

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: P850885

Luminaire Tested: **GLAN-SB8C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850885
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-SB8C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 615mA 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: 36614 lumens
Efficiency: N/A
Efficacy: 91.6 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

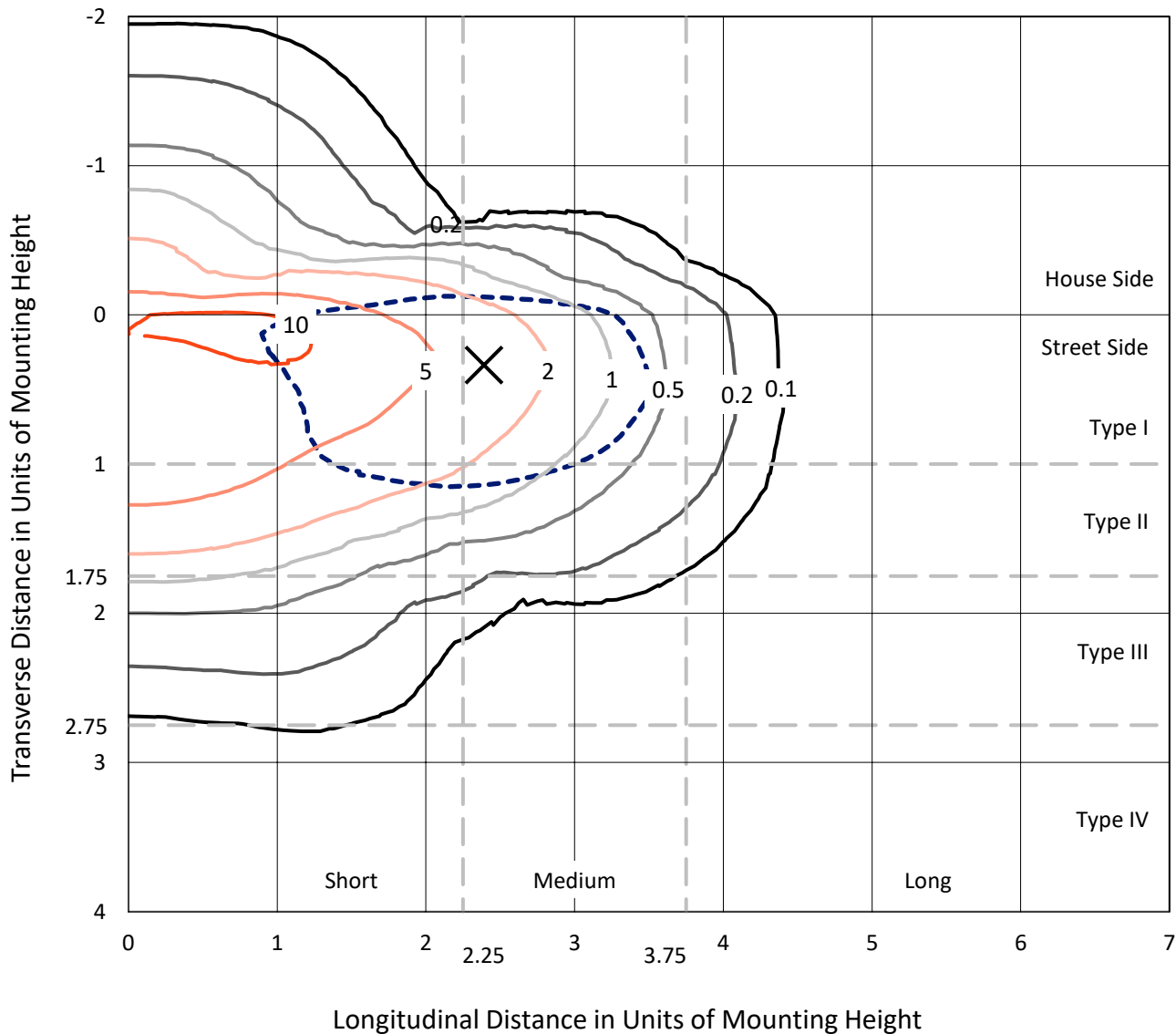
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P850885
 CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

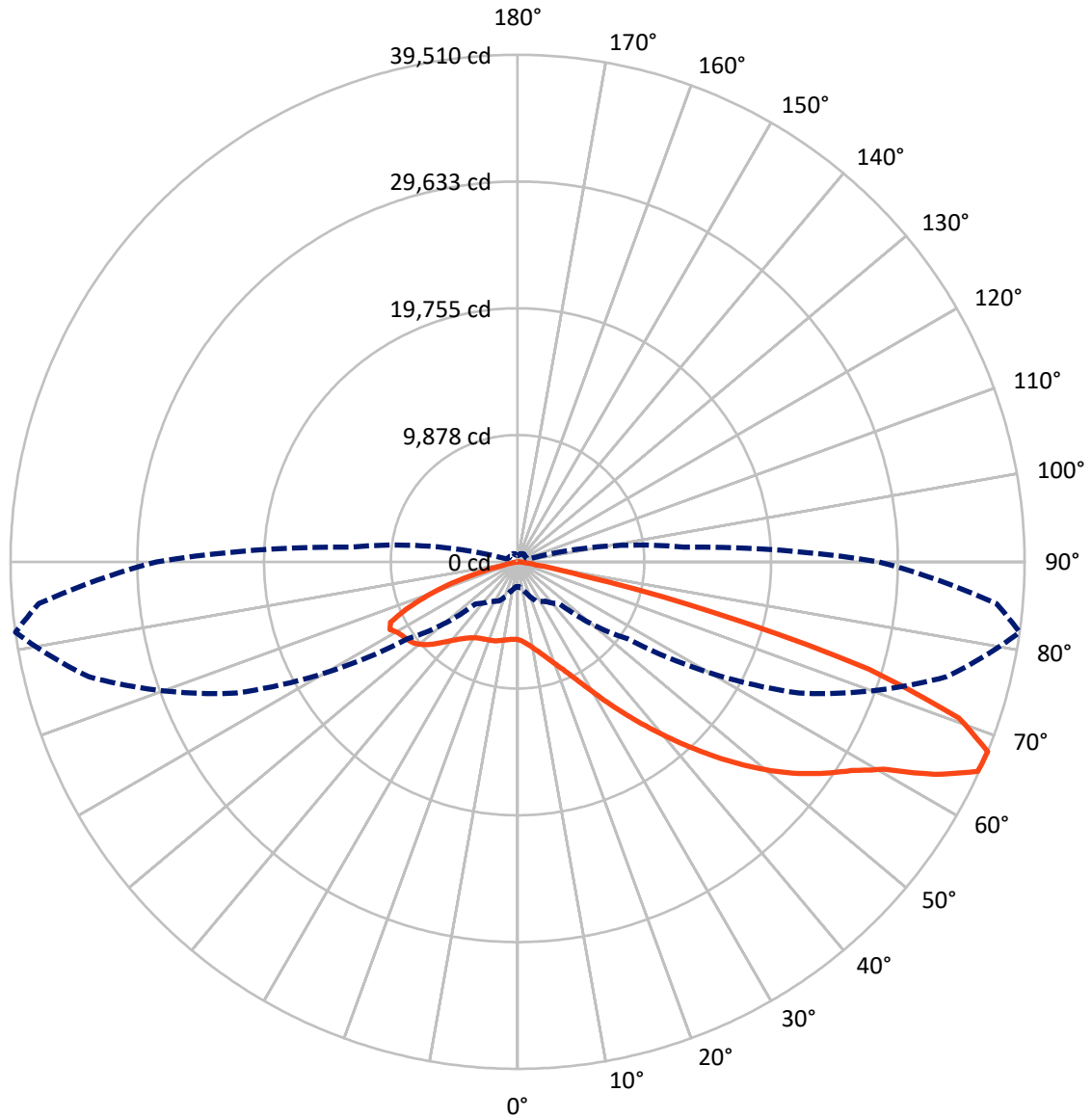
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P850885
CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P850885
 CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6632.3	0.0	6632.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29981.7	0.0	29981.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	36614.0	0.0	36614.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.4	1.5
10°-20°	1404.3	3.8
20°-30°	2249.2	6.1
30°-40°	3977.4	10.9
40°-50°	6968.7	19.0
50°-60°	9294.3	25.4
60°-70°	8652.5	23.6
70°-80°	3320.8	9.1
80°-90°	206.3	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°	36614.0	100.0
0°-180°	36614.0	100.0

Coefficient of Utilization

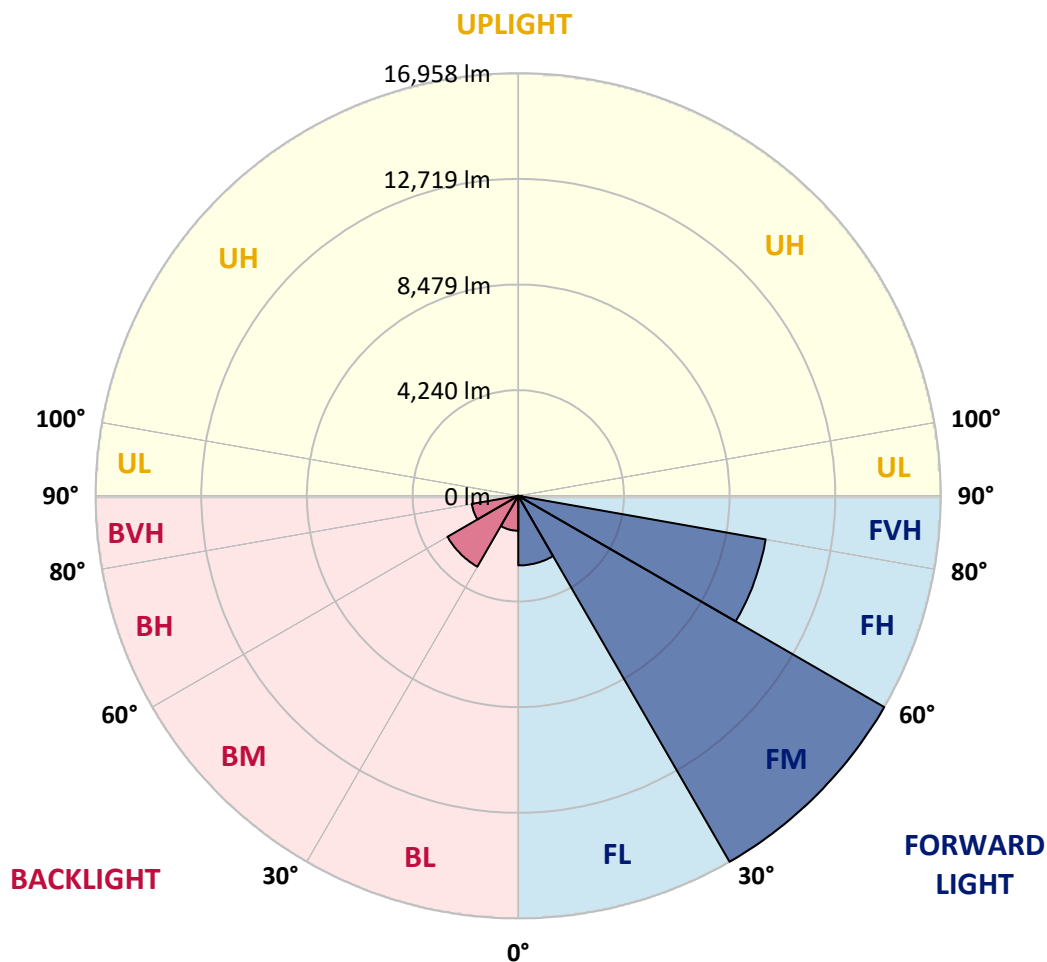


REPORT NUMBER: P850885
 CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2793.2	7.6			
FM (30°-60°)	16958.1	46.3			
FH (60°-80°)	10080.4	27.5			G4/12000
FVH (80°-90°)	150.0	0.4			G2/225
BL (0°-30°)	1400.7	3.8	B3/2500		
