

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: P847755

Luminaire Tested: **GLAN-SB4A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847755
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-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 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: 12681 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

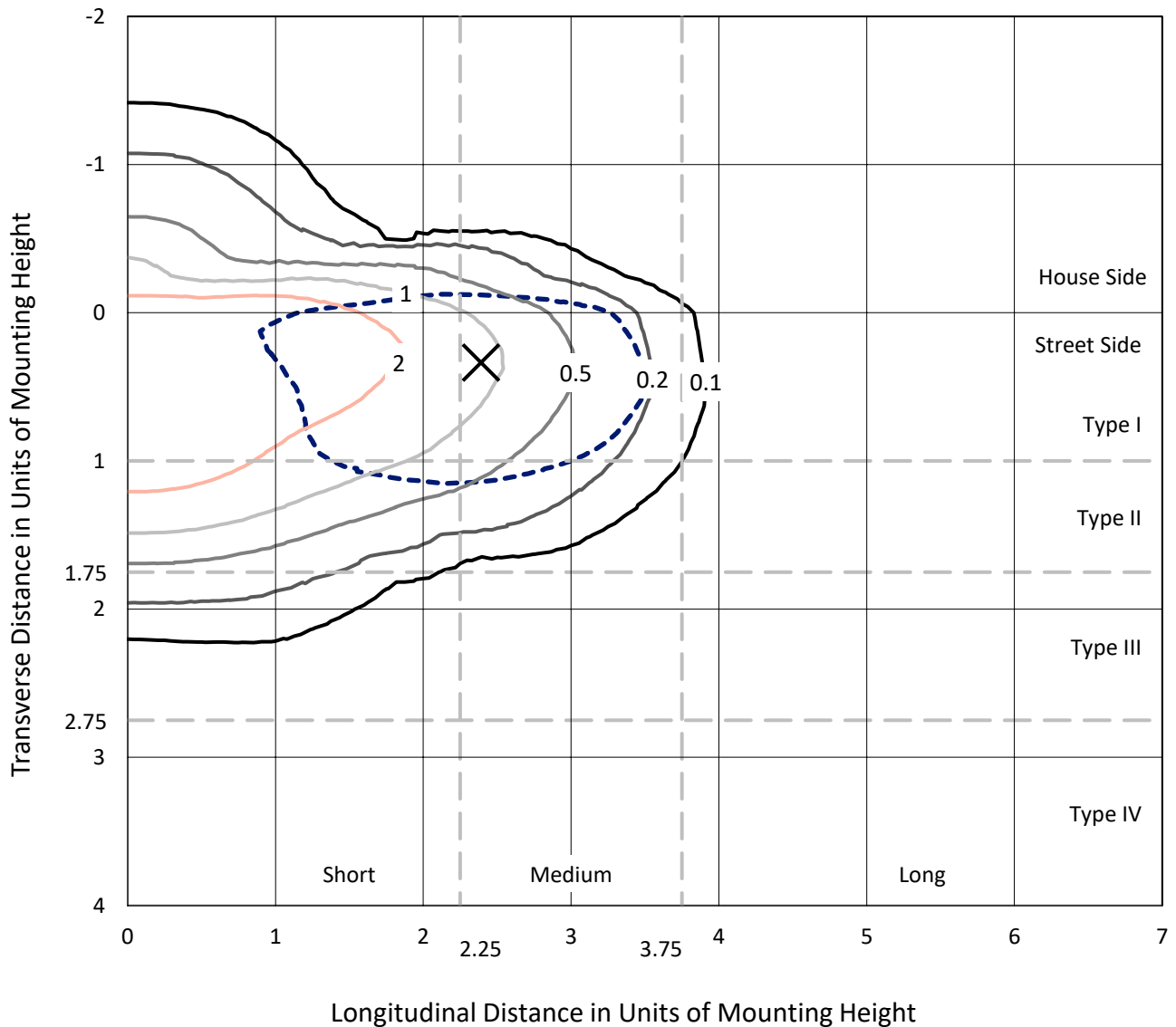
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847755
 CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

