

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: P849346

Luminaire Tested: **GLAN-SB6B-830-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849346
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-SB6B-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29052 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

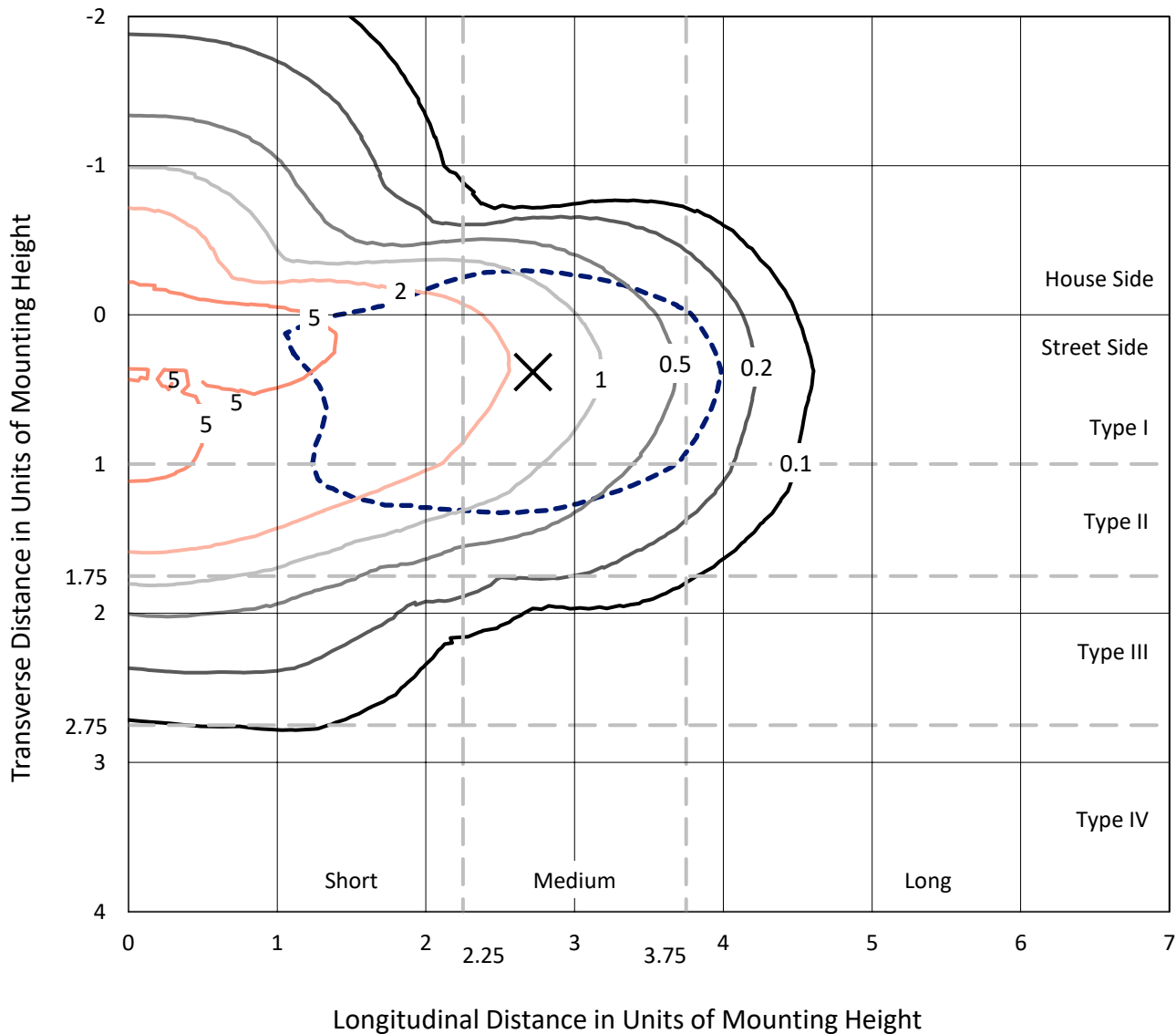
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849346
 CATALOG NUMBER: GLAN-SB6B-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination

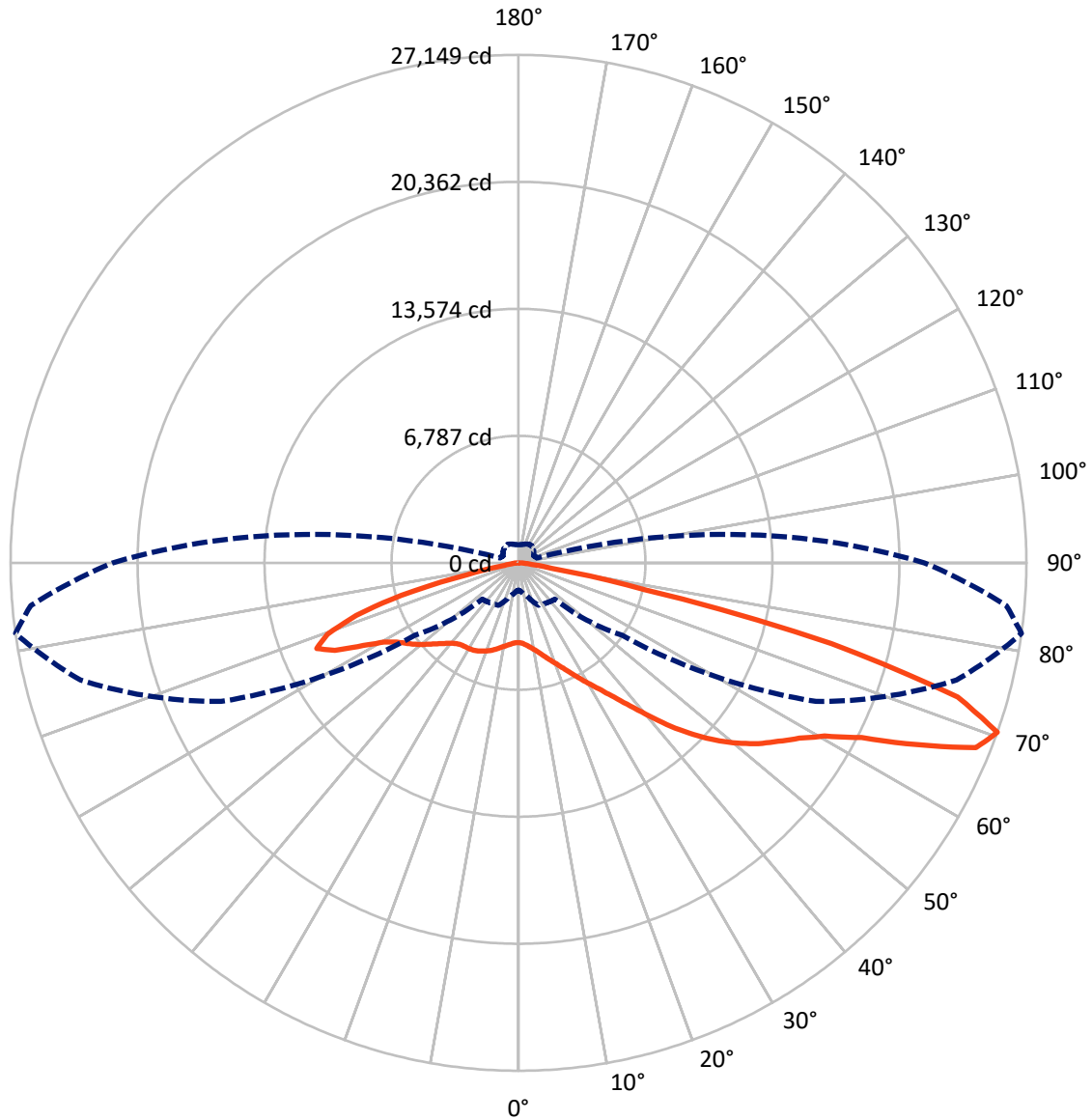
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P849346
CATALOG NUMBER: GLAN-SB6B-830-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849346
 CATALOG NUMBER: GLAN-SB6B-830-U-T2

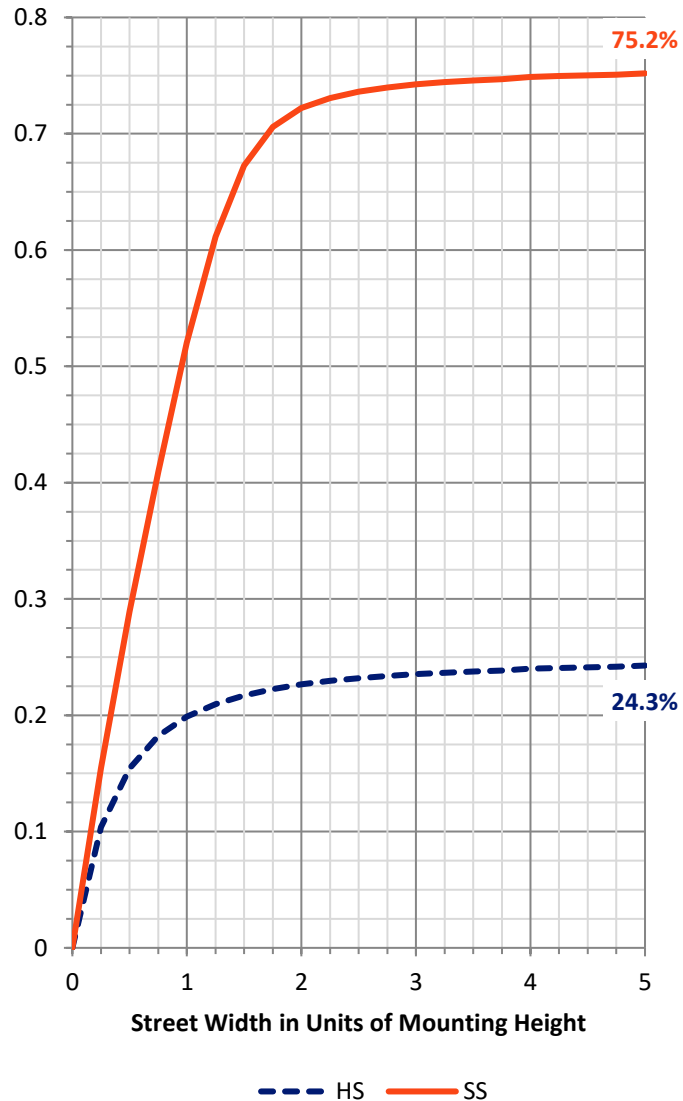
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7162.0	0.0	7162.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21890.0	0.0	21890.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	29052.0	0.0	29052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.2	1.4
10°-20°	1155.4	4.0
20°-30°	1932.9	6.7
30°-40°	3019.7	10.4
40°-50°	4809.3	16.6
50°-60°	6692.7	23.0
60°-70°	7000.8	24.1
70°-80°	3659.0	12.6
80°-90°	379.9	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°	29052.0	100.0
