

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: P849387

Luminaire Tested: **GLAN-SB6B-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17246 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

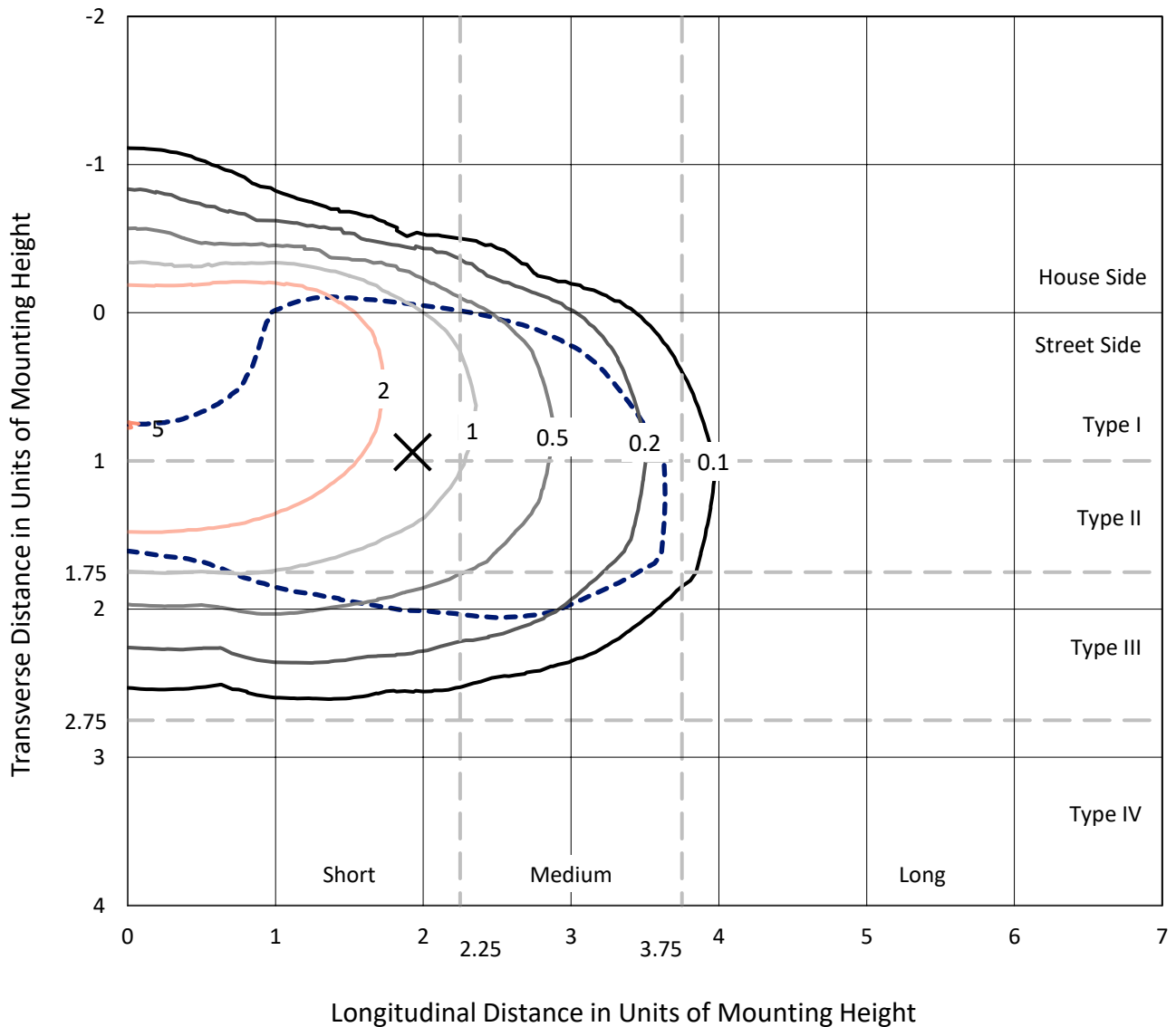
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849387
 CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

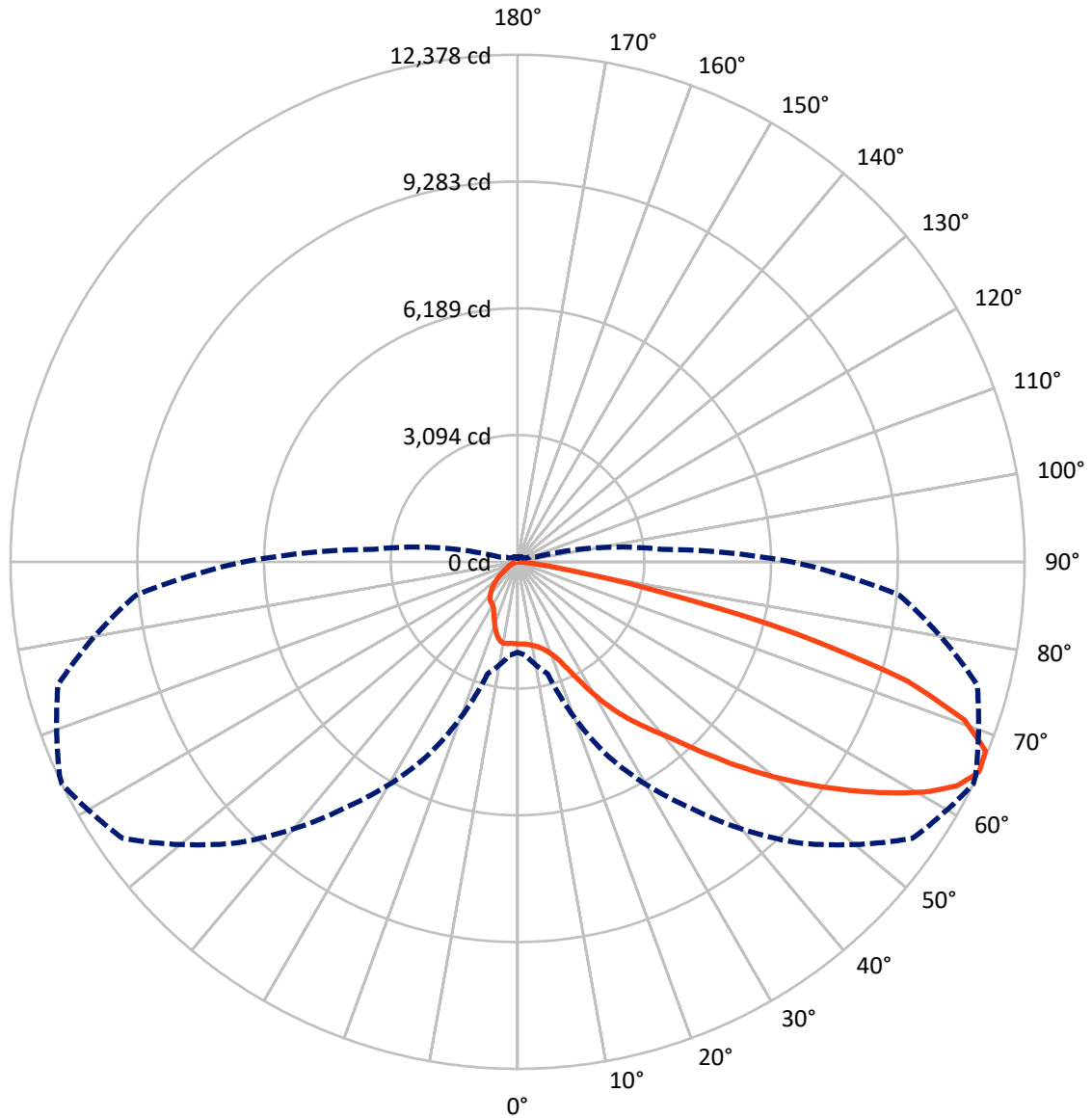
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

REPORT NUMBER: P849387
CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P849387
 CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2306.3	0.0	2306.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	14939.7	0.0	14939.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	17246.0	0.0	17246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.1	1.1
10°-20°	501.9	2.9
20°-30°	951.1	5.5
30°-40°	1924.7	11.2
40°-50°	3278.7	19.0
50°-60°	4458.7	25.9
60°-70°	4187.0	24.3
70°-80°	1677.5	9.7
80°-90°	81.3	0.5
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°	17246.0	100.0
0°-180°	17246.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849387

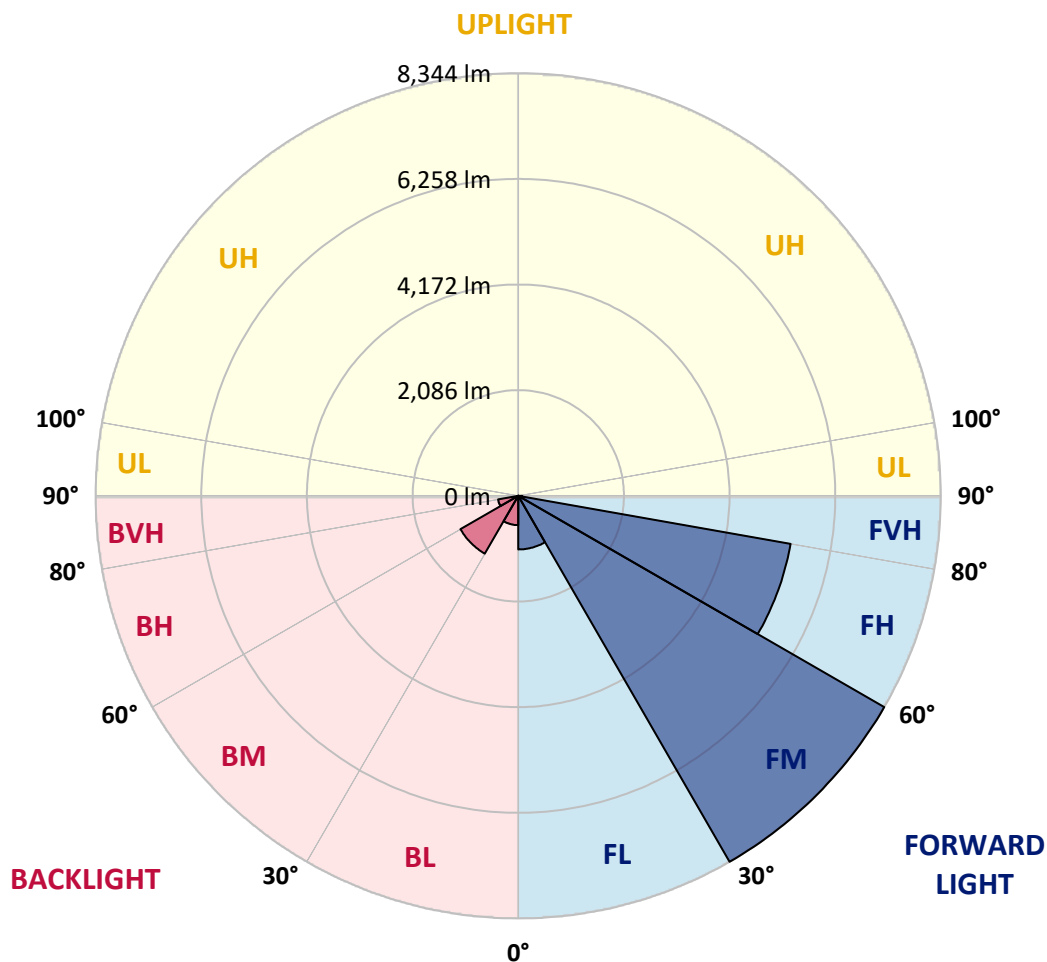
CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1059.1	6.1			
FM (30°-60°)	8343.6	48.4			
FH (60°-80°)	5459.7	31.7			G3/7500
FVH (80°-90°)	77.3	0.4			G1/100
BL (0°-30°)	579.0	3.4	B2/1000		
BM (30°-60°)	1318.5	7.6	B2/2500		
BH (60°-80°)	404.8	2.3	B1/500		G1/500
