

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: P848546

Luminaire Tested: **GLAN-SB5A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848546
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-SB5A-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15147 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

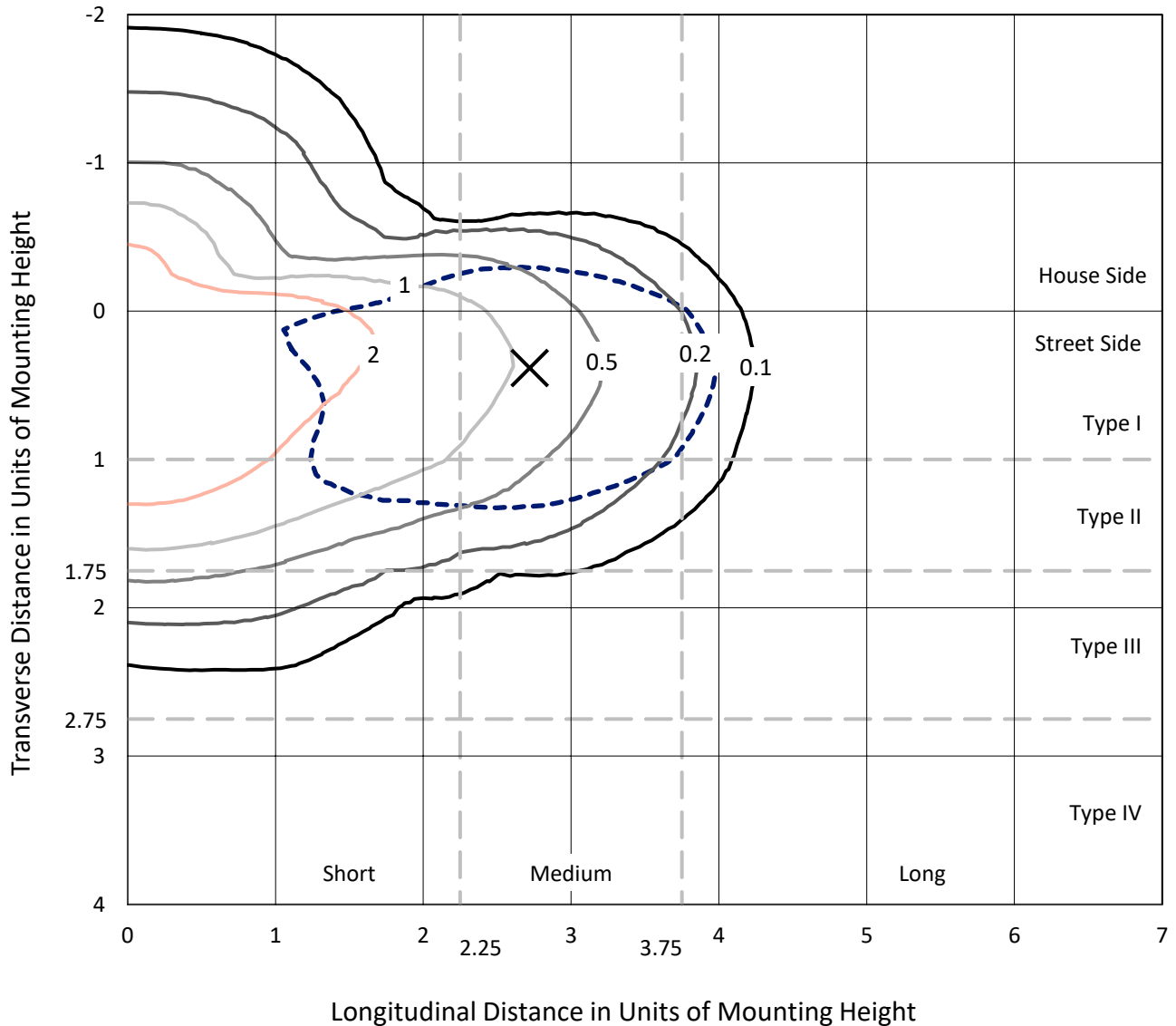
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848546
 CATALOG NUMBER: GLAN-SB5A-930-U-T2