0°-180°	29052.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849346

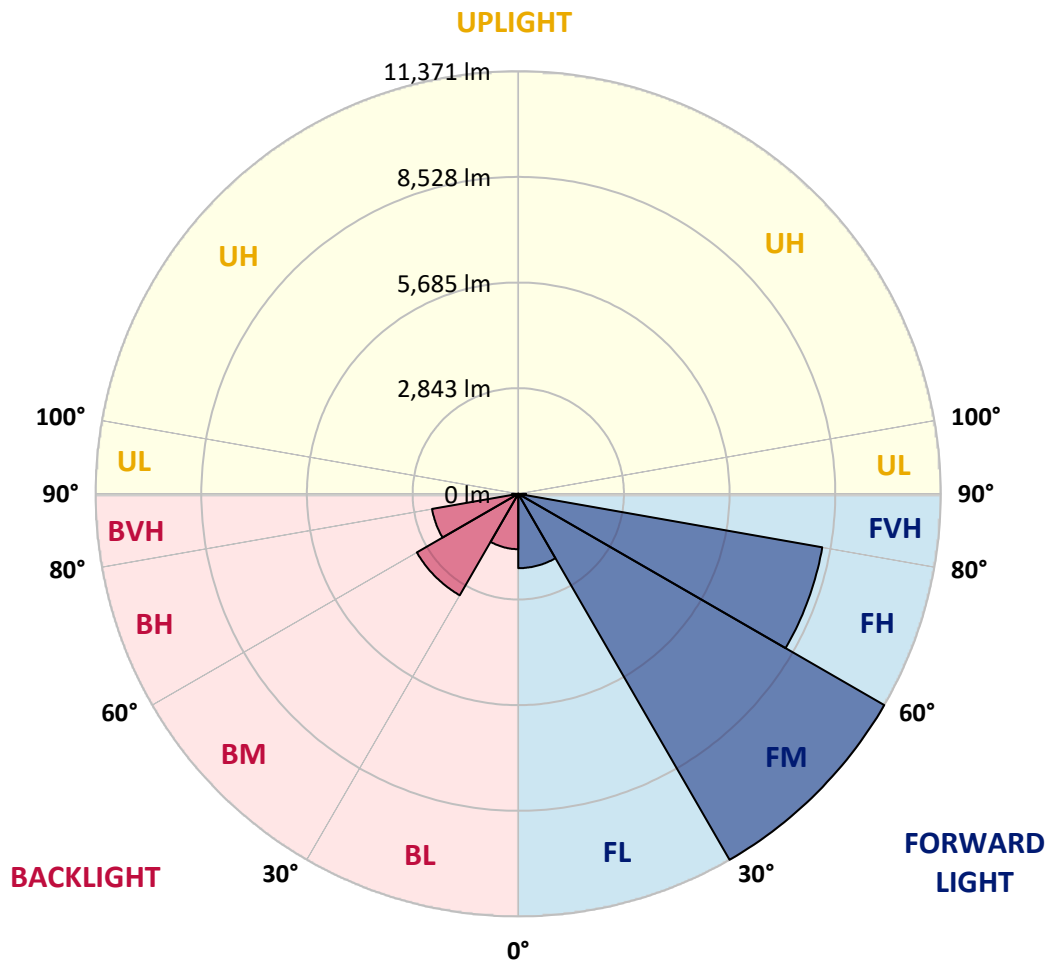
CATALOG NUMBER: GLAN-SB6B-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2000.6	6.9			
FM (30°-60°)	11370.7	39.1			
FH (60°-80°)	8306.1	28.6			G4/12000
FVH (80°-90°)	212.7	0.7			G2/225
BL (0°-30°)	1490.0	5.1	B3/2500		
BM (30°-60°)	3151.0	10.8	B3/5000		
BH (60°-80°)	2353.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	167.3	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-G4

Type II Medium



REPORT NUMBER: P849346
 CATALOG NUMBER: GLAN-SB6B-830-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4
2.5°	4361.1	4385.8	4378.1	4370.4	4370.4	4359.6	4358.0	4342.6	4330.3	4310.3
5°	4416.6	4442.8	4439.8	4445.9	4466.0	4470.6	4475.2	4466.0	4441.3	4416.6
7.5°	4367.3	4396.6	4405.8	4442.8	4504.5	4560.0	4601.6	4618.6	4595.5	4560.0
10°	4200.8	4233.2	4265.6	4353.4	4462.9	4593.9	4704.9	4771.2	4766.6	4732.7
12.5°	3863.2	3897.1	3966.5	4137.6	4338.0	4569.2	4775.8	4914.6	4962.3	4937.7
15°	3593.4	3622.7	3675.1	3850.9	4111.4	4462.9	4802.0	5071.8	5193.6	5179.7
17.5°	3585.7	3598.0	3630.4	3713.7	3914.1	4296.4	4774.3	5226.0	5458.7	5457.2
20°	3721.4	3726.0	3744.5	3761.5	3875.5	4170.0	4703.4	5353.9	5756.3	5756.3
22.5°	3909.4	3906.4	3924.9	3909.4	3964.9	4159.2	4658.7	5466.4	6087.7	6112.4
25°	4191.6	4176.1	4171.5	4136.1	4146.9	4259.4	4708.0	5594.4	6480.8	6531.7
