

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: P849166

Luminaire Tested: **GLAN-SB6A-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849166
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-SB6A-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21490 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

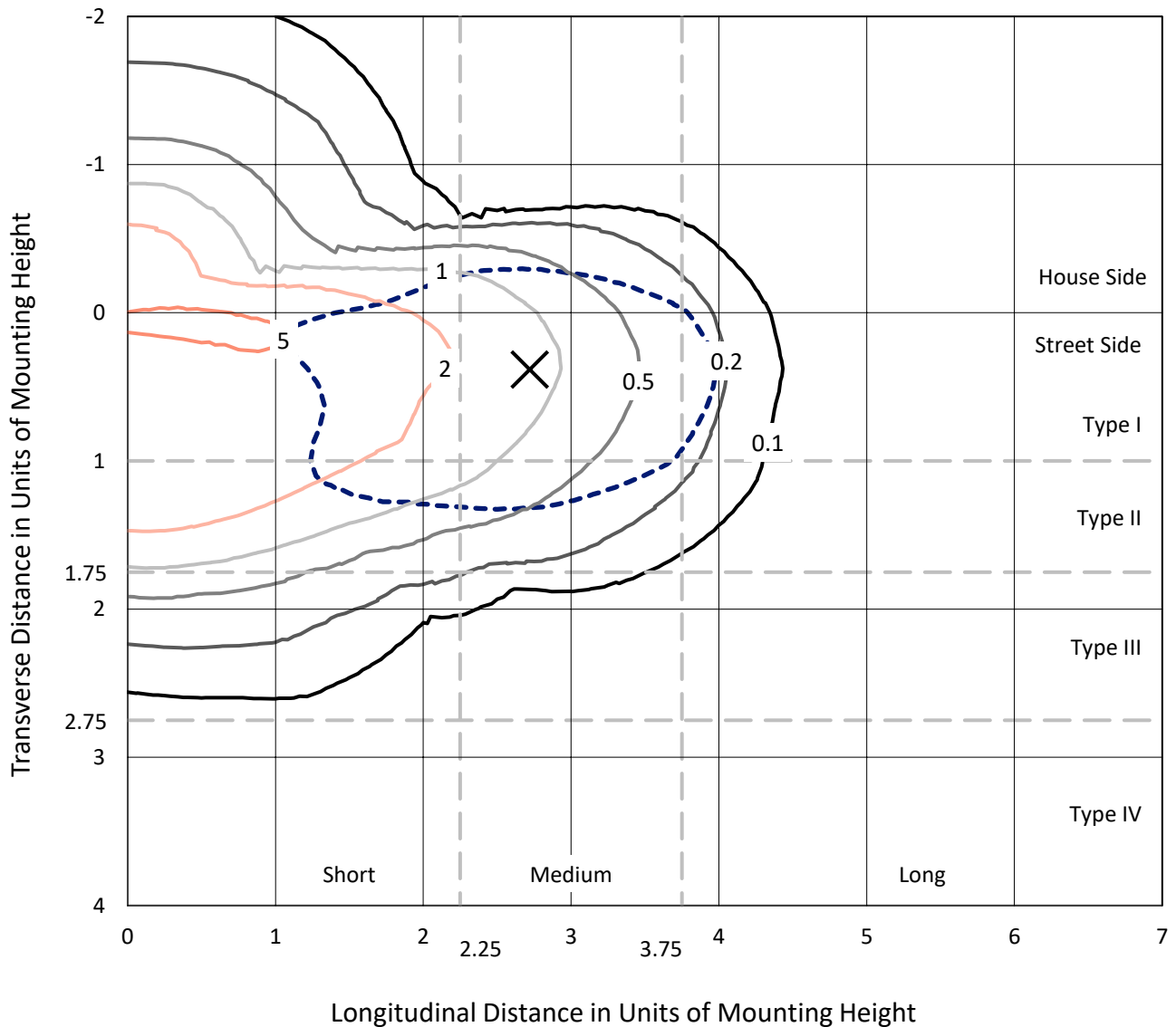
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849166
 CATALOG NUMBER: GLAN-SB6A-827-U-T2