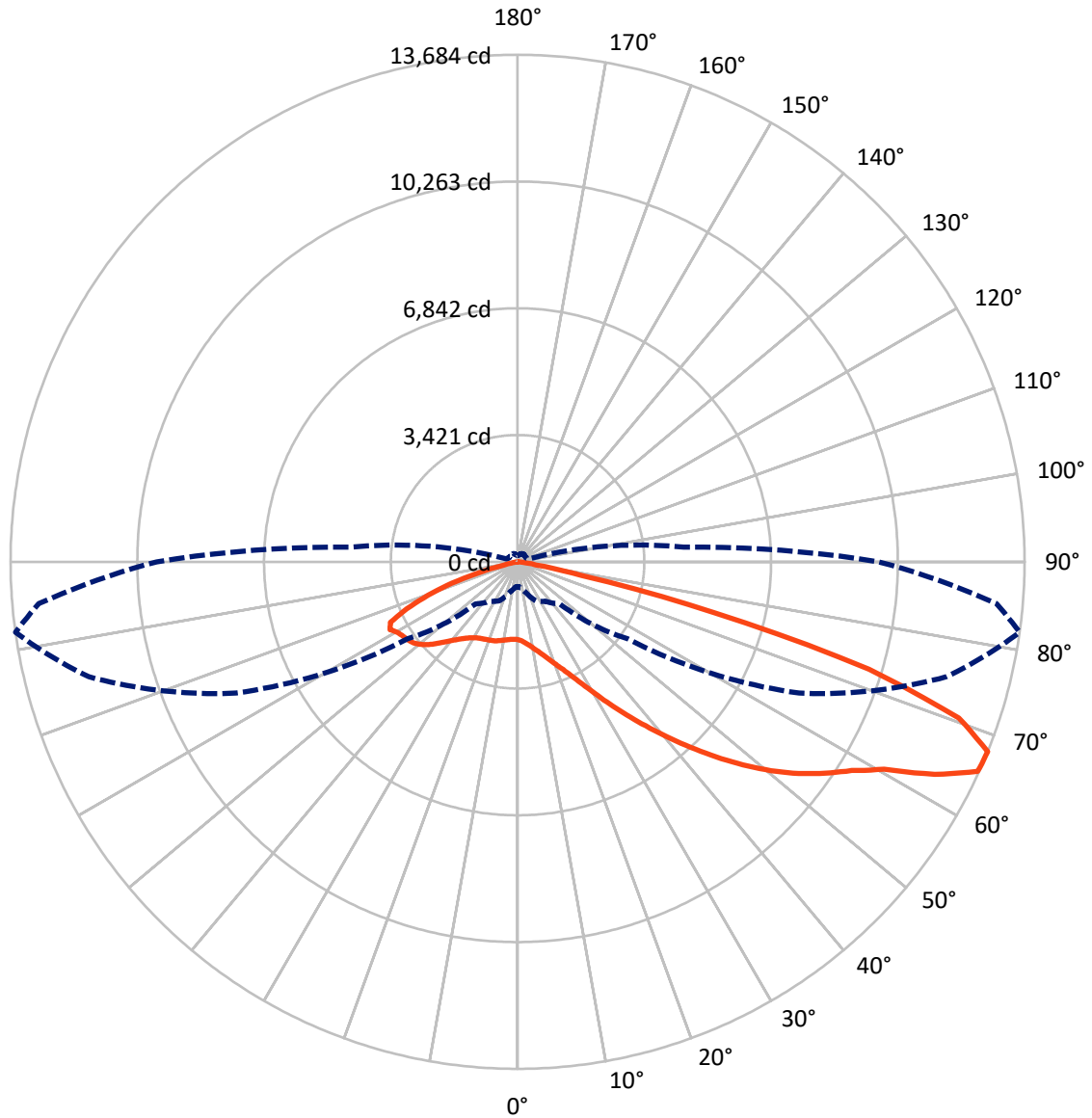
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P847755
CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847755
 CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2297.0	0.0	2297.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10383.9	0.0	10383.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	12681.0	0.0	12681.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	1.5
10°-20°	486.4	3.8
20°-30°	779.0	6.1
30°-40°	1377.5	10.9
40°-50°	2413.6	19.0
50°-60°	3219.0	25.4
60°-70°	2996.7	23.6
70°-80°	1150.1	9.1
80°-90°	71.4	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°	12681.0	100.0
0°-180°	12681.0	100.0

