

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: P850916

Luminaire Tested: **GLAN-SB8C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 38641 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

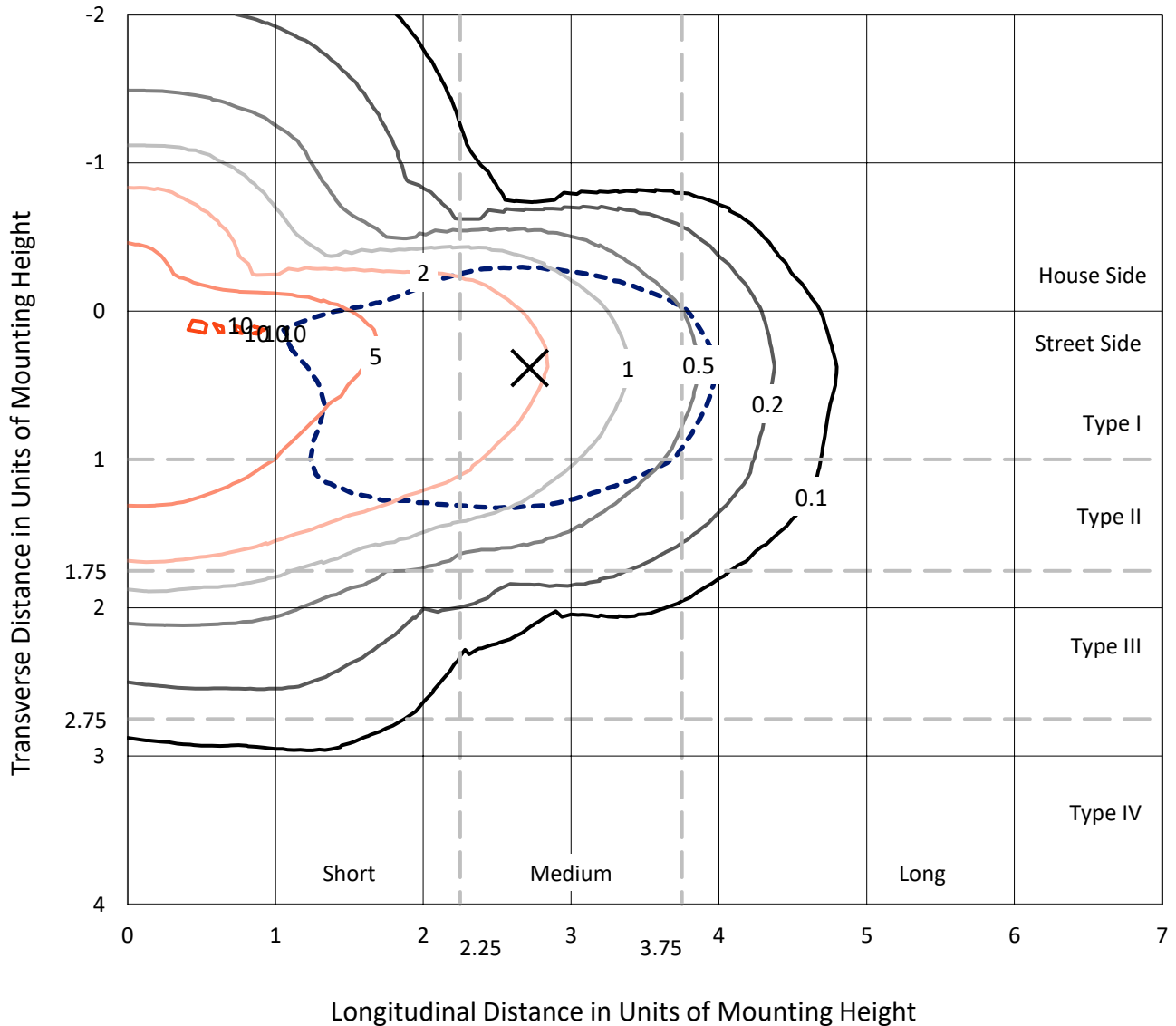
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850916
 CATALOG NUMBER: GLAN-SB8C-927-U-T2

