

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: P850828

Luminaire Tested: **GLAN-SB8C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850828
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-SB8C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59466 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

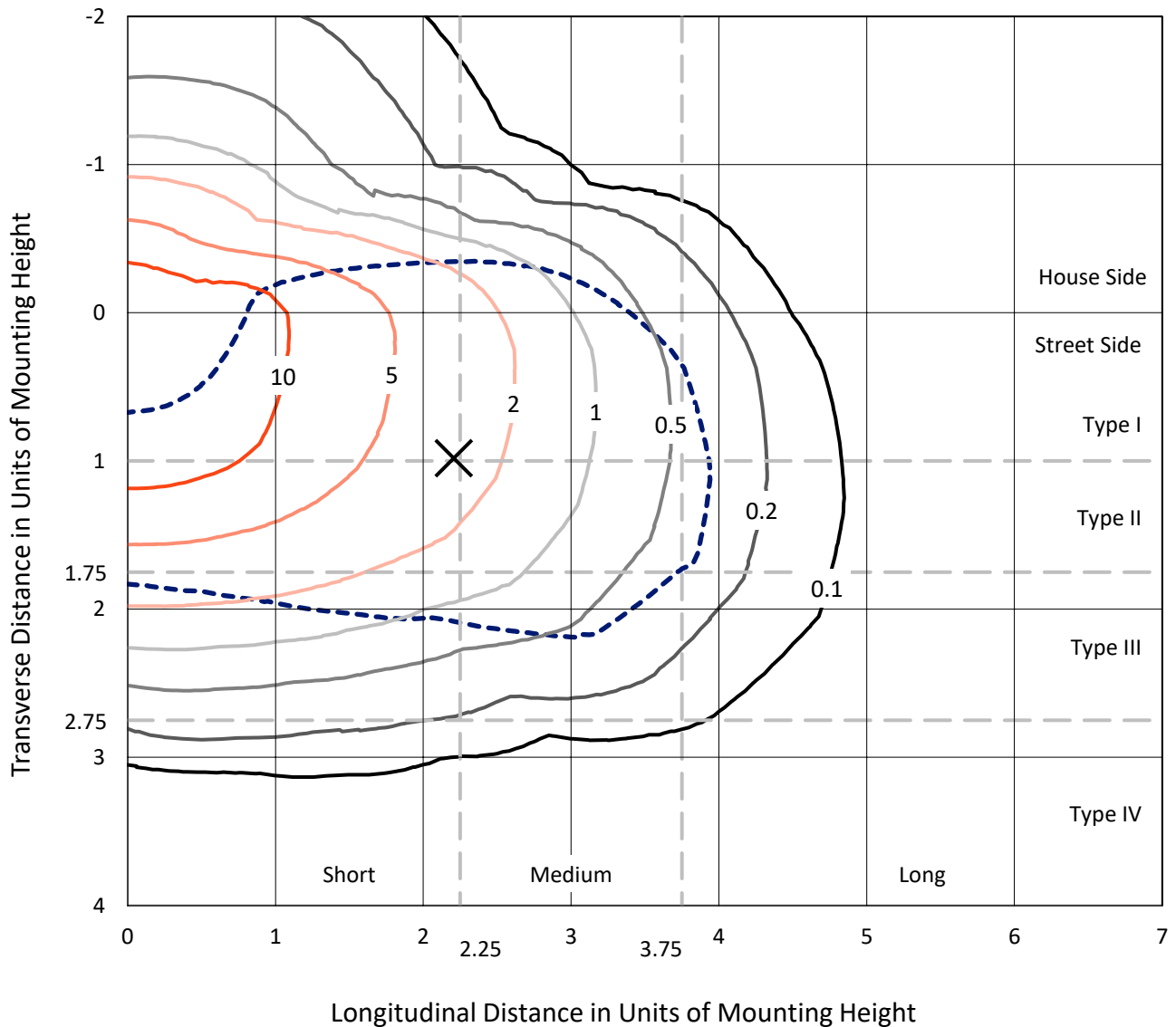
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850828
 CATALOG NUMBER: GLAN-SB8C-735-U-T3