Coefficient of Utilization

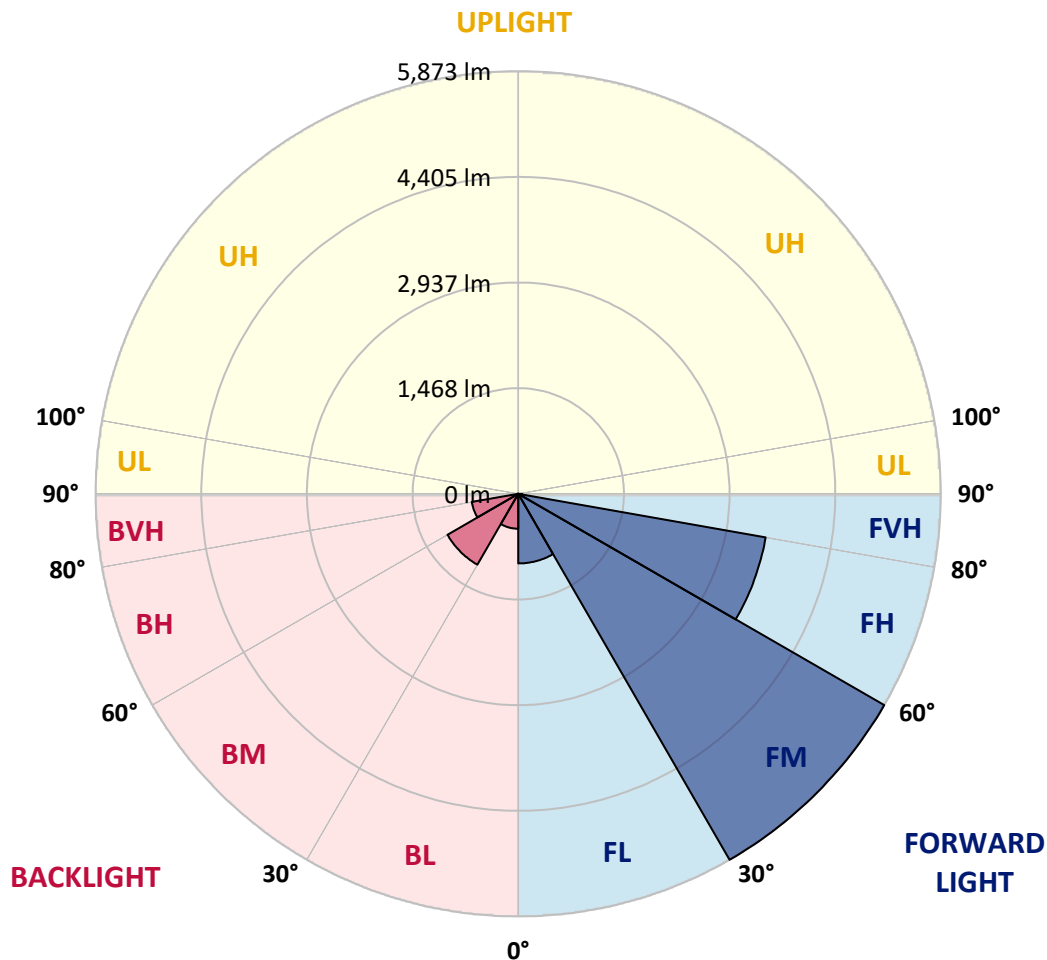


REPORT NUMBER: P847755
 CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	967.4	7.6			
FM (30°-60°)	5873.3	46.3			
FH (60°-80°)	3491.3	27.5			G2/5000
FVH (80°-90°)	51.9	0.4			G1/100
BL (0°-30°)	485.1	3.8	B1/500		
BM (30°-60°)	1136.8	9.0	B2/2500		
BH (60°-80°)	655.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.5	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: P847755
 CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8
2.5°	2220.4	2233.2	2225.9	2222.2	2215.9	2206.7	2199.4	2176.6	2152.9	2137.3
5°	2265.2	2277.9	2277.0	2280.7	2285.2	2288.0	2286.2	2260.6	2226.8	2200.3
7.5°	2226.8	2241.4	2253.3	2271.5	2303.5	2337.3	2353.7	2348.2	2313.5	2277.0
10°	2118.2	2133.7	2162.0	2204.9	2272.5	2345.5	2406.7	2435.0	2413.1	2372.9
12.5°	1919.1	1934.6	1990.3	2083.5	2196.7	2323.6	2440.4	2516.2	2521.7	2481.5
15°	1695.4	1711.0	1770.3	1887.2	2059.7	2263.3	2458.7	2602.0	2650.4	2615.7
17.5°	1556.7	1570.4	1615.1	1709.1	1889.0	2142.8	2452.3	2693.3	2803.8	2776.4
20°	1514.7	1526.5	1547.5	1613.3	1763.0	2017.7	2410.3	2779.2	2969.1	2953.6
22.5°	1559.4	1570.4	1576.8	1606.0	1700.0	1935.6	2357.4	2866.8	3160.8	3162.6
25°	1662.6	1673.5	1666.2	1684.5	1725.6	1910.0	2337.3	2970.0	3401.8	3421.9
27.5°	1832.4	1833.3	1816.0	1815.0	1821.4	1948.3	2358.3	3080.5	3705.9	3743.3
30°	2172.9	2159.2	2092.6	2020.5	1987.6	2063.4	2416.7	3211.0	4064.7	4131.3
32.5°	2697.9	2677.8	2555.5	2382.9	2209.5	2248.7	2521.7	3359.8	4455.4	4576.0
35°	3267.6	3262.1	3134.3	2877.8	2574.7	2512.6	2692.4	3555.2	4881.8	5073.5
37.5°	3797.2	3794.4	3721.4	3419.2	3050.3	2880.5	2966.3	3810.9	5338.3	5615.9
40°	4281.1	4289.3	4216.2	3946.0	3574.4	3352.5	3338.8	4126.8	5845.9	6206.6
42.5°	4699.2	4708.3	4634.4	4434.4	4092.1	3874.8	3796.3	4513.9	6341.7	6841.1
45°	4983.2	5039.8	5028.8	4869.0	4623.4	4397.9	4345.9	4999.6	6906.8	7514.0
47.5°	5063.5	5115.5	5197.7	5219.6	5069.9	4848.0	4910.1	5584.8	7478.4	8187.8
50°	4865.4	4913.8	5084.5	5311.8	5415.9	5347.4	5458.8	6212.1	8063.6	8859.8