27.5°	4567.7	4543.0	4526.1	4444.4	4416.6	4466.0	4859.1	5748.6	6918.6	7006.5
30°	5057.9	5013.2	4988.6	4846.7	4746.5	4754.2	5087.2	5953.6	7376.5	7518.3
32.5°	5727.0	5657.6	5591.3	5358.5	5175.1	5115.0	5381.7	6237.2	7872.9	8099.5
35°	6476.2	6420.7	6349.8	5990.6	5708.5	5569.7	5779.4	6633.4	8454.0	8813.2
37.5°	7197.6	7149.8	7183.8	6699.7	6335.9	6133.9	6300.4	7165.3	9170.9	9701.2
40°	7943.8	7906.8	7911.4	7448.9	7025.0	6798.4	6932.5	7832.8	9992.5	10757.1
42.5°	8754.6	8726.9	8634.4	8224.3	7748.0	7536.8	7660.1	8603.6	10874.3	11959.6
45°	9662.6	9645.7	9559.3	9089.2	8543.4	8306.0	8472.5	9454.5	11760.7	13091.1
47.5°	10447.3	10461.2	10450.4	10054.2	9488.4	9140.0	9338.9	10342.5	12585.5	14154.8
50°	10825.0	10897.4	11003.8	10880.5	10529.0	10174.4	10213.0	11199.6	13371.7	15152.2
52.5°	10627.7	10764.9	11054.7	11252.0	11387.7	11313.7	11210.4	12050.5	14111.6	16052.5
55°	9892.3	10085.0	10566.0	11042.3	11734.5	12272.5	12408.2	12994.0	14833.1	16844.8
57.5°	8552.7	8865.6	9297.3	10260.8	11426.2	12736.5	13804.9	14302.8	15597.7	17691.2
60°	6255.7	6675.0	7211.5	8645.2	10347.1	12488.3	14993.4	16313.0	16684.5	18787.2
62.5°	4003.5	4262.5	4755.8	6106.2	8062.5	11216.5	15357.2	18825.8	18526.7	20584.7
65°	2740.9	2907.4	3359.1	4117.6	5212.1	8349.2	14382.9	20709.6	21452.6	23433.6
