

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: P848535

Luminaire Tested: **GLAN-SB5A-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848535
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-SB5A-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 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: 10656 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

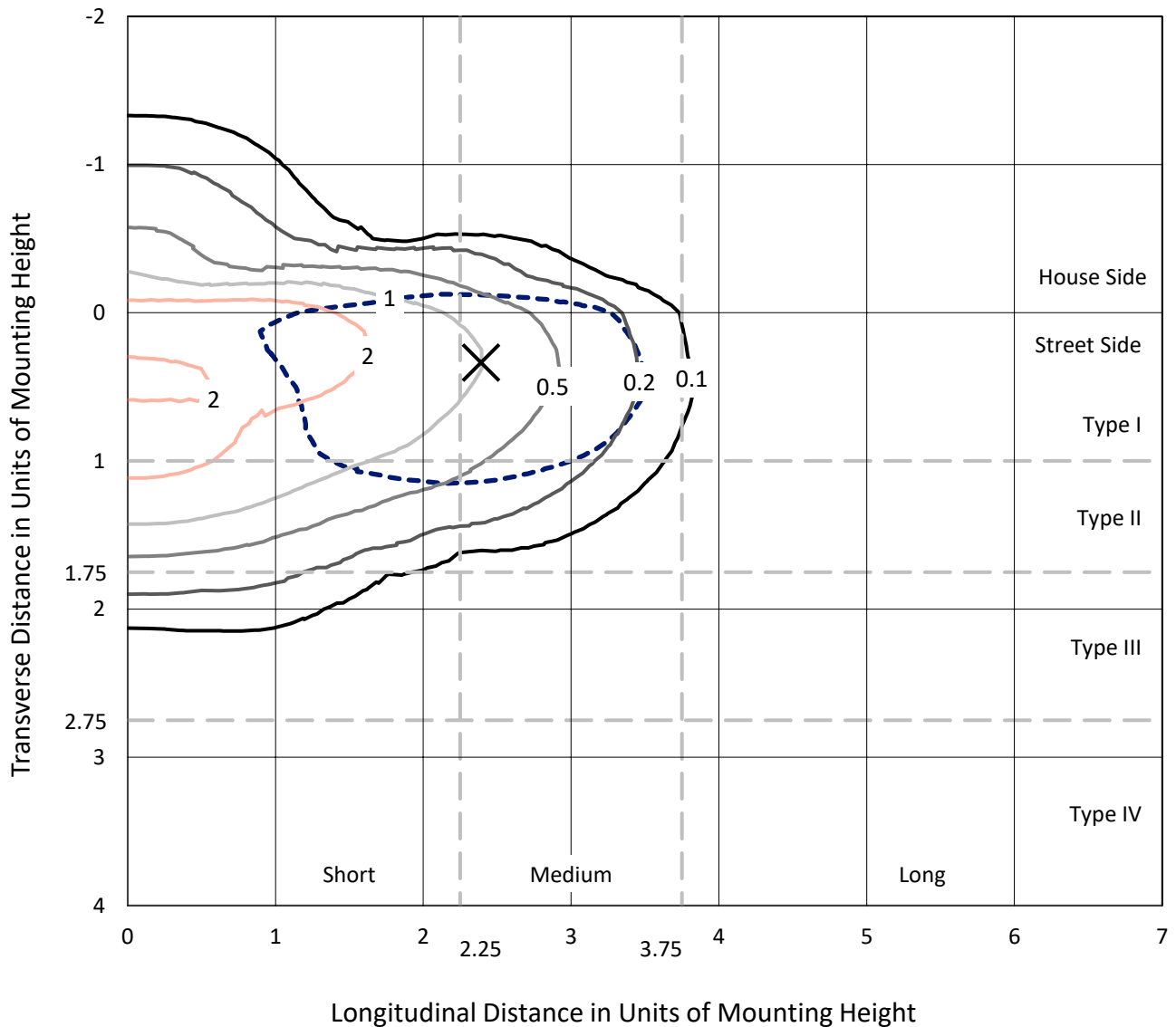
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848535
 CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

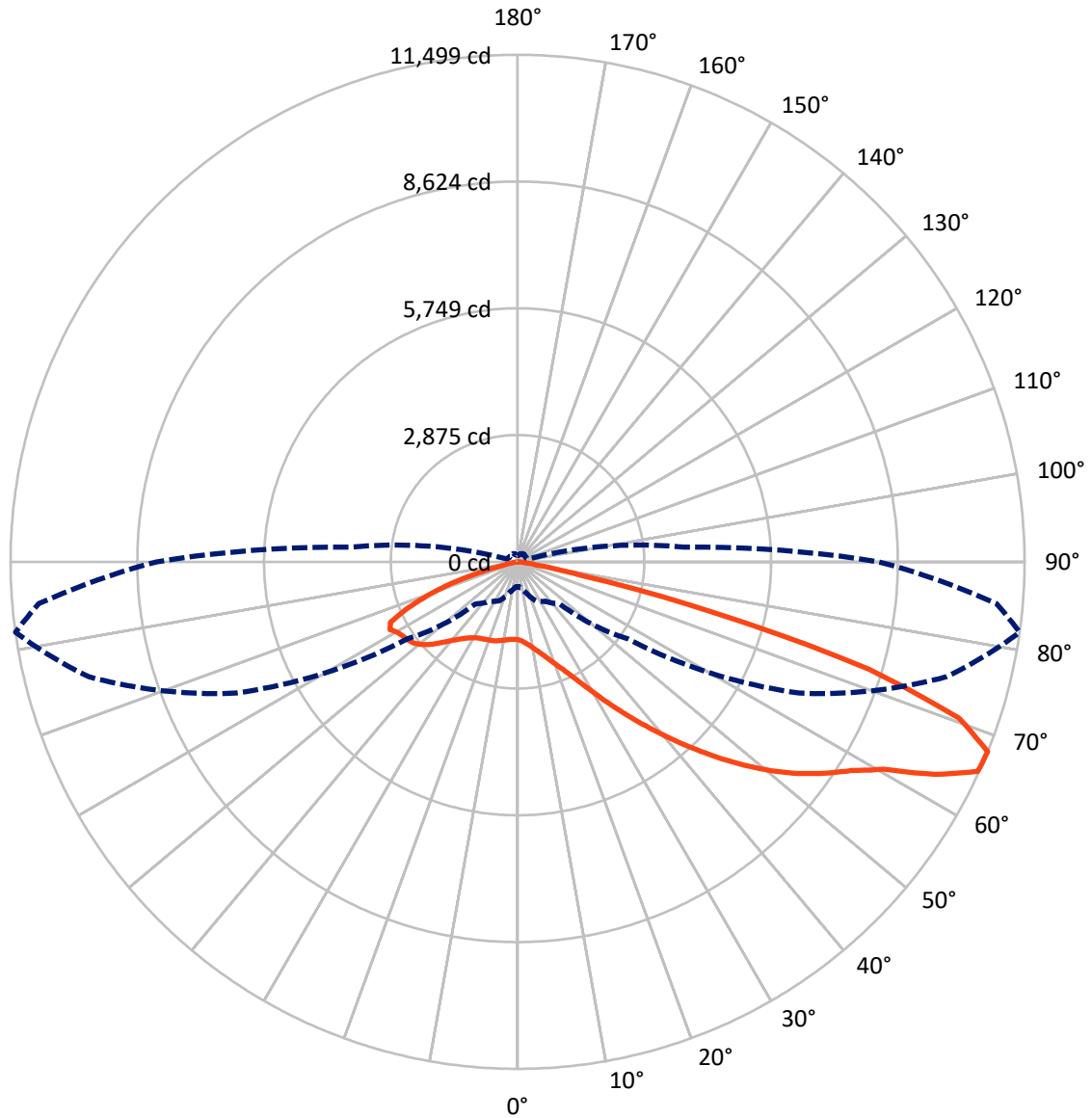
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P848535
CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848535
 CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1930.2	0.0	1930.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8725.8	0.0	8725.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	10656.0	0.0	10656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.3	1.5
10°-20°	408.7	3.8
20°-30°	654.6	6.1
30°-40°	1157.6	10.9
40°-50°	2028.1	19.0
50°-60°	2705.0	25.4
60°-70°	2518.2	23.6
70°-80°	966.5	9.1
80°-90°	60.0	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°	10656.0	100.0
0°-180°	10656.0	100.0

Coefficient of Utilization

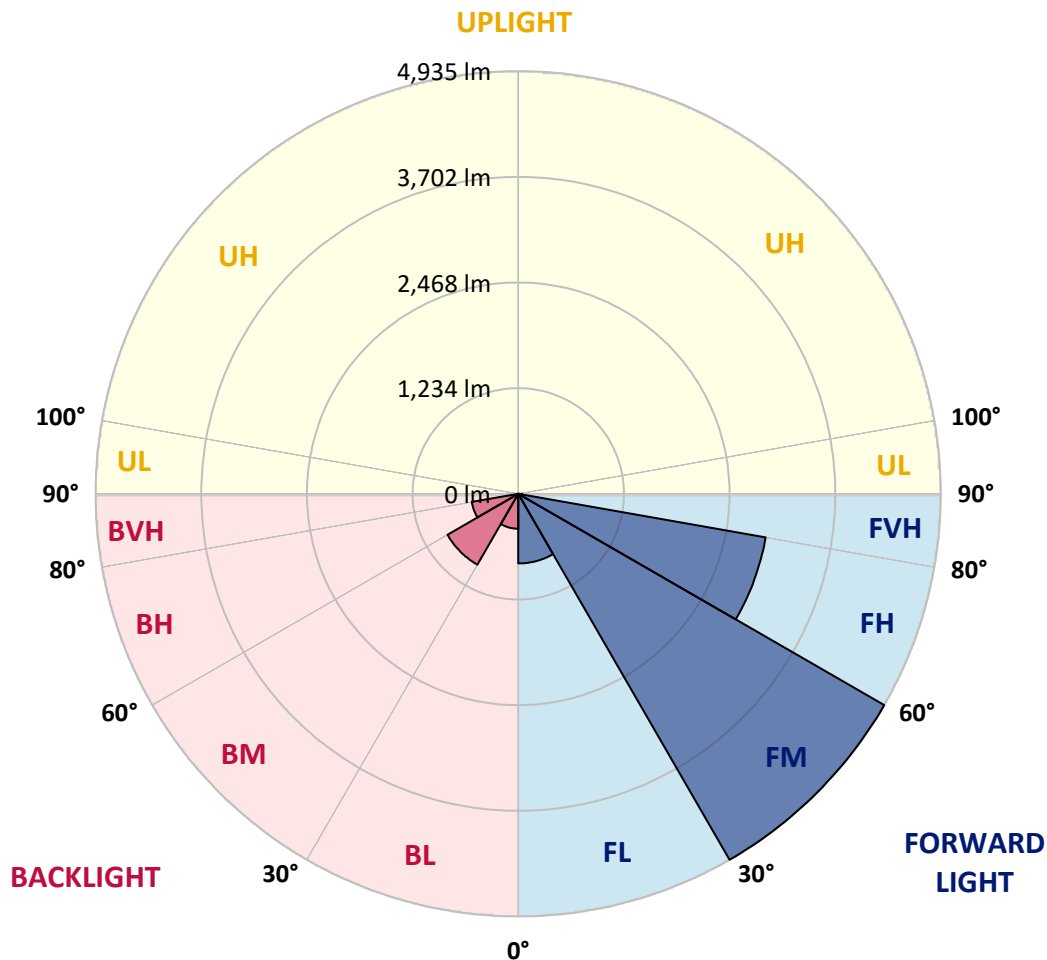


REPORT NUMBER: P848535
 CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	812.9	7.6			
FM (30°-60°)	4935.4	46.3			
FH (60°-80°)	2933.8	27.5			G2/5000
FVH (80°-90°)	43.6	0.4			G1/100