Iso-Footcandle Lines of Horizontal Illumination

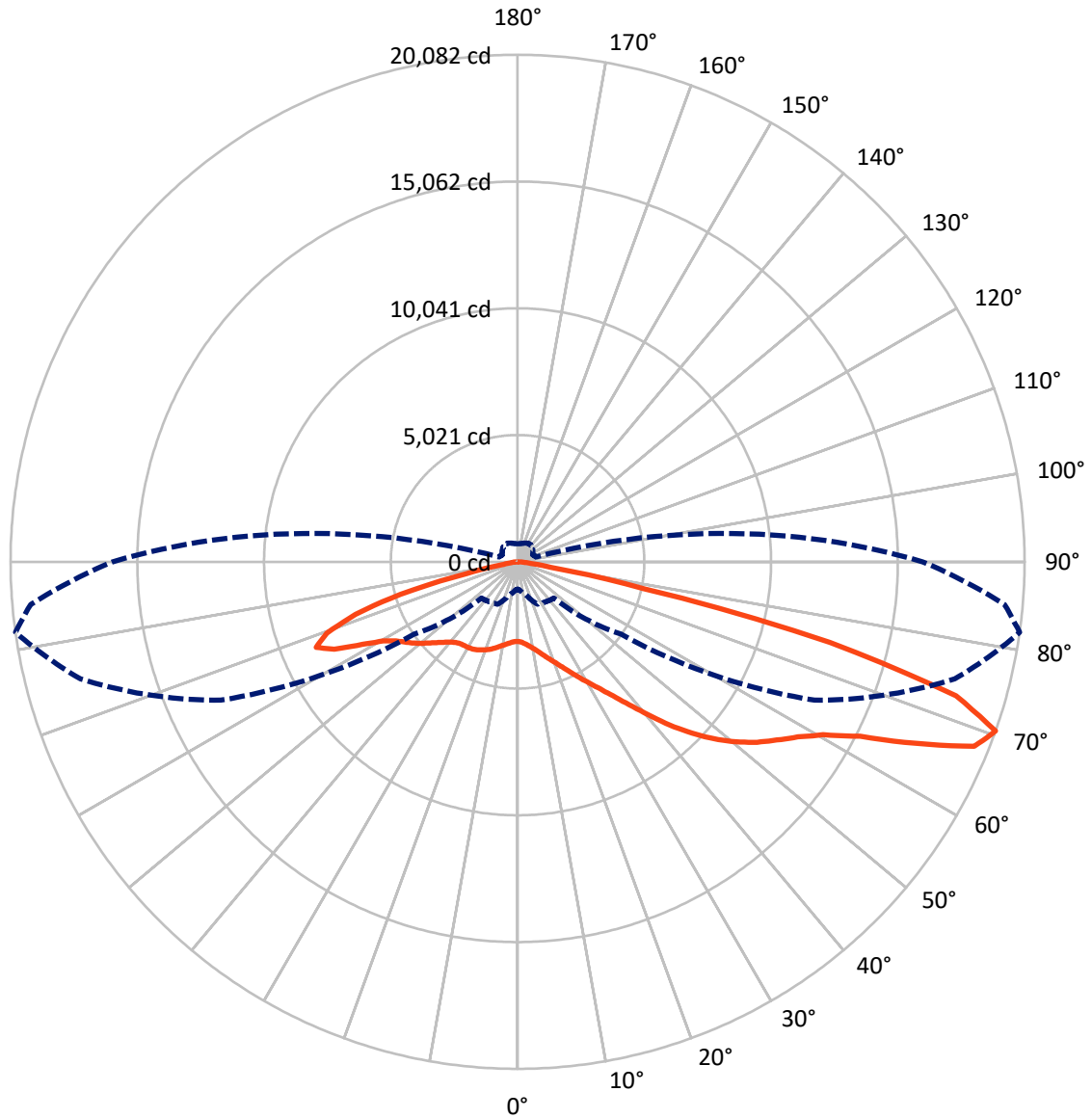
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P849166
CATALOG NUMBER: GLAN-SB6A-827-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849166
 CATALOG NUMBER: GLAN-SB6A-827-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5297.8	0.0	5297.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16192.2	0.0	16192.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	21490.0	0.0	21490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.5	1.4
10°-20°	854.7	4.0
20°-30°	1429.8	6.7
30°-40°	2233.7	10.4
40°-50°	3557.5	16.6
50°-60°	4950.6	23.0
60°-70°	5178.6	24.1
70°-80°	2706.6	12.6
80°-90°	281.1	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°	21490.0	100.0
0°-180°	21490.0	100.0

