

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: P853061

Luminaire Tested: **GLAN-SB8B-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 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: 30362 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

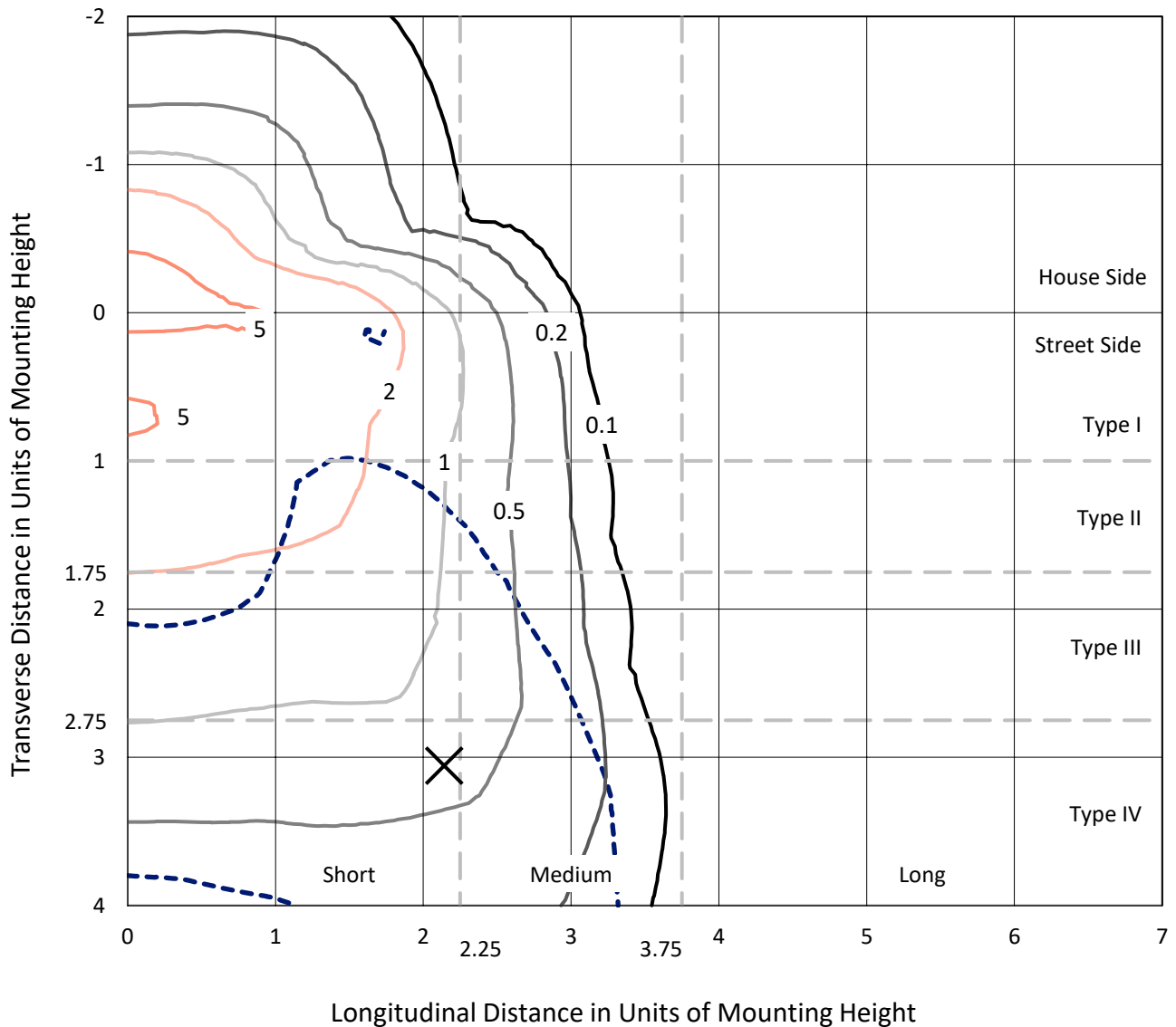
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P853061
 CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