BL (0°-30°)	407.7	3.8	B1/500		
BM (30°-60°)	955.3	9.0	B1/1000		
BH (60°-80°)	550.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.4	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: P848535
 CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3
2.5°	1865.8	1876.6	1870.4	1867.4	1862.0	1854.3	1848.2	1829.0	1809.1	1796.0
5°	1903.4	1914.2	1913.4	1916.5	1920.3	1922.6	1921.1	1899.6	1871.2	1849.0
7.5°	1871.2	1883.5	1893.5	1908.8	1935.7	1964.0	1977.9	1973.3	1944.1	1913.4
10°	1779.9	1793.0	1816.7	1852.8	1909.6	1970.9	2022.4	2046.1	2027.7	1994.0
12.5°	1612.7	1625.7	1672.5	1750.8	1845.9	1952.5	2050.7	2114.4	2119.0	2085.3
15°	1424.7	1437.7	1487.6	1585.8	1730.8	1901.9	2066.1	2186.5	2227.2	2198.0
17.5°	1308.1	1319.6	1357.2	1436.2	1587.3	1800.6	2060.7	2263.3	2356.1	2333.1
20°	1272.8	1282.8	1300.4	1355.7	1481.5	1695.5	2025.4	2335.4	2495.0	2481.9
22.5°	1310.4	1319.6	1325.0	1349.5	1428.5	1626.5	1980.9	2409.0	2656.1	2657.6
25°	1397.1	1406.3	1400.1	1415.5	1450.0	1605.0	1964.0	2495.7	2858.6	2875.5
27.5°	1539.8	1540.5	1526.0	1525.2	1530.6	1637.2	1981.7	2588.5	3114.1	3145.5
30°	1825.9	1814.4	1758.4	1697.8	1670.2	1733.9	2030.8	2698.3	3415.6	3471.6
32.5°	2267.1	2250.2	2147.4	2002.4	1856.6	1889.6	2119.0	2823.3	3744.0	3845.2
35°	2745.8	2741.2	2633.8	2418.2	2163.5	2111.3	2262.5	2987.5	4102.2	4263.4
37.5°	3190.8	3188.5	3127.1	2873.2	2563.2	2420.5	2492.6	3202.3	4485.8	4719.1
40°	3597.4	3604.3	3543.0	3315.9	3003.6	2817.2	2805.7	3467.8	4912.4	5215.5