Iso-Footcandle Lines of Horizontal Illumination

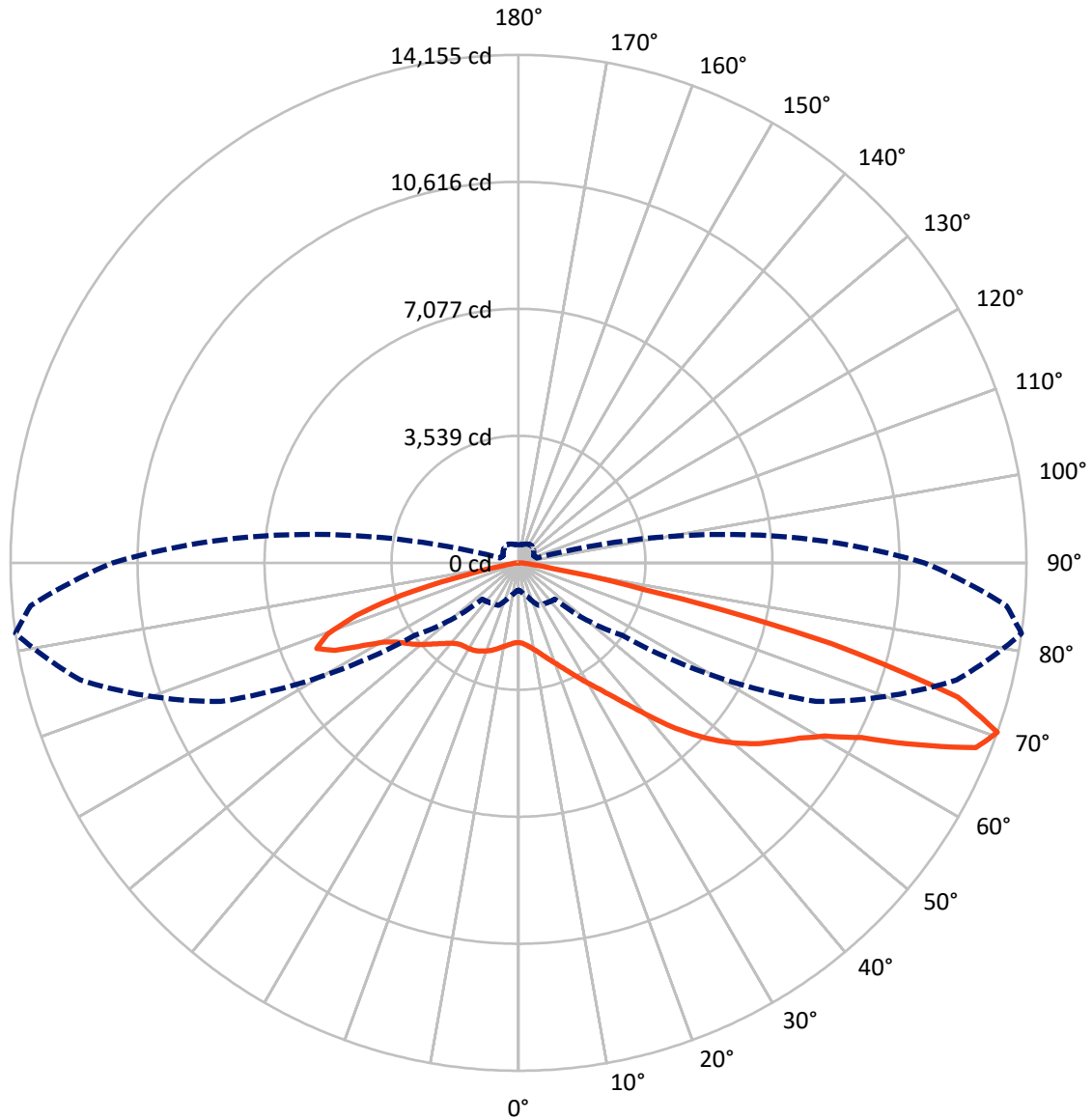
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Medium - N/A

REPORT NUMBER: P848546
CATALOG NUMBER: GLAN-SB5A-930-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848546
 CATALOG NUMBER: GLAN-SB5A-930-U-T2

