

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: P942369

Luminaire Tested: **GALN-SB6B-830-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942369
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30326 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

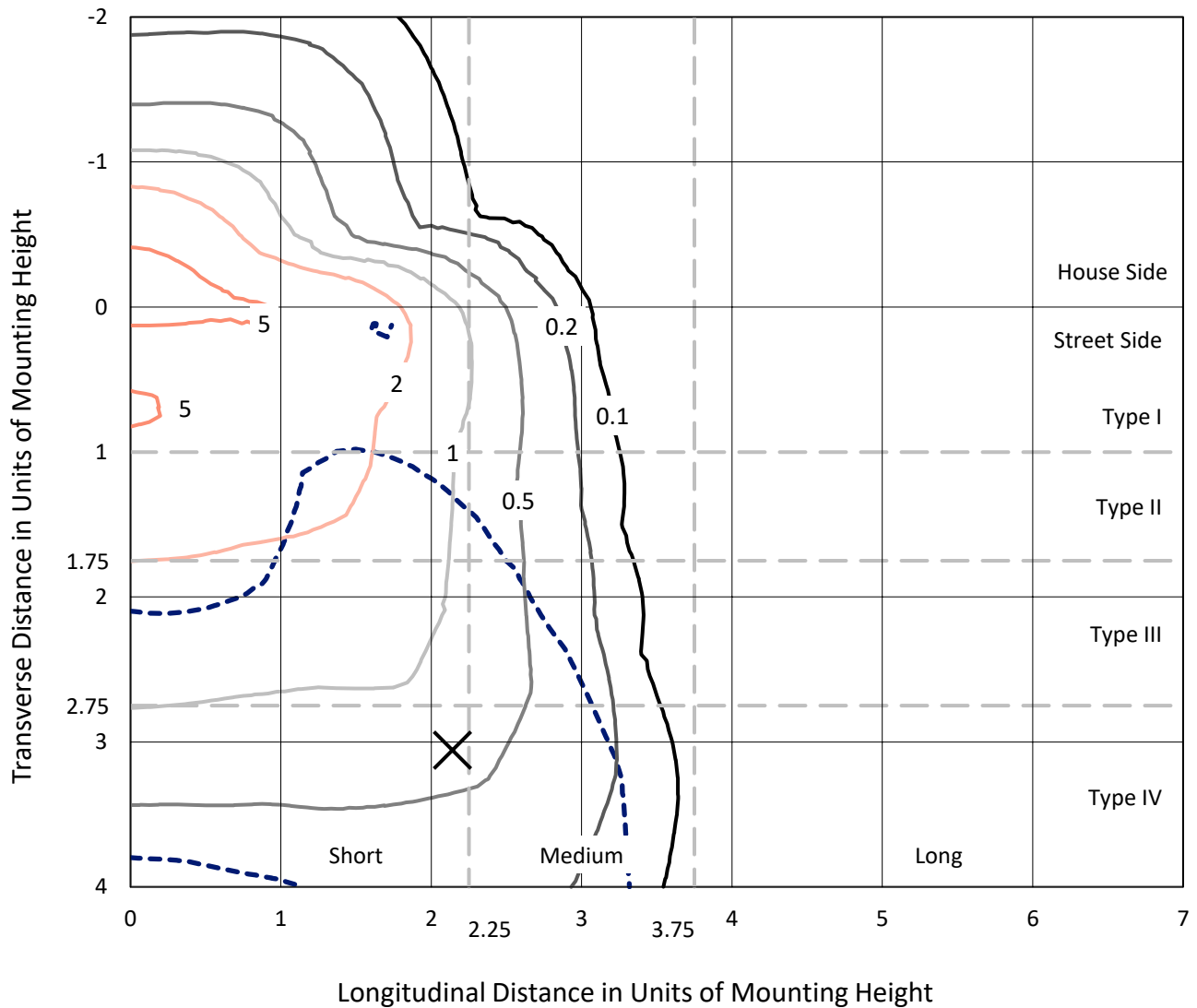
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942369
 CATALOG NUMBER: GALN-SB6B-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