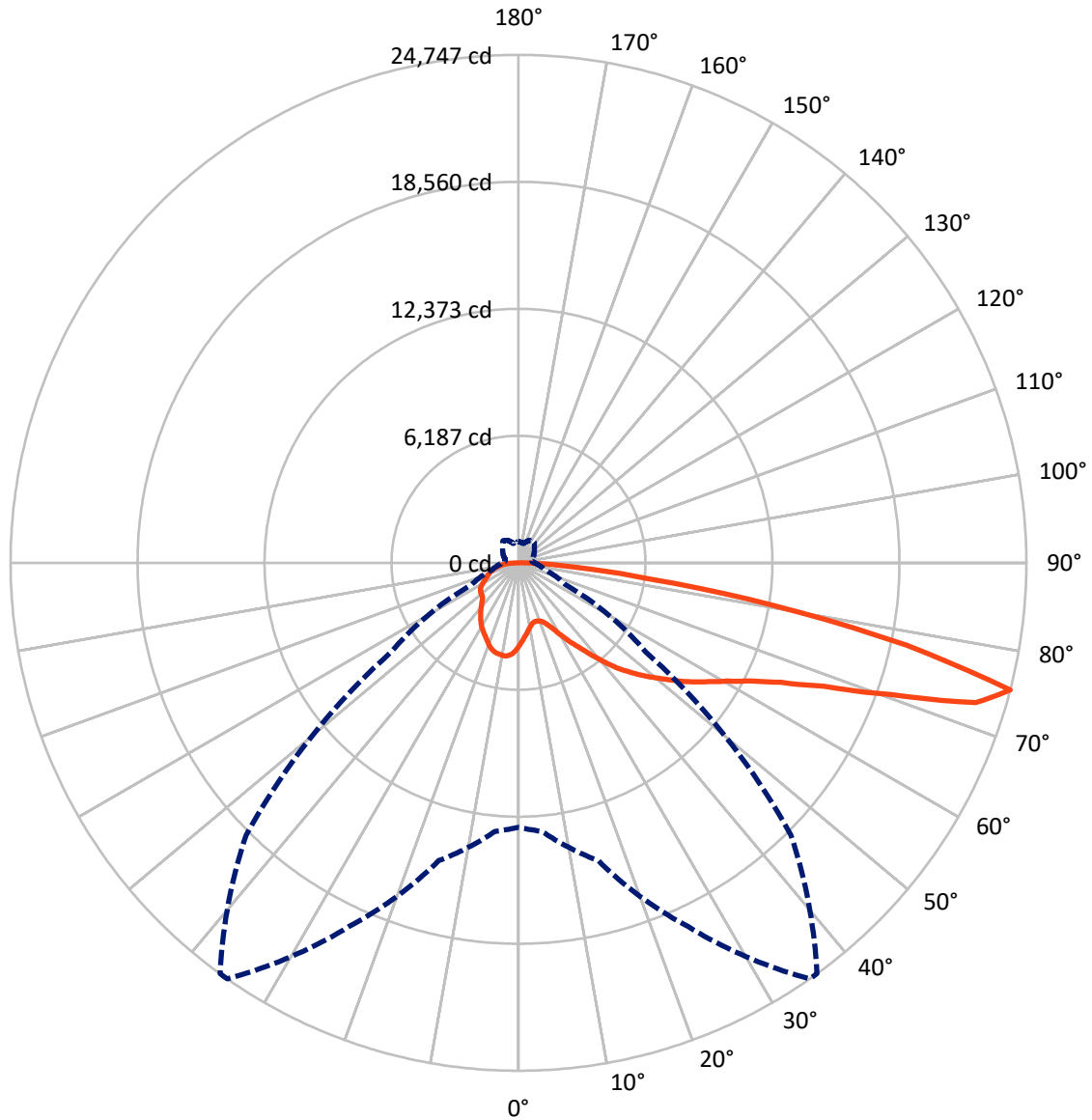
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P853061
CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

Luminous Intensity Polar Plot



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

REPORT NUMBER: P853061
 CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7225.4	0.0	7225.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	23136.6	0.0	23136.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	30362.0	0.0	30362.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.1	1.3
10°-20°	1104.9	3.6
20°-30°	1855.5	6.1
30°-40°	2883.7	9.5
40°-50°	4280.1	14.1
50°-60°	5909.0	19.5
60°-70°	7169.0	23.6
70°-80°	5924.6	19.5
80°-90°	852.1	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°	30362.0	100.0
0°-180°	30362.0	100.0