Iso-Footcandle Lines of Horizontal Illumination

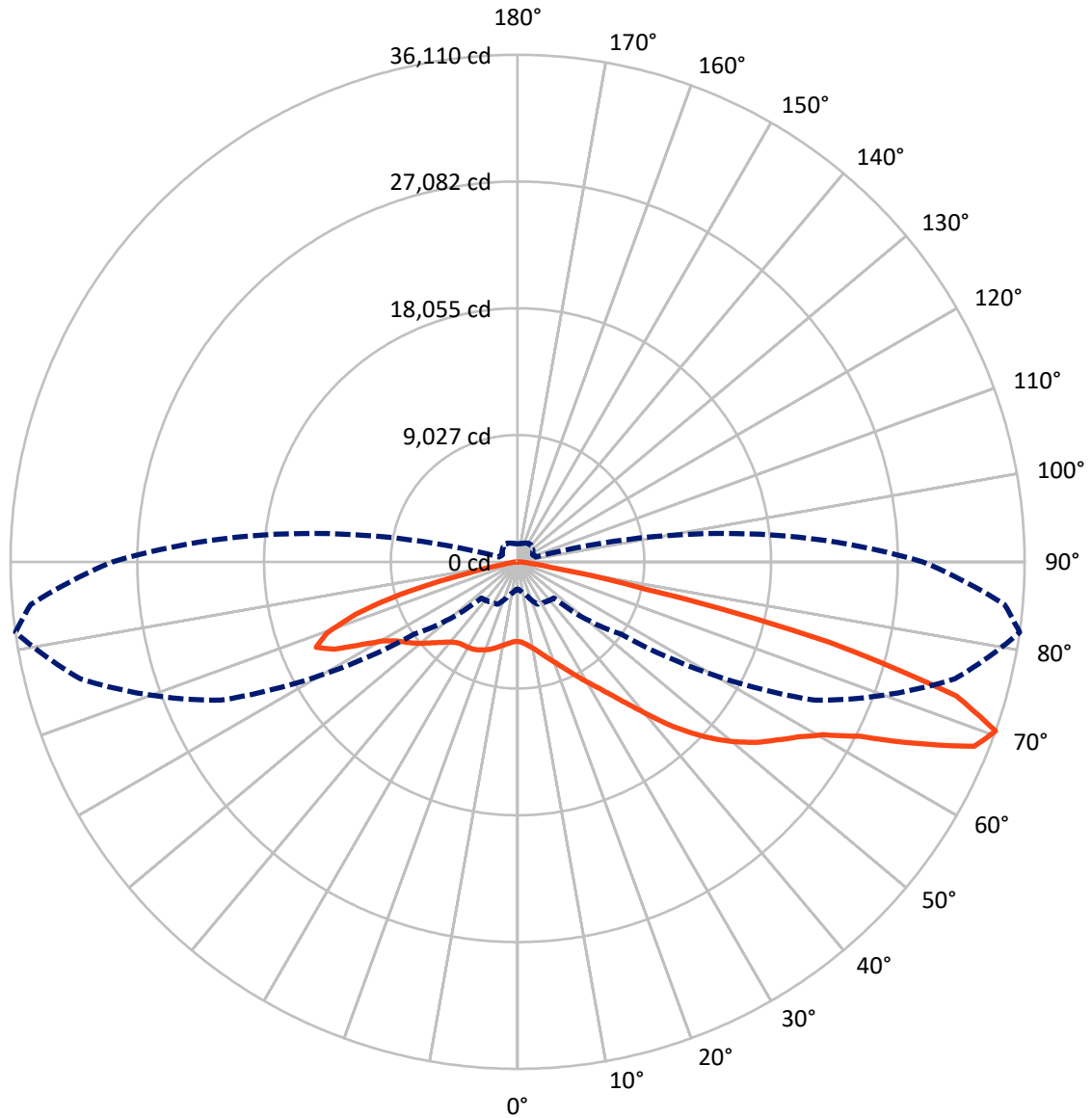
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P850916
CATALOG NUMBER: GLAN-SB8C-927-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850916
 CATALOG NUMBER: GLAN-SB8C-927-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9526.0	0.0	9526.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29115.0	0.0	29115.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	38641.0	0.0	38641.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.9	1.4
10°-20°	1536.8	4.0
20°-30°	2570.9	6.7
30°-40°	4016.4	10.4
40°-50°	6396.6	16.6
50°-60°	8901.7	23.0
60°-70°	9311.6	24.1
70°-80°	4866.7	12.6
80°-90°	505.4	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°	38641.0	100.0
0°-180°	38641.0	100.0

