

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: P847566

Luminaire Tested: **GLAN-SB3D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847566
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-SB3D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23657 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

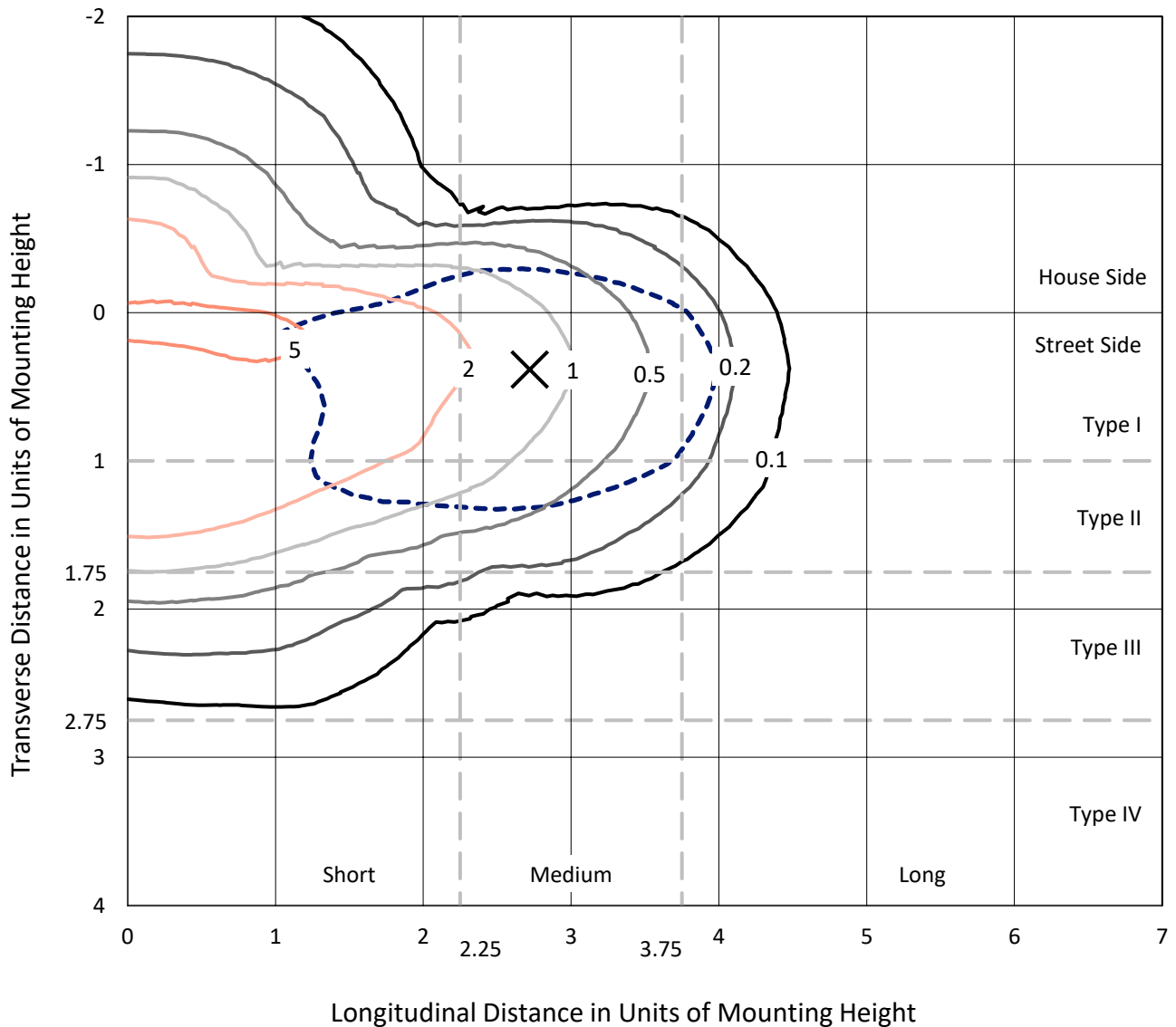
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847566
 CATALOG NUMBER: GLAN-SB3D-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

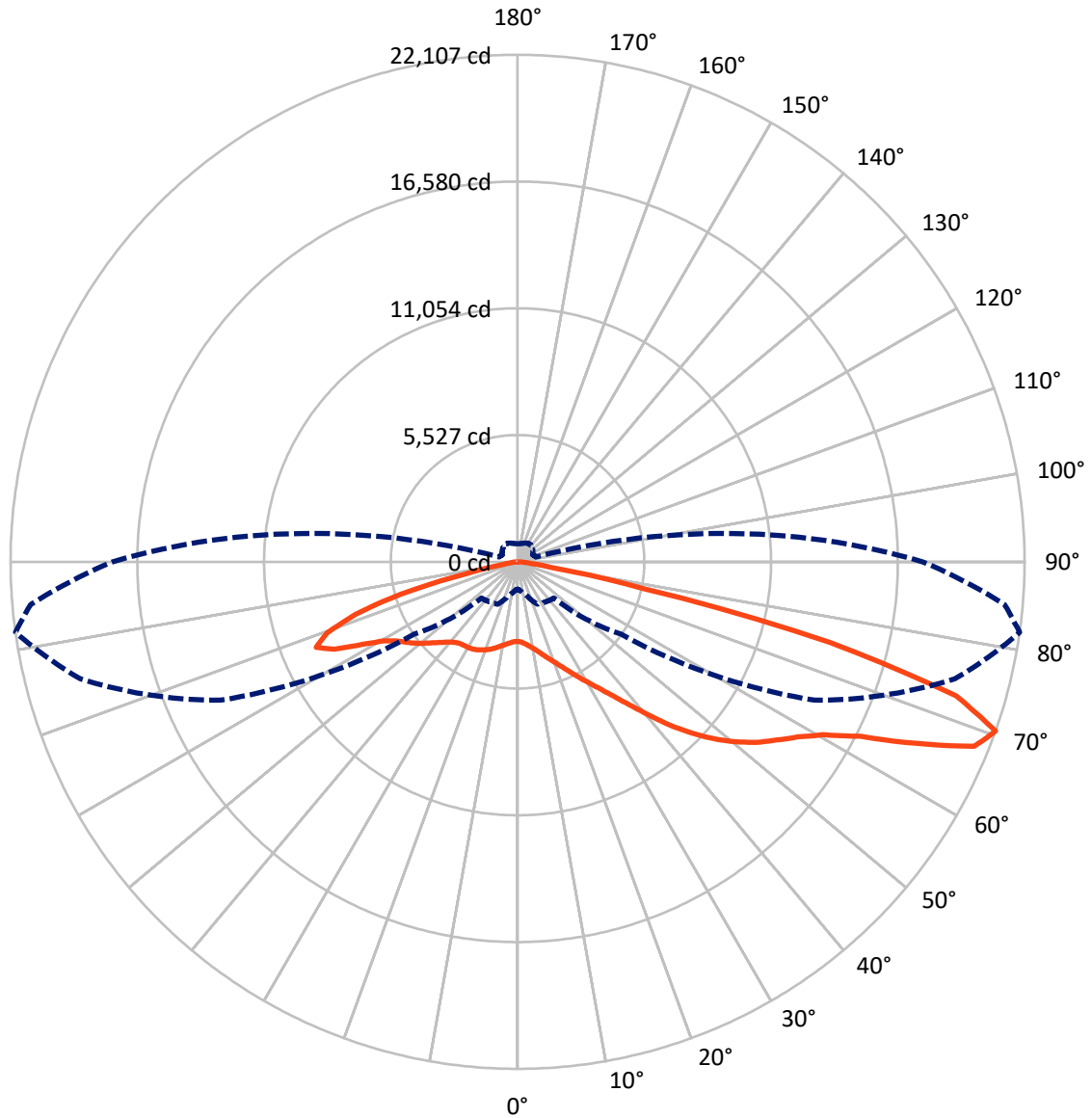
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P847566
CATALOG NUMBER: GLAN-SB3D-722-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847566
 CATALOG NUMBER: GLAN-SB3D-722-U-T2

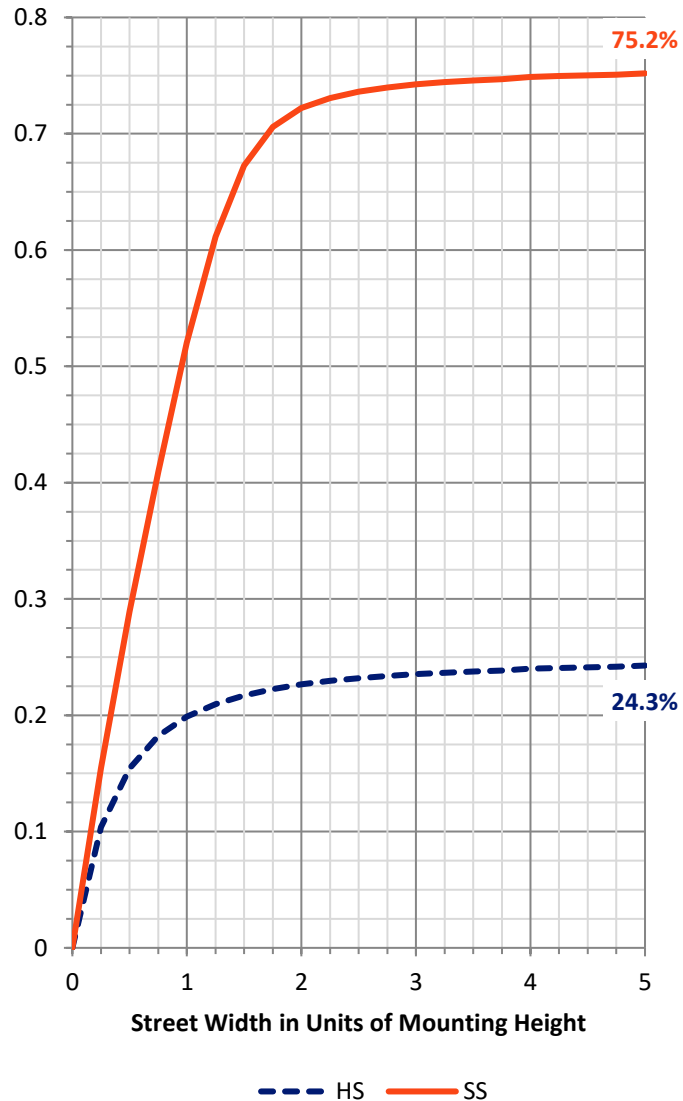
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5832.0	0.0	5832.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17825.0	0.0	17825.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	23657.0	0.0	23657.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.4
10°-20°	940.9	4.0
20°-30°	1574.0	6.7
30°-40°	2459.0	10.4
40°-50°	3916.2	16.6
50°-60°	5449.8	23.0
60°-70°	5700.8	24.1
70°-80°	2979.5	12.6
80°-90°	309.4	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°	23657.0	100.0
0°-180°	23657.0	100.0

