

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: P942327

Luminaire Tested: **GALN-SB6B-740-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942327
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-SB6B-740-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36151 lumens
Efficiency: N/A
Efficacy: 164.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

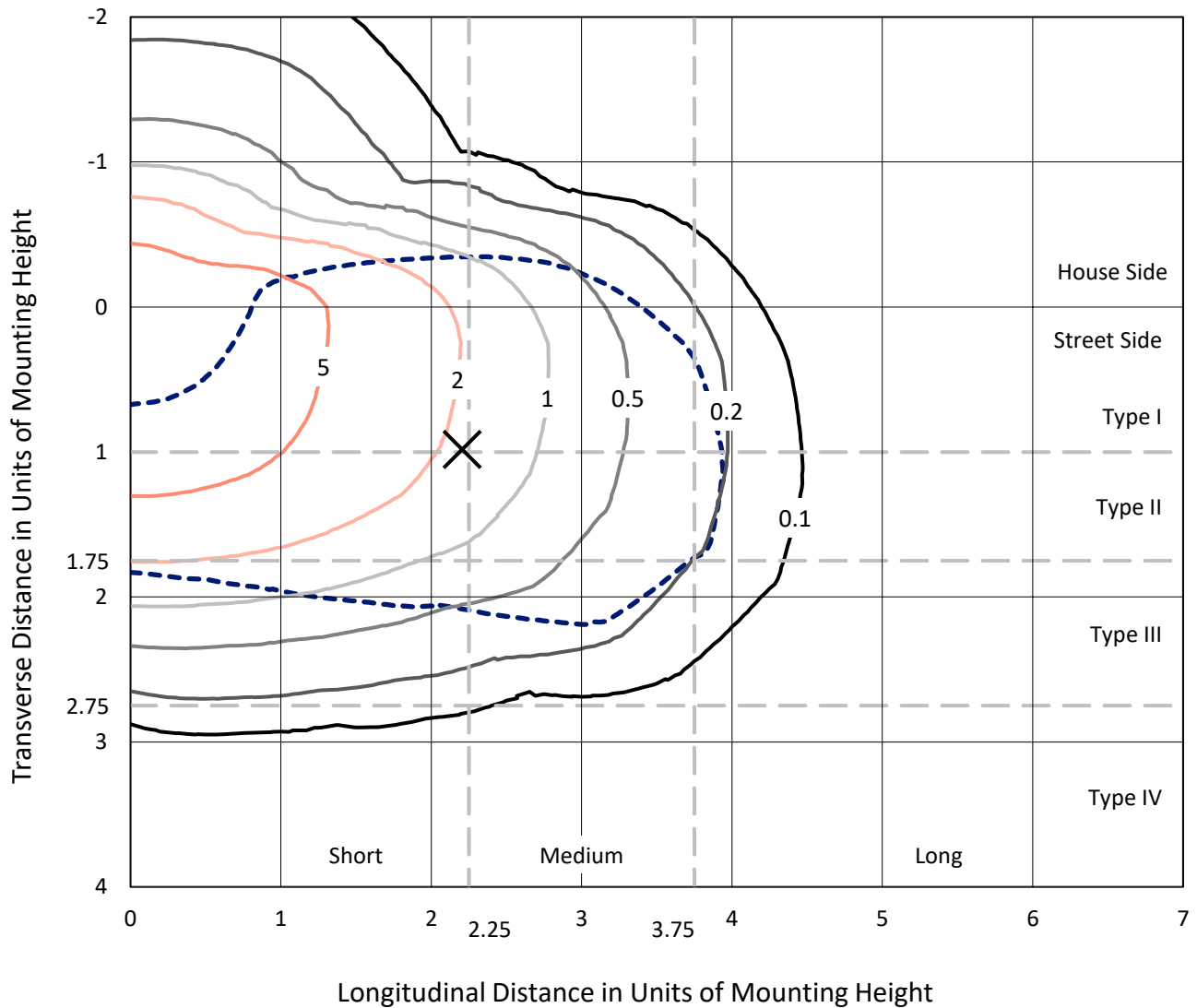
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942327
 CATALOG NUMBER: GALN-SB6B-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