67.5°	1991.7	2118.1	2503.5	3167.9	3396.1	4940.8	11161.0	20623.3	24296.8	26368.7
70°	1452.2	1541.6	1865.3	2503.5	2613.0	2748.6	6761.4	17530.9	24235.2	27148.8
72.5°	1076.0	1137.7	1355.0	1942.4	2115.0	1856.1	3346.8	12741.2	20825.2	24555.8
75°	778.5	824.7	985.1	1486.1	1692.7	1413.6	1669.5	7445.8	14526.3	17273.4
77.5°	595.1	630.5	735.3	1088.4	1355.0	1060.6	1035.9	3425.4	6887.8	6921.7
80°	477.9	501.0	558.1	766.2	1039.0	793.9	675.2	1382.8	2176.7	1842.2
82.5°	351.5	390.0	471.7	538.0	743.0	547.3	411.6	698.3	827.8	712.2
85°	200.4	226.6	285.2	385.4	474.8	334.5	235.9	309.9	385.4	316.0
87.5°	70.9	92.5	100.2	151.1	206.6	138.7	91.0	89.4	126.4	94.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849346
 CATALOG NUMBER: GLAN-SB6B-830-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4259.4	0°	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4	4259.4
4305.6	2.5°	4290.2	4282.5	4251.7	4210.1	4166.9	4125.3	4111.4	4082.1	4062.1	4051.3
4405.8	5°	4376.5	4351.9	4279.4	4186.9	4089.8	3985.0	3911.0	3843.2	3793.8	3747.6
4543.0	7.5°	4499.9	4456.7	4331.8	4170.0	3997.3	3823.1	3693.6	3595.0	3528.7	3485.5
4703.4	10°	4643.2	4577.0	4385.8	4143.8	3877.1	3627.3	3474.7	3389.9	3348.3	3325.2
4886.8	12.5°	4808.2	4714.2	4441.3	4083.6	3693.6	3408.4	3303.6	3278.9	3280.5	3282.0
5118.0	15°	5011.7	4880.6	4486.0	3952.6	3454.7	3240.4	3221.9	3262.0	3303.6	3323.6
