

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: P847735

Luminaire Tested: **GLAN-SB4A-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847735
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-SB4A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA 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: 10266 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

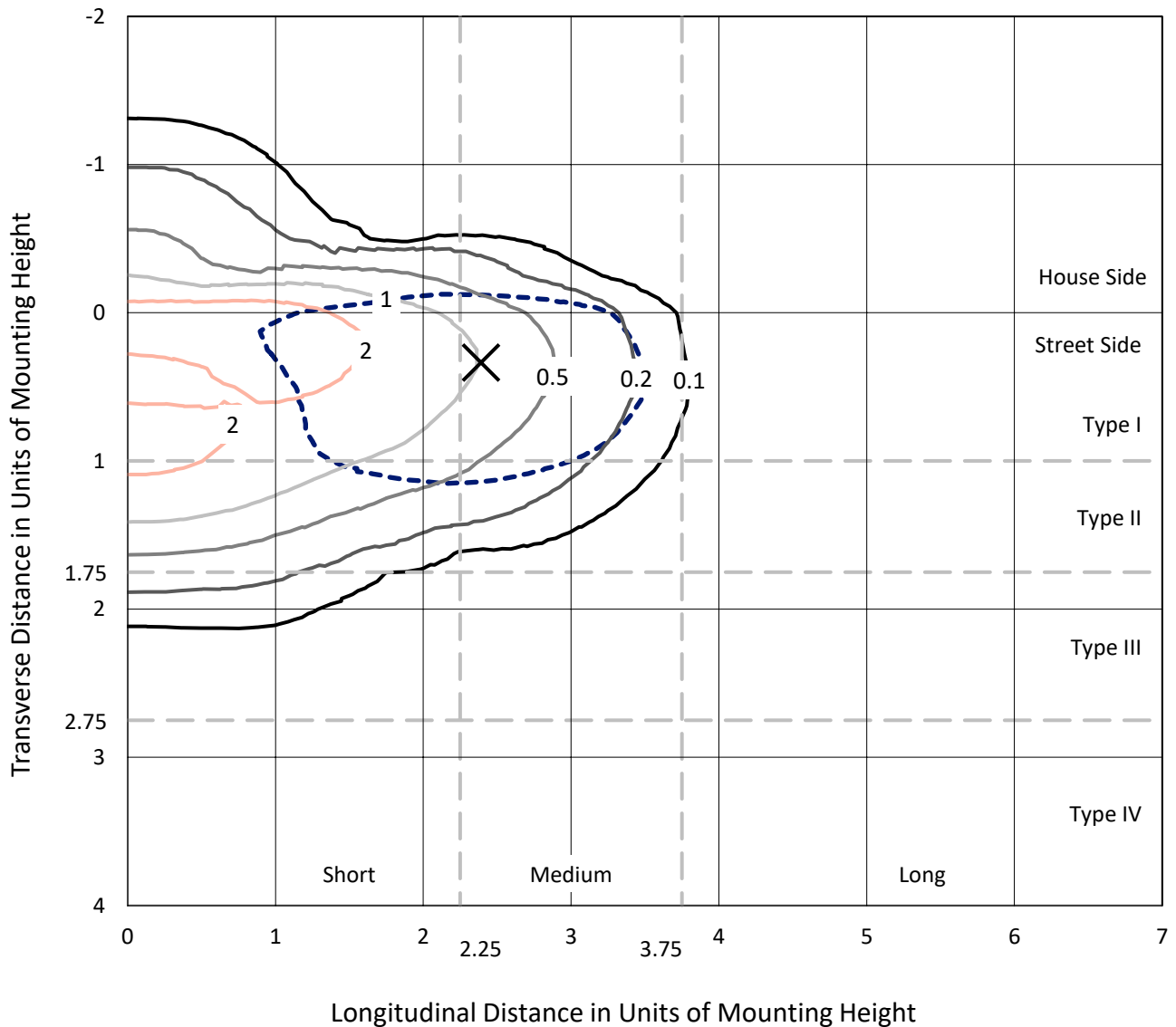
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847735
 CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

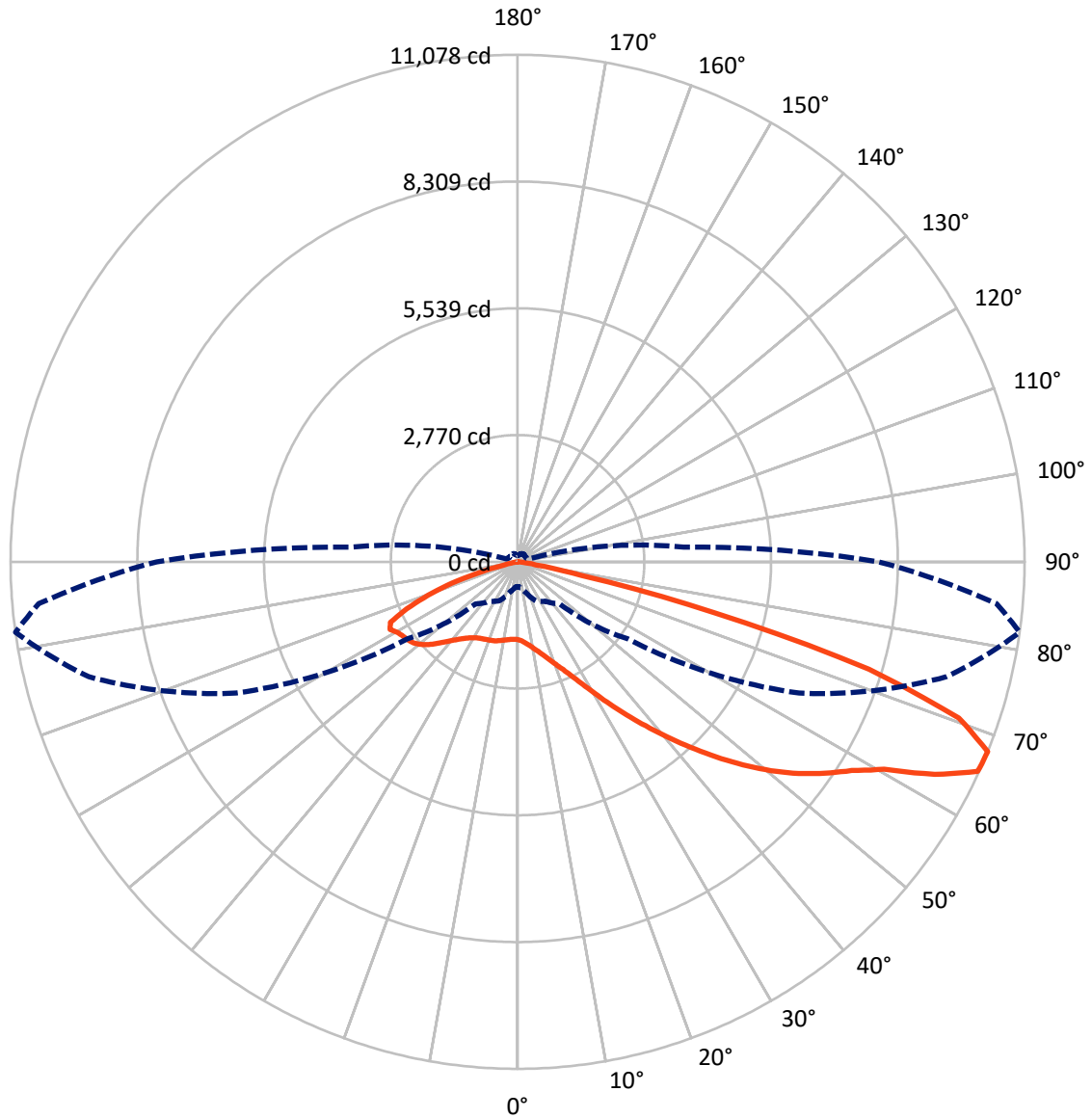
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P847735
CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847735
 CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

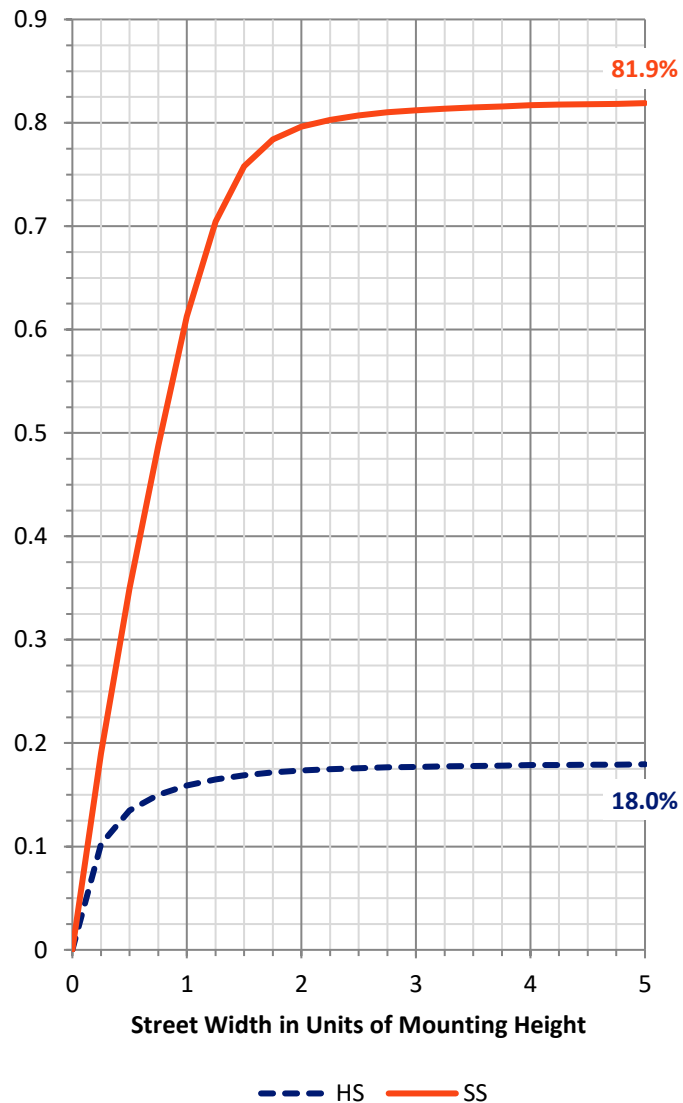
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.6	0.0	1859.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8406.4	0.0	8406.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	10266.0	0.0	10266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	1.5
10°-20°	393.7	3.8
20°-30°	630.7	6.1
30°-40°	1115.2	10.9
40°-50°	1953.9	19.0
50°-60°	2606.0	25.4
60°-70°	2426.0	23.6
70°-80°	931.1	9.1