52.5°	4474.6	4523.9	4739.4	5099.1	5523.6	5739.1	6009.4	6830.2	8630.6	9496.1
55°	3909.5	3961.5	4238.1	4645.3	5318.2	5900.7	6468.6	7447.3	9150.1	10068.6
57.5°	3140.7	3179.1	3466.7	4036.4	4801.5	5740.0	6807.3	8121.1	9639.5	10631.0
60°	2046.9	2080.7	2414.9	3050.3	3945.1	5203.2	6874.9	8872.5	10289.5	11362.3
62.5°	1361.3	1384.1	1582.2	2048.8	2778.3	4172.4	6479.6	9472.4	11242.7	12635.0
65°	934.0	956.8	1154.9	1480.0	1795.0	2760.0	5342.9	9392.9	12106.4	13645.7
67.5°	666.5	685.7	853.7	1160.4	1299.2	1603.2	3621.9	8377.7	11982.2	13684.0
70°	477.5	488.5	627.2	903.9	1032.6	963.2	2014.1	6407.4	10491.3	12635.9
72.5°	334.2	337.8	435.5	688.4	831.7	703.0	958.6	4271.9	7934.9	9917.9
75°	226.4	231.0	293.1	504.9	667.4	536.8	507.6	2290.7	4658.1	5489.9
77.5°	138.8	140.6	189.0	345.1	499.4	409.0	326.9	970.5	1802.3	1769.4
80°	78.5	78.5	120.5	214.6	340.5	263.9	229.2	412.7	570.6	501.2
82.5°	43.8	44.7	87.6	133.3	225.5	156.1	126.0	190.8	246.5	218.2
85°	18.3	20.1	53.9	63.0	107.7	77.6	51.1	80.3	91.3	81.3
87.5°	1.8	2.7	16.4	11.9	12.8	15.5	7.3	15.5	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847755
 CATALOG NUMBER: GLAN-SB4A-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2100.8	0°	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8	2100.8
2131.9	2.5°	2114.5	2100.8	2066.1	2025.9	1973.0	1947.4	1912.7	1889.0	1868.9	1870.7
2184.8	5°	2155.6	2120.9	2043.3	1946.5	1826.0	1740.2	1648.9	1585.9	1534.8	1523.8
2257.8	7.5°	2212.2	2157.4	2021.4	1847.0	1643.4	1489.1	1351.2	1262.7	1199.7	1179.6
2346.4	10°	2285.2	2205.8	1993.1	1721.9	1428.8	1232.5	1084.6	1015.3	972.3	957.7
2450.5	12.5°	2370.1	2261.5	1955.6	1569.4	1207.9	1018.9	924.9	890.2	876.5	871.9
2578.3	15°	2477.0	2330.9	1899.0	1388.7	1020.7	888.3	848.2	843.6	845.4	843.6
2731.7	17.5°	2603.9	2406.7	1806.8	1202.4	894.7	821.7	807.1	810.7	815.3	814.4
2903.3	20°	2742.7	2481.5	1689.0	1037.2	808.9	774.2	766.0	769.7	773.3	771.5
3101.5	22.5°	2900.6	2561.9	1558.5	908.4	751.4	730.4	721.3	722.2	722.2	718.5
3352.5	25°	3089.6	2650.4	1421.5	817.1	707.6	691.1	680.2	676.5	671.1	660.1
3657.5	27.5°	3315.1	2744.5	1290.1	753.2	672.9	657.4	644.6	635.4	621.8	603.5
