

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: P846396

Luminaire Tested: **GLAN-SB2A-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8586 lumens  
Efficiency: N/A  
Efficacy: 149.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

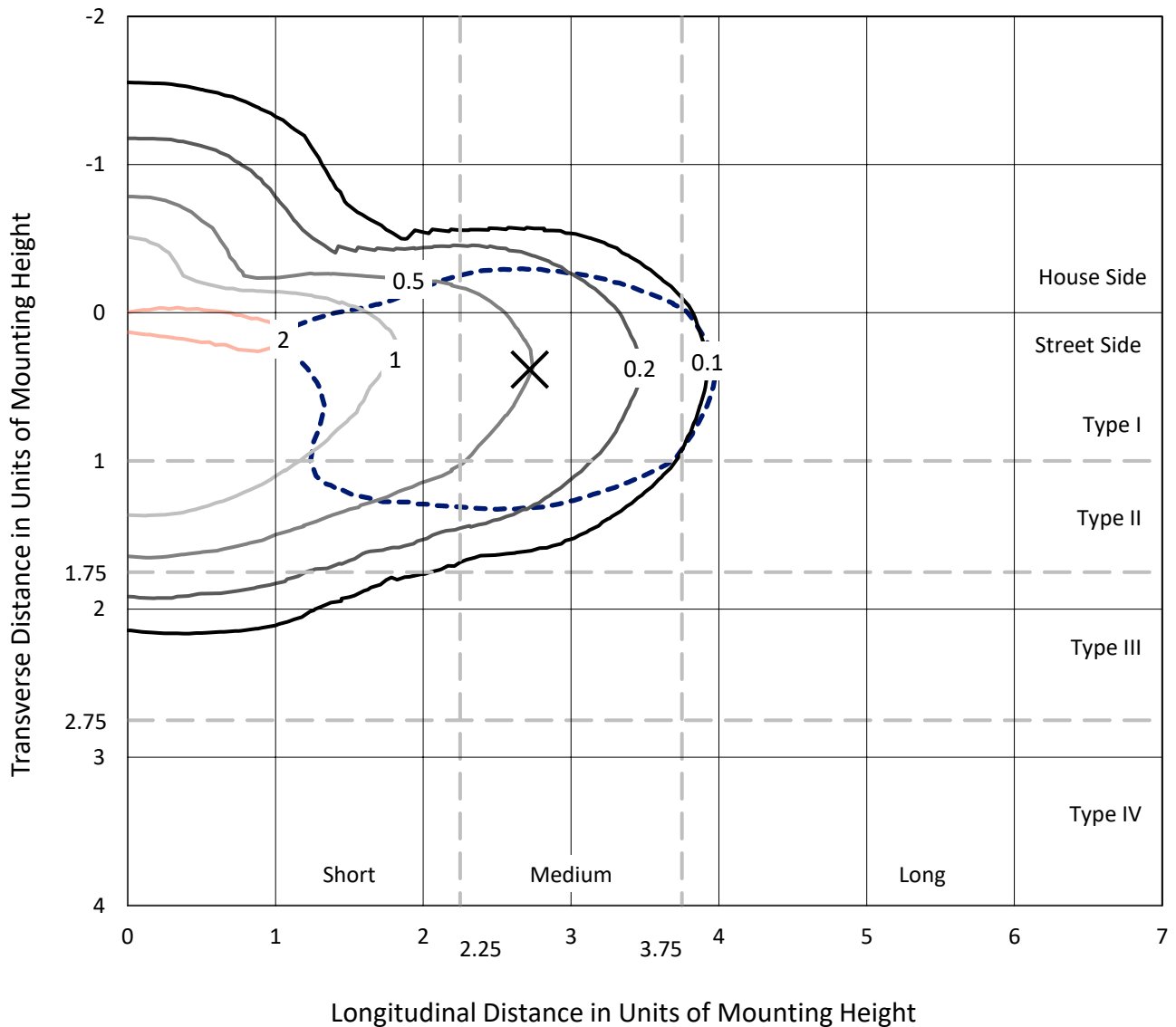
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846396  
 CATALOG NUMBER: GLAN-SB2A-730-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