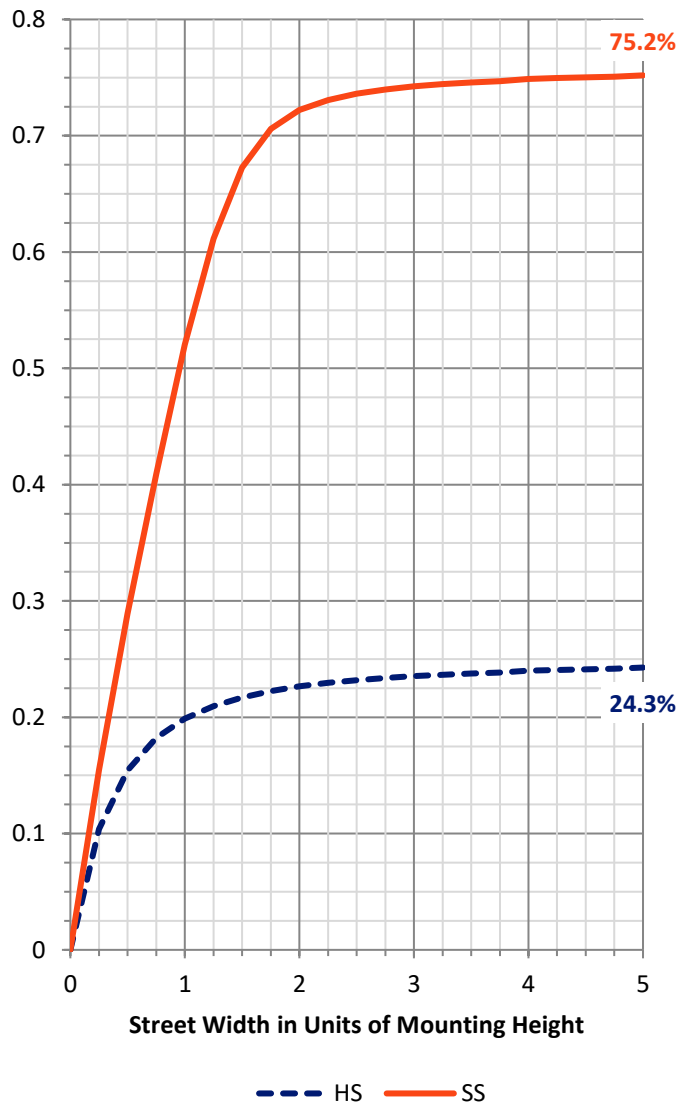
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3734.1	0.0	3734.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11412.9	0.0	11412.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	15147.0	0.0	15147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.7	1.4
10°-20°	602.4	4.0
20°-30°	1007.8	6.7
30°-40°	1574.4	10.4
40°-50°	2507.4	16.6
50°-60°	3489.4	23.0
60°-70°	3650.1	24.1
70°-80°	1907.7	12.6
80°-90°	198.1	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°	15147.0	100.0
0°-180°	15147.0	100.0

