

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: P852596

Luminaire Tested: **GLAN-SB5A-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852596
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-SB5A-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 350mA 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: 16573 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

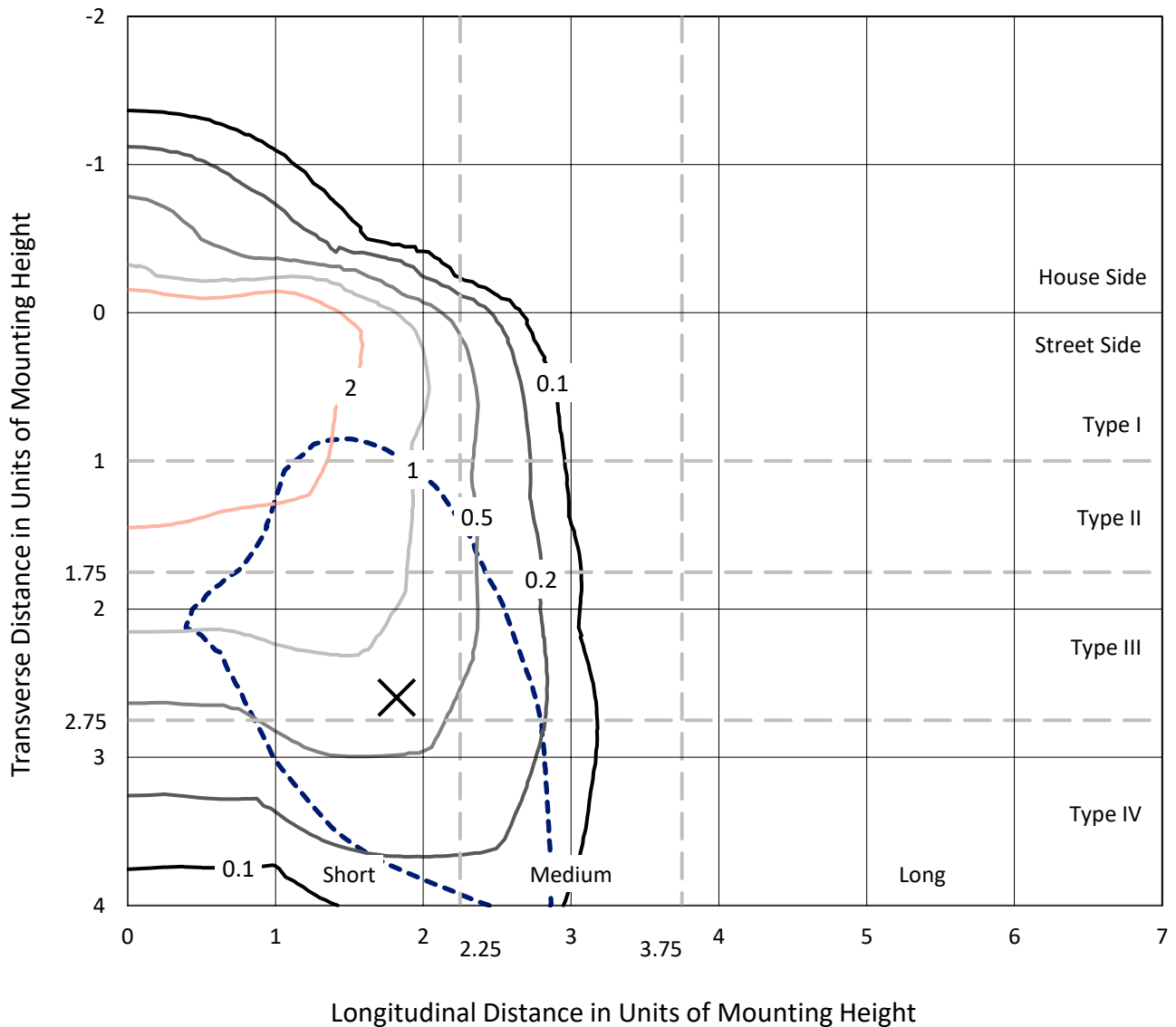
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852596
 CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

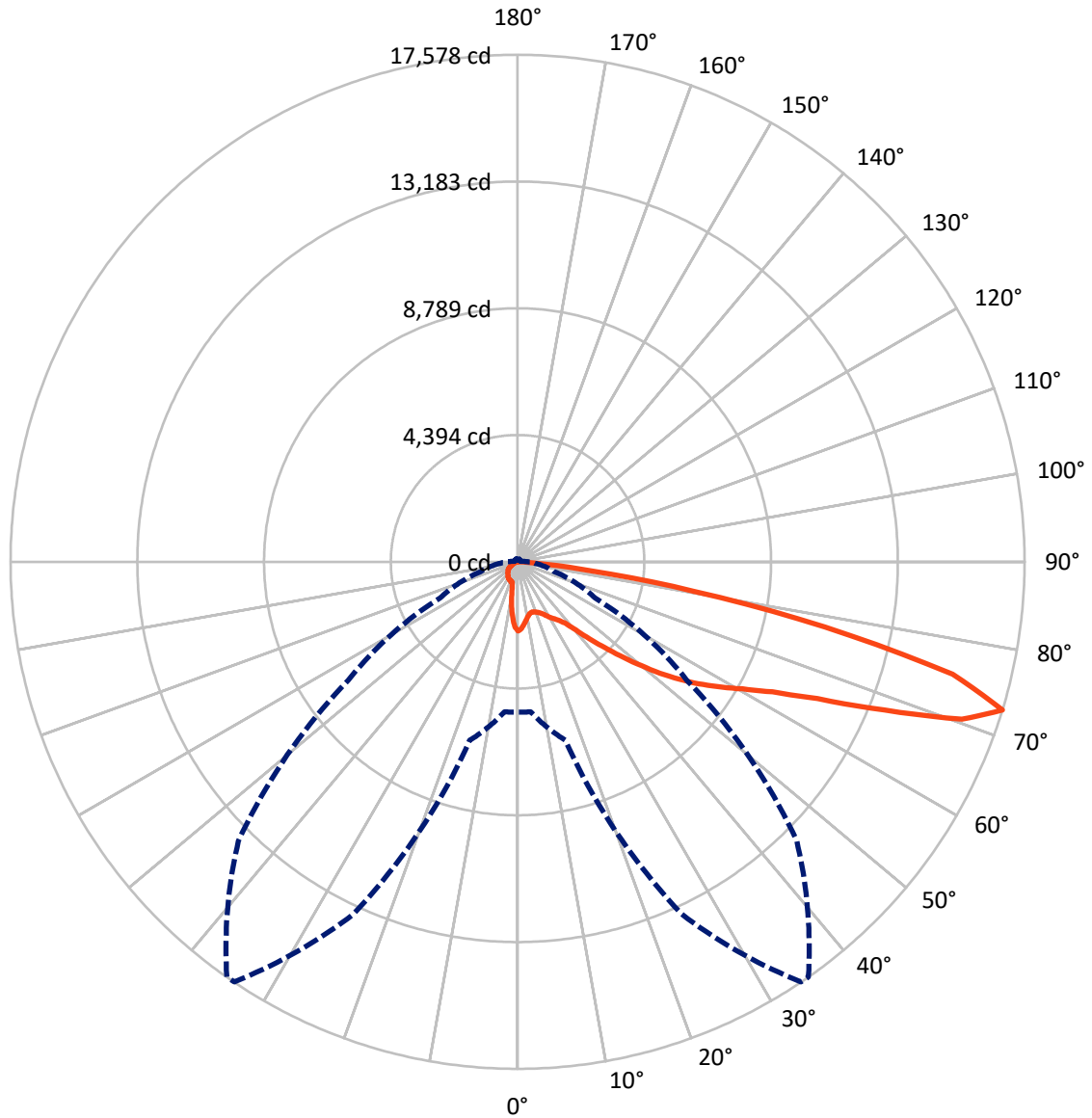
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P852596
CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P852596
 CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1865.2	0.0	1865.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14707.8	0.0	14707.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	16573.0	0.0	16573.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	1.2
10°-20°	461.7	2.8
20°-30°	750.1	4.5
30°-40°	1251.5	7.6
40°-50°	2367.9	14.3
50°-60°	3762.6	22.7
60°-70°	4654.6	28.1
70°-80°	2893.3	17.5
80°-90°	233.8	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°	16573.0	100.0
0°-180°	16573.0	100.0

Coefficient of Utilization



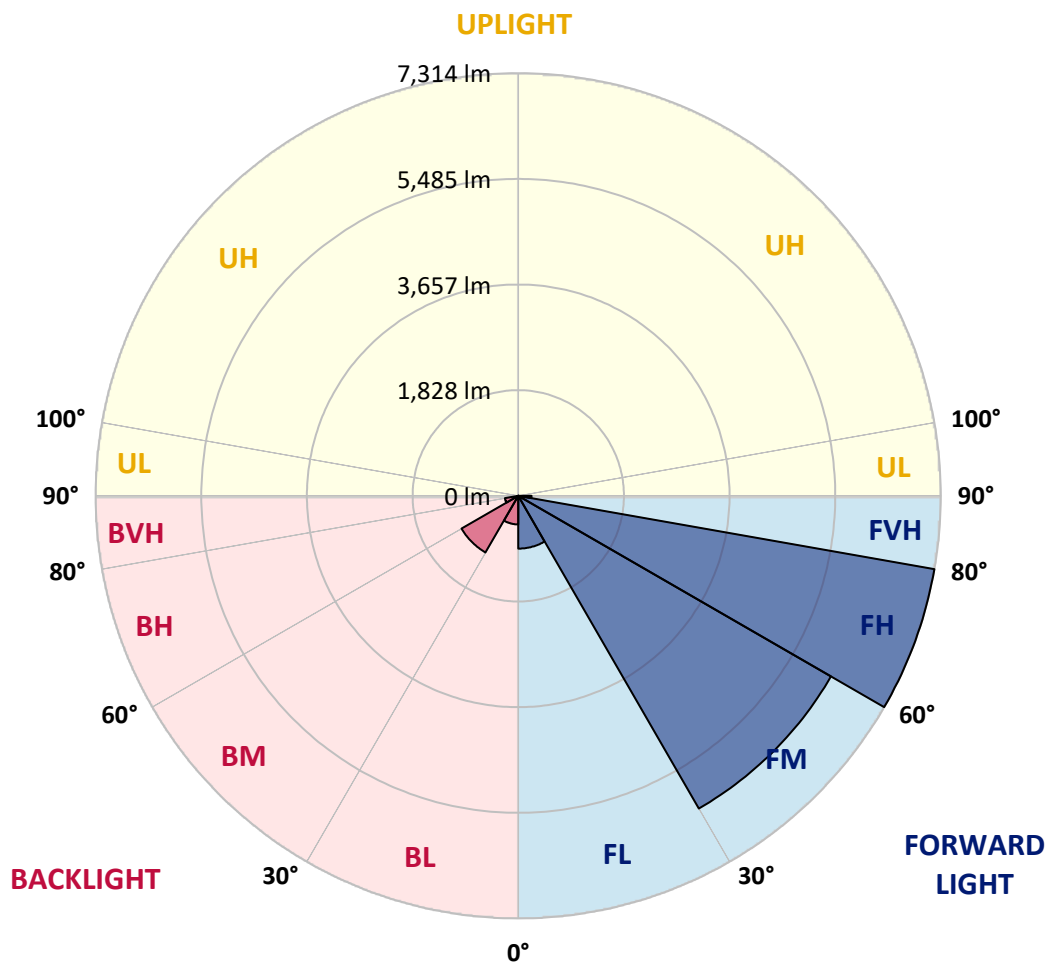
REPORT NUMBER: P852596
 CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	913.6	5.5			
FM (30°-60°)	6249.7	37.7			
FH (60°-80°)	7313.9	44.1			G3/7500
FVH (80°-90°)	230.6	1.4			G3/500