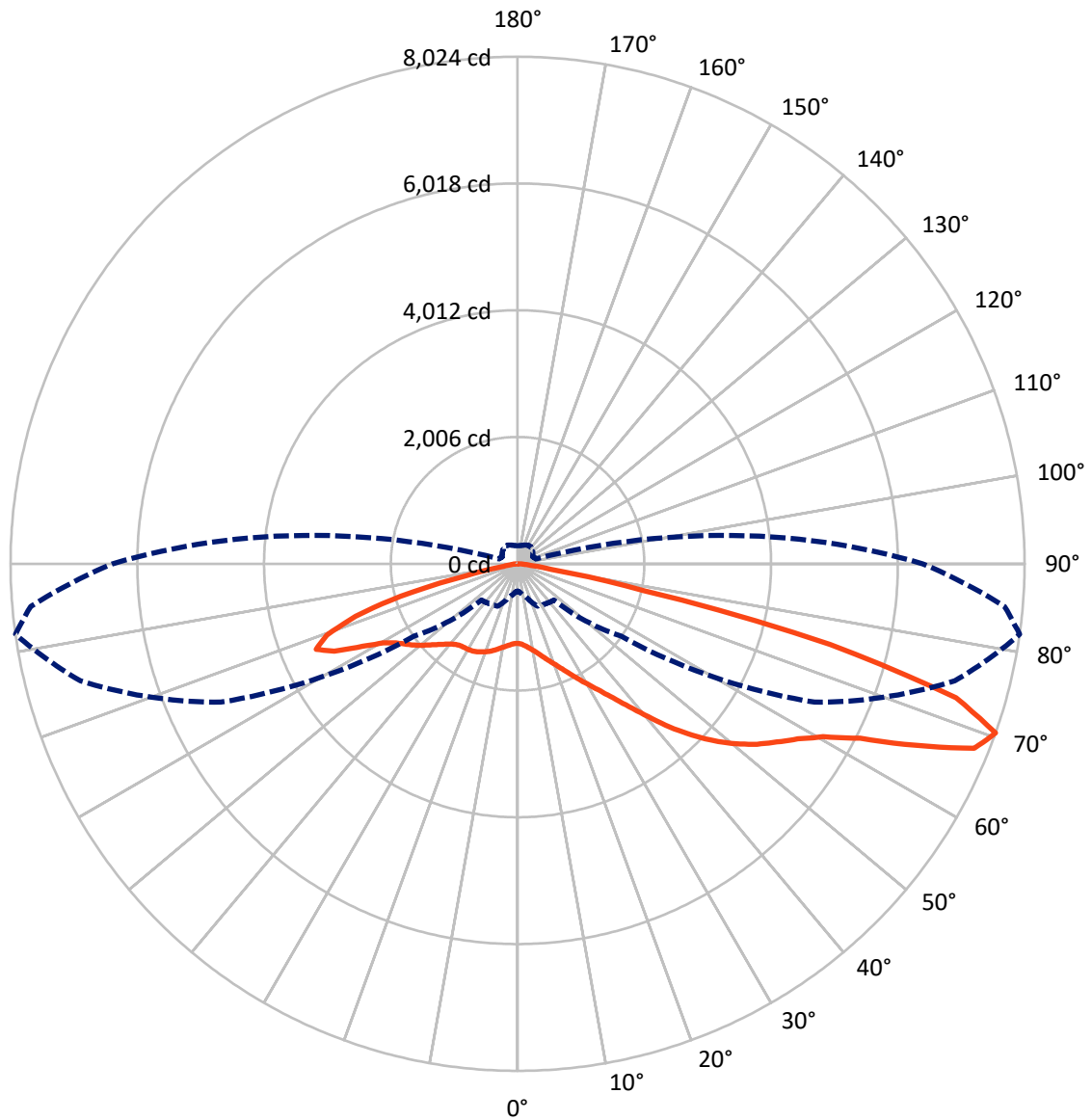
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P846396  
CATALOG NUMBER: GLAN-SB2A-730-U-T2

### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P846396  
 CATALOG NUMBER: GLAN-SB2A-730-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2116.7	0.0	2116.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	6469.3	0.0	6469.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	8586.0	0.0	8586.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.9	1.4
10°-20°	341.5	4.0
20°-30°	571.3	6.7
30°-40°	892.4	10.4
40°-50°	1421.3	16.6
50°-60°	1977.9	23.0
60°-70°	2069.0	24.1
70°-80°	1081.4	12.6
80°-90°	112.3	1.3
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°	8586.0	100.0
0°-180°	8586.0	100.0

