

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: P852548

Luminaire Tested: **GLAN-SB4C-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852548  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14635 lumens  
Efficiency: N/A  
Efficacy: 72.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

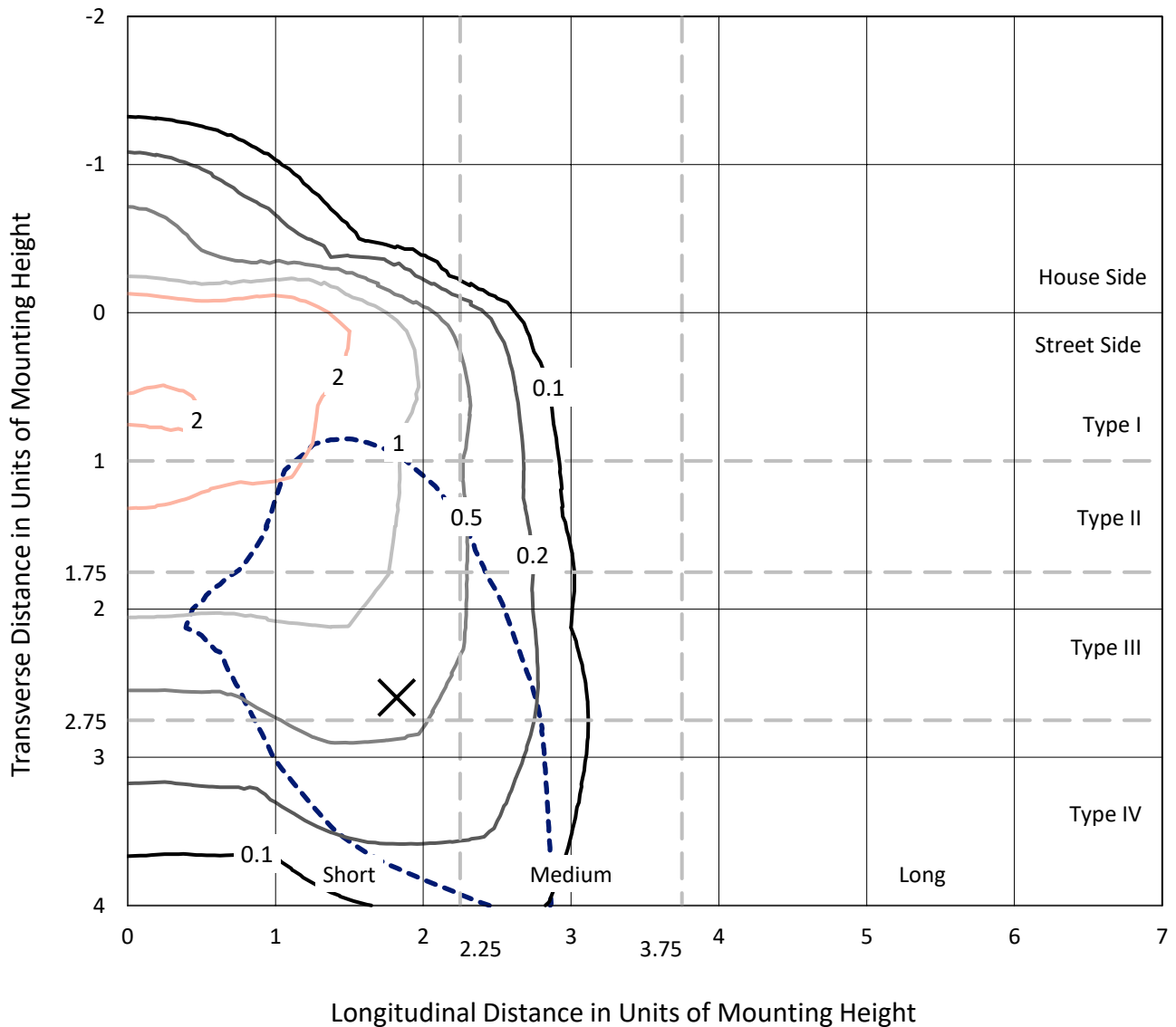
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852548  
 CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

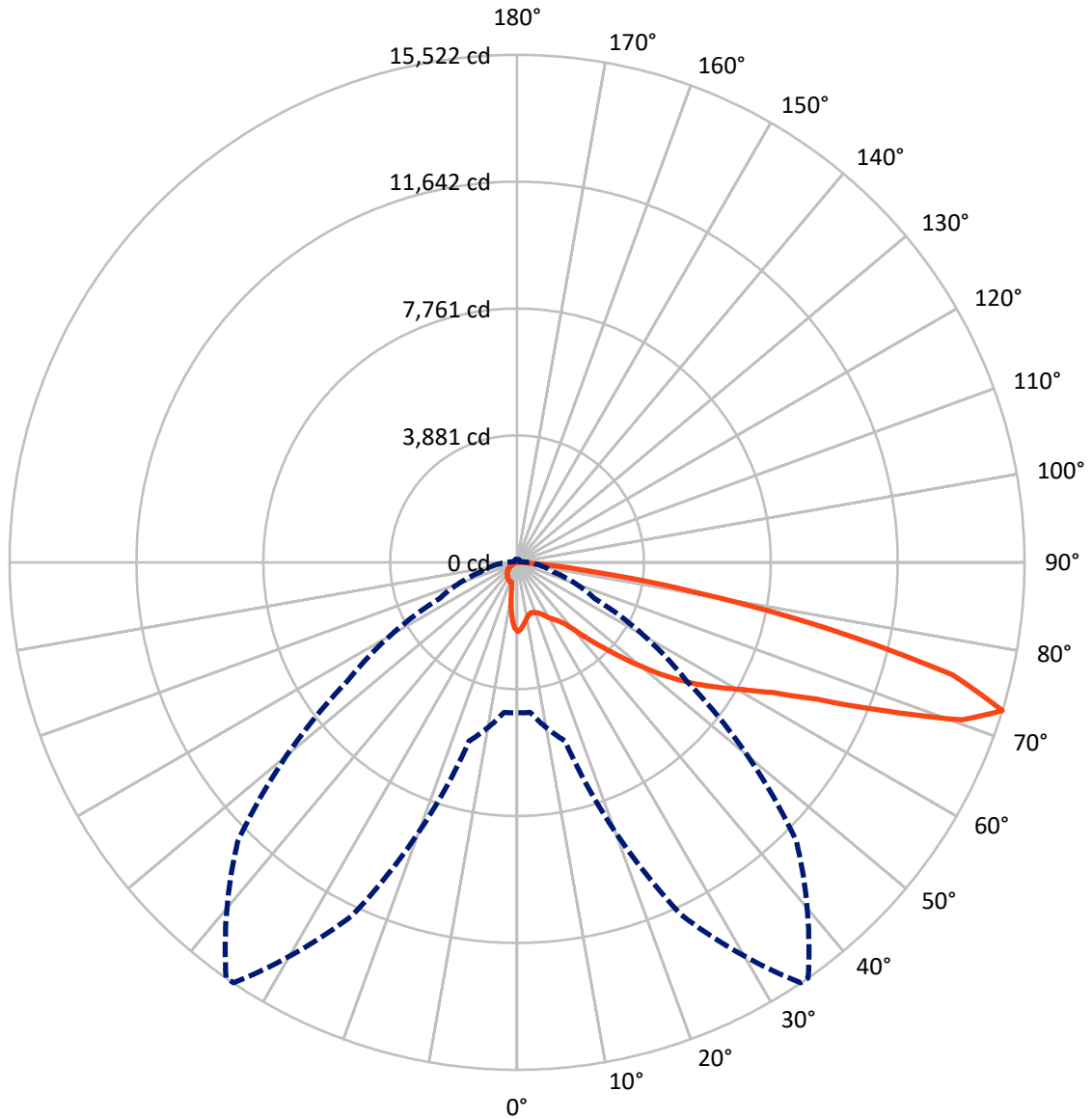
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

REPORT NUMBER: P852548  
CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P852548  
 CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

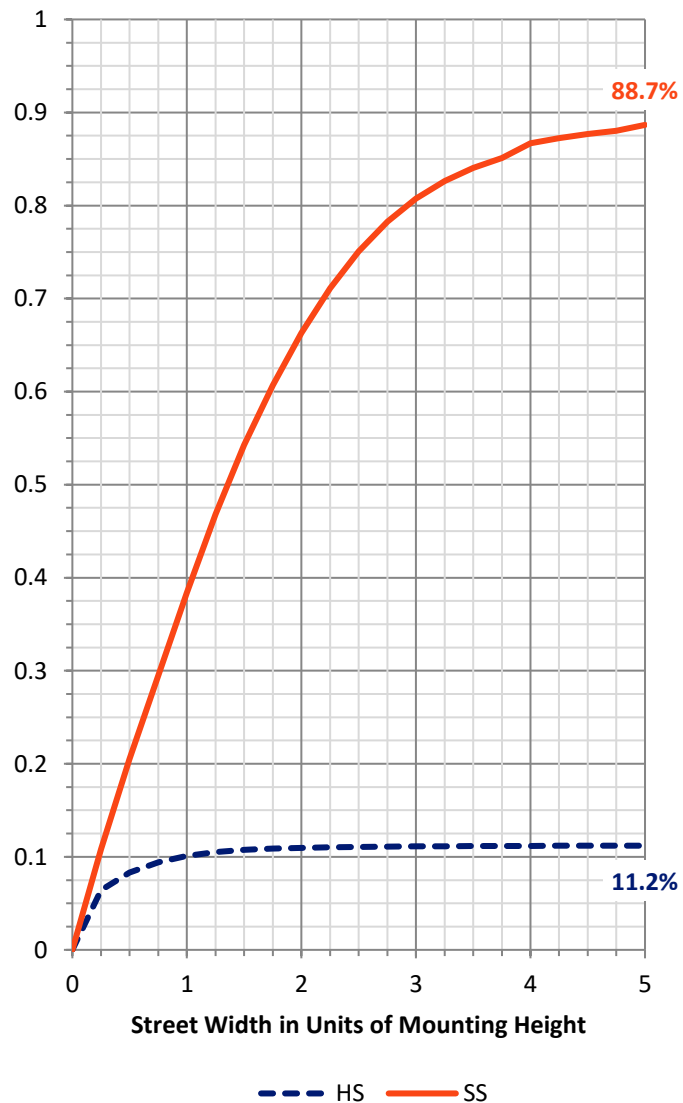
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1647.1	0.0	1647.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	12987.9	0.0	12987.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	14635.0	0.0	14635.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.3	1.2
10°-20°	407.8	2.8
20°-30°	662.4	4.5
30°-40°	1105.2	7.6
40°-50°	2091.0	14.3
50°-60°	3322.6	22.7
60°-70°	4110.3	28.1
70°-80°	2555.0	17.5
80°-90°	206.5	1.4
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°	14635.0	100.0