BL (0°-30°)	495.6	3.0	B1/500		
BM (30°-60°)	1132.4	6.8	B2/2500		
BH (60°-80°)	234.1	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	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 IV Short



REPORT NUMBER: P852596
 CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0
2.5°	2295.1	2314.6	2318.2	2324.3	2324.3	2331.6	2343.7	2360.7	2388.6	2403.2
5°	2115.4	2130.0	2148.2	2162.8	2190.7	2194.3	2241.7	2287.8	2352.2	2400.8
7.5°	1934.5	1951.5	1975.7	2011.0	2047.4	2058.3	2130.0	2207.7	2309.7	2400.8
10°	1807.0	1808.2	1830.0	1865.2	1923.5	1936.9	2024.3	2134.8	2262.3	2386.2
12.5°	1735.3	1743.8	1753.5	1780.2	1836.1	1844.6	1938.1	2068.0	2215.0	2377.7
15°	1735.3	1741.4	1747.4	1760.8	1805.7	1813.0	1895.6	2025.5	2190.7	2381.3
17.5°	1753.5	1763.2	1758.4	1774.2	1821.5	1826.4	1899.2	2013.4	2189.5	2404.4
20°	1797.2	1804.5	1794.8	1804.5	1851.9	1861.6	1936.9	2036.5	2210.1	2444.5
22.5°	1866.5	1870.1	1847.0	1854.3	1902.9	1915.0	2002.5	2102.0	2259.9	2508.8
25°	1953.9	1961.2	1926.0	1934.5	1980.6	1995.2	2096.0	2200.4	2338.8	2597.5
27.5°	2054.7	2058.3	2028.0	2026.7	2086.3	2106.9	2208.9	2321.8	2444.5	2709.2
30°	2170.0	2181.0	2151.8	2147.0	2222.3	2239.3	2340.1	2471.2	2599.9	2876.8
32.5°	2261.1	2269.6	2252.6	2264.8	2341.3	2354.6	2499.1	2682.5	2844.0	3114.8
35°	2392.3	2397.1	2358.3	2380.1	2467.6	2501.6	2716.5	2978.8	3151.2	3413.5
37.5°	2867.1	2867.1	2701.9	2593.9	2677.6	2708.0	3014.0	3351.6	3530.1	3814.3
40°	3524.0	3513.1	3271.5	3050.4	3039.5	3099.0	3437.8	3821.6	4019.5	4295.2