Coefficient of Utilization

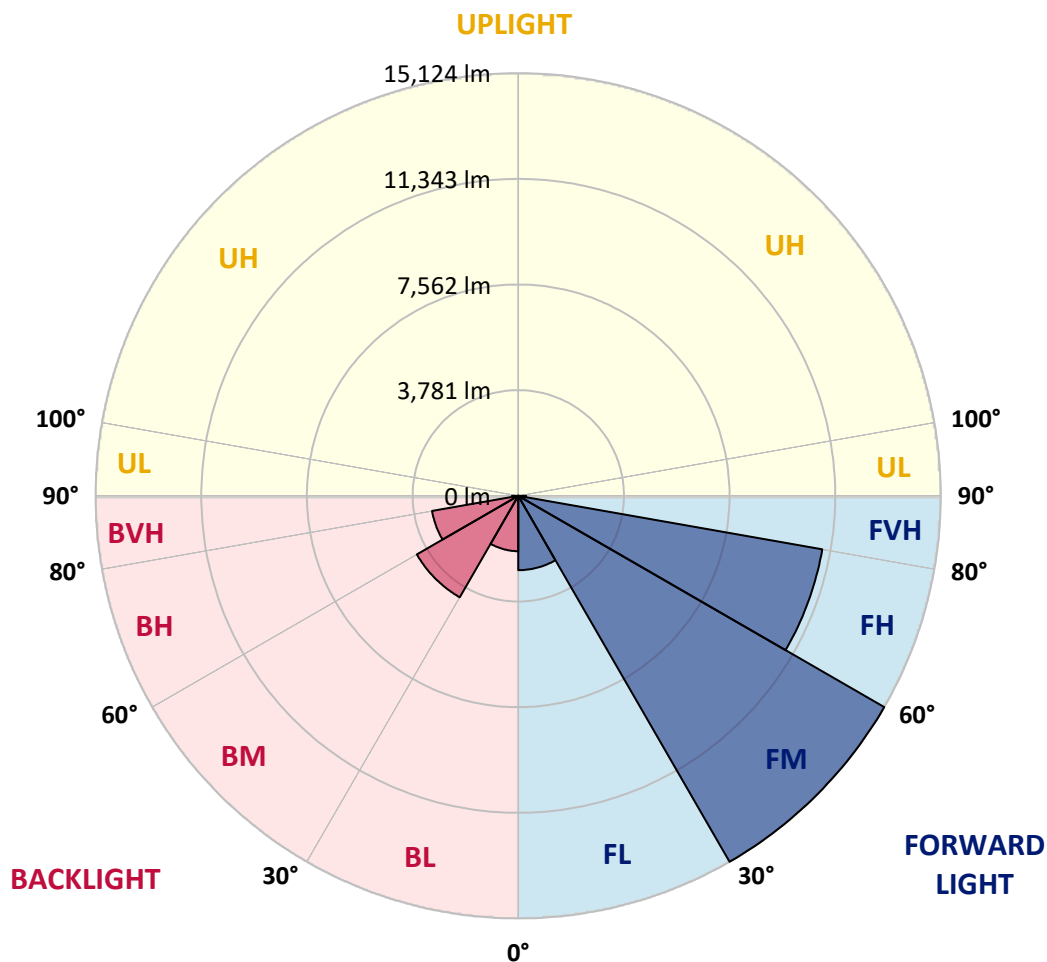


REPORT NUMBER: P850916
 CATALOG NUMBER: GLAN-SB8C-927-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2660.9	6.9			
FM (30°-60°)	15123.7	39.1			
FH (60°-80°)	11047.6	28.6			G4/12000
FVH (80°-90°)	282.9	0.7			G3/500
BL (0°-30°)	1981.7	5.1	B3/2500		
BM (30°-60°)	4191.0	10.8	B3/5000		
BH (60°-80°)	3130.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	222.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