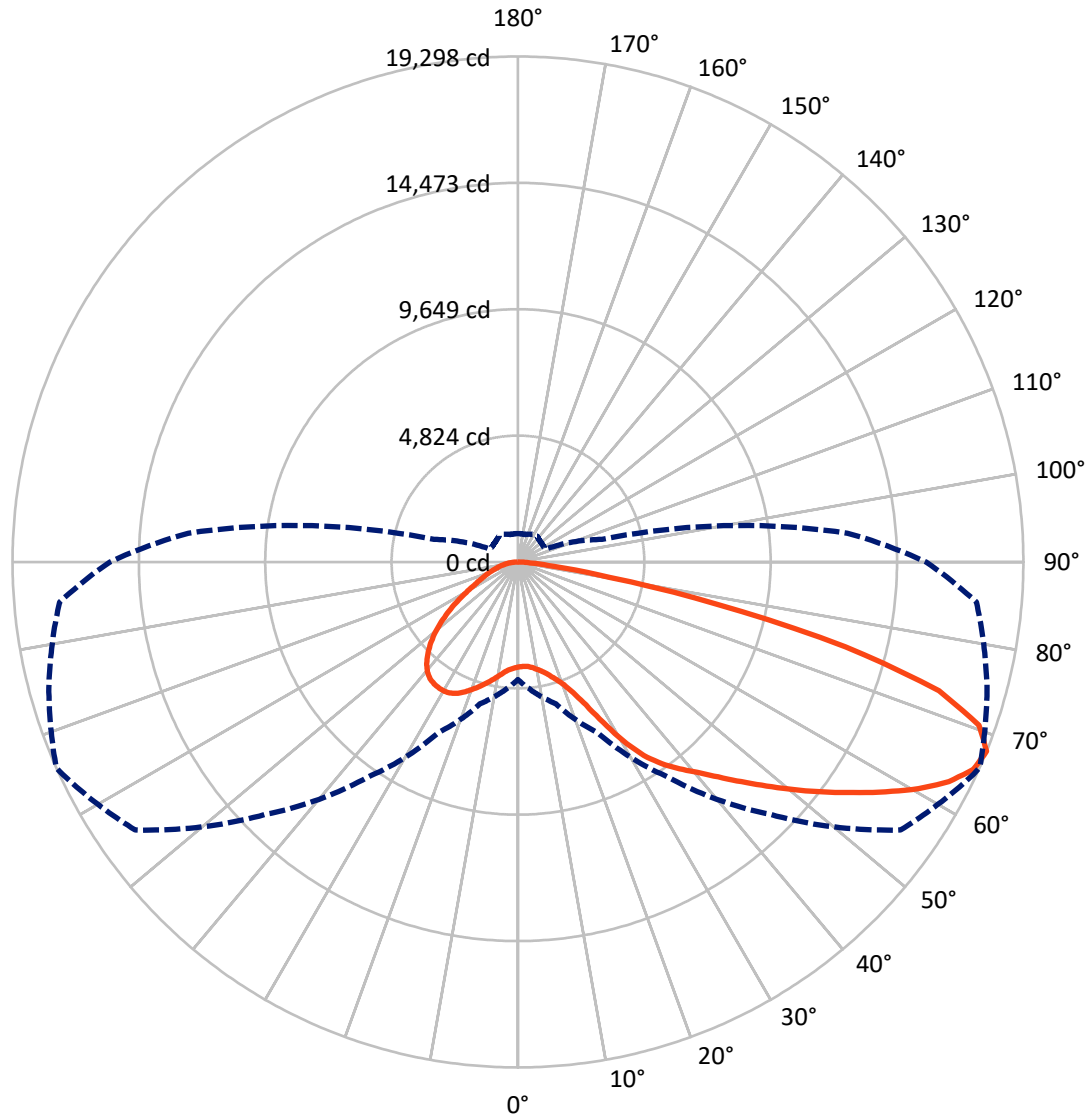
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Short - N/A

REPORT NUMBER: P942327
CATALOG NUMBER: GALN-SB6B-740-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P942327

CATALOG NUMBER: GALN-SB6B-740-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8988.8	0.0	8988.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	27162.2	0.0	27162.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	36151.0	0.0	36151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.5	1.1
10°-20°	1313.4	3.6
20°-30°	2531.5	7.0
30°-40°	4438.7	12.3
40°-50°	6598.9	18.3
50°-60°	8364.8	23.1
60°-70°	8184.7	22.6
70°-80°	3904.2	10.8
80°-90°	417.3	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°	36151.0	100.0
0°-180°	36151.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942327