0°-180°	14635.0	100.0

**Coefficient of Utilization**



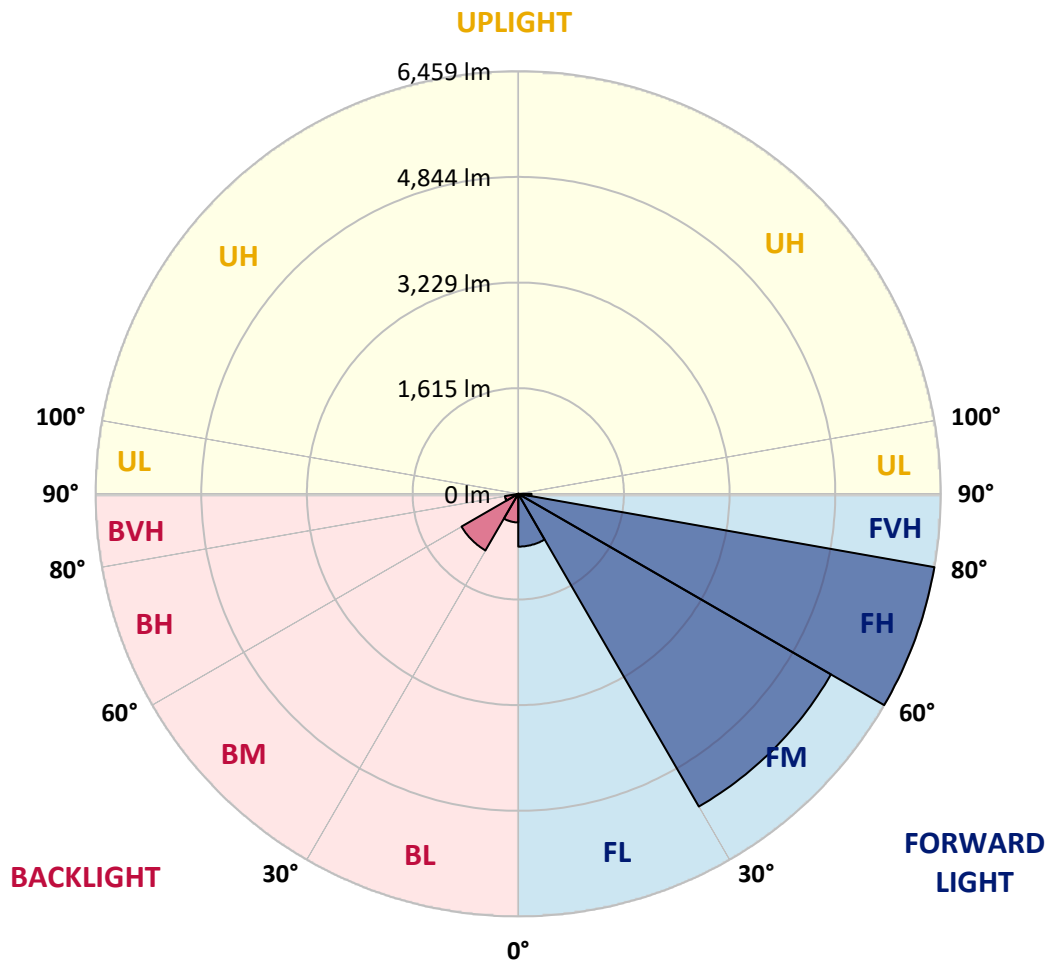
REPORT NUMBER: P852548  
 CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.8	5.5			
FM (30°-60°)	5518.9	37.7			
FH (60°-80°)	6458.6	44.1			G3/7500
FVH (80°-90°)	203.7	1.4			G2/225
BL (0°-30°)	437.7	3.0	B1/500		
BM (30°-60°)	999.9	6.8	B1/1000		
BH (60°-80°)	206.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short



REPORT NUMBER: P852548  
 CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1
2.5°	2026.7	2043.9	2047.1	2052.5	2052.5	2058.9	2069.6	2084.6	2109.3	2122.2
5°	1868.0	1880.9	1897.0	1909.8	1934.5	1937.7	1979.6	2020.3	2077.1	2120.0
7.5°	1708.2	1723.3	1744.7	1775.8	1808.0	1817.6	1880.9	1949.5	2039.6	2120.0
10°	1595.7	1596.7	1616.0	1647.1	1698.6	1710.4	1787.6	1885.2	1997.8	2107.2
12.5°	1532.4	1539.9	1548.5	1572.1	1621.4	1628.9	1711.5	1826.2	1956.0	2099.7
15°	1532.4	1537.7	1543.1	1554.9	1594.6	1601.0	1673.9	1788.7	1934.5	2102.9
17.5°	1548.5	1557.0	1552.8	1566.7	1608.5	1612.8	1677.2	1778.0	1933.4	2123.2
20°	1587.1	1593.5	1584.9	1593.5	1635.3	1643.9	1710.4	1798.3	1951.7	2158.6
22.5°	1648.2	1651.4	1631.0	1637.5	1680.4	1691.1	1768.3	1856.2	1995.6	2215.5