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short



REPORT NUMBER: P849387
 CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9
2.5°	1999.0	2012.8	2009.4	2005.9	2004.7	2007.0	2008.2	2007.0	2007.0	2007.0
5°	1960.8	1972.4	1972.4	1980.5	1992.0	2005.9	2016.3	2018.6	2020.9	2024.4
7.5°	1888.0	1897.2	1904.1	1930.7	1959.6	1996.6	2027.9	2044.0	2046.4	2059.1
10°	1838.2	1849.8	1861.4	1889.1	1930.7	1986.2	2039.4	2078.7	2084.5	2114.6
12.5°	1835.9	1847.5	1862.5	1892.6	1941.1	2000.1	2064.9	2121.5	2131.9	2175.8
15°	1860.2	1874.1	1888.0	1925.0	1977.0	2048.7	2118.0	2188.6	2199.0	2261.4
17.5°	1909.9	1928.4	1938.8	1975.8	2031.3	2111.1	2202.4	2283.4	2292.6	2365.4
20°	2008.2	2030.2	2033.6	2063.7	2118.0	2203.6	2312.3	2412.8	2424.4	2507.7
22.5°	2211.7	2242.9	2215.1	2230.2	2278.7	2364.3	2482.2	2609.4	2625.6	2720.4
25°	2570.1	2614.0	2542.3	2516.9	2537.7	2626.7	2774.7	2935.4	2953.9	3030.2
27.5°	3274.2	3217.5	3108.8	3002.5	2940.0	2990.9	3157.4	3356.3	3379.4	3453.4
30°	4047.6	3997.9	3851.1	3615.2	3467.2	3459.1	3612.9	3834.9	3861.5	3932.0
32.5°	4822.2	4774.8	4615.3	4325.1	4068.4	3941.3	4047.6	4293.9	4307.7	4352.8
35°	5584.1	5535.6	5376.0	5078.9	4763.3	4474.2	4453.4	4730.9	4735.5	4782.9
37.5°	6350.6	6310.2	6140.2	5848.9	5537.9	5139.0	4945.9	5144.8	5150.6	5196.8
40°	6897.5	6914.8	6798.1	6572.6	6305.5	5869.7	5498.6	5585.3	5550.6	5628.1
42.5°	7366.9	7401.6	7299.8	7186.5	7031.6	6647.8	6183.0	6168.0	6112.5	6154.1