Coefficient of Utilization

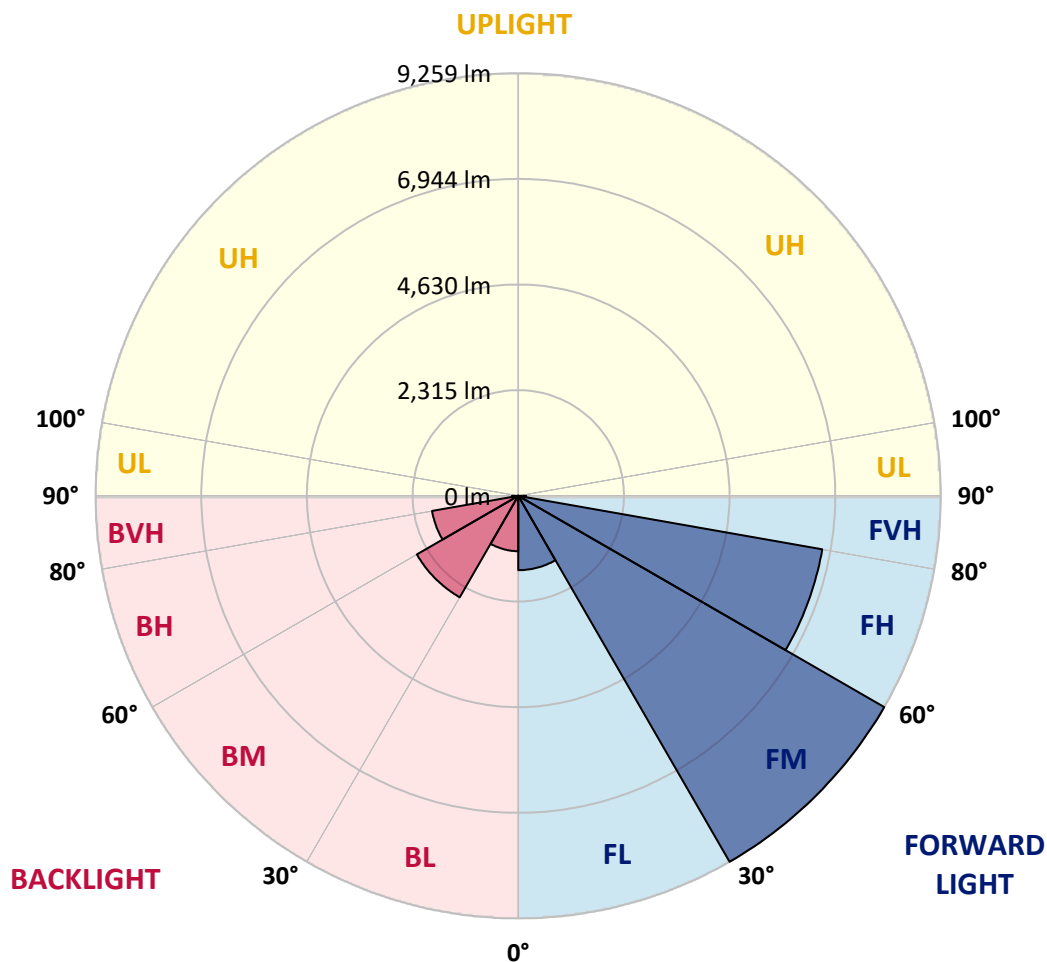


REPORT NUMBER: P847566
 CATALOG NUMBER: GLAN-SB3D-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.0	6.9			
FM (30°-60°)	9259.1	39.1			
FH (60°-80°)	6763.6	28.6			G3/7500
FVH (80°-90°)	173.2	0.7			G2/225
BL (0°-30°)	1213.3	5.1	B3/2500		
BM (30°-60°)	2565.9	10.8	B3/5000		
BH (60°-80°)	1916.7	8.1	B3/2500		G3/2500
BVH (80°-90°)	136.2	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: P847566
 CATALOG NUMBER: GLAN-SB3D-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4
2.5°	3551.3	3571.3	3565.1	3558.8	3558.8	3550.0	3548.8	3536.2	3526.2	3509.8
5°	3596.5	3617.8	3615.3	3620.3	3636.6	3640.4	3644.2	3636.6	3616.5	3596.5
7.5°	3556.3	3580.1	3587.7	3617.8	3668.0	3713.2	3747.1	3760.9	3742.1	3713.2
10°	3420.7	3447.1	3473.4	3545.0	3634.1	3740.8	3831.2	3885.2	3881.4	3853.8
12.5°	3145.8	3173.4	3229.9	3369.2	3532.4	3720.7	3888.9	4001.9	4040.8	4020.7
15°	2926.1	2950.0	2992.7	3135.8	3347.9	3634.1	3910.3	4130.0	4229.1	4217.8
17.5°	2919.8	2929.9	2956.2	3024.0	3187.2	3498.5	3887.7	4255.5	4445.0	4443.8
20°	3030.3	3034.1	3049.1	3062.9	3155.8	3395.6	3829.9	4359.7	4687.3	4687.3
22.5°	3183.5	3180.9	3196.0	3183.5	3228.6	3386.8	3793.5	4451.3	4957.2	4977.3
25°	3413.2	3400.6	3396.9	3368.0	3376.8	3468.4	3833.7	4555.5	5277.3	5318.7