Coefficient of Utilization

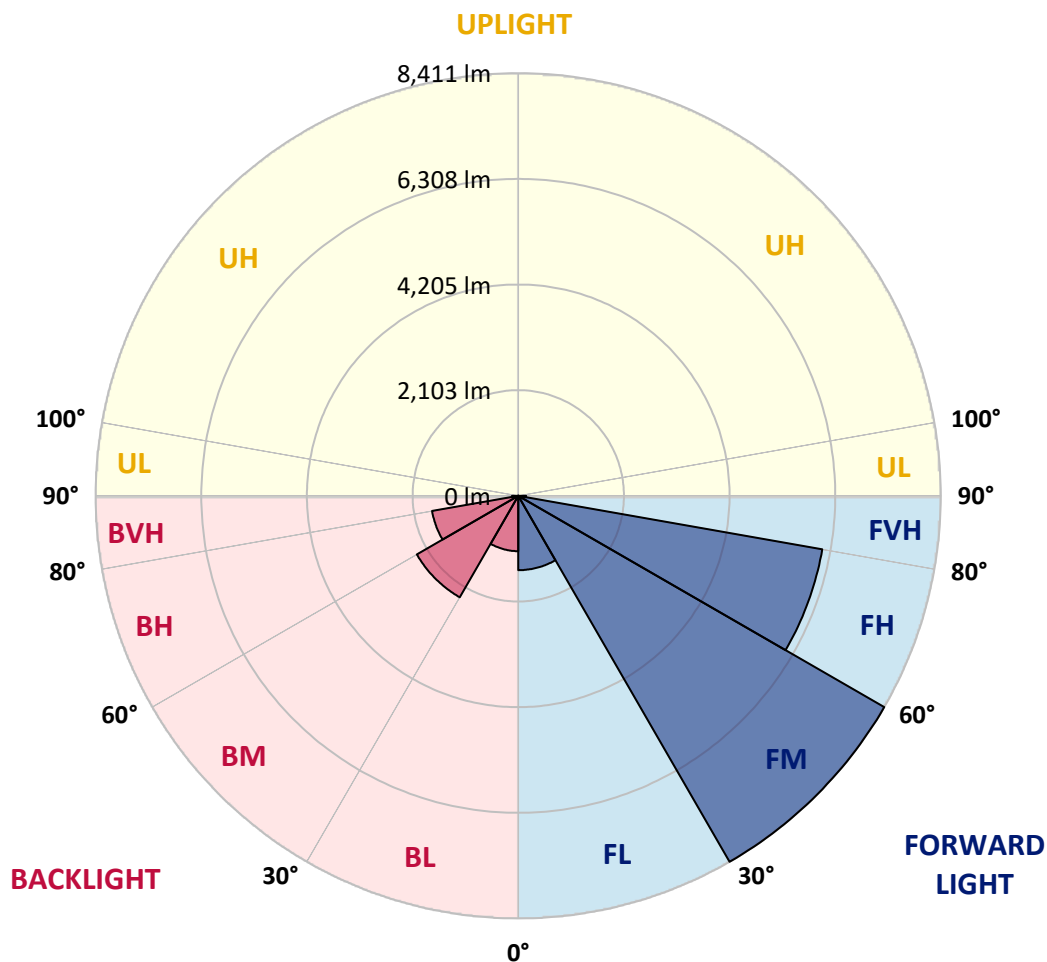


REPORT NUMBER: P849166
 CATALOG NUMBER: GLAN-SB6A-827-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.8	6.9			
FM (30°-60°)	8411.0	39.1			
FH (60°-80°)	6144.1	28.6			G3/7500
FVH (80°-90°)	157.3	0.7			G2/225
BL (0°-30°)	1102.1	5.1	B3/2500		
BM (30°-60°)	2330.8	10.8	B2/2500		
BH (60°-80°)	1741.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	123.7	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-G3
 Type II Medium



