

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: STREETWORKS

Report Number: P850038

Luminaire Tested: **GLAN-SB7B-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33180 lumens
Efficiency: N/A
Efficacy: 129.3 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

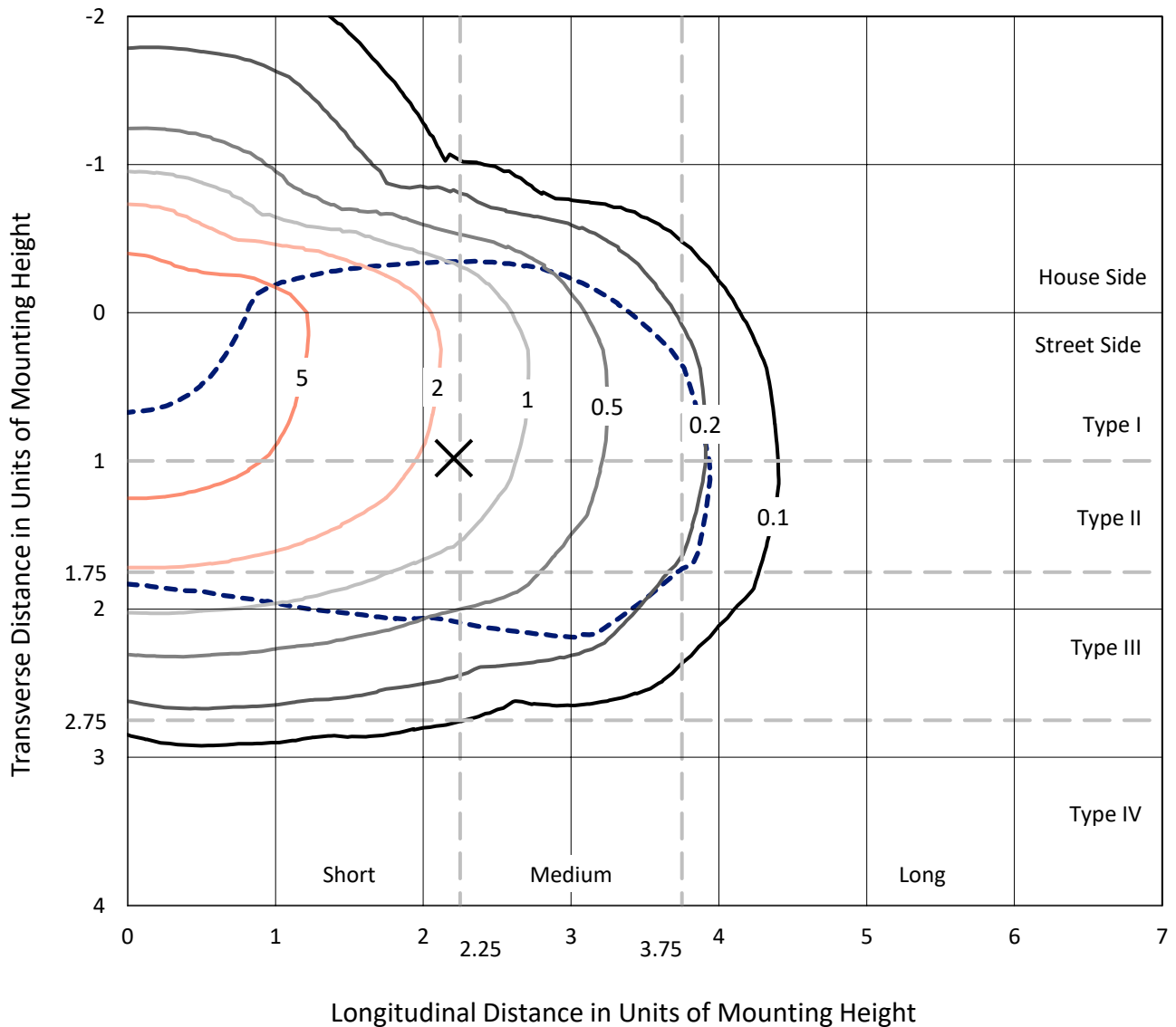
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850038
 CATALOG NUMBER: GLAN-SB7B-835-U-T3