42.5°	4224.7	4207.7	3878.6	3660.0	3623.6	3644.3	3927.2	4400.8	4602.4	4881.7
45°	4846.5	4841.6	4540.5	4246.6	4181.0	4246.6	4538.0	5078.4	5222.9	5516.8
47.5°	5367.4	5367.4	5147.6	4955.8	4921.8	4960.6	5365.0	5830.1	5816.7	6193.2
50°	5967.3	5962.5	5753.6	5671.0	5706.2	5760.9	6317.0	6621.8	6431.2	6857.4
52.5°	6387.5	6416.6	6345.0	6331.6	6511.3	6606.1	7283.7	7396.6	6981.3	7487.7
55°	6720.2	6754.2	6836.8	6930.3	7276.4	7400.2	8219.9	8131.3	7441.5	8034.1
57.5°	7191.4	7142.8	7270.3	7454.9	8014.7	8164.1	9127.1	8824.7	7811.9	8477.4
60°	7763.3	7770.6	7792.5	8025.6	8751.8	8943.7	10020.8	9480.4	8049.9	8749.4
62.5°	8450.7	8461.6	8506.5	8864.8	9741.5	9922.4	10972.9	10017.2	8159.2	8672.9
65°	8403.3	8449.4	8951.0	10176.2	11246.1	11424.6	12084.0	10393.6	7994.1	7973.4
67.5°	7655.3	7730.5	8569.7	11742.8	13514.5	13713.6	13427.1	10467.7	7281.2	6200.5
70°	6674.1	6700.8	7709.9	13151.4	16141.1	16342.7	14629.3	9652.9	5525.3	3458.5
72.5°	5212.0	5218.1	6402.1	13478.1	17566.8	17577.7	13685.7	7165.9	2971.5	1328.5
75°	3723.2	3686.8	4287.9	10930.4	15455.0	15578.9	10260.0	3361.3	1135.4	627.8
77.5°	1996.4	2036.5	2426.3	6482.2	10676.6	10887.9	5598.2	969.1	578.0	427.5
80°	616.9	650.9	994.6	2967.9	6047.5	6175.0	2075.3	431.1	403.2	304.8
82.5°	194.3	201.6	463.9	1247.1	2510.1	2568.3	601.1	244.1	275.7	201.6
85°	55.9	57.1	206.4	465.1	620.5	632.7	168.8	94.7	157.9	125.1
87.5°	6.1	19.4	77.7	77.7	54.6	53.4	18.2	20.6	44.9	15.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852596