5380.1	17.5°	5241.4	5056.4	4493.7	3736.8	3220.4	3132.5	3191.1	3277.4	3340.6	3368.4
5673.0	20°	5488.0	5235.2	4438.2	3431.6	3027.7	3044.6	3149.4	3260.4	3329.8	3365.3
6007.5	22.5°	5770.1	5426.4	4305.6	3110.9	2870.4	2949.0	3072.4	3180.3	3252.7	3288.2
6400.6	25°	6092.3	5640.6	4097.5	2841.1	2734.8	2841.1	2964.5	3053.9	3112.5	3144.8
6840.0	27.5°	6450.0	5864.2	3820.0	2626.9	2616.1	2730.1	2831.9	2901.3	2932.1	2956.8
7307.1	30°	6809.2	6067.7	3484.0	2465.0	2512.8	2620.7	2693.1	2724.0	2733.2	2737.8
7828.1	32.5°	7197.6	6243.4	3130.9	2330.9	2414.1	2514.3	2557.5	2571.4	2528.2	2498.9
8460.2	35°	7667.8	6431.5	2785.6	2224.5	2317.0	2403.3	2417.2	2404.9	2354.0	2293.9
9252.6	37.5°	8249.0	6665.8	2509.7	2149.0	2226.0	2283.1	2266.1	2263.0	2267.7	2196.8
10205.3	40°	8961.2	6971.0	2307.7	2090.4	2152.0	2164.4	2116.6	2142.8	2165.9	2058.0
11250.5	42.5°	9752.0	7339.5	2179.8	2050.3	2090.4	2061.1	1987.1	2016.4	2013.3	1871.5
12300.3	45°	10558.3	7740.3	2135.1	2021.0	2033.3	1974.8	1893.1	1900.8	1836.0	1708.1
13306.9	47.5°	11359.9	8170.4	2162.8	1996.3	1962.4	1896.1	1832.9	1799.0	1703.4	1607.9
14272.0	50°	12146.1	8622.1	2264.6	1947.0	1865.3	1826.8	1780.5	1720.4	1618.7	1537.0
15184.6	52.5°	12875.3	9076.8	2378.7	1865.3	1743.5	1766.7	1737.4	1668.0	1567.8	1484.5
16047.9	55°	13565.9	9531.6	2423.4	1752.8	1629.5	1714.2	1697.3	1569.3	1449.1	1381.3