25°	1725.4	1731.8	1700.7	1708.2	1749.0	1761.9	1850.9	1943.1	2065.3	2293.8
27.5°	1814.4	1817.6	1790.8	1789.7	1842.3	1860.5	1950.6	2050.3	2158.6	2392.4
30°	1916.3	1925.9	1900.2	1895.9	1962.4	1977.4	2066.4	2182.2	2295.9	2540.4
32.5°	1996.7	2004.2	1989.2	1999.9	2067.5	2079.3	2206.9	2368.8	2511.4	2750.6
35°	2112.5	2116.8	2082.5	2101.8	2179.0	2209.0	2398.8	2630.5	2782.7	3014.4
37.5°	2531.8	2531.8	2386.0	2290.5	2364.5	2391.3	2661.6	2959.7	3117.3	3368.2
40°	3112.0	3102.3	2888.9	2693.7	2684.1	2736.6	3035.8	3374.7	3549.5	3792.9
42.5°	3730.7	3715.7	3425.1	3232.1	3199.9	3218.1	3468.0	3886.2	4064.2	4310.8
45°	4279.7	4275.4	4009.5	3750.0	3692.1	3750.0	4007.4	4484.6	4612.2	4871.7
47.5°	4739.8	4739.8	4545.7	4376.2	4346.2	4380.5	4737.6	5148.3	5136.5	5469.0
50°	5269.5	5265.2	5080.8	5007.9	5039.0	5087.2	5578.3	5847.5	5679.1	6055.5
52.5°	5640.5	5666.3	5603.0	5591.2	5749.9	5833.6	6431.9	6531.7	6164.9	6612.1
55°	5934.4	5964.4	6037.3	6119.9	6425.5	6534.9	7258.7	7180.4	6571.3	7094.6
57.5°	6350.4	6307.5	6420.1	6583.1	7077.5	7209.4	8059.8	7792.7	6898.4	7486.1
60°	6855.5	6861.9	6881.3	7087.1	7728.4	7897.8	8849.0	8371.8	7108.6	7726.3
62.5°	7462.5	7472.1	7511.8	7828.1	8602.4	8762.1	9689.7	8845.8	7205.1	7658.7