 CATALOG NUMBER: GLAN-SB5A-730-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2402.0	0°	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0	2402.0
2412.9	2.5°	2406.8	2408.1	2392.3	2365.6	2336.4	2312.1	2281.8	2257.5	2240.5	2235.6
2434.8	5°	2423.8	2415.3	2370.4	2289.0	2191.9	2108.1	2014.6	1940.5	1892.0	1871.3
2457.8	7.5°	2449.3	2425.1	2326.7	2166.4	1980.6	1815.5	1647.9	1517.9	1435.4	1394.1
2479.7	10°	2471.2	2422.6	2253.8	1989.1	1704.9	1454.8	1228.9	1072.3	984.8	943.5
2505.2	12.5°	2491.8	2421.4	2159.1	1779.0	1394.1	1088.1	878.0	800.3	776.0	767.5
2546.5	15°	2530.7	2425.1	2040.1	1538.6	1084.4	822.1	745.6	744.4	749.3	746.8
2609.6	17.5°	2584.1	2428.7	1905.3	1283.6	836.7	725.0	721.3	732.3	739.5	735.9
2688.6	20°	2653.4	2443.3	1762.0	1031.0	718.9	700.7	709.2	718.9	725.0	718.9
2794.2	22.5°	2750.5	2468.8	1605.4	828.2	681.3	686.1	693.4	704.3	710.4	701.9
2929.0	25°	2869.5	2508.8	1451.1	720.1	663.0	669.1	680.0	692.2	699.5	691.0
3099.0	27.5°	3023.7	2573.2	1309.1	695.8	644.8	648.5	664.2	682.5	692.2	681.3
3340.7	30°	3247.2	2678.9	1186.4	706.8	633.9	625.4	647.2	672.7	683.7	674.0
3669.8	32.5°	3543.5	2828.2	1111.1	723.8	629.0	598.7	619.3	652.1	670.3	664.2
4099.6	35°	3932.1	3055.3	1082.0	743.2	625.4	570.7	585.3	620.5	652.1	658.2
4641.2	37.5°	4403.2	3371.0	1090.5	751.7	614.5	547.7	555.0	585.3	626.6	646.0
5250.8	40°	4938.8	3739.0	1139.1	743.2	602.3	528.2	529.5	552.5	589.0	618.1
5906.6	42.5°	5491.3	4168.9	1228.9	711.6	591.4	511.2	507.6	523.4	547.7	568.3