Coefficient of Utilization

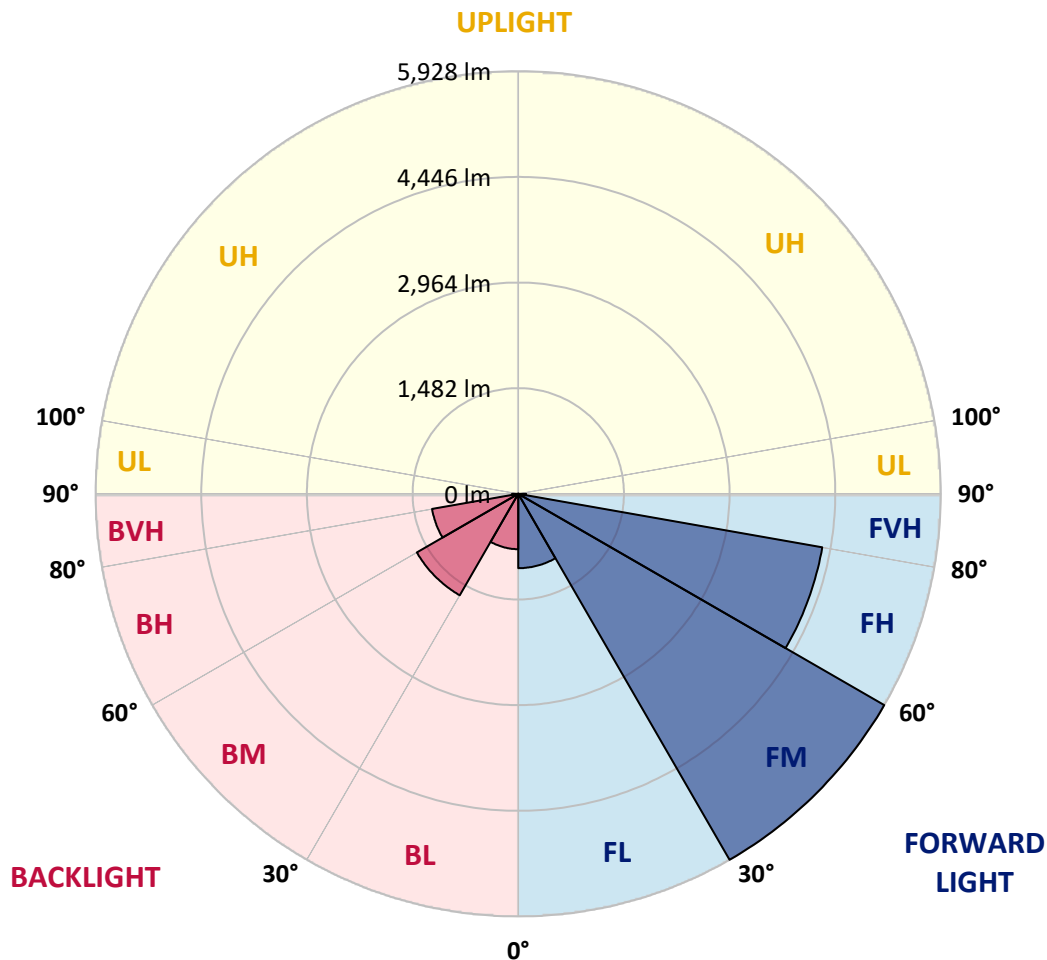


REPORT NUMBER: P848546
 CATALOG NUMBER: GLAN-SB5A-930-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.0	6.9			
FM (30°-60°)	5928.4	39.1			
FH (60°-80°)	4330.6	28.6			G2/5000
FVH (80°-90°)	110.9	0.7			G2/225
BL (0°-30°)	776.8	5.1	B2/1000		
BM (30°-60°)	1642.9	10.8	B2/2500		
BH (60°-80°)	1227.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	87.2	0.6			G1/100
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: P848546
 CATALOG NUMBER: GLAN-SB5A-930-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7
2.5°	2273.8	2286.6	2282.6	2278.6	2278.6	2273.0	2272.2	2264.1	2257.7	2247.3
5°	2302.7	2316.4	2314.8	2318.0	2328.4	2330.9	2333.3	2328.4	2315.6	2302.7
7.5°	2277.0	2292.3	2297.1	2316.4	2348.5	2377.5	2399.2	2408.0	2396.0	2377.5
10°	2190.2	2207.1	2224.0	2269.8	2326.8	2395.2	2453.0	2487.6	2485.2	2467.5
12.5°	2014.2	2031.9	2068.0	2157.2	2261.7	2382.3	2490.0	2562.3	2587.2	2574.4
15°	1873.5	1888.8	1916.1	2007.7	2143.6	2326.8	2503.7	2644.3	2707.8	2700.6
17.5°	1869.5	1875.9	1892.8	1936.2	2040.7	2240.0	2489.2	2724.7	2846.1	2845.2
20°	1940.2	1942.6	1952.3	1961.1	2020.6	2174.1	2452.2	2791.4	3001.2	3001.2
22.5°	2038.3	2036.7	2046.3	2038.3	2067.2	2168.5	2428.9	2850.1	3174.0	3186.8
25°	2185.4	2177.3	2174.9	2156.4	2162.1	2220.7	2454.6	2916.8	3378.9	3405.5
27.5°	2381.5	2368.6	2359.8	2317.2	2302.7	2328.4	2533.4	2997.2	3607.2	3653.0
30°	2637.1	2613.8	2600.9	2527.0	2474.7	2478.7	2652.3	3104.1	3845.9	3919.9
32.5°	2985.9	2949.7	2915.2	2793.8	2698.2	2666.8	2805.9	3251.9	4104.7	4222.9
35°	3376.5	3347.6	3310.6	3123.3	2976.3	2903.9	3013.2	3458.5	4407.7	4595.0
37.5°	3752.7	3727.8	3745.4	3493.1	3303.4	3198.1	3284.9	3735.8	4781.5	5057.9
40°	4141.7	4122.4	4124.8	3883.7	3662.7	3544.5	3614.4	4083.8	5209.9	5608.5
42.5°	4564.5	4550.0	4501.8	4288.0	4039.6	3929.5	3993.8	4485.7	5669.6	6235.4
45°	5037.9	5029.0	4984.0	4738.9	4454.3	4330.6	4417.4	4929.4	6131.7	6825.4
47.5°	5447.0	5454.2	5448.6	5242.0	4947.0	4765.4	4869.1	5392.3	6561.8	7380.0
50°	5643.9	5681.7	5737.1	5672.8	5489.6	5304.7	5324.8	5839.2	6971.7	7900.0
52.5°	5541.0	5612.5	5763.6	5866.5	5937.2	5898.7	5844.8	6282.9	7357.5	8369.4
