

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: P851325

Luminaire Tested: **GLAN-SB9B-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851325
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36179 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

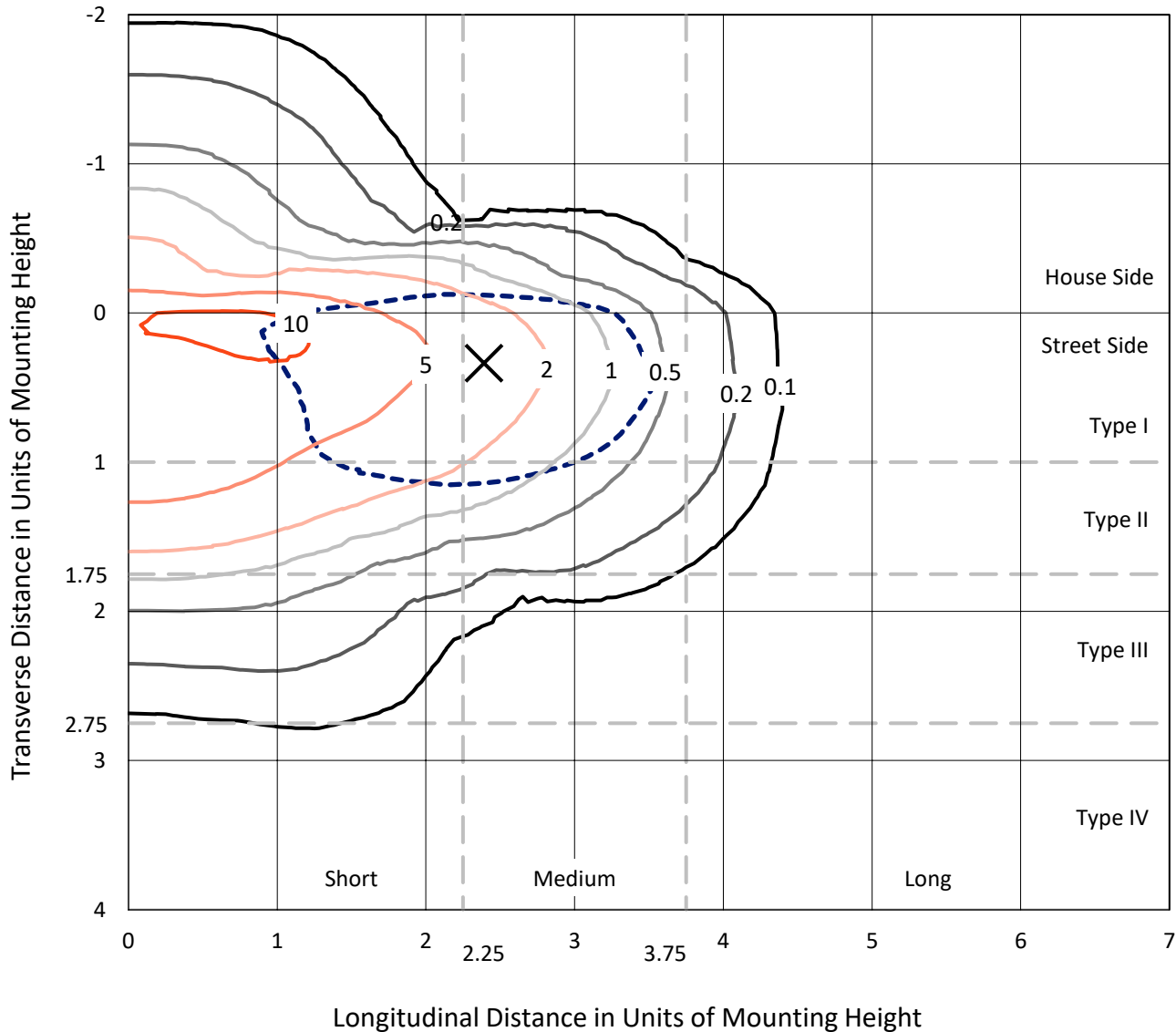
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851325
 CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