45°	7772.7	7801.6	7710.2	7683.7	7680.2	7410.8	6931.0	6840.8	6763.4	6755.3
47.5°	7921.8	7977.3	8016.6	8105.6	8279.1	8165.8	7704.5	7564.6	7477.9	7414.3
50°	7978.5	8037.4	8171.5	8430.5	8840.9	8889.5	8474.4	8317.2	8210.8	8095.2
52.5°	7902.2	8007.4	8187.7	8623.6	9219.0	9469.9	9213.2	9075.6	8954.2	8765.8
55°	7452.4	7557.6	7926.4	8621.3	9407.4	9876.8	9911.5	9850.2	9713.8	9416.7
57.5°	6504.4	6660.5	7244.3	8327.6	9404.0	10227.1	10595.9	10639.9	10487.3	10061.8
60°	5191.0	5402.6	6114.8	7676.7	9113.8	10416.7	11196.0	11415.6	11253.8	10697.7
62.5°	3622.2	3867.3	4541.3	6657.0	8450.2	10280.3	11634.2	12040.0	11917.4	11266.5
65°	2209.4	2288.0	2831.4	5238.4	7321.8	9709.2	11769.4	12377.5	12337.1	11614.5
67.5°	1471.8	1537.7	1693.7	3592.1	5683.5	8568.1	11445.7	12318.6	12330.1	11557.9
70°	886.8	943.4	1045.1	2089.1	3683.4	6781.9	10443.3	11567.1	11634.2	10800.6
72.5°	365.3	403.5	496.0	946.9	1907.6	4304.3	8316.1	9931.2	10087.3	9081.4
75°	206.9	226.6	291.3	475.2	827.8	2005.9	5037.3	7050.1	7280.2	6259.3
77.5°	137.6	146.8	188.4	307.5	465.9	684.4	2152.7	3673.0	4112.4	3418.7
80°	92.5	100.6	129.5	205.8	302.9	293.7	685.6	1360.8	1674.1	1174.6
82.5°	62.4	63.6	92.5	135.3	191.9	142.2	202.3	423.1	531.8	339.9
85°	35.8	34.7	68.2	78.6	85.6	59.0	61.3	127.2	166.5	143.4
87.5°	4.6	6.9	26.6	20.8	11.6	12.7	12.7	22.0	32.4	34.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849387
 CATALOG NUMBER: GLAN-SB6B-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2005.9	0°	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9	2005.9