Coefficient of Utilization

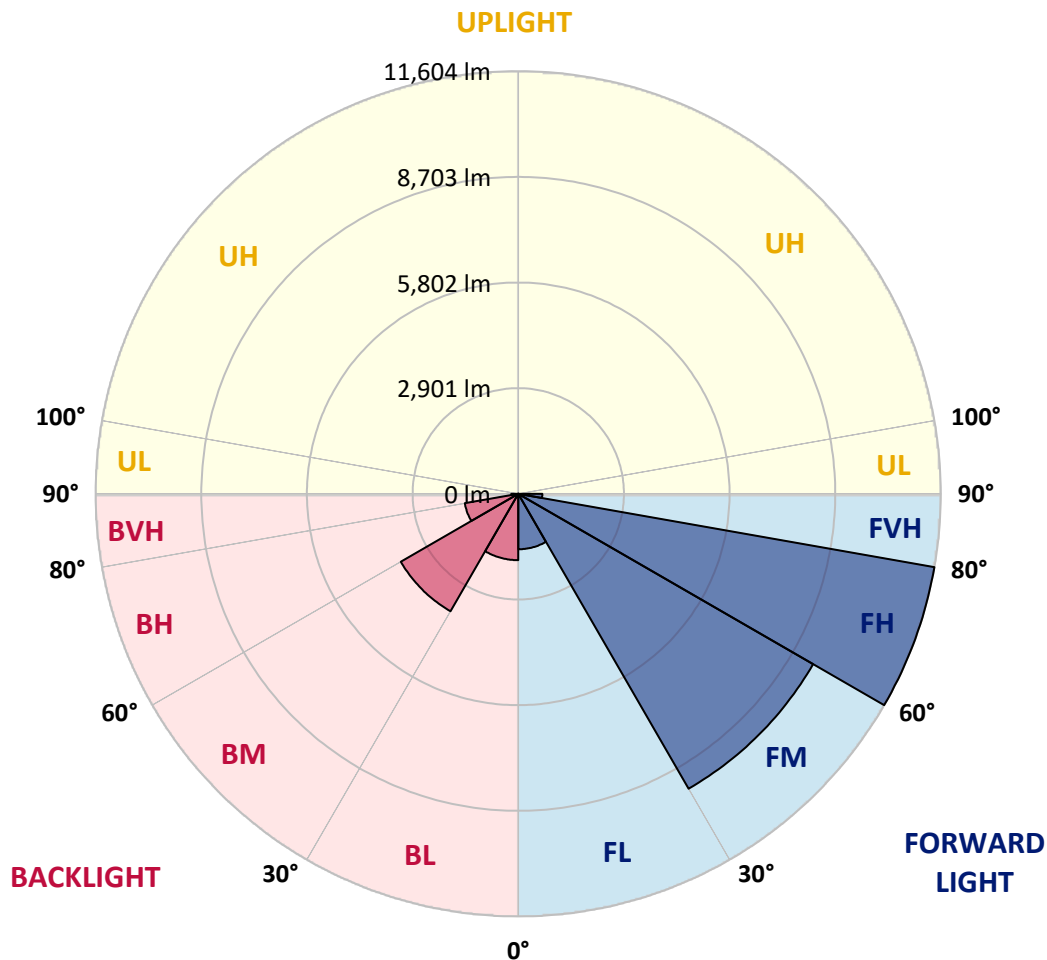


REPORT NUMBER: P853061
 CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1522.6	5.0			
FM (30°-60°)	9349.8	30.8			
FH (60°-80°)	11603.9	38.2			G4/12000
FVH (80°-90°)	660.3	2.2			G4/750
BL (0°-30°)	1820.9	6.0	B3/2500		
BM (30°-60°)	3723.0	12.3	B3/5000		
BH (60°-80°)	1489.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	191.9	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: P853061
 CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9
2.5°	3730.8	3753.8	3763.6	3758.7	3783.3	3780.0	3814.5	3857.2	3916.3	3973.7
5°	3443.6	3468.2	3489.5	3509.2	3556.8	3571.6	3625.8	3707.8	3816.2	3926.1
7.5°	3176.0	3197.4	3230.2	3266.3	3346.7	3361.5	3451.8	3579.8	3730.8	3891.7
10°	2957.7	2979.1	3013.5	3054.6	3154.7	3172.7	3287.6	3458.3	3655.3	3858.8
12.5°	2864.2	2870.7	2890.4	2931.5	3018.5	3029.9	3156.3	3351.6	3581.4	3834.2
15°	2859.2	2872.4	2874.0	2895.4	2967.6	2972.5	3089.0	3282.7	3535.5	3829.3
17.5°	2908.5	2918.3	2903.6	2916.7	2977.4	2985.6	3077.5	3249.9	3520.7	3850.6
20°	3039.8	3048.0	3003.7	2985.6	3029.9	3036.5	3126.8	3271.2	3535.5	3894.9
22.5°	3318.8	3323.7	3215.4	3141.6	3144.8	3148.1	3226.9	3358.2	3592.9	3975.4
25°	3753.8	3750.5	3578.2	3435.4	3353.3	3335.2	3387.8	3499.4	3689.8	4082.1
27.5°	4262.6	4238.0	4065.6	3852.3	3673.4	3647.1	3635.6	3683.2	3827.6	4223.2
30°	4837.1	4814.1	4628.6	4349.6	4101.7	4059.1	3950.7	3926.1	4032.8	4415.2
32.5°	5467.4	5452.6	5231.0	4892.9	4561.3	4512.1	4329.9	4264.2	4348.0	4705.8
35°	5995.9	5982.7	5798.9	5450.9	5045.5	4984.8	4799.3	4725.5	4768.1	5078.4
37.5°	6473.5	6466.9	6309.4	6035.3	5616.7	5542.9	5334.4	5309.8	5301.6	5569.1
40°	6916.7	6900.3	6736.1	6591.7	6281.5	6214.2	6030.3	6009.0	5946.6	6173.1
42.5°	7407.4	7364.8	7126.8	7059.5	6975.8	6920.0	6810.0	6813.3	6675.4	6854.3
45°	7807.9	7783.3	7538.7	7499.4	7589.6	7566.6	7661.8	7686.5	7418.9	7568.3
47.5°	8238.0	8215.0	8008.2	7980.3	8224.8	8231.4	8567.9	8576.1	8144.4	8310.2
50°	8768.1	8735.3	8530.1	8564.6	8838.7	8863.3	9478.8	9423.0	8812.4	9063.6
52.5°	9117.7	9137.4	9093.1	9148.9	9523.1	9546.1	10375.0	10232.2	9473.9	9807.1
55°	9375.4	9414.8	9552.7	9680.7	10245.3	10268.3	11220.3	11002.0	10022.1	10496.5
