284.7	1652.5	1536.2	1616.2	1600.2	1479.6	1366.2	1302.2
15981.5	57.5°	13499.1	9502.3	2238.2	1517.3	1449.0	1559.5	1498.4	1364.7	1299.3	1251.4
17090.4	60°	14481.6	10311.8	2137.9	1350.2	1366.2	1475.2	1370.5	1315.3	1244.1	1190.3
18753.1	62.5°	16113.7	11821.9	1976.6	1184.5	1268.8	1350.2	1309.5	1254.3	1181.6	1129.3
21595.9	65°	18526.4	13920.6	1672.9	1055.2	1159.8	1228.1	1244.1	1188.9	1113.3	1058.1
24087.0	67.5°	20561.1	15237.3	1265.9	947.6	1047.9	1129.3	1174.3	1120.6	1040.6	986.9
24669.8	70°	20449.2	14281.0	966.5	841.5	949.1	1031.9	1090.0	1047.9	962.1	911.3
22408.4	72.5°	18163.0	11946.9	781.9	734.0	848.8	930.2	999.9	968.0	880.8	831.3
16416.0	75°	13343.6	8480.5	625.0	625.0	723.8	824.1	901.1	880.8	800.8	765.9
6892.0	77.5°	5624.6	3557.9	489.8	518.9	601.7	707.8	803.7	811.0	741.2	784.8
1822.6	80°	1495.5	981.0	373.5	408.4	472.4	584.3	699.1	696.2	620.6	579.9
677.3	82.5°	569.7	386.6	266.0	287.8	341.5	447.6	553.7	571.2	495.6	428.8
266.0	85°	219.5	165.7	164.2	173.0	199.1	296.5	418.6	433.1	373.5	316.8
74.1	87.5°	56.7	49.4	61.0	58.1	91.6	158.4	239.8	248.5	228.2	132.3
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>
4015.7
3831.1
3550.6
3294.8
3140.8
3097.2
3132.1
3181.5
3181.5
3108.8
2973.6
2796.3
2591.4
2364.7
2165.6
2075.4
1943.2
1763.0
1614.7
1515.9
1443.2
1401.1
1296.4
1247.0
1187.4
1129.3
1061.0
988.3
915.6
831.3
755.8
712.2
539.2
428.8
327.0
188.9
0.0

F REPORT)