80°-90°	57.8	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°	10266.0	100.0
0°-180°	10266.0	100.0

Coefficient of Utilization

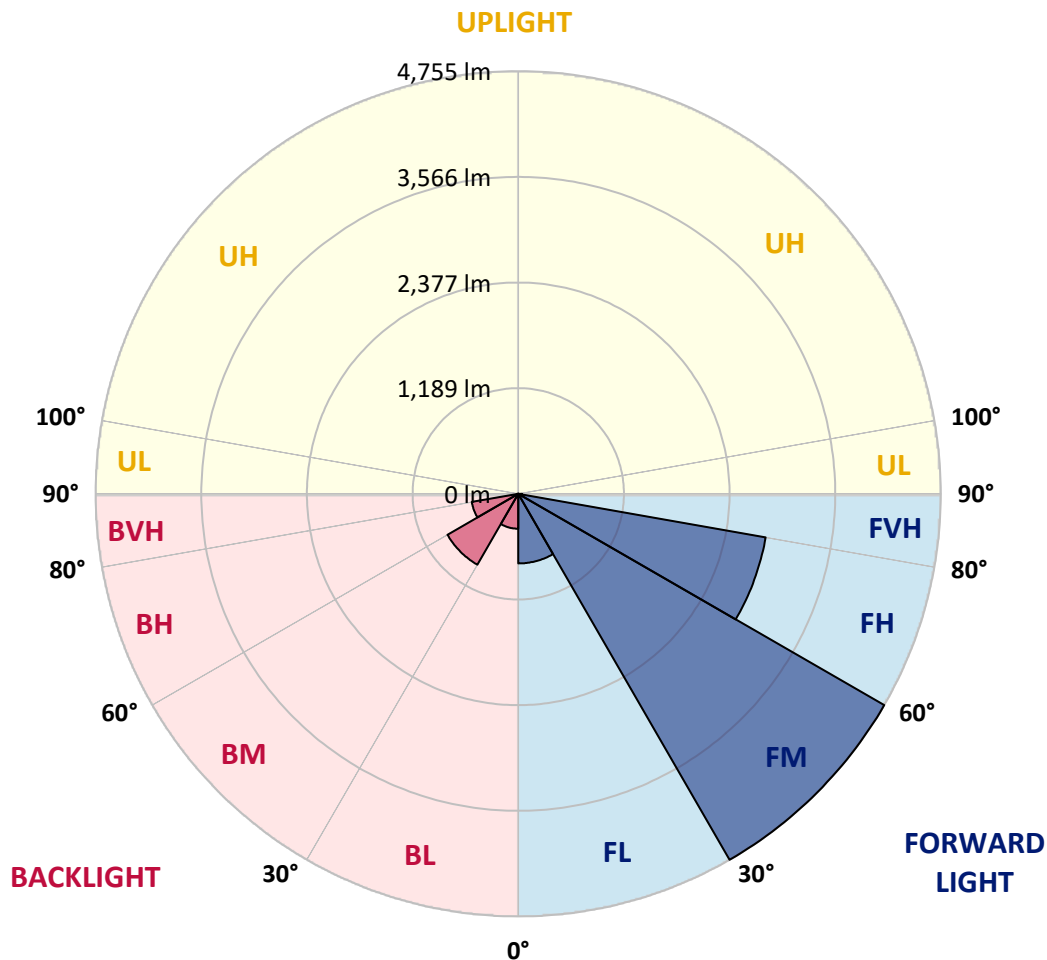


REPORT NUMBER: P847735
 CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.2	7.6			
FM (30°-60°)	4754.8	46.3			
FH (60°-80°)	2826.4	27.5			G2/5000
FVH (80°-90°)	42.0	0.4			G1/100
BL (0°-30°)	392.7	3.8	B1/500		
BM (30°-60°)	920.3	9.0	B1/1000		
BH (60°-80°)	530.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



REPORT NUMBER: P847735
 CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7
2.5°	1797.6	1807.9	1802.0	1799.0	1793.9	1786.5	1780.6	1762.1	1742.9	1730.3
5°	1833.8	1844.1	1843.4	1846.3	1850.0	1852.2	1850.8	1830.1	1802.7	1781.3
7.5°	1802.7	1814.6	1824.2	1838.9	1864.8	1892.2	1905.5	1901.0	1872.9	1843.4
10°	1714.8	1727.3	1750.3	1785.0	1839.7	1898.8	1948.3	1971.2	1953.5	1921.0
12.5°	1553.6	1566.2	1611.3	1686.7	1778.3	1881.1	1975.7	2037.0	2041.5	2008.9
15°	1372.6	1385.1	1433.2	1527.8	1667.5	1832.3	1990.5	2106.5	2145.7	2117.6
17.5°	1260.2	1271.3	1307.5	1383.6	1529.3	1734.7	1985.3	2180.4	2269.9	2247.7
20°	1226.2	1235.8	1252.8	1306.0	1427.3	1633.5	1951.3	2249.9	2403.6	2391.1
22.5°	1262.4	1271.3	1276.5	1300.1	1376.3	1566.9	1908.4	2320.9	2558.9	2560.3