Iso-Footcandle Lines of Horizontal Illumination

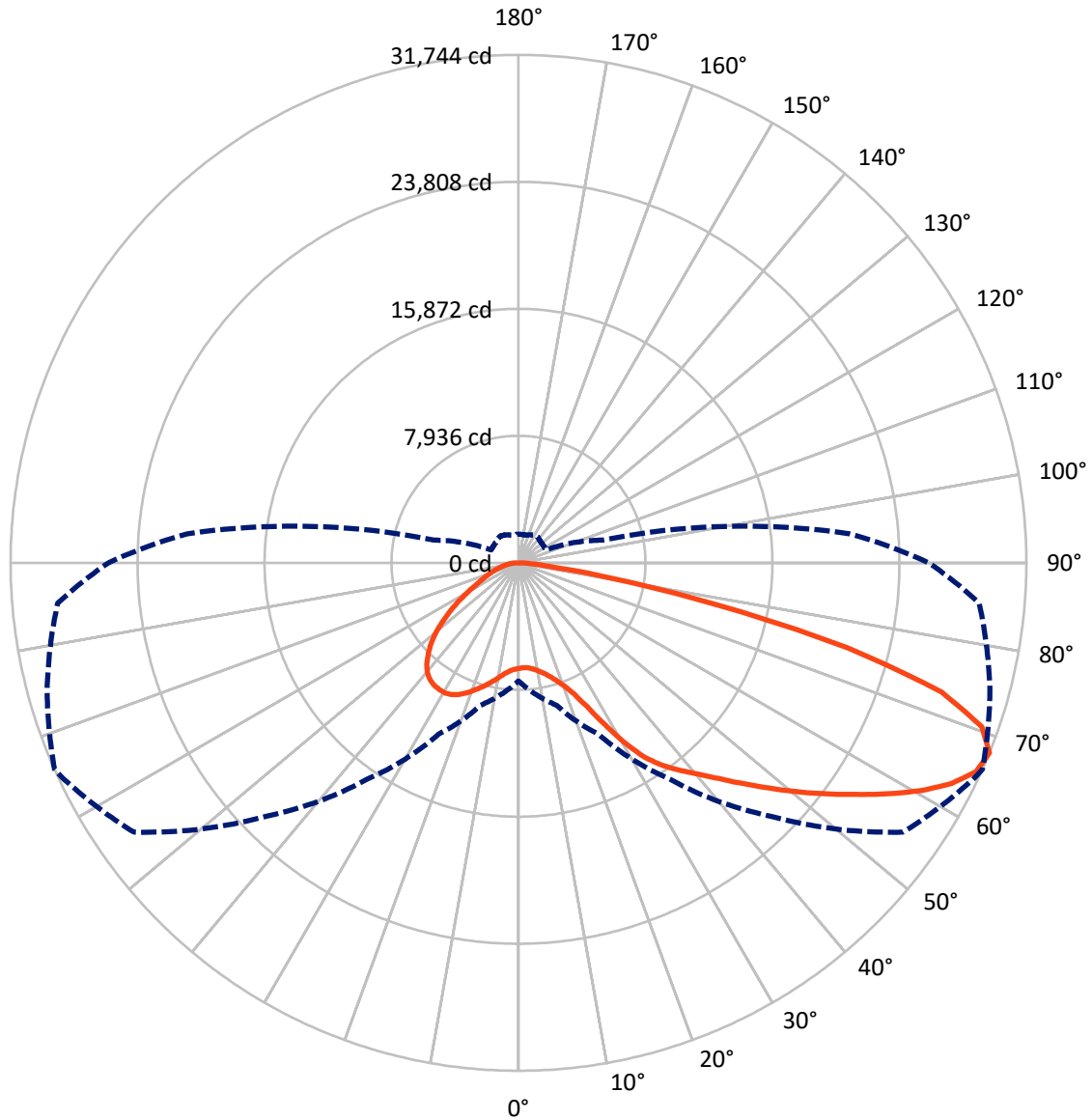
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15 fc
 Type III - Short - N/A

REPORT NUMBER: P850828
CATALOG NUMBER: GLAN-SB8C-735-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850828
 CATALOG NUMBER: GLAN-SB8C-735-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14786.1	0.0	14786.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	44679.9	0.0	44679.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	59466.0	0.0	59466.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.9	1.1
10°-20°	2160.5	3.6
20°-30°	4164.2	7.0
30°-40°	7301.4	12.3
40°-50°	10854.8	18.3
50°-60°	13759.5	23.1
60°-70°	13463.3	22.6
70°-80°	6422.1	10.8
80°-90°	686.4	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°	59466.0	100.0
0°-180°	59466.0	100.0