42.5°	3948.8	3956.5	3894.3	3726.3	3438.6	3256.0	3190.0	3793.1	5329.0	5748.7
45°	4187.4	4235.0	4225.8	4091.5	3885.1	3695.6	3651.9	4201.2	5803.9	6314.1
47.5°	4254.9	4298.6	4367.7	4386.1	4260.3	4073.9	4126.0	4693.0	6284.2	6880.3
50°	4088.4	4129.1	4272.6	4463.6	4551.1	4493.5	4587.1	5220.1	6776.0	7445.0
52.5°	3760.1	3801.5	3982.6	4284.8	4641.6	4822.7	5049.7	5739.5	7252.4	7979.7
55°	3285.2	3328.9	3561.4	3903.5	4469.0	4958.4	5435.6	6258.1	7688.9	8460.7
57.5°	2639.2	2671.4	2913.1	3391.8	4034.7	4823.4	5720.3	6824.3	8100.1	8933.3
60°	1720.1	1748.5	2029.3	2563.2	3315.1	4372.3	5777.1	7455.7	8646.4	9547.9
62.5°	1143.9	1163.1	1329.6	1721.6	2334.6	3506.1	5444.9	7959.8	9447.4	10617.3
65°	784.9	804.0	970.5	1243.6	1508.3	2319.3	4489.7	7893.0	10173.1	11466.6
67.5°	560.1	576.2	717.3	975.1	1091.7	1347.2	3043.5	7039.9	10068.8	11498.9
70°	401.2	410.5	527.1	759.5	867.7	809.4	1692.5	5384.2	8816.0	10618.1
72.5°	280.8	283.9	366.0	578.5	698.9	590.7	805.6	3589.8	6667.8	8334.1
75°	190.3	194.1	246.3	424.3	560.8	451.1	426.6	1924.9	3914.3	4613.2
77.5°	116.6	118.1	158.8	290.0	419.7	343.7	274.7	815.5	1514.5	1486.8
80°	66.0	66.0	101.3	180.3	286.2	221.7	192.6	346.8	479.5	421.2
82.5°	36.8	37.6	73.7	112.0	189.5	131.2	105.9	160.3	207.1	183.4
85°	15.3	16.9	45.3	52.9	90.5	65.2	43.0	67.5	76.7	68.3
87.5°	1.5	2.3	13.8	10.0	10.7	13.0	6.1	13.0	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848535