27.5°	3719.5	3699.4	3685.6	3619.0	3596.5	3636.6	3956.7	4681.0	5633.8	5705.4
30°	4118.7	4082.3	4062.2	3946.7	3865.1	3871.4	4142.5	4848.0	6006.6	6122.1
32.5°	4663.5	4607.0	4553.0	4363.4	4214.1	4165.1	4382.3	5079.0	6410.9	6595.4
35°	5273.5	5228.4	5170.6	4878.1	4648.4	4535.4	4706.1	5401.6	6884.1	7176.6
37.5°	5861.0	5822.1	5849.7	5455.6	5159.3	4994.9	5130.4	5834.7	7467.8	7899.6
40°	6468.6	6438.5	6442.2	6065.6	5720.4	5535.9	5645.1	6378.2	8136.9	8759.5
42.5°	7128.9	7106.3	7031.0	6697.1	6309.2	6137.2	6237.6	7005.9	8854.9	9738.7
45°	7868.3	7854.5	7784.2	7401.3	6956.9	6763.6	6899.2	7698.8	9576.7	10660.1
47.5°	8507.2	8518.5	8509.7	8187.1	7726.4	7442.7	7604.6	8421.9	10248.3	11526.2
50°	8814.8	8873.8	8960.4	8860.0	8573.7	8285.0	8316.4	9119.8	10888.5	12338.4
52.5°	8654.1	8765.8	9001.8	9162.5	9272.9	9212.7	9128.6	9812.7	11491.1	13071.5
55°	8055.3	8212.2	8603.9	8991.8	9555.4	9993.5	10104.0	10581.0	12078.6	13716.7
57.5°	6964.4	7219.3	7570.8	8355.3	9304.3	10371.3	11241.3	11646.7	12701.2	14405.9
60°	5094.0	5435.5	5872.3	7039.8	8425.6	10169.2	12209.1	13283.7	13586.2	15298.4
62.5°	3260.0	3470.9	3872.6	4972.3	6565.3	9133.6	12505.4	15329.8	15086.3	16762.1
65°	2231.9	2367.5	2735.3	3352.9	4244.2	6798.7	11712.0	16863.8	17468.8	19081.9
67.5°	1621.9	1724.8	2038.6	2579.7	2765.4	4023.3	9088.4	16793.5	19784.9	21472.0