BM (30°-60°)	3282.3	9.0	B3/5000		
BH (60°-80°)	1893.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	56.3	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: P850885
 CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7
2.5°	6411.0	6447.9	6426.8	6416.3	6397.9	6371.5	6350.4	6284.5	6216.0	6171.1
5°	6540.2	6577.1	6574.5	6585.0	6598.2	6606.1	6600.8	6527.0	6429.5	6353.0
7.5°	6429.5	6471.7	6505.9	6558.7	6650.9	6748.5	6795.9	6780.1	6679.9	6574.5
10°	6115.8	6160.6	6242.3	6366.2	6561.3	6772.2	6948.8	7030.5	6967.3	6851.3
12.5°	5541.1	5585.9	5746.7	6015.6	6342.5	6708.9	7046.3	7265.1	7280.9	7165.0
15°	4895.3	4940.1	5111.4	5448.8	5947.1	6534.9	7099.1	7512.9	7652.6	7552.5
17.5°	4494.6	4534.1	4663.3	4934.8	5454.1	6187.0	7080.6	7776.5	8095.5	8016.4
20°	4373.3	4407.6	4468.2	4658.0	5090.3	5825.8	6959.3	8024.3	8572.6	8527.8
22.5°	4502.5	4534.1	4552.6	4636.9	4908.4	5588.6	6806.4	8277.4	9126.2	9131.5
25°	4800.4	4832.0	4810.9	4863.6	4982.3	5514.8	6748.5	8575.3	9822.2	9880.2
27.5°	5290.7	5293.3	5243.2	5240.6	5259.0	5625.5	6809.1	8894.3	10700.0	10808.1
30°	6274.0	6234.4	6042.0	5833.7	5738.8	5957.6	6977.8	9271.2	11736.0	11928.4
32.5°	7789.7	7731.7	7378.5	6880.3	6379.4	6492.8	7280.9	9700.9	12864.2	13212.2
35°	9434.7	9418.8	9049.8	8309.0	7433.8	7254.6	7773.9	10265.0	14095.3	14648.9
37.5°	10963.6	10955.7	10744.8	9872.3	8807.3	8316.9	8564.7	11003.1	15413.4	16214.7
40°	12360.7	12384.5	12173.6	11393.3	10320.4	9679.8	9640.3	11915.2	16879.0	17920.3
42.5°	13568.1	13594.4	13380.9	12803.6	11815.1	11187.7	10961.0	13033.0	18310.5	19752.4