 CATALOG NUMBER: GLAN-SB5A-927-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1765.3	0°	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3	1765.3
1791.4	2.5°	1776.8	1765.3	1736.2	1702.4	1657.9	1636.4	1607.3	1587.3	1570.5	1572.0
1835.9	5°	1811.4	1782.2	1717.0	1635.7	1534.4	1462.3	1385.6	1332.6	1289.7	1280.5
1897.3	7.5°	1858.9	1812.9	1698.6	1552.1	1381.0	1251.3	1135.5	1061.0	1008.1	991.2
1971.7	10°	1920.3	1853.6	1674.8	1446.9	1200.7	1035.7	911.4	853.1	817.1	804.8
2059.2	12.5°	1991.7	1900.4	1643.4	1318.8	1015.0	856.2	777.2	748.0	736.5	732.7
2166.6	15°	2081.4	1958.7	1595.8	1166.9	857.7	746.5	712.7	708.9	710.4	708.9
2295.5	17.5°	2188.1	2022.4	1518.3	1010.4	751.9	690.5	678.2	681.3	685.1	684.3
2439.7	20°	2304.7	2085.3	1419.3	871.5	679.7	650.6	643.7	646.8	649.8	648.3
2606.2	22.5°	2437.4	2152.8	1309.6	763.4	631.4	613.8	606.1	606.9	606.9	603.8
2817.2	25°	2596.2	2227.2	1194.5	686.6	594.6	580.8	571.6	568.5	563.9	554.7
3073.4	27.5°	2785.7	2306.2	1084.1	632.9	565.4	552.4	541.6	534.0	522.5	507.1
3381.1	30°	2999.0	2402.1	990.5	599.2	542.4	529.4	517.1	505.6	488.7	469.5
3734.8	32.5°	3249.9	2504.9	922.2	576.9	521.7	507.9	493.3	479.5	461.1	441.9
4132.2	35°	3549.1	2629.2	882.3	561.6	505.6	487.2	471.1	455.7	441.9	425.0
4564.1	37.5°	3873.6	2761.2	870.0	553.9	494.8	466.5	448.0	437.3	435.8	425.8
5031.3	40°	4228.8	2917.7	879.2	549.3	483.3	446.5	426.6	424.3	428.1	410.5
5530.8	42.5°	4604.8	3103.3	894.6	543.9	467.2	426.6	407.4	407.4	404.3	379.8
6058.6	45°	5011.4	3317.4	909.9	530.9	448.0	406.6	392.0	386.7	373.6	349.8