REPORT NUMBER: P850916
 CATALOG NUMBER: GLAN-SB8C-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3
2.5°	5800.6	5833.4	5823.1	5812.9	5812.9	5798.5	5796.5	5776.0	5759.6	5732.9
5°	5874.4	5909.3	5905.2	5913.4	5940.0	5946.2	5952.3	5940.0	5907.2	5874.4
7.5°	5808.8	5847.7	5860.0	5909.3	5991.3	6065.1	6120.4	6143.0	6112.2	6065.1
10°	5587.3	5630.4	5673.5	5790.3	5935.9	6110.2	6257.8	6346.0	6339.8	6294.7
12.5°	5138.3	5183.4	5275.7	5503.3	5769.8	6077.4	6352.1	6536.7	6600.2	6567.4
15°	4779.5	4818.4	4888.2	5121.9	5468.4	5935.9	6387.0	6745.8	6907.8	6889.3
17.5°	4769.2	4785.6	4828.7	4939.4	5206.0	5714.5	6350.1	6950.9	7260.5	7258.4
20°	4949.7	4955.8	4980.4	5003.0	5154.7	5546.3	6255.8	7121.0	7656.2	7656.2
22.5°	5199.8	5195.7	5220.3	5199.8	5273.6	5532.0	6196.3	7270.7	8097.0	8129.8
25°	5575.0	5554.5	5548.4	5501.2	5515.6	5665.3	6261.9	7440.9	8619.9	8687.5
27.5°	6075.3	6042.5	6020.0	5911.3	5874.4	5940.0	6462.9	7645.9	9202.2	9319.1
30°	6727.4	6667.9	6635.1	6446.5	6313.2	6323.4	6766.3	7918.6	9811.2	9999.8
32.5°	7617.2	7525.0	7436.8	7127.2	6883.2	6803.2	7157.9	8295.9	10471.4	10772.8
35°	8613.7	8539.9	8445.6	7967.9	7592.6	7408.1	7686.9	8822.9	11244.4	11722.1
37.5°	9573.3	9509.8	9554.9	8911.0	8427.1	8158.5	8380.0	9530.3	12197.8	12903.2
40°	10565.7	10516.5	10522.7	9907.5	9343.7	9042.3	9220.6	10418.1	13290.7	14307.7
42.5°	11644.2	11607.3	11484.3	10938.9	10305.3	10024.4	10188.4	11443.3	14463.5	15907.0
45°	12851.9	12829.3	12714.5	12089.2	11363.3	11047.6	11269.0	12575.1	15642.5	17412.0
47.5°	13895.6	13914.0	13899.7	13372.7	12620.2	12156.8	12421.3	13756.1	16739.5	18826.8
50°	14397.9	14494.3	14635.8	14471.7	14004.2	13532.6	13583.9	14896.2	17785.2	20153.4
52.5°	14135.5	14317.9	14703.4	14965.9	15146.3	15047.9	14910.5	16028.0	18769.4	21350.8
55°	13157.4	13413.7	14053.4	14687.0	15607.6	16323.2	16503.7	17282.8	19728.9	22404.7
57.5°	11375.6	11791.8	12366.0	13647.5	15197.6	16940.4	18361.3	19023.6	20745.9	23530.4
60°	8320.5	8878.2	9591.8	11498.6	13762.3	16610.3	19942.2	21697.3	22191.5	24988.2
62.5°	5324.9	5669.4	6325.5	8121.6	10723.6	14918.7	20426.1	25039.5	24641.7	27379.0
65°	3645.6	3867.1	4467.8	5476.6	6932.4	11105.0	19130.2	27545.1	28533.4	31168.1
67.5°	2649.1	2817.2	3329.8	4213.6	4517.0	6571.5	14844.9	27430.2	32316.3	35072.1
70°	1931.5	2050.4	2481.0	3329.8	3475.4	3655.9	8993.1	23317.1	32234.3	36109.6
72.5°	1431.2	1513.2	1802.3	2583.5	2813.1	2468.7	4451.4	16946.6	27698.8	32660.8
75°	1035.5	1097.0	1310.2	1976.6	2251.3	1880.2	2220.6	9903.4	19320.9	22974.7
77.5°	791.5	838.6	978.0	1447.6	1802.3	1410.7	1377.9	4556.0	9161.2	9206.3
80°	635.6	666.4	742.2	1019.0	1382.0	1056.0	898.1	1839.2	2895.2	2450.2
82.5°	467.5	518.8	627.4	715.6	988.3	727.9	547.5	928.8	1101.1	947.3
85°	266.6	301.4	379.3	512.6	631.5	444.9	313.7	412.1	512.6	420.3
87.5°	94.3	123.0	133.3	200.9	274.8	184.5	121.0	118.9	168.1	125.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850916
 CATALOG NUMBER: GLAN-SB8C-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5665.3	0°	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3	5665.3
5726.8	2.5°	5706.3	5696.0	5655.0	5599.6	5542.2	5486.9	5468.4	5429.5	5402.8	5388.4