Iso-Footcandle Lines of Horizontal Illumination

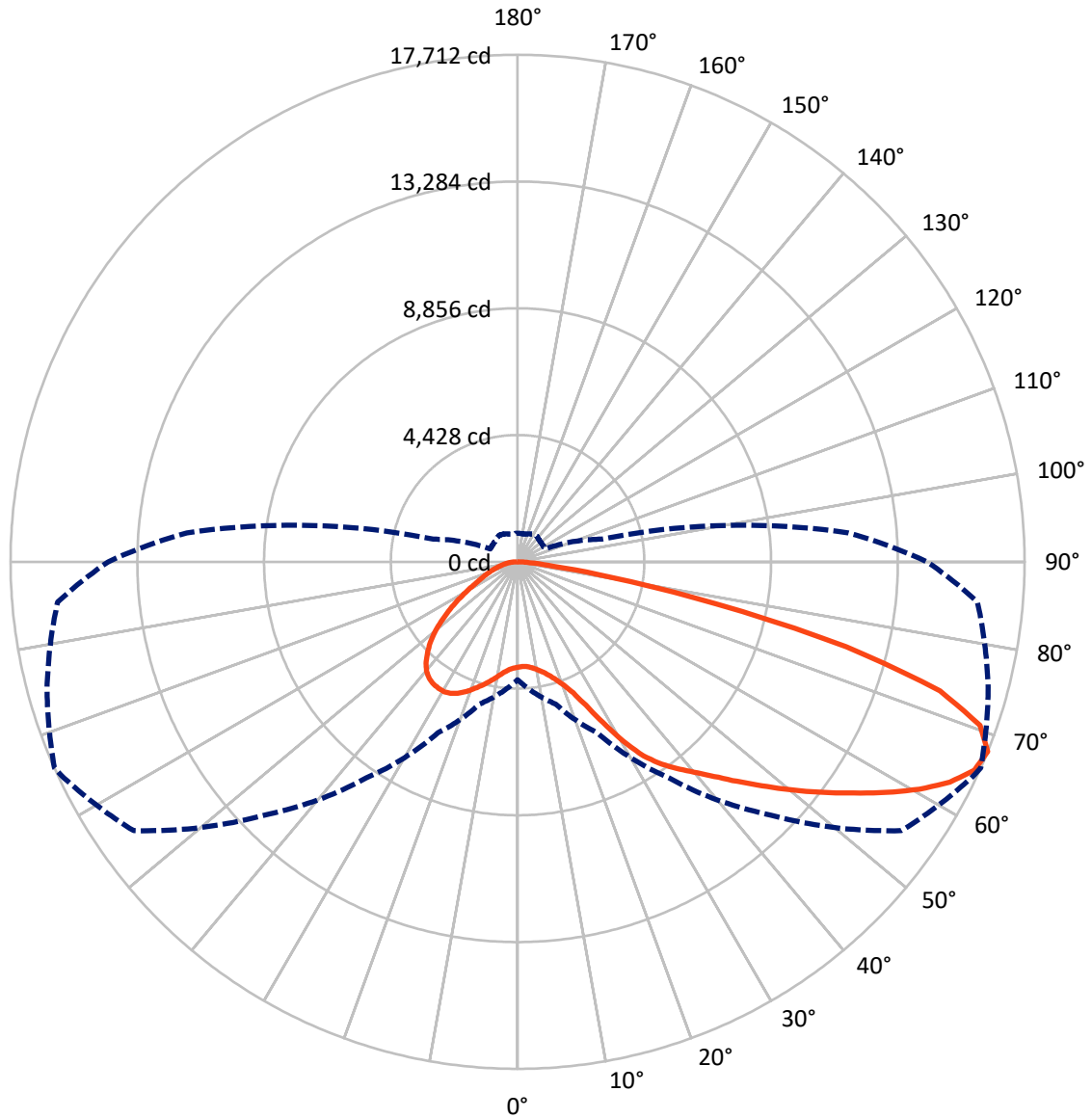
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type III - Short - N/A

REPORT NUMBER: P850038
CATALOG NUMBER: GLAN-SB7B-835-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850038
 CATALOG NUMBER: GLAN-SB7B-835-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8250.1	0.0	8250.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24929.9	0.0	24929.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	33180.0	0.0	33180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.9	1.1
10°-20°	1205.5	3.6
20°-30°	2323.5	7.0
30°-40°	4073.9	12.3
40°-50°	6056.6	18.3
50°-60°	7677.3	23.1
60°-70°	7512.1	22.6
70°-80°	3583.3	10.8
80°-90°	383.0	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°	33180.0	100.0
0°-180°	33180.0	100.0