70°	1182.5	1255.3	1518.9	2038.6	2127.7	2238.2	5505.8	14275.3	19734.7	22107.2
72.5°	876.2	926.4	1103.4	1581.7	1722.3	1511.4	2725.3	10375.1	16957.9	19995.8
75°	633.9	671.6	802.1	1210.1	1378.3	1151.1	1359.5	6063.1	11828.8	14065.7
77.5°	484.5	513.4	598.8	886.2	1103.4	863.7	843.6	2789.3	5608.7	5636.3
80°	389.1	408.0	454.4	623.9	846.1	646.5	549.8	1126.0	1772.5	1500.1
82.5°	286.2	317.6	384.1	438.1	605.1	445.6	335.2	568.7	674.1	580.0
85°	163.2	184.5	232.2	313.8	386.6	272.4	192.1	252.3	313.8	257.3
87.5°	57.7	75.3	81.6	123.0	168.2	113.0	74.1	72.8	102.9	76.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847566
 CATALOG NUMBER: GLAN-SB3D-722-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3468.4	0°	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4	3468.4
3506.1	2.5°	3493.5	3487.2	3462.1	3428.2	3393.1	3359.2	3347.9	3324.1	3307.7	3298.9
3587.7	5°	3563.8	3543.7	3484.7	3409.4	3330.3	3245.0	3184.7	3129.5	3089.3	3051.7
3699.4	7.5°	3664.2	3629.1	3527.4	3395.6	3255.0	3113.2	3007.7	2927.4	2873.4	2838.2
3829.9	10°	3781.0	3727.0	3571.3	3374.3	3157.1	2953.7	2829.5	2760.4	2726.5	2707.7
3979.3	12.5°	3915.3	3838.7	3616.5	3325.3	3007.7	2775.5	2690.1	2670.0	2671.3	2672.5
4167.6	15°	4081.0	3974.3	3652.9	3218.6	2813.1	2638.7	2623.6	2656.2	2690.1	2706.4