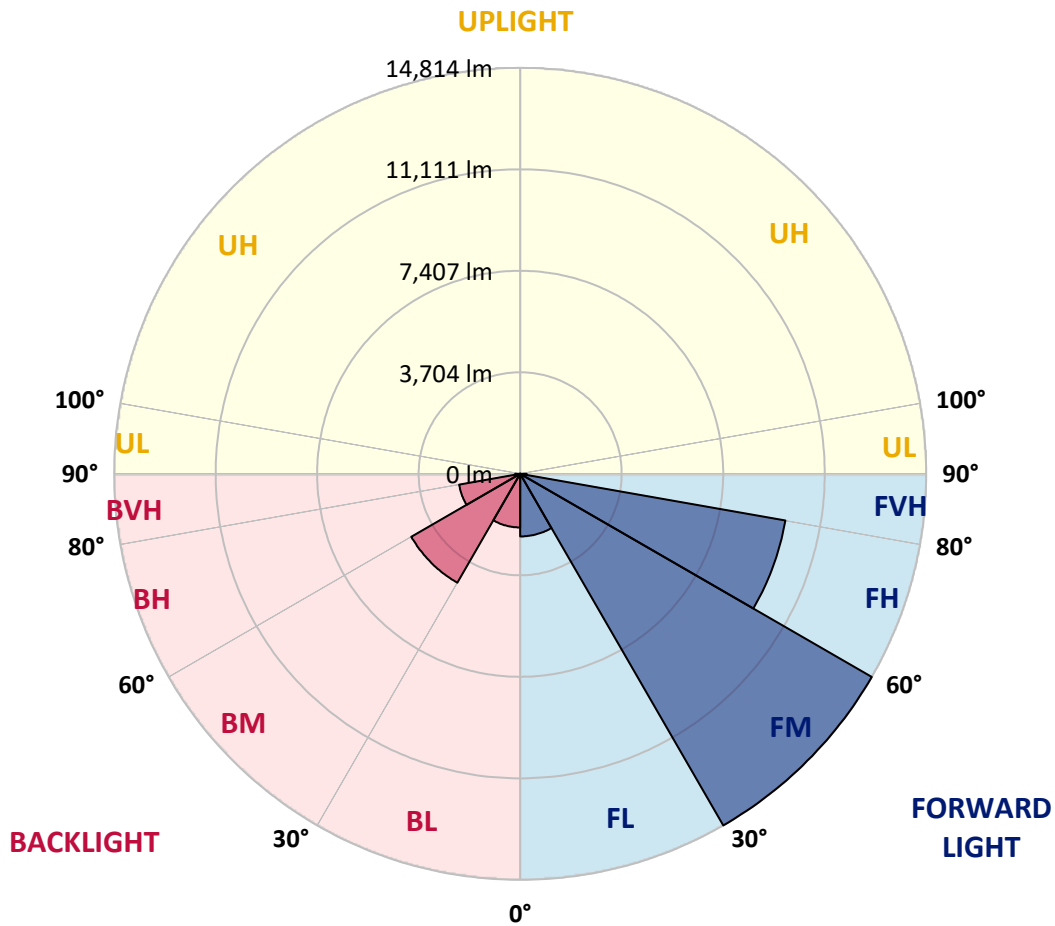
CATALOG NUMBER: GALN-SB6B-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2284.4	6.3			
FM (30°-60°)	14814.4	41.0			
FH (60°-80°)	9826.8	27.2			G4/12000
FVH (80°-90°)	236.6	0.7			G3/500
BL (0°-30°)	1958.1	5.4	B3/2500		
BM (30°-60°)	4588.0	12.7	B3/5000		
BH (60°-80°)	2262.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	180.7	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: P942327