Coefficient of Utilization



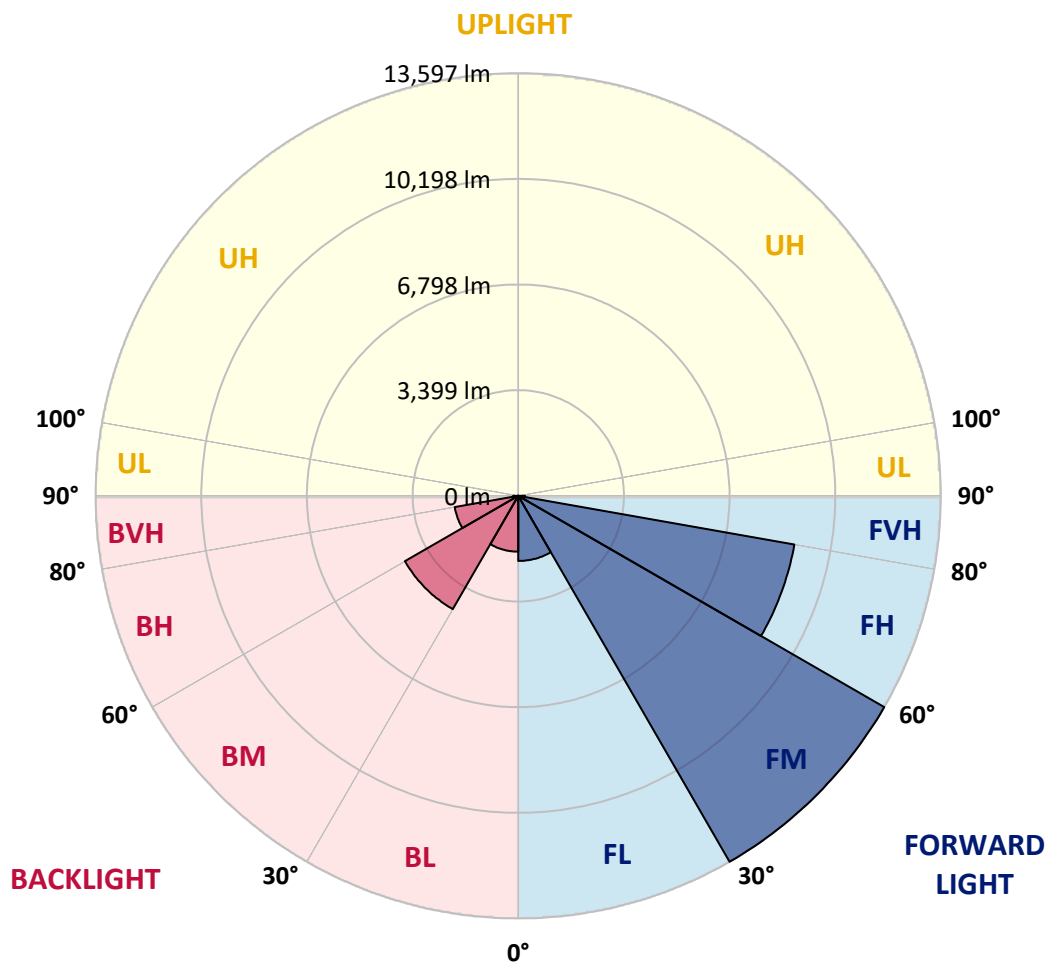
REPORT NUMBER: P850038
 CATALOG NUMBER: GLAN-SB7B-835-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.6	6.3			
FM (30°-60°)	13596.9	41.0			
FH (60°-80°)	9019.2	27.2			G4/12000
FVH (80°-90°)	217.1	0.7			G2/225
BL (0°-30°)	1797.2	5.4	B3/2500		
BM (30°-60°)	4211.0	12.7	B3/5000		
BH (60°-80°)	2076.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	165.8	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: P850038
 CATALOG NUMBER: GLAN-SB7B-835-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1
2.5°	3641.7	3662.7	3657.4	3648.7	3647.0	3650.5	3655.7	3660.9	3659.2	3667.9
5°	3631.3	3652.2	3650.5	3650.5	3657.4	3671.4	3680.1	3688.8	3680.1	3690.6
7.5°	3638.3	3654.0	3660.9	3667.9	3685.3	3711.5	3732.4	3751.6	3741.1	3753.3
10°	3727.2	3739.4	3746.3	3746.3	3758.5	3788.2	3809.1	3844.0	3835.3	3854.4
12.5°	3889.3	3901.5	3901.5	3894.5	3903.2	3922.4	3929.4	3967.7	3952.1	3983.4
15°	4088.0	4112.4	4093.3	4081.1	4084.5	4103.7	4102.0	4131.6	4115.9	4142.1
17.5°	4307.7	4339.1	4307.7	4305.9	4299.0	4319.9	4321.6	4347.8	4319.9	4339.1
20°	4567.4	4611.0	4584.9	4593.6	4577.9	4586.6	4595.3	4633.7	4590.1	4604.0
22.5°	4933.5	4985.8	4957.9	4991.1	4980.6	4973.6	4971.9	5039.9	4971.9	4977.1
25°	5467.0	5529.7	5480.9	5526.3	5526.3	5548.9	5575.1	5662.2	5548.9	5515.8
27.5°	6255.0	6317.7	6221.8	6249.7	6241.0	6296.8	6268.9	6485.1	6363.0	6309.0
30°	7203.3	7314.9	7133.6	7126.6	7117.9	7206.8	7246.9	7389.8	7266.1	7212.0
32.5°	8228.4	8345.2	8129.0	8066.2	8033.1	8087.2	8054.0	8169.1	8083.7	8000.0
35°	9312.7	9427.8	9222.0	9100.0	8967.5	8854.2	8735.7	8765.3	8685.1	8557.8
37.5°	10337.8	10548.7	10330.8	10200.0	9956.0	9734.6	9403.3	9265.6	9190.7	9073.9
40°	11382.0	11502.3	11336.7	11225.1	10960.1	10613.2	10083.2	9792.1	9691.0	9577.7
42.5°	12150.8	12265.8	12176.9	12100.2	11892.8	11490.1	10805.0	10440.6	10294.2	10166.9
45°	12760.9	12846.4	12790.6	12818.5	12729.6	12339.1	11552.8	11136.2	10984.5	10829.4
47.5°	13006.7	13097.4	13186.3	13351.9	13503.6	13215.9	12356.5	11889.3	11728.9	11570.3
50°	12978.8	13071.2	13329.3	13681.4	14152.1	14056.2	13203.7	12691.2	12543.0	12361.7
52.5°	12755.7	12860.3	13191.5	13777.3	14526.9	14685.5	14066.7	13519.3	13379.8	13163.6