4381.0	17.5°	4268.0	4117.4	3659.2	3042.9	2622.3	2550.8	2598.5	2668.8	2720.2	2742.8
4619.5	20°	4468.9	4263.0	3614.0	2794.3	2465.4	2479.2	2564.6	2655.0	2711.5	2740.3
4891.9	22.5°	4698.6	4418.7	3506.1	2533.2	2337.4	2401.4	2501.8	2589.7	2648.7	2677.6
5212.0	25°	4961.0	4593.2	3336.6	2313.5	2226.9	2313.5	2414.0	2486.8	2534.5	2560.8
5569.8	27.5°	5252.2	4775.2	3110.6	2139.0	2130.3	2223.1	2306.0	2362.5	2387.6	2407.7
5950.2	30°	5544.7	4940.9	2837.0	2007.2	2046.1	2134.0	2193.0	2218.1	2225.7	2229.4
6374.4	32.5°	5861.0	5084.0	2549.5	1898.0	1965.8	2047.4	2082.6	2093.9	2058.7	2034.9
6889.1	35°	6243.9	5237.1	2268.3	1811.4	1886.7	1957.0	1968.3	1958.3	1916.9	1867.9
7534.3	37.5°	6717.1	5427.9	2043.6	1749.9	1812.7	1859.1	1845.3	1842.8	1846.6	1788.8
8310.1	40°	7297.1	5676.5	1879.2	1702.2	1752.4	1762.5	1723.5	1744.9	1763.7	1675.8
9161.2	42.5°	7941.1	5976.5	1775.0	1669.6	1702.2	1678.3	1618.1	1641.9	1639.4	1523.9
10016.1	45°	8597.6	6302.9	1738.6	1645.7	1655.7	1608.0	1541.5	1547.8	1495.1	1390.9
10835.8	47.5°	9250.4	6653.1	1761.2	1625.6	1598.0	1544.0	1492.6	1464.9	1387.1	1309.3
11621.6	50°	9890.6	7020.9	1844.0	1585.5	1518.9	1487.5	1449.9	1400.9	1318.1	1251.5
12364.8	52.5°	10484.3	7391.2	1936.9	1518.9	1419.8	1438.6	1414.7	1358.2	1276.6	1208.9
13067.7	55°	11046.7	7761.6	1973.3	1427.3	1326.9	1395.9	1382.1	1277.9	1180.0	1124.8