25°	1345.9	1354.8	1348.9	1363.7	1396.9	1546.3	1892.2	2404.4	2754.0	2770.2
27.5°	1483.4	1484.2	1470.1	1469.4	1474.6	1577.3	1909.2	2493.8	3000.1	3030.4
30°	1759.1	1748.0	1694.1	1635.7	1609.1	1670.4	1956.5	2599.5	3290.6	3344.5
32.5°	2184.1	2167.9	2068.8	1929.1	1788.7	1820.5	2041.5	2720.0	3606.9	3704.5
35°	2645.3	2640.9	2537.4	2329.7	2084.3	2034.1	2179.7	2878.2	3952.1	4107.3
37.5°	3074.0	3071.8	3012.7	2768.0	2469.4	2331.9	2401.4	3085.1	4321.7	4546.4
40°	3465.8	3472.4	3413.3	3194.5	2893.7	2714.1	2703.0	3340.8	4732.6	5024.6
42.5°	3804.3	3811.7	3751.8	3589.9	3312.8	3136.9	3073.3	3654.2	5134.0	5538.3
45°	4034.1	4080.0	4071.1	3941.8	3742.9	3560.4	3518.2	4047.5	5591.5	6083.0
47.5°	4099.2	4141.3	4207.8	4225.6	4104.4	3924.8	3975.0	4521.2	6054.2	6628.5
50°	3938.8	3978.0	4116.2	4300.2	4384.5	4329.1	4419.2	5029.0	6528.0	7172.5
52.5°	3622.5	3662.4	3836.8	4128.0	4471.7	4646.1	4864.9	5529.4	6987.0	7687.6
55°	3164.9	3207.1	3431.0	3760.7	4305.4	4777.0	5236.7	6029.1	7407.5	8151.1
57.5°	2542.6	2573.6	2806.5	3267.7	3887.1	4646.9	5510.9	6574.5	7803.7	8606.4
60°	1657.1	1684.5	1955.0	2469.4	3193.8	4212.3	5565.6	7182.8	8329.9	9198.4
62.5°	1102.0	1120.5	1280.9	1658.6	2249.2	3377.8	5245.6	7668.4	9101.6	10228.8