Coefficient of Utilization

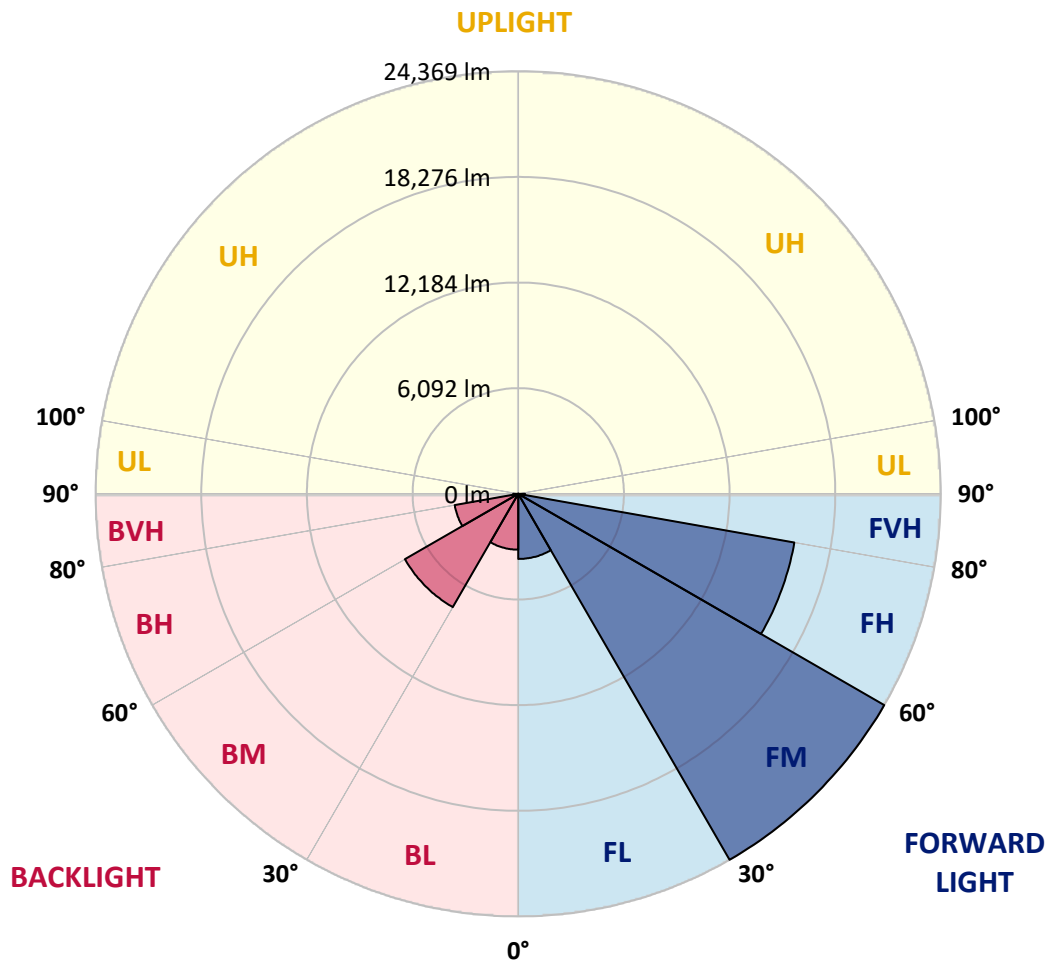


REPORT NUMBER: P850828
 CATALOG NUMBER: GLAN-SB8C-735-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3757.7	6.3			
FM (30°-60°)	24368.7	41.0			
FH (60°-80°)	16164.5	27.2			G5
FVH (80°-90°)	389.1	0.7			G3/500
BL (0°-30°)	3220.9	5.4	B4/5000		
BM (30°-60°)	7547.0	12.7	B4/8500		
BH (60°-80°)	3720.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	297.2	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