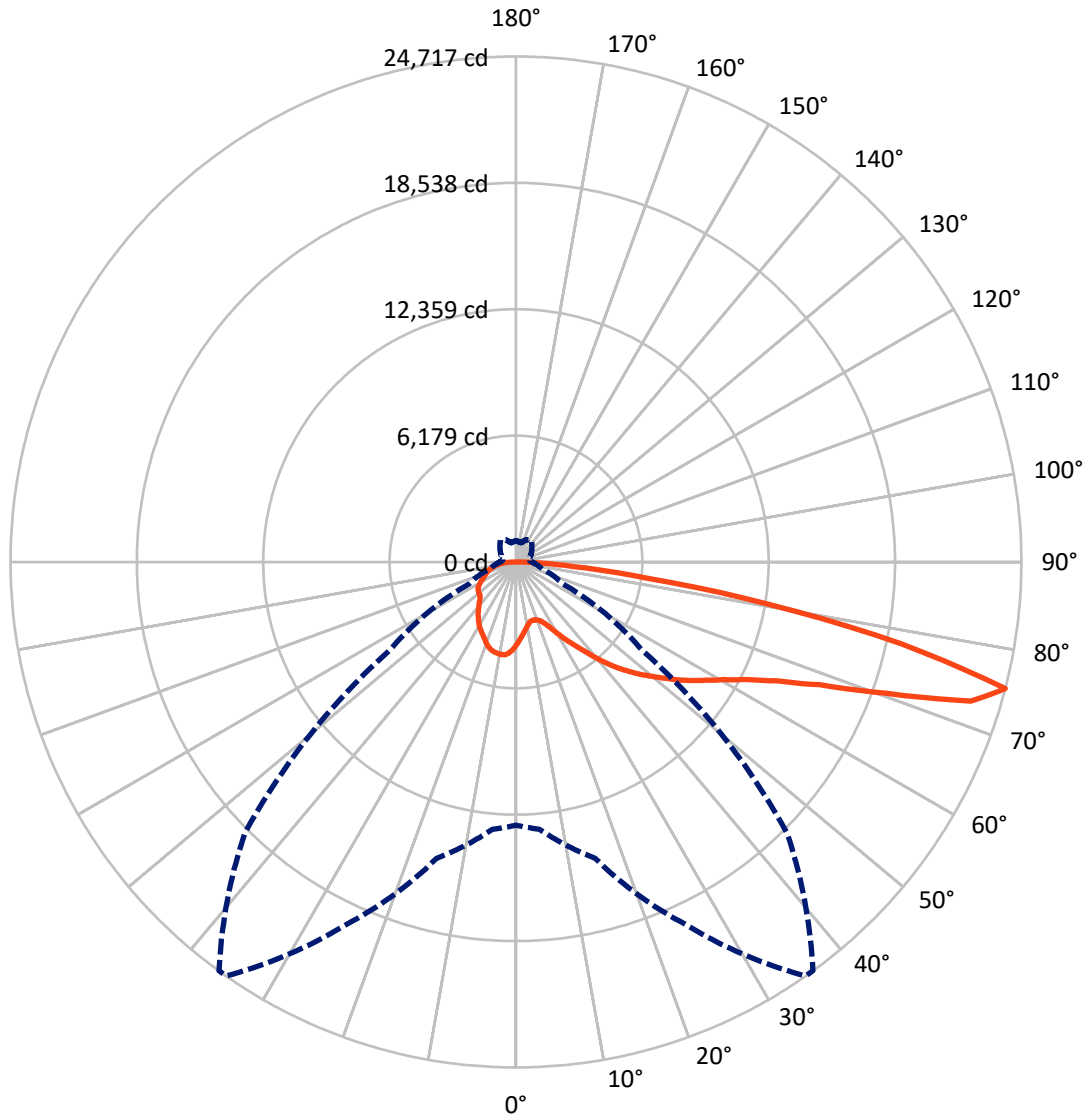
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P942369
CATALOG NUMBER: GALN-SB6B-830-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P942369
 CATALOG NUMBER: GALN-SB6B-830-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7216.8	0.0	7216.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	23109.2	0.0	23109.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	30326.0	0.0	30326.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.6	1.3
10°-20°	1103.6	3.6
20°-30°	1853.3	6.1
30°-40°	2880.3	9.5
40°-50°	4275.1	14.1
50°-60°	5902.0	19.5
60°-70°	7160.5	23.6
70°-80°	5917.6	19.5
80°-90°	851.1	2.8
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°	30326.0	100.0
0°-180°	30326.0	100.0