55°	12170.0	12232.7	12729.6	13559.4	14615.8	15124.8	14912.2	14401.4	14261.9	13960.3
57.5°	11083.9	11174.5	11898.0	12971.9	14392.7	15423.0	15654.8	15328.8	15194.6	14760.5
60°	9666.6	9811.3	10639.3	11985.2	13824.3	15421.2	16329.5	16240.6	16129.0	15548.5
62.5°	8062.7	8230.1	9026.8	10590.5	12830.7	14983.6	16751.3	17004.1	16946.6	16275.4
65°	6192.2	6307.2	7100.4	8786.2	11284.4	14044.0	16800.2	17525.4	17535.8	16828.0
67.5°	4122.9	4454.1	5142.7	6593.2	9213.3	12508.2	16371.3	17610.8	17711.9	17018.1
70°	2011.8	2447.6	3122.2	4285.0	6593.2	10153.0	15250.4	16910.0	17134.9	16463.7
72.5°	835.0	976.2	1344.1	2114.6	3784.7	6851.2	12998.0	15009.8	15426.4	14587.9
75°	563.1	610.2	768.8	1084.3	1724.1	3378.5	9373.7	11192.0	11863.1	11017.6
77.5°	434.1	463.7	559.6	758.3	1025.1	1277.8	5017.2	6744.8	7091.7	6565.3
80°	341.7	364.3	418.4	552.6	727.0	683.4	1710.2	3056.0	3256.5	2731.7
82.5°	296.4	305.1	299.8	374.8	482.9	399.2	561.3	1127.9	1244.7	903.0
85°	214.4	238.8	249.3	231.9	256.3	202.2	230.1	399.2	439.3	392.2
87.5°	87.2	129.0	158.6	149.9	94.1	57.5	71.5	116.8	134.2	146.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850038
 CATALOG NUMBER: GLAN-SB7B-835-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3680.1	0°	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1	3680.1
3681.8	2.5°	3683.6	3695.8	3704.5	3715.0	3721.9	3732.4	3753.3	3765.5	3767.3	3776.0
3709.7	5°	3716.7	3734.1	3753.3	3781.2	3812.6	3838.7	3878.8	3906.7	3917.2	3925.9
3777.7	7.5°	3788.2	3812.6	3847.5	3896.3	3941.6	3976.5	4025.3	4058.4	4091.5	4103.7
3885.8	10°	3894.5	3929.4	3979.9	4046.2	4095.0	4140.3	4190.9	4218.8	4251.9	4265.8
4014.8	12.5°	4027.0	4063.6	4129.9	4222.3	4267.6	4299.0	4316.4	4309.4	4316.4	4328.6
4170.0	15°	4178.7	4218.8	4293.7	4393.1	4424.5	4396.6	4358.2	4323.4	4318.1	4321.6
4358.2	17.5°	4358.2	4387.9	4475.0	4558.7	4536.1	4421.0	4337.3	4281.5	4253.6	4244.9
4598.8	20°	4609.3	4609.3	4680.8	4733.1	4581.4	4386.1	4255.4	4164.7	4107.2	4082.8
4926.6	22.5°	4914.4	4886.5	4931.8	4895.2	4572.7	4288.5	4107.2	3950.3	3863.1	3828.3
5385.0	25°	5301.4	5268.2	5256.0	5029.4	4509.9	4133.4	3838.7	3648.7	3572.0	3552.8
6045.8	27.5°	5885.4	5801.7	5643.1	5102.6	4394.9	3889.3	3524.9	3348.9	3305.3	3307.0