4023.6	30°	3568.9	2858.6	1178.7	713.1	645.5	630.0	615.4	601.7	581.6	558.8
4444.5	32.5°	3867.5	2980.9	1097.4	686.6	620.8	604.4	587.1	570.6	548.7	525.9
4917.4	35°	4223.5	3128.9	1049.9	668.3	601.7	579.8	560.6	542.3	525.9	505.8
5431.4	37.5°	4609.7	3285.9	1035.3	659.2	588.9	555.1	533.2	520.4	518.6	506.7
5987.5	40°	5032.5	3472.1	1046.3	653.7	575.2	531.4	507.6	504.9	509.5	488.5
6581.8	42.5°	5479.8	3693.1	1064.6	647.3	556.0	507.6	484.8	484.8	481.2	451.9
7210.0	45°	5963.7	3947.8	1082.8	631.8	533.2	483.9	466.5	460.2	444.6	416.3
7841.8	47.5°	6451.3	4207.1	1096.5	603.5	505.8	463.8	448.3	433.7	410.8	385.3
8461.7	50°	6914.1	4439.9	1081.9	561.5	474.8	444.6	428.2	408.1	383.5	366.1
9048.7	52.5°	7327.7	4641.7	1019.8	512.2	441.9	424.5	409.9	388.9	368.9	350.6
9578.3	55°	7687.5	4805.1	910.3	465.6	412.7	407.2	392.6	366.1	338.7	323.2
10103.3	57.5°	8032.6	4929.3	773.3	427.3	386.2	388.0	366.1	342.4	316.8	300.4
10810.8	60°	8491.8	5095.5	634.5	391.7	357.9	363.4	339.6	322.3	290.3	269.3
12024.2	62.5°	9225.9	5353.8	504.0	347.9	325.0	326.9	316.8	295.8	257.5	232.8
12923.5	65°	9808.4	5258.9	397.2	300.4	287.6	290.3	290.3	267.5	226.4	198.1
12971.9	67.5°	9742.6	4502.9	316.8	253.8	252.0	253.8	260.2	241.0	200.9	178.0
11984.0	70°	8974.8	3581.7	253.8	210.9	219.1	214.6	232.8	220.0	180.8	157.9
9290.7	72.5°	7323.2	2580.1	193.6	174.4	168.0	175.3	210.0	198.1	150.6	125.1
4921.1	75°	4279.2	1376.8	144.3	137.9	121.4	146.1	186.3	168.9	115.0	92.2
1508.3	77.5°	1393.2	480.2	105.9	101.3	90.4	117.8	158.9	142.4	94.0	73.0
441.9	80°	373.4	145.2	72.1	66.6	58.4	87.6	126.0	113.2	67.6	47.5
189.9	82.5°	149.7	61.2	42.0	37.4	32.0	60.3	99.5	91.3	50.2	30.1
59.3	85°	48.4	20.1	15.5	11.9	14.6	37.4	59.3	62.1	35.6	15.5
9.1	87.5°	6.4	2.7	2.7	3.7	2.7	6.4	18.3	17.3	10.0	1.8
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

<u>180°</u>
2100.8
1852.5
1499.1
1159.5
946.8
869.2
842.7
812.6
770.6
716.7
658.3
601.7
556.9
526.8
504.0
505.8
489.4
451.9
415.4
384.4
363.4
348.8
321.4
298.6
266.6
231.0
195.4
174.4
155.2
122.3
89.5
70.3
46.6
30.1
11.9
0.0
0.0

F REPORT)