REPORT NUMBER: P850828
 CATALOG NUMBER: GLAN-SB8C-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6
2.5°	6526.8	6564.3	6554.9	6539.3	6536.2	6542.5	6551.8	6561.2	6558.1	6573.7
5°	6508.1	6545.6	6542.5	6542.5	6554.9	6579.9	6595.6	6611.2	6595.6	6614.3
7.5°	6520.6	6548.7	6561.2	6573.7	6604.9	6651.8	6689.3	6723.7	6704.9	6726.8
10°	6679.9	6701.8	6714.3	6714.3	6736.2	6789.3	6826.8	6889.3	6873.6	6908.0
12.5°	6970.5	6992.4	6992.4	6979.9	6995.5	7029.9	7042.4	7111.1	7083.0	7139.2
15°	7326.7	7370.4	7336.0	7314.2	7320.4	7354.8	7351.7	7404.8	7376.7	7423.5
17.5°	7720.3	7776.6	7720.3	7717.2	7704.7	7742.2	7745.3	7792.2	7742.2	7776.6
20°	8185.9	8264.0	8217.1	8232.7	8204.6	8220.2	8235.9	8304.6	8226.5	8251.5
22.5°	8842.0	8935.7	8885.7	8945.1	8926.4	8913.9	8910.7	9032.6	8910.7	8920.1
25°	9798.1	9910.5	9823.0	9904.3	9904.3	9944.9	9991.8	10148.0	9944.9	9885.5
27.5°	11210.3	11322.8	11150.9	11200.9	11185.3	11285.3	11235.3	11622.7	11404.0	11307.1
30°	12909.9	13109.9	12785.0	12772.5	12756.8	12916.2	12988.0	13244.2	13022.4	12925.6
32.5°	14747.1	14956.4	14569.0	14456.5	14397.1	14494.0	14434.6	14640.8	14487.7	14337.8
35°	16690.4	16896.6	16528.0	16309.3	16071.8	15868.7	15656.3	15709.4	15565.7	15337.6
37.5°	18527.6	18905.6	18515.1	18280.7	17843.3	17446.5	16852.9	16606.1	16471.7	16262.4
40°	20399.1	20614.7	20317.8	20117.9	19643.0	19021.2	18071.4	17549.6	17368.4	17165.3
42.5°	21776.9	21983.1	21823.8	21686.3	21314.5	20592.8	19364.9	18711.9	18449.5	18221.4
45°	22870.5	23023.6	22923.6	22973.6	22814.2	22114.4	20705.3	19958.5	19686.7	19408.6
47.5°	23311.0	23473.5	23632.8	23929.6	24201.4	23685.9	22145.6	21308.3	21020.8	20736.5
50°	23261.0	23426.6	23889.0	24520.1	25363.7	25191.9	23664.1	22745.5	22479.9	22155.0
52.5°	22861.1	23048.5	23642.2	24692.0	26035.5	26319.8	25210.6	24229.6	23979.6	23592.2
55°	21811.3	21923.8	22814.2	24301.4	26194.8	27107.1	26725.9	25810.5	25560.5	25020.0
57.5°	19864.8	20027.3	21323.9	23248.5	25794.9	27641.4	28056.9	27472.7	27232.1	26454.1
60°	17324.7	17584.0	19068.1	21480.1	24776.3	27638.3	29266.1	29106.7	28906.8	27866.3
62.5°	14450.3	14750.2	16178.0	18980.6	22995.4	26854.0	30022.2	30475.2	30372.1	29169.2
65°	11097.8	11304.0	12725.6	15746.9	20224.1	25170.0	30109.6	31409.4	31428.1	30159.6
67.5°	7389.2	7982.8	9216.9	11816.4	16512.3	22417.4	29341.0	31562.5	31743.7	30500.2
70°	3605.5	4386.6	5595.8	7679.7	11816.4	18196.4	27332.1	30306.5	30709.5	29506.6
72.5°	1496.6	1749.7	2408.9	3789.9	6783.0	12278.8	23295.4	26900.9	27647.6	26144.8
75°	1009.2	1093.5	1377.9	1943.4	3090.0	6055.0	16799.8	20058.5	21261.4	19746.1
77.5°	778.0	831.1	1002.9	1359.1	1837.1	2290.2	8992.0	12088.2	12710.0	11766.4
80°	612.4	653.0	749.9	990.4	1302.9	1224.8	3065.0	5477.0	5836.3	4895.9
82.5°	531.1	546.8	537.4	671.7	865.5	715.5	1006.1	2021.5	2230.8	1618.4
85°	384.3	428.0	446.8	415.5	459.3	362.4	412.4	715.5	787.3	703.0
87.5°	156.2	231.2	284.3	268.7	168.7	103.1	128.1	209.3	240.6	262.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850828
 CATALOG NUMBER: GLAN-SB8C-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6595.6	0°	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6	6595.6
6598.7	2.5°	6601.8	6623.7	6639.3	6658.1	6670.6	6689.3	6726.8	6748.7	6751.8	6767.4