16951.2	57.5°	14318.2	10078.9	2374.0	1609.4	1537.0	1654.1	1589.4	1447.5	1378.2	1327.3
18127.4	60°	15360.3	10937.5	2267.7	1432.1	1449.1	1564.7	1453.7	1395.1	1319.6	1262.6
19891.0	62.5°	17091.5	12539.2	2096.5	1256.4	1345.8	1432.1	1389.0	1330.4	1253.3	1197.8
22906.3	65°	19650.5	14765.3	1774.4	1119.2	1230.2	1302.6	1319.6	1261.0	1180.9	1122.3
25548.6	67.5°	21808.7	16161.9	1342.7	1005.1	1111.5	1197.8	1245.6	1188.6	1103.8	1046.7
26166.8	70°	21690.0	15147.6	1025.2	892.6	1006.7	1094.5	1156.2	1111.5	1020.5	966.6
23768.1	72.5°	19265.1	12671.8	829.4	778.5	900.3	986.6	1060.6	1026.7	934.2	881.8
17412.1	75°	14153.2	8995.1	662.9	662.9	767.7	874.1	955.8	934.2	849.4	812.4
7310.2	77.5°	5965.9	3773.8	519.5	550.3	638.2	750.7	852.5	860.2	786.2	832.5
1933.1	80°	1586.3	1040.6	396.2	433.2	501.0	619.7	741.5	738.4	658.3	615.1
718.4	82.5°	604.3	410.1	282.1	305.2	362.3	474.8	587.3	605.8	525.7	454.8
282.1	85°	232.8	175.7	174.2	183.4	211.2	314.5	444.0	459.4	396.2	336.1
78.6	87.5°	60.1	52.4	64.7	61.7	97.1	168.0	254.4	263.6	242.0	140.3
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°
4259.4
4063.6
3766.1
3494.8
3331.4
3285.1
3322.1
3374.5
3374.5
3297.4
3154.1
2966.0
2748.6
2508.2
2297.0
2201.4
2061.1
1869.9
1712.7
1607.9
1530.8
1486.1
1375.1
1322.7
1259.5
1197.8
1125.4
1048.3
971.2
881.8
801.6
755.4
571.9
454.8
346.9
200.4
0.0

F REPORT)