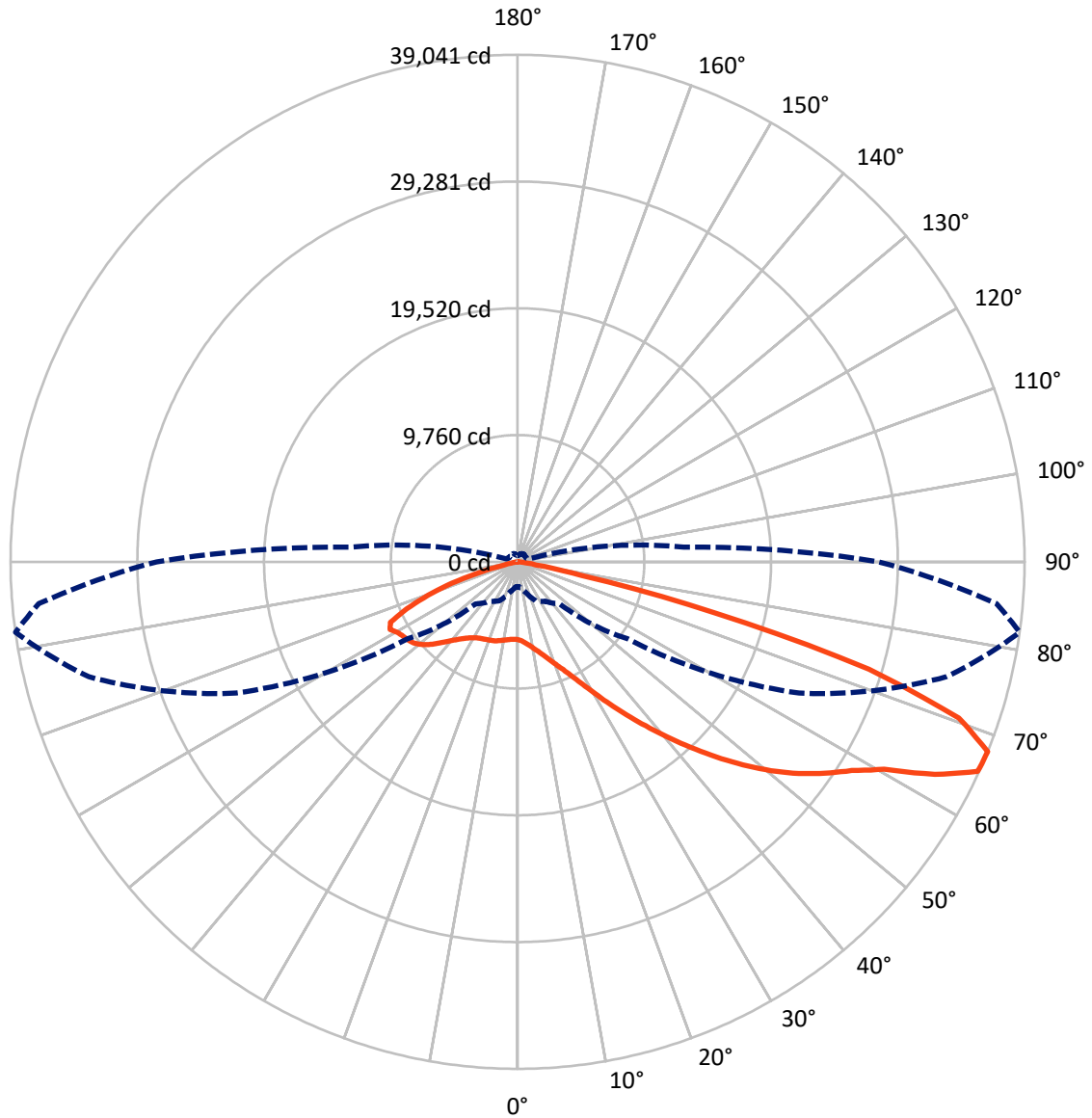
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P851325
CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P851325
 CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6553.5	0.0	6553.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29625.5	0.0	29625.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	36179.0	0.0	36179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	534.0	1.5
10°-20°	1387.6	3.8
20°-30°	2222.5	6.1
30°-40°	3930.1	10.9
40°-50°	6885.9	19.0
50°-60°	9183.9	25.4
60°-70°	8549.7	23.6
70°-80°	3281.4	9.1
80°-90°	203.8	0.6
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°	36179.0	100.0
0°-180°	36179.0	100.0