CATALOG NUMBER: GALN-SB6B-740-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6
2.5°	3967.8	3990.6	3984.9	3975.4	3973.5	3977.3	3983.0	3988.7	3986.8	3996.3
5°	3956.4	3979.2	3977.3	3977.3	3984.9	4000.1	4009.6	4019.1	4009.6	4021.0
7.5°	3964.0	3981.1	3988.7	3996.3	4015.3	4043.8	4066.6	4087.5	4076.1	4089.4
10°	4060.9	4074.2	4081.8	4081.8	4095.1	4127.4	4150.2	4188.2	4178.7	4199.6
12.5°	4237.6	4250.8	4250.8	4243.2	4252.7	4273.6	4281.2	4323.0	4305.9	4340.1
15°	4454.1	4480.7	4459.8	4446.5	4450.3	4471.2	4469.3	4501.6	4484.5	4513.0
17.5°	4693.4	4727.6	4693.4	4691.5	4683.9	4706.7	4708.6	4737.1	4706.7	4727.6
20°	4976.4	5023.9	4995.4	5004.9	4987.8	4997.3	5006.8	5048.6	5001.1	5016.3
22.5°	5375.3	5432.3	5401.9	5438.0	5426.6	5419.0	5417.1	5491.2	5417.1	5422.8
25°	5956.5	6024.9	5971.7	6021.1	6021.1	6045.8	6074.3	6169.2	6045.8	6009.7
27.5°	6815.0	6883.4	6778.9	6809.3	6799.8	6860.6	6830.2	7065.8	6932.8	6873.9
30°	7848.3	7969.9	7772.3	7764.7	7755.2	7852.1	7895.8	8051.5	7916.7	7857.8
32.5°	8965.1	9092.4	8856.9	8788.5	8752.4	8811.3	8775.2	8900.6	8807.5	8716.3
35°	10146.6	10271.9	10047.8	9914.8	9770.5	9647.0	9517.9	9550.2	9462.8	9324.1
37.5°	11263.4	11493.2	11255.8	11113.4	10847.4	10606.2	10245.3	10095.3	10013.6	9886.4
40°	12401.2	12532.2	12351.8	12230.2	11941.5	11563.5	10986.1	10668.9	10558.7	10435.3
42.5°	13238.8	13364.1	13267.3	13183.7	12957.7	12518.9	11772.5	11375.5	11215.9	11077.3
45°	13903.6	13996.6	13935.9	13966.3	13869.4	13443.9	12587.3	12133.3	11968.1	11799.0
47.5°	14171.4	14270.2	14367.0	14547.5	14712.7	14399.3	13462.9	12953.9	12779.1	12606.3
50°	14141.0	14241.7	14522.8	14906.5	15419.3	15314.8	14386.0	13827.6	13666.1	13468.6
52.5°	13897.9	14011.8	14372.7	15010.9	15827.7	16000.5	15326.2	14729.8	14577.9	14342.3
55°	13259.7	13328.1	13869.4	14773.5	15924.5	16479.2	16247.4	15690.9	15539.0	15210.4
57.5°	12076.4	12175.1	12963.4	14133.4	15681.4	16804.0	17056.6	16701.4	16555.1	16082.2
60°	10532.1	10689.8	11592.0	13058.3	15062.2	16802.1	17791.6	17694.8	17573.2	16940.7
62.5°	8784.7	8967.0	9835.1	11538.8	13979.6	16325.3	18251.3	18526.7	18464.0	17732.8
65°	6746.7	6872.0	7736.2	9573.0	12294.8	15301.5	18304.5	19094.6	19106.0	18334.9
67.5°	4492.1	4853.0	5603.2	7183.5	10038.3	13628.2	17837.2	19187.7	19297.9	18541.9
70°	2191.9	2666.8	3401.8	4668.7	7183.5	11062.1	16615.9	18424.1	18669.2	17937.9
72.5°	909.8	1063.7	1464.4	2304.0	4123.6	7464.6	14161.9	16353.8	16807.7	15894.1
75°	613.5	664.8	837.6	1181.4	1878.5	3681.0	10213.0	12194.1	12925.4	12004.2
77.5°	472.9	505.2	609.7	826.2	1116.8	1392.3	5466.5	7348.8	7726.7	7153.1
80°	372.3	397.0	455.9	602.1	792.0	744.6	1863.3	3329.6	3548.1	2976.4
82.5°	322.9	332.4	326.7	408.4	526.1	435.0	611.6	1228.9	1356.2	983.9
85°	233.6	260.2	271.6	252.6	279.2	220.3	250.7	435.0	478.6	427.4
87.5°	95.0	140.6	172.8	163.3	102.6	62.7	77.9	127.3	146.3	159.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942327
 CATALOG NUMBER: GALN-SB6B-740-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4009.6	0°	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6	4009.6
4011.5	2.5°	4013.4	4026.7	4036.2	4047.6	4055.2	4066.6	4089.4	4102.7	4104.6	4114.1