45°	14387.9	14551.4	14519.7	14058.4	13349.3	12698.2	12547.9	14435.4	19942.2	21695.2
47.5°	14619.9	14770.2	15007.4	15070.7	14638.3	13997.8	14177.0	16125.1	21592.4	23640.7
50°	14047.9	14187.6	14680.5	15336.9	15637.4	15439.7	15761.3	17936.1	23282.2	25580.9
52.5°	12919.6	13062.0	13684.1	14722.7	15948.5	16570.6	17350.9	19720.8	24919.2	27418.2
55°	11287.8	11438.1	12236.8	13412.6	15355.4	17037.2	18676.9	21502.8	26419.1	29071.1
57.5°	9068.2	9179.0	10009.3	11654.3	13863.3	16573.3	19654.9	23448.2	27832.1	30694.9
60°	5910.2	6007.7	6972.5	8807.3	11390.7	15023.2	19849.9	25617.8	29709.0	32806.5
62.5°	3930.4	3996.4	4568.4	5915.4	8021.7	12047.0	18708.5	27349.7	32461.1	36481.2
65°	2696.7	2762.6	3334.7	4273.1	5182.6	7969.0	15426.5	27120.4	34954.9	39399.4
67.5°	1924.4	1979.7	2464.8	3350.5	3751.2	4629.0	10457.5	24189.0	34596.4	39510.1
70°	1378.7	1410.3	1811.0	2609.8	2981.4	2781.1	5815.3	18500.3	30291.6	36483.8
72.5°	964.8	975.4	1257.4	1987.6	2401.5	2029.8	2767.9	12334.4	22910.5	28636.1
75°	653.8	666.9	846.2	1457.8	1927.0	1550.0	1465.7	6614.0	13449.5	15851.0
77.5°	400.7	406.0	545.7	996.5	1442.0	1181.0	943.7	2802.2	5203.7	5108.8
80°	226.7	226.7	348.0	619.5	983.3	761.8	661.7	1191.5	1647.6	1447.2
82.5°	126.5	129.2	253.1	384.9	651.1	450.8	363.8	550.9	711.8	630.0
85°	52.7	58.0	155.5	181.9	311.1	224.1	147.6	232.0	263.6	234.6
87.5°	5.3	7.9	47.5	34.3	36.9	44.8	21.1	44.8	36.9	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850885
 CATALOG NUMBER: GLAN-SB8C-835-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6065.7	0°	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7	6065.7