Coefficient of Utilization

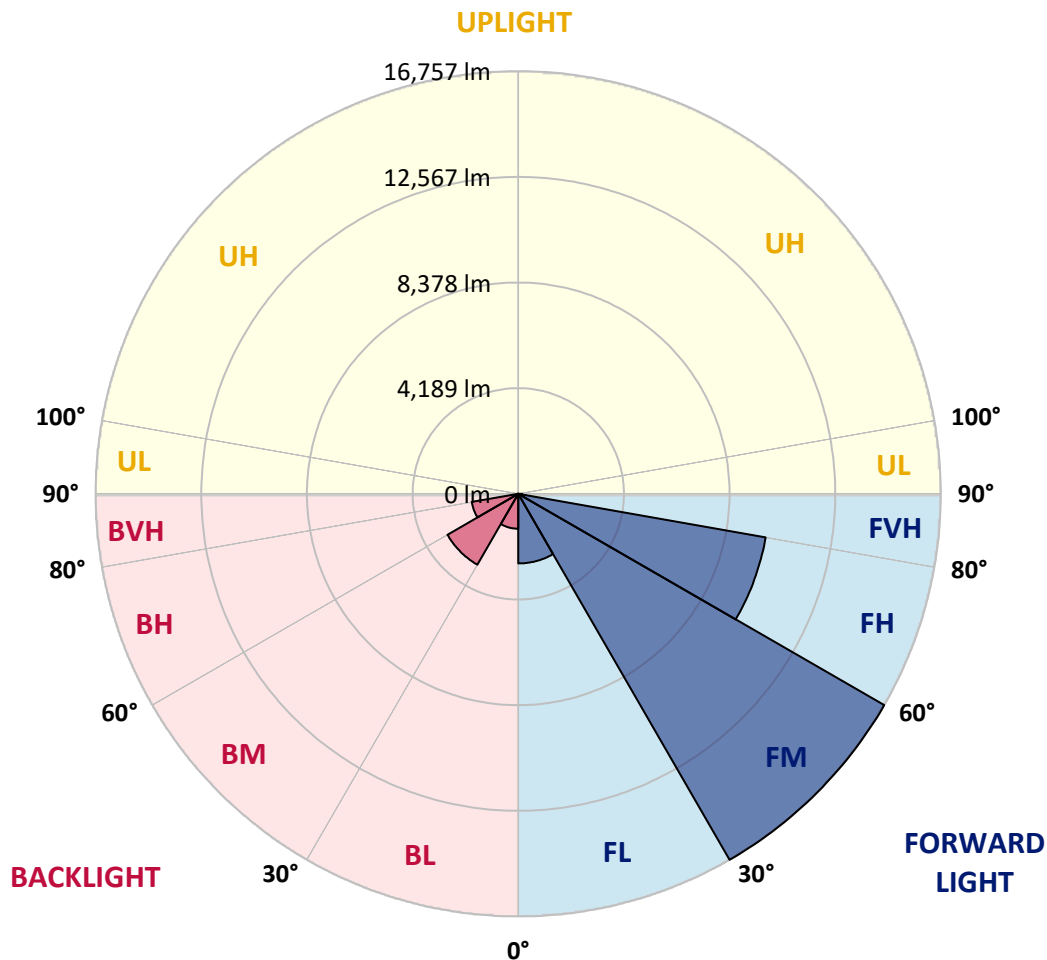


REPORT NUMBER: P851325
 CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2760.1	7.6			
FM (30°-60°)	16756.6	46.3			
FH (60°-80°)	9960.6	27.5			G4/12000
FVH (80°-90°)	148.2	0.4			G2/225
BL (0°-30°)	1384.1	3.8	B3/2500		
BM (30°-60°)	3243.3	9.0	B3/5000		
BH (60°-80°)	1870.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	55.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