4041.9	5°	4049.5	4068.5	4089.4	4119.8	4154.0	4182.5	4226.2	4256.5	4267.9	4277.4
4116.0	7.5°	4127.4	4154.0	4192.0	4245.1	4294.5	4332.5	4385.7	4421.8	4457.9	4471.2
4233.8	10°	4243.2	4281.2	4336.3	4408.5	4461.7	4511.1	4566.1	4596.5	4632.6	4647.8
4374.3	12.5°	4387.6	4427.5	4499.7	4600.3	4649.7	4683.9	4702.9	4695.3	4702.9	4716.2
4543.4	15°	4552.9	4596.5	4678.2	4786.5	4820.7	4790.3	4748.5	4710.5	4704.8	4708.6
4748.5	17.5°	4748.5	4780.8	4875.7	4966.9	4942.2	4816.9	4725.7	4664.9	4634.5	4625.0
5010.6	20°	5022.0	5022.0	5099.9	5156.9	4991.6	4778.9	4636.4	4537.7	4475.0	4448.4
5367.7	22.5°	5354.4	5324.0	5373.4	5333.5	4982.1	4672.5	4475.0	4304.0	4209.1	4171.1
5867.2	25°	5776.1	5740.0	5726.7	5479.8	4913.7	4503.5	4182.5	3975.4	3891.9	3871.0
6587.1	27.5°	6412.4	6321.2	6148.3	5559.5	4788.4	4237.6	3840.6	3648.7	3601.3	3603.2
7512.1	30°	7259.5	7077.1	6653.6	5572.8	4583.2	3861.5	3491.1	3354.3	3331.5	3341.0
8289.0	32.5°	8043.9	7871.1	7170.2	5512.0	4267.9	3493.0	3177.7	3086.5	3052.3	3063.7
8881.6	35°	8659.3	8611.9	7648.9	5426.6	3880.5	3147.3	2896.6	2818.7	2752.2	2737.0
9440.0	37.5°	9240.6	9221.6	8007.9	5306.9	3496.8	2902.3	2670.5	2568.0	2471.1	2417.9
10057.3	40°	9878.8	9859.8	8243.4	5122.7	3156.8	2689.5	2467.3	2332.5	2212.8	2115.9
10756.3	42.5°	10596.7	10484.7	8355.4	4858.7	2868.1	2509.1	2302.1	2119.7	1962.1	1872.8
11546.4	45°	11381.2	11128.6	8353.5	4522.5	2625.0	2343.9	2125.4	1867.1	1720.9	1637.3
12357.5	47.5°	12213.1	11744.0	8251.0	4150.2	2389.4	2161.5	1851.9	1654.4	1557.5	1506.2
13238.8	50°	13071.6	12319.5	8076.2	3722.8	2148.2	1954.5	1681.0	1546.1	1472.0	1424.5
14112.5	52.5°	13878.9	12841.8	7865.4	3238.5	1903.2	1753.1	1605.0	1500.5	1422.6	1369.5
14959.6	55°	14629.1	13292.0	7567.2	2742.7	1703.8	1618.3	1568.9	1481.5	1392.3	1329.6
15820.1	57.5°	15295.8	13584.5	7052.5	2277.4	1561.3	1525.2	1530.9	1449.2	1346.7	1293.5
16667.2	60°	15850.5	13799.1	6290.8	1846.2	1445.4	1434.0	1472.0	1388.5	1268.8	1208.0
17383.3	62.5°	16182.8	13795.3	5356.3	1511.9	1346.7	1350.5	1394.2	1312.5	1190.9	1133.9
17757.4	65°	16154.4	13457.2	4330.6	1293.5	1251.7	1255.5	1312.5	1228.9	1126.3	1092.2
17569.4	67.5°	15582.6	12632.9	3322.0	1151.0	1147.2	1164.3	1230.8	1171.9	1086.5	1082.7
16448.8	70°	14034.6	10921.5	2393.2	1037.1	1039.0	1063.7	1151.0	1135.8	1065.6	1073.2
13829.5	72.5°	11253.9	8326.9	1606.9	917.4	919.3	959.2	1075.1	1107.3	1044.7	1145.3
9812.3	75°	7495.0	5192.9	1033.3	790.1	792.0	843.3	1008.6	1052.3	987.7	1141.5
5105.6	77.5°	3601.3	2334.4	748.4	664.8	664.8	712.3	871.8	942.1	841.4	887.0
1641.1	80°	1244.1	877.5	588.8	535.6	524.2	556.5	735.1	816.7	725.6	668.6
535.6	82.5°	490.0	455.9	472.9	416.0	378.0	398.9	571.7	674.3	533.7	482.4
302.0	85°	281.1	296.3	334.3	275.4	218.4	245.0	419.8	484.3	402.7	355.2
98.8	87.5°	76.0	104.5	153.9	142.5	98.8	104.5	199.4	267.8	231.7	178.5
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°
4009.6
4112.2
4275.5
4473.1
4655.4
4720.0
4721.9
4638.3
4442.7
4165.4
3874.8
3608.9
3373.3
3078.9
2748.4
2419.8
2125.4
1878.5
1633.5
1494.8
1407.5
1346.7
1304.9
1259.3
1181.4
1116.8
1090.3
1088.4
1071.3
1160.5
1151.0
812.9
626.8
480.5
362.8
184.2
0.0

F REPORT)