65°	7420.6	7461.4	7904.3	8986.3	9931.0	10088.6	10670.9	9178.2	7059.3	7041.0
67.5°	6760.1	6826.6	7567.6	10369.6	11934.1	12110.0	11856.9	9243.6	6429.8	5475.4
70°	5893.6	5917.2	6808.3	11613.5	14253.6	14431.6	12918.6	8524.1	4879.2	3054.0
72.5°	4602.5	4607.9	5653.4	11902.0	15512.6	15522.2	12085.3	6327.9	2624.0	1173.1
75°	3287.8	3255.6	3786.5	9652.2	13647.8	13757.1	9060.3	2968.3	1002.6	554.4
77.5°	1762.9	1798.3	2142.5	5724.2	9428.1	9614.7	4943.5	855.7	510.4	377.5
80°	544.8	574.8	878.3	2620.8	5340.3	5452.9	1832.6	380.7	356.0	269.2
82.5°	171.6	178.0	409.6	1101.3	2216.5	2268.0	530.8	215.5	243.4	178.0
85°	49.3	50.4	182.3	410.7	548.0	558.7	149.1	83.6	139.4	110.5
87.5°	5.4	17.2	68.6	68.6	48.3	47.2	16.1	18.2	39.7	13.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852548  
 CATALOG NUMBER: GLAN-SB4C-927-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2121.1	0°	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1	2121.1
2130.8	2.5°	2125.4	2126.5	2112.5	2088.9	2063.2	2041.7	2014.9	1993.5	1978.5	1974.2
2150.1	5°	2140.4	2132.9	2093.2	2021.4	1935.6	1861.6	1779.0	1713.6	1670.7	1652.5
2170.4	7.5°	2162.9	2141.5	2054.6	1913.1	1749.0	1603.2	1455.2	1340.4	1267.5	1231.1
2189.7	10°	2182.2	2139.3	1990.3	1756.5	1505.6	1284.7	1085.2	946.9	869.7	833.2