REPORT NUMBER: P851325
 CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6
2.5°	6334.9	6371.3	6350.5	6340.1	6321.8	6295.8	6275.0	6209.8	6142.1	6097.8
5°	6462.5	6499.0	6496.4	6506.8	6519.8	6527.6	6522.4	6449.5	6353.1	6277.6
7.5°	6353.1	6394.8	6428.6	6480.7	6571.9	6668.3	6715.2	6699.5	6600.6	6496.4
10°	6043.1	6087.4	6168.2	6290.6	6483.3	6691.7	6866.2	6947.0	6884.5	6769.9
12.5°	5475.3	5519.6	5678.5	5944.1	6267.1	6629.2	6962.6	7178.8	7194.4	7079.8
15°	4837.1	4881.4	5050.7	5384.1	5876.4	6457.3	7014.7	7423.7	7561.7	7462.7
17.5°	4441.2	4480.2	4607.9	4876.2	5389.3	6113.5	6996.5	7684.1	7999.3	7921.2
20°	4321.4	4355.2	4415.1	4602.7	5029.9	5756.6	6876.7	7929.0	8470.8	8426.5
22.5°	4449.0	4480.2	4498.5	4581.8	4850.1	5522.2	6725.6	8179.1	9017.8	9023.0
25°	4743.3	4774.6	4753.8	4805.8	4923.1	5449.2	6668.3	8473.4	9705.5	9762.8
27.5°	5227.8	5230.4	5180.9	5178.3	5196.6	5558.6	6728.2	8788.6	10572.9	10679.7
30°	6199.4	6160.3	5970.2	5764.4	5670.6	5886.8	6894.9	9161.1	11596.6	11786.7
32.5°	7697.2	7639.9	7290.8	6798.5	6303.6	6415.6	7194.4	9585.6	12711.4	13055.2
35°	9322.6	9306.9	8942.3	8210.3	7345.5	7168.4	7681.5	10143.1	13927.8	14474.9
37.5°	10833.3	10825.5	10617.1	9755.0	8702.6	8218.1	8463.0	10872.4	15230.2	16022.1
40°	12213.9	12237.3	12028.9	11257.9	10197.8	9564.8	9525.7	11773.7	16678.5	17707.4
42.5°	13406.9	13432.9	13221.9	12651.5	11674.7	11054.8	10830.7	12878.1	18092.9	19517.7
45°	14217.0	14378.5	14347.2	13891.4	13190.7	12547.3	12398.8	14263.9	19705.3	21437.5
47.5°	14446.2	14594.7	14829.1	14891.6	14464.4	13831.5	14008.6	15933.5	21335.9	23359.8
50°	13881.0	14019.0	14506.1	15154.7	15451.7	15256.3	15574.1	17723.0	23005.6	25276.9
52.5°	12766.1	12906.8	13521.5	14547.8	15759.0	16373.7	17144.8	19486.5	24623.1	27092.5
55°	11153.7	11302.2	12091.5	13253.2	15172.9	16834.8	18455.0	21247.3	26105.3	28725.7
57.5°	8960.5	9069.9	9890.4	11515.8	13698.6	16376.4	19421.4	23169.7	27501.4	30330.2
60°	5840.0	5936.3	6889.7	8702.6	11255.3	14844.7	19614.1	25313.4	29356.1	32416.7
62.5°	3883.8	3948.9	4514.1	5845.2	7926.4	11903.9	18486.2	27024.8	32075.5	36047.8
65°	2664.7	2729.8	3295.1	4222.4	5121.0	7874.3	15243.3	26798.1	34539.6	38931.3
67.5°	1901.5	1956.2	2435.5	3310.7	3706.6	4574.0	10333.2	23901.6	34185.3	39040.7
70°	1362.3	1393.6	1789.5	2578.7	2946.0	2748.1	5746.2	18280.5	29931.7	36050.4
72.5°	953.4	963.8	1242.5	1964.0	2373.0	2005.7	2735.0	12187.8	22638.3	28295.9
75°	646.0	659.0	836.1	1440.5	1904.1	1531.6	1448.3	6535.4	13289.7	15662.6
77.5°	395.9	401.1	539.2	984.6	1424.8	1166.9	932.5	2768.9	5141.9	5048.1
80°	224.0	224.0	343.8	612.1	971.6	752.8	653.8	1177.4	1628.0	1430.0
82.5°	125.0	127.6	250.1	380.3	643.4	445.4	359.5	544.4	703.3	622.5
85°	52.1	57.3	153.7	179.7	307.4	221.4	145.9	229.2	260.5	231.8
87.5°	5.2	7.8	46.9	33.9	36.5	44.3	20.8	44.3	36.5	36.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P851325
 CATALOG NUMBER: GLAN-SB9B-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5993.6	0°	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6	5993.6
6082.2	2.5°	6032.7	5993.6	5894.7	5780.0	5629.0	5556.0	5457.0	5389.3	5332.0	5337.2