13803.4	57.5°	11659.3	8207.2	1933.2	1310.5	1251.5	1346.9	1294.2	1178.7	1122.2	1080.8
14761.1	60°	12507.9	8906.4	1846.6	1166.2	1180.0	1274.1	1183.8	1136.1	1074.5	1028.1
16197.2	62.5°	13917.6	10210.7	1707.2	1023.1	1095.9	1166.2	1131.0	1083.3	1020.6	975.4
18652.6	65°	16001.4	12023.3	1444.9	911.4	1001.7	1060.7	1074.5	1026.8	961.6	913.9
20804.2	67.5°	17758.8	13160.6	1093.4	818.5	905.1	975.4	1014.3	967.8	898.8	852.4
21307.6	70°	17662.2	12334.6	834.8	726.8	819.7	891.3	941.5	905.1	831.0	787.1
19354.3	72.5°	15687.6	10318.6	675.4	633.9	733.1	803.4	863.7	836.0	760.7	718.0
14178.7	75°	11525.0	7324.7	539.8	539.8	625.1	711.8	778.3	760.7	691.7	661.5
5952.7	77.5°	4858.0	3073.0	423.0	448.1	519.7	611.3	694.2	700.5	640.2	677.9
1574.2	80°	1291.7	847.3	322.6	352.7	408.0	504.6	603.8	601.3	536.0	500.9
585.0	82.5°	492.1	333.9	229.7	248.6	295.0	386.6	478.3	493.3	428.1	370.3
229.7	85°	189.6	143.1	141.8	149.4	172.0	256.1	361.5	374.1	322.6	273.7
64.0	87.5°	49.0	42.7	52.7	50.2	79.1	136.8	207.1	214.7	197.1	114.2
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°
3468.4
3309.0
3066.7
2845.8
2712.7
2675.1
2705.2
2747.9
2747.9
2685.1
2568.4
2415.2
2238.2
2042.4
1870.4
1792.6
1678.3
1522.7
1394.6
1309.3
1246.5
1210.1
1119.7
1077.1
1025.6
975.4
916.4
853.6
790.8
718.0
652.8
615.1
465.7
370.3
282.4
163.2
0.0

F REPORT)