REPORT NUMBER: P849166
 CATALOG NUMBER: GLAN-SB6A-827-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7
2.5°	3226.0	3244.2	3238.5	3232.8	3232.8	3224.8	3223.7	3212.3	3203.2	3188.3
5°	3267.0	3286.4	3284.1	3288.7	3303.5	3306.9	3310.3	3303.5	3285.3	3267.0
7.5°	3230.5	3252.2	3259.0	3286.4	3332.0	3373.1	3403.9	3416.4	3399.3	3373.1
10°	3107.4	3131.3	3155.3	3220.3	3301.2	3398.2	3480.3	3529.3	3525.9	3500.8
12.5°	2857.6	2882.7	2934.0	3060.6	3208.9	3379.9	3532.7	3635.3	3670.7	3652.4
15°	2658.1	2679.8	2718.5	2848.5	3041.2	3301.2	3552.1	3751.7	3841.7	3831.5
17.5°	2652.4	2661.5	2685.5	2747.0	2895.3	3178.1	3531.6	3865.7	4037.9	4036.7
20°	2752.7	2756.2	2769.8	2782.4	2866.8	3084.6	3479.1	3960.3	4258.0	4258.0
22.5°	2891.9	2889.6	2903.3	2891.9	2932.9	3076.6	3446.0	4043.6	4503.1	4521.4
25°	3100.5	3089.1	3085.7	3059.5	3067.5	3150.7	3482.5	4138.2	4793.9	4831.5
27.5°	3378.8	3360.5	3348.0	3287.5	3267.0	3303.5	3594.3	4252.3	5117.8	5182.8
30°	3741.4	3708.3	3690.1	3585.2	3511.0	3516.7	3763.1	4403.9	5456.4	5561.3
32.5°	4236.3	4185.0	4135.9	3963.8	3828.1	3783.6	3980.9	4613.7	5823.6	5991.2
35°	4790.5	4749.4	4697.0	4431.3	4222.6	4120.0	4275.1	4906.8	6253.5	6519.2
37.5°	5324.2	5288.8	5313.9	4955.8	4686.7	4537.3	4660.5	5300.2	6783.8	7176.0
40°	5876.1	5848.7	5852.1	5510.0	5196.4	5028.8	5128.0	5794.0	7391.6	7957.1
42.5°	6475.9	6455.3	6386.9	6083.6	5731.2	5575.0	5666.2	6364.1	8043.8	8846.6
45°	7147.5	7135.0	7071.1	6723.3	6319.7	6144.0	6267.2	6993.6	8699.5	9683.6
47.5°	7727.9	7738.2	7730.2	7437.2	7018.7	6761.0	6908.1	7650.4	9309.6	10470.4
50°	8007.3	8060.9	8139.6	8048.4	7788.4	7526.1	7554.6	8284.4	9891.1	11208.2
52.5°	7861.4	7962.9	8177.2	8323.2	8423.5	8368.8	8292.4	8913.9	10438.5	11874.1
55°	7317.4	7460.0	7815.7	8168.1	8680.1	9078.1	9178.4	9611.8	10972.2	12460.3
57.5°	6326.5	6558.0	6877.3	7590.0	8452.0	9421.3	10211.6	10579.9	11537.8	13086.3
60°	4627.4	4937.6	5334.4	6394.9	7653.8	9237.7	11090.7	12066.9	12341.7	13897.1
62.5°	2961.4	3153.0	3517.9	4516.8	5963.9	8297.0	11359.9	13925.6	13704.4	15226.7
65°	2027.5	2150.6	2484.8	3045.8	3855.4	6176.0	10639.2	15319.1	15868.7	17334.0
67.5°	1473.3	1566.8	1851.9	2343.4	2512.1	3654.7	8255.9	15255.2	17972.6	19505.2
70°	1074.2	1140.3	1379.8	1851.9	1932.8	2033.2	5001.4	12967.7	17927.0	20082.2
72.5°	795.9	841.6	1002.3	1436.8	1564.5	1372.9	2475.6	9424.7	15404.6	18164.1
75°	575.9	610.1	728.7	1099.3	1252.1	1045.7	1235.0	5507.7	10745.2	12777.3
77.5°	440.2	466.4	543.9	805.1	1002.3	784.5	766.3	2533.8	5094.9	5120.0
80°	353.5	370.6	412.8	566.7	768.6	587.3	499.5	1022.9	1610.1	1362.7
82.5°	260.0	288.5	348.9	398.0	549.6	404.8	304.5	516.6	612.4	526.8
85°	148.2	167.6	211.0	285.1	351.2	247.4	174.5	229.2	285.1	233.8
87.5°	52.5	68.4	74.1	111.8	152.8	102.6	67.3	66.1	93.5	69.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849166
 CATALOG NUMBER: GLAN-SB6A-827-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3150.7	0°	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7	3150.7
3184.9	2.5°	3173.5	3167.8	3145.0	3114.2	3082.3	3051.5	3041.2	3019.6	3004.7	2996.8