REPORT NUMBER: P942369

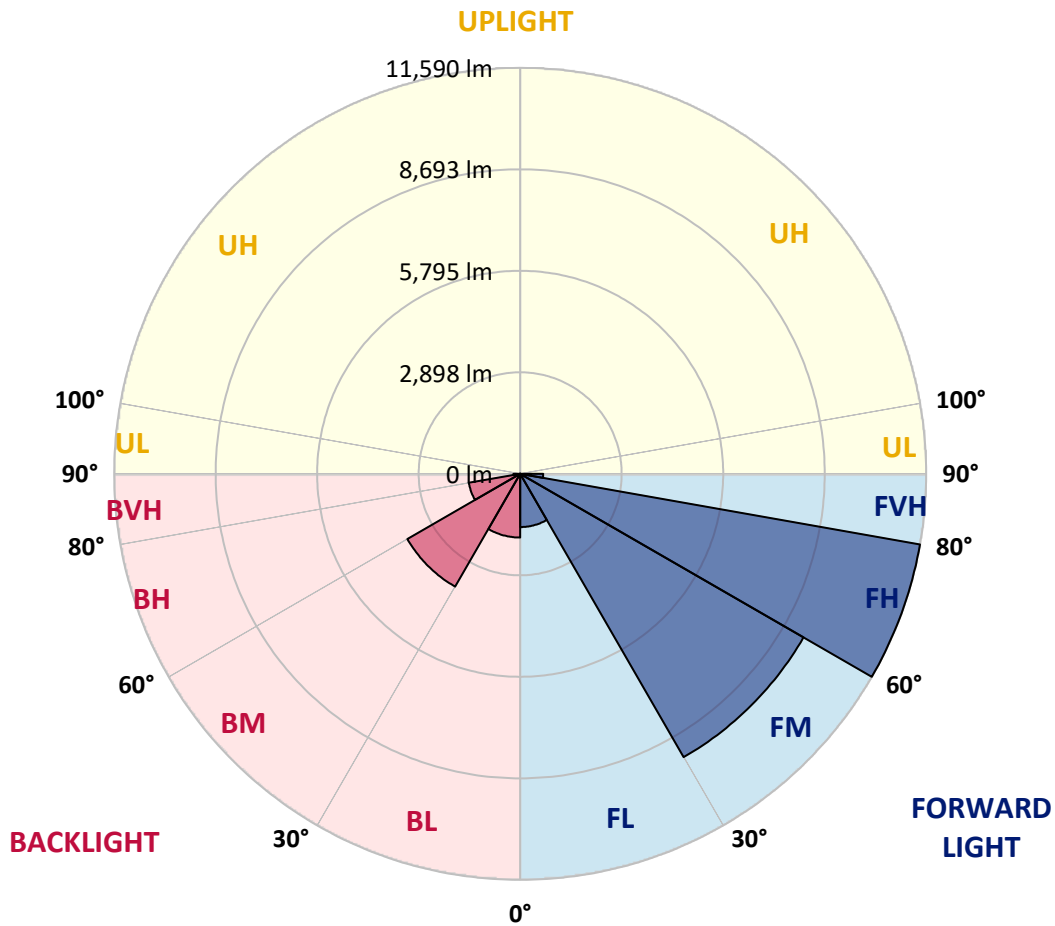
CATALOG NUMBER: GALN-SB6B-830-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1520.8	5.0			
FM (30°-60°)	9338.8	30.8			
FH (60°-80°)	11590.1	38.2			G4/12000
FVH (80°-90°)	659.5	2.2			G4/750
BL (0°-30°)	1818.7	6.0	B3/2500		
BM (30°-60°)	3718.5	12.3	B3/5000		
BH (60°-80°)	1487.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	191.7	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 IV Short