6648.7	5°	6661.2	6692.4	6726.8	6776.8	6833.0	6879.9	6951.7	7001.7	7020.5	7036.1
6770.5	7.5°	6789.3	6833.0	6895.5	6983.0	7064.2	7126.7	7214.2	7273.6	7332.9	7354.8
6964.2	10°	6979.9	7042.4	7133.0	7251.7	7339.2	7420.4	7511.0	7561.0	7620.4	7645.4
7195.4	12.5°	7217.3	7282.9	7401.7	7567.2	7648.5	7704.7	7736.0	7723.5	7736.0	7757.8
7473.5	15°	7489.1	7561.0	7695.3	7873.4	7929.7	7879.7	7810.9	7748.5	7739.1	7745.3
7810.9	17.5°	7810.9	7864.1	8020.3	8170.3	8129.6	7923.4	7773.5	7673.5	7623.5	7607.9
8242.1	20°	8260.9	8260.9	8389.0	8482.7	8210.9	7860.9	7626.6	7464.1	7361.0	7317.3
8829.5	22.5°	8807.6	8757.6	8838.9	8773.3	8195.2	7686.0	7361.0	7079.8	6923.6	6861.1
9651.2	25°	9501.2	9441.9	9420.0	9013.8	8082.8	7407.9	6879.9	6539.3	6401.9	6367.5
10835.3	27.5°	10547.9	10397.9	10113.6	9145.1	7876.6	6970.5	6317.5	6001.9	5923.8	5926.9
12356.9	30°	11941.4	11641.4	10944.7	9166.9	7539.1	6351.9	5742.6	5517.7	5480.2	5495.8
13634.8	32.5°	13231.7	12947.4	11794.5	9066.9	7020.5	5745.7	5227.1	5077.1	5020.9	5039.6
14609.6	35°	14244.0	14165.9	12581.9	8926.4	6383.1	5177.1	4764.7	4636.6	4527.2	4502.2
15528.2	37.5°	15200.1	15168.9	13172.4	8729.5	5752.0	4774.1	4392.9	4224.2	4064.8	3977.3
16543.6	40°	16249.9	16218.7	13559.8	8426.5	5192.7	4424.1	4058.6	3836.7	3639.9	3480.6
17693.4	42.5°	17430.9	17246.6	13744.1	7992.2	4717.8	4127.3	3786.7	3486.8	3227.5	3080.6
18993.1	45°	18721.3	18305.7	13741.0	7439.1	4317.9	3855.5	3496.2	3071.3	2830.7	2693.2
20327.2	47.5°	20089.8	19318.0	13572.3	6826.8	3930.5	3555.5	3046.3	2721.3	2562.0	2477.6
21776.9	50°	21502.0	20264.7	13284.9	6123.8	3533.7	3215.0	2765.1	2543.2	2421.4	2343.3
23214.1	52.5°	22829.8	21123.9	12938.1	5327.1	3130.6	2883.8	2640.1	2468.3	2340.2	2252.7
24607.6	55°	24064.0	21864.4	12447.5	4511.6	2802.6	2662.0	2580.7	2437.0	2290.2	2187.1
26023.0	57.5°	25160.6	22345.6	11600.8	3746.1	2568.2	2508.9	2518.2	2383.9	2215.2	2127.7
27416.4	60°	26072.9	22698.6	10347.9	3036.9	2377.7	2358.9	2421.4	2283.9	2087.1	1987.1
28594.3	62.5°	26619.7	22692.4	8810.8	2487.0	2215.2	2221.4	2293.3	2158.9	1959.0	1865.3
29209.8	65°	26572.8	22136.2	7123.6	2127.7	2059.0	2065.2	2158.9	2021.5	1852.8	1796.5
28900.5	67.5°	25632.4	20780.2	5464.5	1893.4	1887.1	1915.2	2024.6	1927.7	1787.1	1780.9
27057.1	70°	23086.0	17965.2	3936.7	1705.9	1709.0	1749.7	1893.4	1868.4	1752.8	1765.3
22748.6	72.5°	18511.9	13697.3	2643.2	1509.1	1512.2	1577.8	1768.4	1821.5	1718.4	1884.0
16140.5	75°	12328.8	8542.1	1699.7	1299.7	1302.9	1387.2	1659.0	1730.9	1624.7	1877.8
8398.3	77.5°	5923.8	3839.9	1231.0	1093.5	1093.5	1171.6	1434.1	1549.7	1384.1	1459.1
2699.5	80°	2046.5	1443.5	968.6	881.1	862.3	915.4	1209.1	1343.5	1193.5	1099.8
881.1	82.5°	806.1	749.9	778.0	684.2	621.8	656.1	940.4	1109.2	878.0	793.6
496.8	85°	462.4	487.4	549.9	453.0	359.3	403.0	690.5	796.7	662.4	584.3
162.5	87.5°	125.0	171.8	253.1	234.3	162.5	171.8	328.1	440.5	381.2	293.7
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°
6595.6
6764.3
7033.0
7357.9
7657.9
7764.1
7767.2
7629.7
7307.9
6851.8
6373.7
5936.3
5548.9
5064.6
4521.0
3980.5
3496.2
3090.0
2687.0
2458.9
2315.2
2215.2
2146.4
2071.5
1943.4
1837.1
1793.4
1790.3
1762.2
1909.0
1893.4
1337.2
1031.0
790.5
596.8
303.1
0.0

F REPORT)