6589.5	47.5°	5421.1	3535.3	921.4	507.1	425.0	389.7	376.7	364.4	345.2	323.8
7110.5	50°	5810.0	3730.9	909.1	471.8	398.9	373.6	359.8	342.9	322.2	307.6
7603.8	52.5°	6157.6	3900.5	857.0	430.4	371.3	356.8	344.5	326.8	310.0	294.6
8048.7	55°	6459.9	4037.8	764.9	391.3	346.8	342.2	329.9	307.6	284.6	271.6
8489.9	57.5°	6749.9	4142.1	649.8	359.1	324.5	326.1	307.6	287.7	266.2	252.4
9084.5	60°	7135.8	4281.8	533.2	329.1	300.7	305.3	285.4	270.8	244.0	226.3
10104.1	62.5°	7752.6	4498.9	423.5	292.3	273.1	274.7	266.2	248.6	216.4	195.6
10859.8	65°	8242.1	4419.1	333.7	252.4	241.7	244.0	244.0	224.8	190.3	166.5
10900.4	67.5°	8186.8	3783.9	266.2	213.3	211.7	213.3	218.7	202.5	168.8	149.6
10070.3	70°	7541.6	3009.7	213.3	177.2	184.1	180.3	195.6	184.9	151.9	132.7
7807.1	72.5°	6153.8	2168.1	162.6	146.5	141.2	147.3	176.5	166.5	126.6	105.1
4135.2	75°	3595.9	1156.9	121.2	115.8	102.0	122.8	156.5	141.9	96.7	77.5
1267.4	77.5°	1170.8	403.5	89.0	85.2	76.0	99.0	133.5	119.7	79.0	61.4
371.3	80°	313.8	122.0	60.6	56.0	49.1	73.7	105.9	95.1	56.8	39.9
159.6	82.5°	125.8	51.4	35.3	31.5	26.9	50.6	83.6	76.7	42.2	25.3
49.9	85°	40.7	16.9	13.0	10.0	12.3	31.5	49.9	52.2	29.9	13.0
7.7	87.5°	5.4	2.3	2.3	3.1	2.3	5.4	15.3	14.6	8.4	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°
<hr/>
1765.3
1556.7
1259.8
974.4
795.6
730.4
708.1
682.8
647.5
602.3
553.2
505.6
468.0
442.7
423.5
425.0
411.2
379.8
349.1
323.0
305.3
293.1
270.1
250.9
224.0
194.1
164.2
146.5
130.4
102.8
75.2
59.1
39.1
25.3
10.0
0.0
0.0

F REPORT)