REPORT NUMBER: P942369
 CATALOG NUMBER: GALN-SB6B-830-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1
2.5°	3726.4	3749.3	3759.2	3754.2	3778.8	3775.6	3810.0	3852.6	3911.6	3969.0
5°	3439.5	3464.1	3485.4	3505.1	3552.6	3567.4	3621.5	3703.4	3811.6	3921.5
7.5°	3172.3	3193.6	3226.4	3262.4	3342.8	3357.5	3447.7	3575.6	3726.4	3887.0
10°	2954.2	2975.5	3010.0	3050.9	3150.9	3169.0	3283.7	3454.2	3651.0	3854.3
12.5°	2860.8	2867.3	2887.0	2928.0	3014.9	3026.4	3152.6	3347.7	3577.2	3829.7
15°	2855.9	2869.0	2870.6	2891.9	2964.1	2969.0	3085.4	3278.8	3531.3	3824.7
17.5°	2905.0	2914.9	2900.1	2913.2	2973.9	2982.1	3073.9	3246.0	3516.5	3846.1
20°	3036.2	3044.4	3000.1	2982.1	3026.4	3032.9	3123.1	3267.3	3531.3	3890.3
22.5°	3314.9	3319.8	3211.6	3137.8	3141.1	3144.4	3223.1	3354.2	3588.7	3970.7
25°	3749.3	3746.1	3573.9	3431.3	3349.3	3331.3	3383.7	3495.2	3685.4	4077.2
27.5°	4257.5	4233.0	4060.8	3847.7	3669.0	3642.8	3631.3	3678.8	3823.1	4218.2
30°	4831.3	4808.4	4623.1	4344.4	4096.9	4054.3	3946.1	3921.5	4028.0	4410.0
32.5°	5460.9	5446.1	5224.8	4887.1	4555.9	4506.7	4324.8	4259.2	4342.8	4700.2
35°	5988.8	5975.6	5792.0	5444.5	5039.5	4978.9	4793.6	4719.9	4762.5	5072.3
37.5°	6465.8	6459.3	6301.9	6028.1	5610.1	5536.3	5328.1	5303.5	5295.3	5562.5
40°	6908.5	6892.1	6728.1	6583.9	6274.0	6206.8	6023.2	6001.9	5939.6	6165.8
42.5°	7398.7	7356.0	7118.3	7051.1	6967.5	6911.8	6801.9	6805.2	6667.5	6846.2
45°	7798.7	7774.1	7529.8	7490.5	7580.6	7557.7	7652.8	7677.4	7410.1	7559.3
47.5°	8228.2	8205.2	7998.7	7970.8	8215.1	8221.6	8557.7	8565.9	8134.8	8300.3
50°	8757.7	8724.9	8520.0	8554.4	8828.2	8852.8	9467.6	9411.9	8802.0	9052.8
52.5°	9106.9	9126.6	9082.3	9138.1	9511.9	9534.8	10362.7	10220.1	9462.7	9795.5
55°	9364.3	9403.7	9541.4	9669.2	10233.2	10256.1	11207.0	10989.0	10010.2	10484.0
57.5°	9695.5	9639.7	9897.1	10146.3	10918.5	10979.1	12028.3	11730.0	10495.5	11077.5
60°	10170.9	10131.6	10331.6	10700.4	11685.7	11782.4	12897.2	12397.2	10851.3	11548.0
62.5°	11134.9	11036.5	11067.7	11393.9	12653.0	12780.8	13877.6	12979.2	11028.3	11731.6
65°	12575.9	12407.1	12249.7	12475.9	14015.3	14141.5	14984.2	13436.6	10962.7	11375.9
67.5°	14390.7	14223.5	14030.1	14243.2	16021.9	16122.0	16349.8	13694.0	10446.3	10005.3
70°	15887.5	15825.2	16056.4	16933.5	19227.0	19230.3	18100.7	13480.9	9031.5	7093.7
72.5°	15689.1	15651.4	16869.5	19581.1	23266.5	23179.6	19758.2	11867.7	6083.8	3200.1
75°	12871.0	13115.3	15002.2	19533.6	24717.4	24705.9	18743.4	7544.6	2516.5	1326.3
77.5°	6901.9	7288.8	9739.7	14421.9	19295.9	19586.0	13177.6	2639.4	1080.4	849.2
80°	2250.9	2588.6	3882.1	7342.9	12538.2	12484.1	5647.8	1036.1	739.4	601.7
82.5°	955.8	995.1	1734.5	3467.4	6434.7	6334.7	1798.4	595.1	519.7	411.5
85°	373.8	418.0	765.6	1603.3	2787.0	2726.3	649.2	295.1	332.8	268.9
87.5°	123.0	149.2	273.8	549.2	867.2	836.1	159.0	101.6	144.3	123.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942369
 CATALOG NUMBER: GALN-SB6B-830-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4041.1	0°	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1	4041.1
4052.6	2.5°	4075.6	4101.8	4133.0	4178.9	4218.2	4251.0	4285.4	4306.7	4314.9	4339.5