2008.2	2.5°	2008.2	2007.0	2003.6	2000.1	1992.0	1987.4	1989.7	1987.4	1986.2	1987.4
2023.2	5°	2023.2	2019.8	2010.5	1999.0	1982.8	1963.1	1950.4	1931.9	1914.6	1904.1
2063.7	7.5°	2063.7	2060.2	2047.5	2015.1	1963.1	1881.0	1805.9	1740.0	1690.3	1661.4
2128.4	10°	2128.4	2122.7	2103.0	2031.3	1894.9	1715.7	1566.6	1442.9	1361.9	1323.8
2204.7	12.5°	2204.7	2197.8	2163.1	2016.3	1765.4	1485.6	1279.8	1142.3	1067.1	1033.6
2292.6	15°	2294.9	2285.7	2217.5	1944.6	1577.0	1231.3	1042.8	939.9	891.4	861.3
2404.8	17.5°	2407.1	2390.9	2257.9	1837.1	1372.3	1037.1	897.2	819.7	776.9	748.0
2551.6	20°	2552.7	2526.1	2290.3	1708.8	1183.9	914.5	798.9	734.1	701.8	676.3
2759.7	22.5°	2756.2	2718.1	2329.6	1570.0	1050.9	830.1	726.1	678.6	652.1	623.2
3049.9	25°	3008.3	2963.2	2378.2	1441.7	959.6	757.3	672.9	633.6	602.3	568.8
3430.2	27.5°	3360.9	3279.9	2436.0	1336.5	881.0	694.8	624.3	580.4	544.5	516.8
3861.5	30°	3754.0	3621.0	2486.8	1272.9	809.3	637.0	560.7	516.8	483.3	463.6
4248.8	32.5°	4126.2	3945.9	2520.4	1245.2	744.5	571.1	491.4	444.0	418.5	412.7
4628.0	35°	4477.7	4239.5	2516.9	1218.6	686.7	505.2	423.1	374.6	354.9	358.4
5036.1	37.5°	4882.3	4552.8	2492.6	1176.9	639.3	445.1	364.2	321.4	304.1	305.2
5532.1	40°	5352.9	4914.7	2477.6	1098.3	587.3	389.6	315.6	280.9	268.2	263.6
6054.7	42.5°	5854.7	5265.0	2479.9	1009.3	522.6	339.9	282.1	253.2	241.6	238.2
6636.2	45°	6358.7	5599.1	2483.4	916.8	454.4	301.8	257.8	233.5	226.6	222.0