65°	756.1	774.6	935.0	1198.1	1453.1	2234.4	4325.4	7604.1	9800.8	11047.0
67.5°	539.6	555.1	691.1	939.4	1051.8	1297.9	2932.1	6782.2	9700.3	11078.0
70°	386.6	395.4	507.8	731.7	836.0	779.8	1630.5	5187.2	8493.3	10229.5
72.5°	270.5	273.5	352.6	557.3	673.3	569.1	776.1	3458.4	6423.7	8029.1
75°	183.3	187.0	237.3	408.7	540.3	434.6	411.0	1854.5	3771.0	4444.4
77.5°	112.3	113.8	153.0	279.4	404.3	331.1	264.6	785.7	1459.0	1432.4
80°	63.6	63.6	97.6	173.7	275.7	213.6	185.5	334.1	462.0	405.8
82.5°	35.5	36.2	71.0	107.9	182.6	126.4	102.0	154.5	199.6	176.7
85°	14.8	16.3	43.6	51.0	87.2	62.8	41.4	65.0	73.9	65.8
87.5°	1.5	2.2	13.3	9.6	10.3	12.6	5.9	12.6	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847735
 CATALOG NUMBER: GLAN-SB4A-722-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1700.7	0°	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7	1700.7
1725.9	2.5°	1711.8	1700.7	1672.6	1640.1	1597.3	1576.6	1548.5	1529.3	1513.0	1514.5
1768.7	5°	1745.1	1717.0	1654.2	1575.8	1478.3	1408.8	1334.9	1283.9	1242.5	1233.6
1827.9	7.5°	1790.9	1746.6	1636.4	1495.3	1330.4	1205.5	1093.9	1022.2	971.2	955.0
1899.6	10°	1850.0	1785.7	1613.5	1394.0	1156.7	997.8	878.1	821.9	787.2	775.3
1983.8	12.5°	1918.8	1830.8	1583.2	1270.6	977.9	824.9	748.7	720.6	709.6	705.9