55°	5157.6	5258.1	5508.8	5757.2	6118.1	6398.6	6469.3	6774.7	7733.6	8782.5
57.5°	4459.2	4622.3	4847.4	5349.7	5957.3	6640.5	7197.5	7457.1	8132.3	9223.7
60°	3261.6	3480.2	3759.9	4507.4	5394.7	6511.1	7817.2	8505.2	8698.9	9795.2
62.5°	2087.3	2222.3	2479.5	3183.6	4203.6	5848.0	8006.9	9815.3	9659.4	10732.4
65°	1429.1	1515.9	1751.4	2146.8	2717.5	4353.1	7498.9	10797.5	11184.9	12217.7
67.5°	1038.4	1104.3	1305.3	1651.7	1770.6	2576.0	5819.1	10752.5	12667.8	13748.0
70°	757.1	803.7	972.5	1305.3	1362.3	1433.1	3525.2	9140.2	12635.6	14154.7
72.5°	561.0	593.2	706.5	1012.7	1102.7	967.7	1744.9	6642.9	10857.8	12802.8
75°	405.9	430.0	513.6	774.8	882.5	737.0	870.5	3882.1	7573.7	9005.9
77.5°	310.2	328.7	383.4	567.4	706.5	553.0	540.1	1785.9	3591.1	3608.8
80°	249.2	261.2	291.0	399.5	541.7	413.9	352.0	721.0	1134.9	960.5
82.5°	183.3	203.3	245.9	280.5	387.4	285.3	214.6	364.1	431.6	371.3
85°	104.5	118.2	148.7	200.9	247.6	174.4	123.0	161.6	200.9	164.8
87.5°	37.0	48.2	52.2	78.8	107.7	72.3	47.4	46.6	65.9	49.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848546
 CATALOG NUMBER: GLAN-SB5A-930-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2220.7	0°	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7	2220.7
2244.9	2.5°	2236.8	2232.8	2216.7	2195.0	2172.5	2150.8	2143.6	2128.3	2117.9	2112.2
2297.1	5°	2281.8	2269.0	2231.2	2183.0	2132.3	2077.7	2039.1	2003.7	1978.0	1953.9
2368.6	7.5°	2346.1	2323.6	2258.5	2174.1	2084.1	1993.3	1925.8	1874.3	1839.8	1817.3
2452.2	10°	2420.9	2386.3	2286.6	2160.5	2021.4	1891.2	1811.6	1767.4	1745.7	1733.7
2547.9	12.5°	2506.9	2457.8	2315.6	2129.1	1925.8	1777.1	1722.4	1709.6	1710.4	1711.2
2668.4	15°	2613.0	2544.6	2338.9	2060.8	1801.2	1689.5	1679.8	1700.7	1722.4	1732.9
2805.1	17.5°	2732.7	2636.3	2342.9	1948.3	1679.0	1633.2	1663.7	1708.8	1741.7	1756.2
2957.8	20°	2861.3	2729.5	2314.0	1789.1	1578.5	1587.4	1642.0	1699.9	1736.1	1754.6
3132.2	22.5°	3008.4	2829.2	2244.9	1622.0	1496.6	1537.6	1601.9	1658.1	1695.9	1714.4
3337.1	25°	3176.4	2940.9	2136.3	1481.3	1425.8	1481.3	1545.6	1592.2	1622.8	1639.6
3566.2	27.5°	3362.9	3057.4	1991.7	1369.6	1364.0	1423.4	1476.5	1512.6	1528.7	1541.6