7225.8	47.5°	6832.7	5883.6	2418.6	817.4	387.3	272.8	238.2	222.0	216.2	210.4
7817.8	50°	7274.4	6073.2	2262.6	701.8	334.1	249.7	223.1	211.6	205.8	200.0
8354.2	52.5°	7617.8	6103.2	2004.7	582.7	297.1	232.4	213.9	203.5	196.5	190.8
8787.8	55°	7770.4	5914.8	1638.2	471.7	268.2	217.4	204.6	194.2	186.1	180.4
9128.8	57.5°	7731.1	5518.2	1277.5	379.2	240.5	202.3	193.1	186.1	176.9	167.6
9405.1	60°	7538.0	4987.6	963.1	315.6	215.0	186.1	180.4	174.6	161.9	148.0
9511.5	62.5°	7203.9	4320.5	686.7	261.3	187.3	167.6	165.3	160.7	142.2	116.8
9354.3	65°	6692.8	3510.0	462.5	217.4	160.7	146.8	148.0	139.9	115.6	86.7
8778.5	67.5°	5946.0	2566.6	296.0	178.0	134.1	122.5	123.7	119.1	98.3	74.0
7687.1	70°	4994.5	1699.5	193.1	135.3	107.5	94.8	101.7	102.9	83.2	60.1
5899.7	72.5°	3661.5	1003.5	135.3	100.6	78.6	65.9	83.2	85.6	67.1	45.1
3549.3	75°	2086.8	476.3	101.7	72.8	48.6	46.2	64.7	64.7	46.2	30.1
1536.5	77.5°	876.3	198.9	71.7	47.4	27.7	26.6	43.9	40.5	23.1	13.9
374.6	80°	253.2	89.0	38.2	23.1	11.6	10.4	17.3	12.7	5.8	2.3
142.2	82.5°	99.4	39.3	15.0	9.2	4.6	4.6	2.3	0.0	0.0	0.0
80.9	85°	59.0	16.2	6.9	3.5	1.2	0.0	0.0	0.0	0.0	0.0
17.3	87.5°	15.0	3.5	2.3	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°
<hr/>
2005.9
1992.0
1906.5
1662.5
1320.3
1030.1
862.5
745.7
671.7
618.5
565.3
511.0
460.1
416.2
358.4
309.8
262.4
237.0
222.0
210.4
200.0
189.6
179.2
166.5
145.7
114.5
84.4
70.5
57.8
42.8
27.7
13.9
2.3
0.0
0.0
0.0
0.0

F REPORT)