6155.3	2.5°	6105.2	6065.7	5965.5	5849.5	5696.6	5622.8	5522.7	5454.1	5396.1	5401.4
6308.2	5°	6223.9	6123.7	5899.6	5620.2	5272.2	5024.4	4760.8	4578.9	4431.3	4399.7
6519.1	7.5°	6387.3	6229.1	5836.4	5332.9	4745.0	4299.5	3901.5	3645.7	3463.9	3405.9
6774.8	10°	6598.2	6368.9	5754.6	4971.7	4125.5	3558.8	3131.7	2931.4	2807.5	2765.3
7075.3	12.5°	6843.4	6529.7	5646.6	4531.5	3487.6	2941.9	2670.4	2570.2	2530.7	2517.5
7444.4	15°	7151.8	6730.0	5483.1	4009.5	2947.2	2564.9	2449.0	2435.8	2441.0	2435.8
7887.3	17.5°	7518.2	6948.8	5216.9	3471.8	2583.4	2372.5	2330.3	2340.9	2354.1	2351.4
8382.8	20°	7918.9	7165.0	4876.8	2994.6	2335.6	2235.4	2211.7	2222.2	2232.8	2227.5
8954.9	22.5°	8374.9	7396.9	4499.8	2622.9	2169.5	2108.9	2082.5	2085.2	2085.2	2074.6
9679.8	25°	8920.6	7652.6	4104.4	2359.3	2043.0	1995.5	1963.9	1953.4	1937.5	1905.9
10560.3	27.5°	9571.7	7924.2	3724.8	2174.8	1942.8	1898.0	1861.1	1834.7	1795.2	1742.5
11617.4	30°	10304.6	8253.7	3403.2	2058.8	1863.7	1818.9	1776.7	1737.2	1679.2	1613.3
12832.6	32.5°	11166.6	8606.9	3168.6	1982.4	1792.6	1745.1	1695.0	1647.6	1584.3	1518.4
14198.1	35°	12194.7	9034.0	3031.5	1929.6	1737.2	1673.9	1618.6	1565.9	1518.4	1460.4
15682.2	37.5°	13309.7	9487.4	2989.4	1903.3	1700.3	1602.8	1539.5	1502.6	1497.3	1463.0
17287.6	40°	14530.3	10025.1	3021.0	1887.5	1660.8	1534.2	1465.7	1457.8	1471.0	1410.3
19003.8	42.5°	15822.0	10663.1	3073.7	1869.0	1605.4	1465.7	1399.8	1399.8	1389.2	1304.9
20817.4	45°	17219.1	11398.6	3126.4	1824.2	1539.5	1397.1	1347.1	1328.6	1283.8	1202.1
22641.6	47.5°	18626.8	12147.2	3166.0	1742.5	1460.4	1339.1	1294.3	1252.2	1186.3	1112.4