2212.3	12.5°	2200.5	2138.3	1906.6	1571.0	1231.1	960.8	775.3	706.7	685.2	677.7
2248.7	15°	2234.8	2141.5	1801.5	1358.7	957.6	726.0	658.4	657.3	661.6	659.5
2304.5	17.5°	2282.0	2144.7	1682.5	1133.5	738.8	640.2	637.0	646.6	653.1	649.8
2374.2	20°	2343.1	2157.6	1556.0	910.4	634.8	618.7	626.3	634.8	640.2	634.8
2467.5	22.5°	2428.9	2180.1	1417.6	731.3	601.6	605.9	612.3	622.0	627.3	619.8
2586.5	25°	2534.0	2215.5	1281.5	635.9	585.5	590.9	600.5	611.2	617.7	610.2
2736.6	27.5°	2670.1	2272.3	1156.0	614.5	569.4	572.6	586.6	602.7	611.2	601.6
2950.0	30°	2867.5	2365.6	1047.7	624.1	559.8	552.3	571.6	594.1	603.7	595.2
3240.6	32.5°	3129.1	2497.5	981.2	639.1	555.5	528.7	546.9	575.9	591.9	586.6
3620.2	35°	3472.3	2698.0	955.5	656.3	552.3	504.0	516.9	548.0	575.9	581.2
4098.5	37.5°	3888.3	2976.8	963.0	663.8	542.6	483.6	490.1	516.9	553.3	570.5
4636.8	40°	4361.2	3301.8	1005.9	656.3	531.9	466.5	467.5	487.9	520.1	545.8
5215.9	42.5°	4849.2	3681.4	1085.2	628.4	522.2	451.5	448.2	462.2	483.6	501.9
5793.9	45°	5313.5	4071.7	1163.5	589.8	510.4	436.4	428.9	434.3	438.6	446.1
6356.9	47.5°	5718.8	4346.2	1141.0	554.4	494.4	419.3	406.4	404.3	391.4	390.3
6859.8	50°	5998.7	4406.3	1013.4	519.0	470.8	400.0	379.6	366.7	344.2	333.5