6233.3	5°	6149.9	6050.9	5829.5	5553.4	5209.6	4964.7	4704.3	4524.5	4378.7	4347.4
6441.7	7.5°	6311.4	6155.1	5767.0	5269.5	4688.6	4248.4	3855.1	3602.4	3422.7	3365.4
6694.3	10°	6519.8	6293.2	5686.3	4912.6	4076.5	3516.5	3094.5	2896.5	2774.1	2732.4
6991.3	12.5°	6762.1	6452.1	5579.5	4477.6	3446.1	2907.0	2638.7	2539.7	2500.6	2487.6
7355.9	15°	7066.8	6650.0	5418.0	3961.9	2912.2	2534.5	2419.9	2406.8	2412.0	2406.8
7793.6	17.5°	7428.9	6866.2	5154.9	3430.5	2552.7	2344.3	2302.6	2313.1	2326.1	2323.5
8283.3	20°	7824.8	7079.8	4818.9	2959.0	2307.8	2208.9	2185.4	2195.8	2206.3	2201.1
8848.5	22.5°	8275.4	7309.1	4446.4	2591.8	2143.7	2083.8	2057.8	2060.4	2060.4	2050.0
9564.8	25°	8814.6	7561.7	4055.7	2331.3	2018.7	1971.8	1940.6	1930.2	1914.5	1883.3
10434.8	27.5°	9458.0	7830.0	3680.6	2149.0	1919.7	1875.5	1839.0	1812.9	1773.9	1721.8
11479.3	30°	10182.1	8155.6	3362.8	2034.3	1841.6	1797.3	1755.6	1716.6	1659.3	1594.1
12680.1	32.5°	11033.9	8504.7	3131.0	1958.8	1771.3	1724.4	1674.9	1628.0	1565.5	1500.4
14029.4	35°	12049.8	8926.6	2995.5	1906.7	1716.6	1654.0	1599.3	1547.2	1500.4	1443.1
15495.9	37.5°	13151.6	9374.7	2953.8	1880.7	1680.1	1583.7	1521.2	1484.7	1479.5	1445.7
17082.3	40°	14357.6	9906.0	2985.1	1865.0	1641.0	1516.0	1448.3	1440.5	1453.5	1393.6
18778.0	42.5°	15634.0	10536.4	3037.2	1846.8	1586.3	1448.3	1383.1	1383.1	1372.7	1289.4
20570.1	45°	17014.5	11263.1	3089.3	1802.5	1521.2	1380.5	1331.1	1312.8	1268.5	1187.8
22372.6	47.5°	18405.5	12002.9	3128.4	1721.8	1443.1	1323.2	1279.0	1237.3	1172.2	1099.2
24141.3	50°	19726.1	12667.1	3086.7	1601.9	1354.5	1268.5	1221.6	1164.3	1094.0	1044.5
25816.1	52.5°	20906.1	13242.8	2909.6	1461.3	1260.7	1211.2	1169.6	1109.6	1052.3	1000.2
27326.9	55°	21932.4	13709.0	2597.0	1328.4	1177.4	1161.7	1120.1	1044.5	966.4	922.1
28824.7	57.5°	22917.0	14063.3	2206.3	1219.0	1101.8	1107.0	1044.5	976.8	903.9	857.0
30843.4	60°	24227.2	14537.4	1810.3	1117.5	1021.1	1036.7	969.0	919.5	828.3	768.4
34305.2	62.5°	26321.5	15274.5	1437.8	992.4	927.3	932.5	903.9	844.0	734.6	664.2
36870.9	65°	27983.3	15003.6	1133.1	857.0	820.5	828.3	828.3	763.2	646.0	565.2
37008.9	67.5°	27795.8	12846.9	903.9	724.1	718.9	724.1	742.4	687.7	573.1	507.9
34190.6	70°	25605.1	10218.6	724.1	601.7	625.2	612.1	664.2	627.8	515.7	450.6
26506.4	72.5°	20893.1	7361.2	552.2	497.5	479.3	500.1	599.1	565.2	429.8	356.9
14039.9	75°	12208.7	3928.0	411.6	393.3	346.4	416.8	531.4	481.9	328.2	263.1
4303.1	77.5°	3974.9	1370.1	302.2	289.1	257.9	336.0	453.2	406.3	268.3	208.4
1260.7	80°	1065.4	414.2	205.8	190.2	166.7	250.1	359.5	323.0	192.8	135.4
541.8	82.5°	427.2	174.5	119.8	106.8	91.2	171.9	283.9	260.5	143.3	86.0
169.3	85°	138.1	57.3	44.3	33.9	41.7	106.8	169.3	177.1	101.6	44.3
26.0	87.5°	18.2	7.8	7.8	10.4	7.8	18.2	52.1	49.5	28.7	5.2
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°
5993.6
5285.1
4277.1
3308.1
2701.2
2479.8
2404.2
2318.3
2198.4
2044.8
1878.1
1716.6
1588.9
1503.0
1437.8
1443.1
1396.2
1289.4
1185.2
1096.6
1036.7
995.0
916.9
851.8
760.6
659.0
557.4
497.5
442.8
349.0
255.3
200.6
132.8
86.0
33.9
0.0
0.0

F REPORT)