57.5°	9707.0	9651.2	9908.9	10158.4	10931.4	10992.2	12042.6	11743.9	10508.0	11090.6
60°	10183.0	10143.6	10343.8	10713.1	11699.6	11796.4	12912.5	12411.9	10864.1	11561.7
62.5°	11148.1	11049.6	11080.8	11407.4	12668.0	12796.0	13894.1	12994.6	11041.4	11745.5
65°	12590.8	12421.8	12264.2	12490.7	14032.0	14158.3	15002.0	13452.6	10975.7	11389.4
67.5°	14407.8	14240.4	14046.7	14260.1	16041.0	16141.1	16369.2	13710.2	10458.7	10017.2
70°	15906.4	15844.0	16075.4	16953.6	19249.8	19253.1	18122.2	13496.9	9042.2	7102.1
72.5°	15707.8	15670.0	16889.6	19604.4	23294.1	23207.1	19781.6	11881.8	6091.1	3203.9
75°	12886.3	13130.8	15020.0	19556.8	24746.7	24735.2	18765.6	7553.5	2519.5	1327.9
77.5°	6910.1	7297.5	9751.3	14439.0	19318.8	19609.3	13193.2	2642.6	1081.7	850.2
80°	2253.6	2591.7	3886.7	7351.6	12553.1	12498.9	5654.5	1037.3	740.3	602.4
82.5°	956.9	996.3	1736.6	3471.5	6442.3	6342.2	1800.6	595.8	520.3	412.0
85°	374.2	418.5	766.5	1605.2	2790.3	2729.6	650.0	295.4	333.2	269.2
87.5°	123.1	149.4	274.1	549.9	868.3	837.1	159.2	101.8	144.4	123.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853061
 CATALOG NUMBER: GLAN-SB8B-930-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4045.9	0°	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9	4045.9
4057.4	2.5°	4080.4	4106.7	4137.9	4183.8	4223.2	4256.0	4290.5	4311.8	4320.0	4344.7
4064.0	5°	4110.0	4167.4	4244.5	4320.0	4393.9	4438.2	4477.6	4497.3	4515.4	4528.5
4082.1	7.5°	4159.2	4233.1	4354.5	4453.0	4515.4	4551.5	4577.7	4571.2	4577.7	4581.0
4101.7	10°	4201.9	4305.3	4449.7	4543.3	4590.9	4592.5	4585.9	4563.0	4551.5	4553.1
4131.3	12.5°	4252.8	4367.6	4523.6	4602.4	4615.5	4579.4	4551.5	4512.1	4497.3	4490.7
4175.6	15°	4321.7	4453.0	4604.0	4633.5	4600.7	4554.8	4507.2	4443.1	4410.3	4384.1
4251.1	17.5°	4405.4	4549.8	4666.4	4645.0	4574.5	4499.0	4421.8	4325.0	4257.7	4229.8
4354.5	20°	4521.9	4651.6	4714.0	4620.4	4513.7	4398.8	4267.5	4149.3	4087.0	4059.1
4485.8	22.5°	4663.1	4787.8	4759.9	4577.7	4426.7	4242.9	4078.8	3991.8	3960.6	3940.9
4654.9	25°	4832.2	4938.8	4792.8	4515.4	4283.9	4036.1	3909.7	3881.8	3867.0	3852.3
4861.7	27.5°	5052.1	5109.5	4817.4	4423.5	4060.7	3816.2	3770.2	3775.1	3770.2	3745.6
5148.9	30°	5342.6	5331.1	4840.4	4274.1	3804.7	3617.5	3620.8	3642.2	3645.5	3629.0