24431.5	50°	19963.3	12819.4	3123.8	1621.2	1370.8	1283.8	1236.3	1178.3	1107.2	1057.1
26126.5	52.5°	21157.5	13402.0	2944.5	1478.9	1275.9	1225.8	1183.6	1123.0	1065.0	1012.3
27655.5	55°	22196.1	13873.9	2628.2	1344.4	1191.5	1175.7	1133.5	1057.1	978.0	933.2
29171.2	57.5°	23192.5	14232.4	2232.8	1233.7	1115.1	1120.3	1057.1	988.5	914.7	867.3
31214.2	60°	24518.5	14712.2	1832.1	1130.9	1033.4	1049.2	980.6	930.5	838.3	777.7
34717.6	62.5°	26637.9	15458.2	1455.1	1004.4	938.5	943.7	914.7	854.1	743.4	672.2
37314.2	65°	28319.8	15184.0	1146.7	867.3	830.4	838.3	838.3	772.4	653.8	572.0
37453.9	67.5°	28130.0	13001.3	914.7	732.8	727.6	732.8	751.3	695.9	579.9	514.0
34601.6	70°	25913.0	10341.5	732.8	608.9	632.7	619.5	672.2	635.3	522.0	456.0
26825.1	72.5°	21144.3	7449.7	558.9	503.5	485.0	506.1	606.3	572.0	435.0	361.1
14208.7	75°	12355.5	3975.3	416.5	398.1	350.6	421.8	537.8	487.7	332.2	266.2
4354.9	77.5°	4022.7	1386.6	305.8	292.6	261.0	340.1	458.7	411.2	271.5	210.9
1275.9	80°	1078.2	419.1	208.3	192.4	168.7	253.1	363.8	326.9	195.1	137.1
548.3	82.5°	432.3	176.6	121.3	108.1	92.3	174.0	287.3	263.6	145.0	87.0
171.3	85°	139.7	58.0	44.8	34.3	42.2	108.1	171.3	179.3	102.8	44.8
26.4	87.5°	18.5	7.9	7.9	10.5	7.9	18.5	52.7	50.1	29.0	5.3
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°
6065.7
5348.7
4328.5
3347.9
2733.7
2509.6
2433.1
2346.1
2224.9
2069.4
1900.6
1737.2
1608.0
1521.0
1455.1
1460.4
1413.0
1304.9
1199.4
1109.8
1049.2
1007.0
927.9
862.0
769.7
666.9
564.1
503.5
448.1
353.2
258.3
203.0
134.4
87.0
34.3
0.0
0.0

F REPORT)