6561.1	45°	6017.1	4610.9	1317.6	667.9	578.0	494.2	485.7	491.8	496.7	505.2
7198.7	47.5°	6476.1	4921.8	1292.1	627.8	559.8	474.8	460.2	457.8	443.2	442.0
7768.2	50°	6793.1	4989.8	1147.6	587.7	533.1	453.0	429.9	415.3	389.8	377.7
8194.4	52.5°	6893.9	4721.4	937.5	547.7	489.4	423.8	391.0	367.9	336.4	325.4
8439.7	55°	6760.3	4195.6	749.3	499.1	428.7	384.9	348.5	318.2	292.7	279.3
8466.4	57.5°	6433.6	3526.5	592.6	442.0	364.3	341.2	304.8	274.4	252.6	239.2
8170.1	60°	5892.0	2800.3	468.7	374.0	310.9	293.9	256.2	236.8	217.4	201.6
7405.1	62.5°	5069.9	1998.8	367.9	296.3	259.9	240.4	218.6	204.0	180.9	159.1
6029.2	65°	3956.4	1222.8	284.2	217.4	208.9	199.2	185.8	172.4	144.5	122.6
3933.3	67.5°	2495.5	579.2	202.8	163.9	165.2	160.3	154.2	143.3	122.6	103.2
1762.0	70°	1099.0	280.5	133.6	125.1	122.6	122.6	127.5	123.9	104.4	86.2
612.0	72.5°	374.0	150.6	99.6	94.7	88.6	87.4	106.9	103.2	83.8	66.8
304.8	75°	195.5	100.8	72.9	68.0	53.4	64.4	85.0	80.1	59.5	43.7
201.6	77.5°	127.5	71.6	49.8	43.7	30.4	42.5	63.1	55.9	35.2	21.9
132.4	80°	80.1	47.4	29.1	20.6	14.6	23.1	34.0	24.3	13.4	4.9
77.7	82.5°	42.5	24.3	10.9	7.3	6.1	7.3	8.5	6.1	2.4	0.0
40.1	85°	17.0	8.5	3.6	2.4	1.2	0.0	2.4	1.2	0.0	0.0
7.3	87.5°	6.1	1.2	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°
<hr/>
2402.0
2244.1
1878.6
1400.1
944.8
765.0
745.6
734.7
717.7
700.7
689.8
681.3
672.7
664.2
658.2
650.9
627.8
576.8
510.0
440.8
378.9
324.2
279.3
236.8
197.9
155.4
119.0
100.8
82.6
63.1
40.1
19.4
3.6
0.0
0.0
0.0
0.0

F REPORT)