3259.0	5°	3237.4	3219.1	3165.5	3097.1	3025.3	2947.7	2893.0	2842.8	2806.3	2772.1
3360.5	7.5°	3328.6	3296.7	3204.3	3084.6	2956.8	2828.0	2732.2	2659.2	2610.2	2578.3
3479.1	10°	3434.6	3385.6	3244.2	3065.2	2867.9	2683.2	2570.3	2507.6	2476.8	2459.7
3614.8	12.5°	3556.7	3487.1	3285.3	3020.7	2732.2	2521.2	2443.7	2425.5	2426.6	2427.7
3785.9	15°	3707.2	3610.3	3318.3	2923.8	2555.5	2397.0	2383.3	2412.9	2443.7	2458.5
3979.7	17.5°	3877.1	3740.2	3324.0	2764.1	2382.1	2317.1	2360.5	2424.3	2471.1	2491.6
4196.4	20°	4059.5	3872.5	3283.0	2538.4	2239.6	2252.1	2329.7	2411.8	2463.1	2489.3
4443.8	22.5°	4268.2	4013.9	3184.9	2301.2	2123.3	2181.4	2272.7	2352.5	2406.1	2432.3
4734.6	25°	4506.5	4172.4	3031.0	2101.6	2022.9	2101.6	2192.8	2259.0	2302.3	2326.3
5059.6	27.5°	4771.1	4337.8	2825.7	1943.1	1935.1	2019.5	2094.8	2146.1	2168.9	2187.1
5405.1	30°	5036.8	4488.3	2577.1	1823.4	1858.7	1938.5	1992.1	2014.9	2021.8	2025.2
5790.5	32.5°	5324.2	4618.3	2316.0	1724.2	1785.7	1859.9	1891.8	1902.1	1870.1	1848.5
6258.1	35°	5671.9	4757.4	2060.6	1645.5	1713.9	1777.8	1788.0	1778.9	1741.3	1696.8
6844.2	37.5°	6101.8	4930.7	1856.4	1589.6	1646.6	1688.8	1676.3	1674.0	1677.4	1625.0
7548.9	40°	6628.7	5156.5	1707.1	1546.3	1591.9	1601.0	1565.7	1585.0	1602.1	1522.3
8322.1	42.5°	7213.7	5429.1	1612.4	1516.6	1546.3	1524.6	1469.9	1491.5	1489.3	1384.3
9098.6	45°	7810.0	5725.5	1579.3	1495.0	1504.1	1460.7	1400.3	1406.0	1358.1	1263.5
9843.2	47.5°	8403.0	6043.7	1599.9	1476.7	1451.6	1402.6	1355.8	1330.8	1260.1	1189.4
10557.1	50°	8984.6	6377.8	1675.1	1440.2	1379.8	1351.3	1317.1	1272.6	1197.3	1136.9
11232.1	52.5°	9523.9	6714.2	1759.5	1379.8	1289.7	1306.8	1285.1	1233.8	1159.7	1098.1
11870.7	55°	10034.8	7050.6	1792.6	1296.5	1205.3	1268.0	1255.5	1160.8	1071.9	1021.7
12539.0	57.5°	10591.3	7455.4	1756.1	1190.5	1136.9	1223.6	1175.7	1070.8	1019.4	981.8
13409.0	60°	11362.1	8090.6	1677.4	1059.4	1071.9	1157.4	1075.3	1032.0	976.1	933.9
14713.5	62.5°	12642.7	9275.4	1550.8	929.4	995.5	1059.4	1027.4	984.1	927.1	886.0
16944.0	65°	14535.7	10922.0	1312.5	827.9	910.0	963.6	976.1	932.8	873.5	830.2
18898.5	67.5°	16132.1	11955.1	993.2	743.5	822.2	886.0	921.4	879.2	816.5	774.3
19355.8	70°	16044.3	11204.8	758.3	660.2	744.6	809.6	855.2	822.2	754.9	715.0
17581.4	72.5°	14250.6	9373.4	613.5	575.9	665.9	729.8	784.5	759.5	691.0	652.3
12879.9	75°	10469.3	6653.8	490.3	490.3	567.9	646.6	707.0	691.0	628.3	600.9
5407.4	77.5°	4413.0	2791.5	384.3	407.1	472.1	555.3	630.6	636.3	581.6	615.8
1430.0	80°	1173.4	769.7	293.1	320.4	370.6	458.4	548.5	546.2	486.9	455.0
531.4	82.5°	447.0	303.3	208.7	225.8	268.0	351.2	434.5	448.1	388.8	336.4
208.7	85°	172.2	130.0	128.9	135.7	156.2	232.6	328.4	339.8	293.1	248.6
58.2	87.5°	44.5	38.8	47.9	45.6	71.8	124.3	188.2	195.0	179.0	103.8
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

<u>180°</u>
3150.7
3005.9
2785.8
2585.1
2464.2
2430.0
2457.4
2496.2
2496.2
2439.1
2333.1
2194.0
2033.2
1855.3
1699.1
1628.4
1524.6
1383.2
1266.9
1189.4
1132.3
1099.3
1017.2
978.4
931.6
886.0
832.4
775.4
718.4
652.3
593.0
558.8
423.1
336.4
256.6
148.2
0.0

F REPORT)