3809.7	30°	3550.1	3163.5	1816.5	1285.2	1310.1	1366.4	1404.1	1420.2	1425.0	1427.4
4081.4	32.5°	3752.7	3255.2	1632.4	1215.3	1258.7	1310.9	1333.4	1340.6	1318.1	1302.9
4410.9	35°	3997.8	3353.2	1452.4	1159.8	1208.0	1253.0	1260.3	1253.8	1227.3	1196.0
4824.1	37.5°	4300.8	3475.4	1308.5	1120.4	1160.6	1190.3	1181.5	1179.9	1182.3	1145.3
5320.8	40°	4672.2	3634.5	1203.2	1089.9	1122.0	1128.5	1103.5	1117.2	1129.3	1073.0
5865.7	42.5°	5084.5	3826.6	1136.5	1069.0	1089.9	1074.6	1036.0	1051.3	1049.7	975.7
6413.1	45°	5504.8	4035.6	1113.2	1053.7	1060.1	1029.6	987.0	991.0	957.3	890.5
6937.9	47.5°	5922.8	4259.8	1127.7	1040.8	1023.2	988.6	955.6	938.0	888.1	838.3
7441.0	50°	6332.7	4495.3	1180.7	1015.1	972.5	952.4	928.3	897.0	843.9	801.3
7916.9	52.5°	6712.9	4732.4	1240.2	972.5	909.0	921.1	905.8	869.6	817.4	774.0
8367.0	55°	7072.9	4969.5	1263.5	913.9	849.6	893.8	884.9	818.2	755.5	720.2
8837.9	57.5°	7465.2	5254.9	1237.8	839.1	801.3	862.4	828.7	754.7	718.5	692.0
9451.2	60°	8008.5	5702.6	1182.3	746.7	755.5	815.8	757.9	727.4	688.0	658.3
10370.7	62.5°	8911.1	6537.6	1093.1	655.0	701.7	746.7	724.2	693.6	653.4	624.5
11942.8	65°	10245.3	7698.2	925.1	583.5	641.4	679.2	688.0	657.5	615.7	585.1
13320.4	67.5°	11370.5	8426.4	700.1	524.0	579.5	624.5	649.4	619.7	575.5	545.7
13642.7	70°	11308.7	7897.6	534.5	465.4	524.8	570.7	602.8	579.5	532.1	503.9
12392.1	72.5°	10044.4	6606.8	432.4	405.9	469.4	514.4	553.0	535.3	487.1	459.7
9078.3	75°	7379.2	4689.8	345.6	345.6	400.3	455.7	498.3	487.1	442.9	423.6
3811.3	77.5°	3110.5	1967.6	270.9	286.9	332.7	391.4	444.5	448.5	409.9	434.0
1007.9	80°	827.1	542.5	206.6	225.9	261.2	323.1	386.6	385.0	343.2	320.7
374.5	82.5°	315.1	213.8	147.1	159.1	188.9	247.6	306.2	315.9	274.1	237.1
147.1	85°	121.4	91.6	90.8	95.6	110.1	164.0	231.5	239.5	206.6	175.2
41.0	87.5°	31.3	27.3	33.8	32.1	50.6	87.6	132.6	137.4	126.2	73.1
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°
2220.7
2118.7
1963.5
1822.1
1736.9
1712.8
1732.1
1759.4
1759.4
1719.2
1644.5
1546.4
1433.1
1307.7
1197.6
1147.7
1074.6
974.9
893.0
838.3
798.1
774.8
716.9
689.6
656.7
624.5
586.7
546.5
506.4
459.7
417.9
393.8
298.2
237.1
180.8
104.5
0.0

F REPORT)