6894.7	30°	6662.9	6495.5	6106.8	5114.8	4206.6	3544.1	3204.2	3078.7	3057.7	3066.5
7607.7	32.5°	7382.9	7224.2	6580.9	5059.0	3917.2	3205.9	2916.5	2832.9	2801.5	2811.9
8151.7	35°	7947.7	7904.1	7020.3	4980.6	3561.6	2888.6	2658.5	2587.1	2526.0	2512.1
8664.2	37.5°	8481.1	8463.7	7349.7	4870.8	3209.4	2663.8	2451.1	2356.9	2268.0	2219.2
9230.8	40°	9066.9	9049.5	7565.9	4701.7	2897.4	2468.5	2264.5	2140.8	2030.9	1942.0
9872.3	42.5°	9725.9	9623.0	7668.8	4459.4	2632.4	2302.9	2112.9	1945.5	1800.8	1718.9
10597.5	45°	10445.8	10214.0	7667.0	4150.8	2409.2	2151.2	1950.7	1713.7	1579.4	1502.7
11341.9	47.5°	11209.4	10778.8	7572.9	3809.1	2193.1	1983.9	1699.7	1518.4	1429.5	1382.4
12150.8	50°	11997.4	11307.0	7412.5	3416.9	1971.7	1793.9	1542.8	1419.0	1351.1	1307.5
12952.7	52.5°	12738.3	11786.4	7219.0	2972.3	1746.8	1609.1	1473.1	1377.2	1305.7	1256.9
13730.2	55°	13426.9	12199.6	6945.3	2517.3	1563.7	1485.3	1440.0	1359.8	1277.8	1220.3
14519.9	57.5°	14038.8	12468.1	6472.9	2090.2	1433.0	1399.9	1405.1	1330.1	1236.0	1187.2
15297.4	60°	14547.8	12665.1	5773.8	1694.5	1326.6	1316.2	1351.1	1274.4	1164.5	1108.7
15954.7	62.5°	14852.9	12661.6	4916.1	1387.7	1236.0	1239.5	1279.6	1204.6	1093.0	1040.7
16298.1	65°	14826.7	12351.3	3974.7	1187.2	1148.8	1152.3	1204.6	1127.9	1033.8	1002.4
16125.5	67.5°	14302.0	11594.7	3049.0	1056.4	1053.0	1068.6	1129.7	1075.6	997.2	993.7
15097.0	70°	12881.2	10024.0	2196.6	951.8	953.6	976.2	1056.4	1042.5	978.0	985.0
12692.9	72.5°	10329.0	7642.6	1474.8	842.0	843.8	880.4	986.7	1016.3	958.8	1051.2
9005.9	75°	6879.1	4766.2	948.4	725.2	727.0	774.0	925.7	965.8	906.5	1047.7
4686.0	77.5°	3305.3	2142.5	686.9	610.2	610.2	653.7	800.2	864.7	772.3	814.1
1506.2	80°	1141.9	805.4	540.4	491.6	481.2	510.8	674.7	749.6	665.9	613.6
491.6	82.5°	449.8	418.4	434.1	381.8	346.9	366.1	524.7	618.9	489.9	442.8
277.2	85°	258.0	272.0	306.8	252.8	200.5	224.9	385.3	444.5	369.6	326.0
90.7	87.5°	69.7	95.9	141.2	130.7	90.7	95.9	183.0	245.8	212.7	163.9
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°
3680.1
3774.2
3924.2
4105.5
4272.8
4332.1
4333.8
4257.1
4077.6
3823.1
3556.3
3312.3
3096.1
2825.9
2522.6
2221.0
1950.7
1724.1
1499.2
1372.0
1291.8
1236.0
1197.6
1155.8
1084.3
1025.1
1000.7
998.9
983.2
1065.2
1056.4
746.1
575.3
441.1
333.0
169.1
0.0

F REPORT)