2087.3	15°	2005.2	1887.0	1537.4	1124.2	826.3	719.2	686.6	683.0	684.4	683.0
2211.5	17.5°	2108.0	1948.3	1462.7	973.4	724.3	665.2	653.4	656.3	660.0	659.3
2350.4	20°	2220.3	2008.9	1367.4	839.6	654.9	626.8	620.1	623.1	626.0	624.6
2510.8	22.5°	2348.2	2074.0	1261.7	735.4	608.3	591.3	583.9	584.6	584.6	581.7
2714.1	25°	2501.2	2145.7	1150.8	661.5	572.8	559.5	550.6	547.7	543.3	534.4
2960.9	27.5°	2683.8	2221.8	1044.4	609.8	544.7	532.2	521.8	514.4	503.3	488.6
3257.3	30°	2889.2	2314.2	954.2	577.3	522.6	510.0	498.2	487.1	470.8	452.3
3598.1	32.5°	3130.9	2413.2	888.4	555.8	502.6	489.3	475.3	462.0	444.2	425.7
3980.9	35°	3419.2	2533.0	850.0	541.0	487.1	469.3	453.8	439.0	425.7	409.5
4397.1	37.5°	3731.8	2660.1	838.2	533.6	476.7	449.4	431.6	421.3	419.8	410.2
4847.2	40°	4074.1	2810.9	847.0	529.2	465.6	430.2	411.0	408.7	412.4	395.4
5328.4	42.5°	4436.2	2989.8	861.8	524.0	450.1	411.0	392.5	392.5	389.5	365.9
5836.9	45°	4828.0	3196.0	876.6	511.5	431.6	391.7	377.7	372.5	360.0	337.0
6348.4	47.5°	5222.7	3405.9	887.7	488.6	409.5	375.5	362.9	351.1	332.6	311.9
6850.2	50°	5597.4	3594.4	875.9	454.6	384.3	360.0	346.7	330.4	310.4	296.4
7325.5	52.5°	5932.2	3757.7	825.6	414.6	357.7	343.7	331.9	314.9	298.6	283.8