4059.2	5°	4105.1	4162.5	4239.5	4314.9	4388.7	4433.0	4472.3	4492.0	4510.0	4523.1
4077.2	7.5°	4154.3	4228.0	4349.4	4447.7	4510.0	4546.1	4572.3	4565.8	4572.3	4575.6
4096.9	10°	4196.9	4300.2	4444.4	4537.9	4585.4	4587.1	4580.5	4557.6	4546.1	4547.7
4126.4	12.5°	4247.7	4362.5	4518.2	4596.9	4610.0	4574.0	4546.1	4506.7	4492.0	4485.4
4170.7	15°	4316.6	4447.7	4598.5	4628.1	4595.3	4549.4	4501.8	4437.9	4405.1	4378.9
4246.1	17.5°	4400.2	4544.4	4660.8	4639.5	4569.0	4493.6	4416.6	4319.8	4252.6	4224.8
4349.4	20°	4516.6	4646.1	4708.4	4614.9	4508.4	4393.6	4262.5	4144.4	4082.1	4054.3
4480.5	22.5°	4657.6	4782.2	4754.3	4572.3	4421.5	4237.9	4073.9	3987.0	3955.9	3936.2
4649.4	25°	4826.4	4933.0	4787.1	4510.0	4278.9	4031.3	3905.1	3877.2	3862.4	3847.7
4855.9	27.5°	5046.1	5103.5	4811.7	4418.2	4055.9	3811.6	3765.7	3770.6	3765.7	3741.1
5142.8	30°	5336.3	5324.8	4834.6	4269.0	3800.2	3613.3	3616.5	3637.8	3641.1	3624.7
5542.8	32.5°	5718.3	5601.9	4846.1	4075.6	3555.9	3439.5	3442.8	3465.7	3482.1	3454.2
6065.8	35°	6180.6	5924.8	4828.1	3832.9	3367.3	3273.9	3249.3	3255.9	3260.8	3234.6
6700.3	37.5°	6719.9	6287.1	4747.7	3564.1	3211.6	3111.6	3059.1	3014.9	2988.6	2964.1
7418.3	40°	7311.8	6682.2	4600.2	3301.8	3037.8	2939.5	2860.8	2777.2	2688.6	2655.8
8179.0	42.5°	7931.5	7088.8	4421.5	3050.9	2837.8	2757.5	2673.9	2552.6	2419.8	2352.6
8969.2	45°	8574.1	7505.2	4246.1	2803.4	2632.9	2598.5	2501.7	2355.8	2211.6	2126.3
9761.0	47.5°	9203.6	7898.7	3988.7	2554.2	2441.1	2478.8	2403.4	2268.9	2108.3	1973.8
10546.3	50°	9805.3	8267.5	3567.4	2301.7	2285.3	2442.7	2370.6	2177.1	1993.5	1821.4
11316.8	52.5°	10402.1	8565.9	3028.0	2072.2	2201.7	2432.9	2328.0	2114.8	1890.2	1709.9
12041.5	55°	10908.6	8720.0	2508.3	1875.5	2080.4	2349.3	2277.1	2041.1	1744.3	1552.5
12538.2	57.5°	11197.2	8595.4	2075.5	1682.0	1913.2	2211.6	2190.3	1883.7	1570.6	1423.0
12634.9	60°	11072.6	8090.5	1721.4	1513.2	1754.2	2062.4	2039.4	1727.9	1437.8	1298.4
12116.9	62.5°	10385.7	7128.2	1441.0	1365.6	1609.9	1909.9	1888.6	1608.3	1336.1	1201.7
10741.4	65°	9002.0	5798.6	1223.0	1242.7	1464.0	1726.3	1757.4	1508.3	1255.8	1124.6
8310.2	67.5°	6865.8	4200.2	1052.5	1136.1	1321.4	1546.0	1636.1	1436.1	1188.6	1064.0
4808.4	70°	3913.3	2385.3	908.2	1032.8	1195.1	1378.7	1542.7	1378.7	1116.4	1013.2
1801.7	72.5°	1483.7	1095.1	785.3	929.5	1073.8	1237.8	1439.4	1288.6	1032.8	955.8
931.2	75°	791.8	667.2	660.7	808.2	934.5	1100.0	1309.9	1200.0	970.5	1009.9
644.3	77.5°	539.4	472.1	552.5	691.8	782.0	947.6	1172.2	1065.6	841.0	837.7
445.9	80°	373.8	334.4	449.2	557.4	604.9	796.8	1023.0	914.8	685.3	639.4
275.4	82.5°	224.6	218.0	336.1	416.4	427.9	614.8	847.6	767.2	560.7	488.5
163.9	85°	123.0	129.5	214.8	244.3	249.2	429.5	664.0	593.5	431.2	362.3
59.0	87.5°	34.4	44.3	78.7	96.7	119.7	223.0	395.1	352.5	216.4	150.8
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

180°
4041.1
4337.9
4526.4
4580.5
4551.0
4482.1
4387.1
4226.4
4051.0
3939.5
3847.7
3746.1
3632.9
3467.4
3252.6
2980.4
2670.6
2360.7
2119.8
1959.1
1806.6
1690.2
1536.1
1403.3
1278.7
1180.4
1103.3
1044.3
1000.0
942.7
1042.7
772.2
611.5
491.8
365.6
150.8
0.0

F REPORT)