5549.4	32.5°	5725.0	5608.5	4851.8	4080.4	3560.1	3443.6	3446.8	3469.8	3486.2	3458.3
6073.0	35°	6187.9	5931.9	4833.8	3837.5	3371.3	3277.8	3253.2	3259.7	3264.7	3238.4
6708.2	37.5°	6727.9	6294.6	4753.4	3568.3	3215.4	3115.3	3062.8	3018.5	2992.2	2967.6
7427.1	40°	7320.4	6690.2	4605.6	3305.7	3041.4	2943.0	2864.2	2780.5	2691.8	2659.0
8188.7	42.5°	7940.9	7097.2	4426.7	3054.6	2841.2	2760.8	2677.1	2555.6	2422.6	2355.3
8979.9	45°	8584.3	7514.1	4251.1	2806.7	2636.0	2601.5	2504.7	2358.6	2214.2	2128.8
9772.6	47.5°	9214.6	7908.1	3993.4	2557.2	2444.0	2481.7	2406.2	2271.6	2110.8	1976.2
10558.8	50°	9816.9	8277.4	3571.6	2304.5	2288.0	2445.6	2373.4	2179.7	1995.9	1823.5
11330.3	52.5°	10414.4	8576.1	3031.6	2074.7	2204.3	2435.8	2330.7	2117.3	1892.5	1711.9
12055.8	55°	10921.6	8730.4	2511.3	1877.7	2082.9	2352.1	2279.8	2043.5	1746.4	1554.4
12553.1	57.5°	11210.5	8605.6	2078.0	1684.0	1915.5	2214.2	2192.9	1885.9	1572.4	1424.7
12649.9	60°	11085.7	8100.1	1723.4	1515.0	1756.3	2064.8	2041.8	1730.0	1439.5	1300.0
12131.3	62.5°	10398.0	7136.6	1442.8	1367.2	1611.8	1912.2	1890.8	1610.2	1337.7	1203.1
10754.2	65°	9012.7	5805.5	1224.5	1244.1	1465.7	1728.3	1759.5	1510.0	1257.3	1126.0
8320.0	67.5°	6874.0	4205.2	1053.8	1137.5	1322.9	1547.8	1638.1	1437.8	1190.0	1065.2
4814.1	70°	3917.9	2388.2	909.3	1034.1	1196.5	1380.4	1544.5	1380.4	1117.8	1014.4
1803.8	72.5°	1485.4	1096.4	786.2	930.6	1075.1	1239.2	1441.1	1290.1	1034.1	956.9
932.3	75°	792.8	668.0	661.5	809.2	935.6	1101.3	1311.4	1201.5	971.7	1011.1
645.1	77.5°	540.0	472.7	553.1	692.7	782.9	948.7	1173.6	1066.9	842.0	838.7
446.4	80°	374.2	334.8	449.7	558.1	605.7	797.7	1024.2	915.9	686.1	640.1
275.7	82.5°	224.9	218.3	336.5	416.9	428.4	615.5	848.6	768.2	561.3	489.1
164.1	85°	123.1	129.7	215.0	244.6	249.5	430.0	664.7	594.2	431.7	362.7
59.1	87.5°	34.5	44.3	78.8	96.8	119.8	223.2	395.6	352.9	216.7	151.0
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>
4045.9
4343.0
4531.8
4585.9
4556.4
4487.5
4392.3
4231.4
4055.8
3944.2
3852.3
3750.5
3637.2
3471.5
3256.4
2984.0
2673.8
2363.6
2122.3
1961.4
1808.8
1692.2
1538.0
1405.0
1280.3
1181.8
1104.6
1045.5
1001.2
943.8
1043.9
773.1
612.2
492.4
366.0
151.0
0.0

F REPORT)