7754.2	55°	6223.4	3890.0	736.9	377.0	334.1	329.7	317.8	296.4	274.2	261.7
8179.2	57.5°	6502.8	3990.5	626.0	345.9	312.7	314.1	296.4	277.2	256.5	243.2
8752.0	60°	6874.6	4125.1	513.7	317.1	289.7	294.2	275.0	260.9	235.0	218.0
9734.3	62.5°	7468.9	4334.2	408.0	281.6	263.1	264.6	256.5	239.5	208.4	188.5
10462.3	65°	7940.4	4257.4	321.5	243.2	232.8	235.0	235.0	216.6	183.3	160.4
10501.5	67.5°	7887.2	3645.4	256.5	205.5	204.0	205.5	210.7	195.1	162.6	144.1
9701.8	70°	7265.6	2899.6	205.5	170.7	177.4	173.7	188.5	178.1	146.3	127.9
7521.3	72.5°	5928.5	2088.8	156.7	141.2	136.0	141.9	170.0	160.4	122.0	101.3
3983.9	75°	3464.3	1114.6	116.8	111.6	98.3	118.3	150.8	136.7	93.1	74.7
1221.0	77.5°	1127.9	388.8	85.7	82.0	73.2	95.3	128.6	115.3	76.1	59.1
357.7	80°	302.3	117.5	58.4	54.0	47.3	71.0	102.0	91.7	54.7	38.4
153.7	82.5°	121.2	49.5	34.0	30.3	25.9	48.8	80.6	73.9	40.7	24.4
48.0	85°	39.2	16.3	12.6	9.6	11.8	30.3	48.0	50.3	28.8	12.6
7.4	87.5°	5.2	2.2	2.2	3.0	2.2	5.2	14.8	14.0	8.1	1.5
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°
1700.7
1499.7
1213.6
938.7
766.5
703.6
682.2
657.8
623.8
580.2
532.9
487.1
450.9
426.5
408.0
409.5
396.2
365.9
336.3
311.2
294.2
282.3
260.2
241.7
215.8
187.0
158.2
141.2
125.7
99.0
72.4
56.9
37.7
24.4
9.6
0.0
0.0

F REPORT)