7236.2	52.5°	6087.7	4169.3	827.9	483.6	432.2	374.2	345.3	324.9	297.0	287.4
7452.8	55°	5969.8	3705.0	661.6	440.7	378.5	339.9	307.8	281.0	258.4	246.6
7476.4	57.5°	5681.3	3114.1	523.3	390.3	321.7	301.3	269.2	242.4	223.0	211.3
7214.7	60°	5203.0	2472.8	413.9	330.3	274.5	259.5	226.3	209.1	192.0	178.0
6539.2	62.5°	4477.0	1765.1	324.9	261.7	229.5	212.3	193.0	180.2	159.8	140.5
5324.2	65°	3493.7	1079.9	250.9	192.0	184.4	175.9	164.1	152.3	127.6	108.3
3473.3	67.5°	2203.7	511.5	179.1	144.8	145.8	141.5	136.2	126.5	108.3	91.1
1556.0	70°	970.5	247.7	118.0	110.5	108.3	108.3	112.6	109.4	92.2	76.1
540.5	72.5°	330.3	133.0	87.9	83.6	78.3	77.2	94.4	91.1	74.0	59.0
269.2	75°	172.6	89.0	64.3	60.1	47.2	56.8	75.1	70.8	52.5	38.6
178.0	77.5°	112.6	63.3	44.0	38.6	26.8	37.5	55.8	49.3	31.1	19.3
116.9	80°	70.8	41.8	25.7	18.2	12.9	20.4	30.0	21.4	11.8	4.3
68.6	82.5°	37.5	21.4	9.7	6.4	5.4	6.4	7.5	5.4	2.1	0.0
35.4	85°	15.0	7.5	3.2	2.1	1.1	0.0	2.1	1.1	0.0	0.0
6.4	87.5°	5.4	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
2121.1
1981.7
1658.9
1236.4
834.3
675.6
658.4
648.8
633.8
618.7
609.1
601.6
594.1
586.6
581.2
574.8
554.4
509.4
450.4
389.3
334.6
286.3
246.6
209.1
174.8
137.3
105.1
89.0
72.9
55.8
35.4
17.2
3.2
0.0
0.0
0.0
0.0

F REPORT)