5860.0	5°	5821.1	5788.3	5691.9	5568.9	5439.7	5300.3	5201.9	5111.6	5046.0	4984.5
6042.5	7.5°	5985.1	5927.7	5761.6	5546.3	5316.7	5085.0	4912.8	4781.5	4693.4	4636.0
6255.8	10°	6175.8	6087.6	5833.4	5511.5	5156.8	4824.6	4621.6	4508.8	4453.5	4422.7
6499.8	12.5°	6395.2	6270.1	5907.2	5431.5	4912.8	4533.4	4394.0	4361.2	4363.3	4365.3
6807.3	15°	6665.8	6491.6	5966.7	5257.2	4594.9	4309.9	4285.3	4338.6	4394.0	4420.7
7155.9	17.5°	6971.4	6725.3	5976.9	4970.2	4283.3	4166.4	4244.3	4359.1	4443.2	4480.1
7545.5	20°	7299.4	6963.2	5903.1	4564.2	4027.0	4049.5	4189.0	4336.6	4428.9	4476.0
7990.4	22.5°	7674.6	7217.4	5726.8	4137.7	3817.8	3922.4	4086.4	4230.0	4326.3	4373.5
8513.3	25°	8103.2	7502.4	5450.0	3778.9	3637.4	3778.9	3942.9	4061.8	4139.8	4182.8
9097.6	27.5°	8578.9	7799.7	5080.9	3493.9	3479.5	3631.3	3766.6	3858.9	3899.9	3932.7
9718.9	30°	9056.6	8070.4	4633.9	3278.6	3342.2	3485.7	3582.0	3623.1	3635.4	3641.5
10411.9	32.5°	9573.3	8304.1	4164.4	3100.2	3210.9	3344.2	3401.6	3420.1	3362.7	3323.7
11252.6	35°	10198.7	8554.3	3705.1	2958.7	3081.8	3196.6	3215.0	3198.6	3131.0	3051.0
12306.5	37.5°	10971.7	8865.9	3338.1	2858.3	2960.8	3036.6	3014.1	3010.0	3016.1	2921.8
13573.6	40°	11919.0	9271.9	3069.4	2780.3	2862.4	2878.8	2815.2	2850.1	2880.8	2737.3
14963.8	42.5°	12970.8	9762.0	2899.3	2727.0	2780.3	2741.4	2643.0	2681.9	2677.8	2489.2
16360.1	45°	14043.2	10295.1	2839.8	2688.1	2704.5	2626.6	2517.9	2528.1	2442.0	2271.8
17699.0	47.5°	15109.4	10867.1	2876.7	2655.3	2610.2	2522.0	2437.9	2392.8	2265.7	2138.6
18982.6	50°	16155.1	11467.9	3012.0	2589.7	2481.0	2429.7	2368.2	2288.2	2152.9	2044.2
20196.4	52.5°	17124.9	12072.8	3163.8	2481.0	2319.0	2349.8	2310.8	2218.5	2085.3	1974.5
21344.7	55°	18043.5	12677.6	3223.2	2331.3	2167.3	2280.0	2257.5	2087.3	1927.4	1837.2
22546.2	57.5°	19044.1	13405.5	3157.6	2140.6	2044.2	2200.1	2114.0	1925.3	1833.1	1765.4
24110.6	60°	20430.2	14547.6	3016.1	1904.8	1927.4	2081.2	1933.5	1855.6	1755.1	1679.3
26456.3	62.5°	22732.8	16677.9	2788.5	1671.1	1790.0	1904.8	1847.4	1769.5	1667.0	1593.2
30466.9	65°	26136.4	19638.7	2360.0	1488.6	1636.2	1732.6	1755.1	1677.2	1570.6	1492.7
33981.3	67.5°	29007.0	21496.4	1785.9	1336.9	1478.3	1593.2	1656.7	1580.9	1468.1	1392.2
34803.5	70°	28849.1	20147.2	1363.5	1187.2	1338.9	1455.8	1537.8	1478.3	1357.4	1285.6
31613.1	72.5°	25623.8	16854.3	1103.1	1035.5	1197.4	1312.3	1410.7	1365.6	1242.5	1172.8
23159.3	75°	18824.7	11964.1	881.7	881.7	1021.1	1162.6	1271.2	1242.5	1129.8	1080.6
9723.0	77.5°	7935.0	5019.4	691.0	732.0	848.9	998.5	1133.9	1144.1	1045.7	1107.2
2571.2	80°	2109.9	1384.0	527.0	576.2	666.4	824.3	986.2	982.1	875.5	818.1
955.5	82.5°	803.8	545.4	375.2	406.0	481.8	631.5	781.2	805.8	699.2	604.9
375.2	85°	309.6	233.7	231.7	244.0	280.9	418.3	590.5	611.0	527.0	447.0
104.6	87.5°	80.0	69.7	86.1	82.0	129.2	223.5	338.3	350.6	321.9	186.6
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>
5665.3
5404.9
5009.1
4648.3
4430.9
4369.4
4418.6
4488.3
4488.3
4385.8
4195.1
3945.0
3655.9
3336.0
3055.1
2928.0
2741.4
2487.1
2278.0
2138.6
2036.0
1976.6
1829.0
1759.2
1675.2
1593.2
1496.8
1394.3
1291.8
1172.8
1066.2
1004.7
760.7
604.9
461.3
266.6
0.0

F REPORT)