**Coefficient of Utilization**

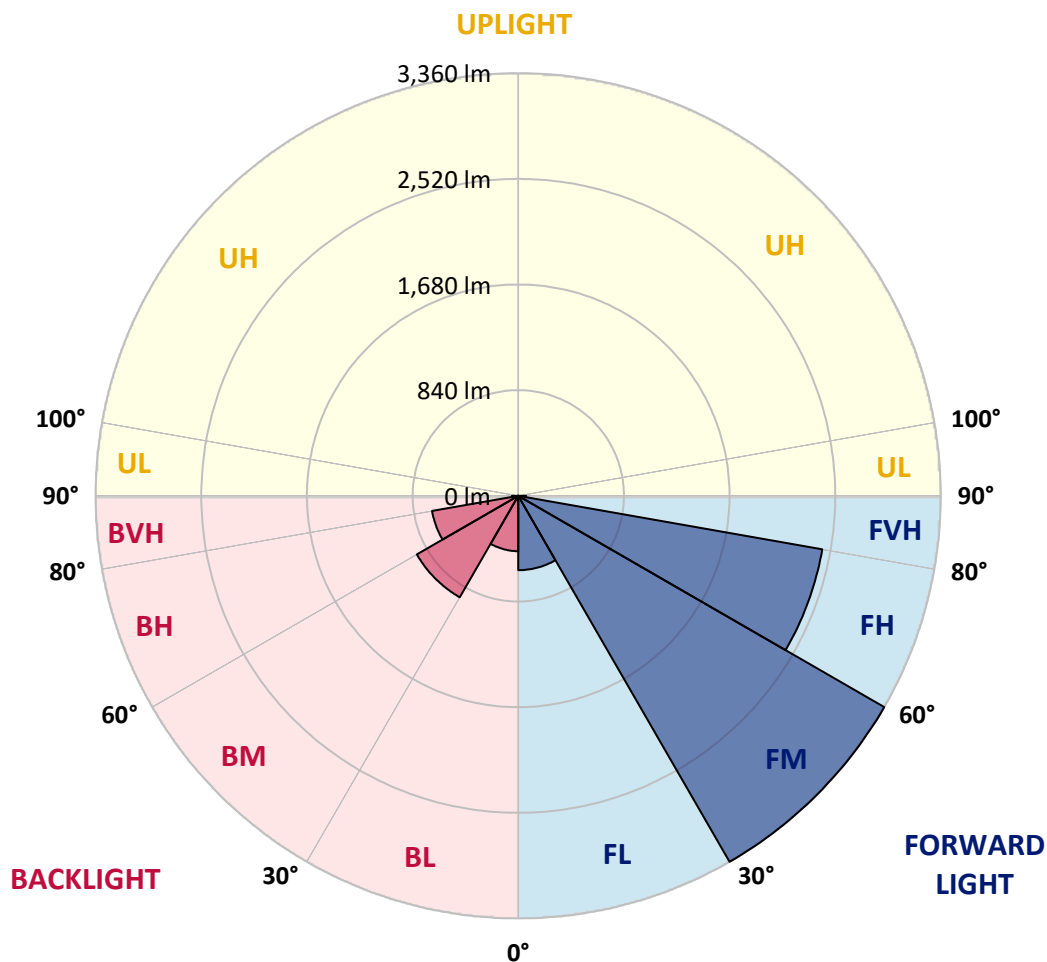


REPORT NUMBER: P846396  
 CATALOG NUMBER: GLAN-SB2A-730-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.2	6.9			
FM (30°-60°)	3360.5	39.1			
FH (60°-80°)	2454.8	28.6			G2/5000
FVH (80°-90°)	62.9	0.7			G1/100
BL (0°-30°)	440.3	5.1	B1/500		
BM (30°-60°)	931.2	10.8	B1/1000		
BH (60°-80°)	695.6	8.1	B2/1000		G2/1000
BVH (80°-90°)	49.4	0.6			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: P846396  
 CATALOG NUMBER: GLAN-SB2A-730-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8
2.5°	1288.9	1296.2	1293.9	1291.6	1291.6	1288.4	1288.0	1283.4	1279.8	1273.8
5°	1305.3	1313.0	1312.1	1313.9	1319.9	1321.2	1322.6	1319.9	1312.6	1305.3
7.5°	1290.7	1299.4	1302.1	1313.0	1331.3	1347.7	1360.0	1365.0	1358.1	1347.7
10°	1241.5	1251.1	1260.6	1286.6	1319.0	1357.7	1390.5	1410.1	1408.7	1398.7
12.5°	1141.7	1151.7	1172.3	1222.8	1282.1	1350.4	1411.4	1452.4	1466.6	1459.3
15°	1062.0	1070.7	1086.1	1138.1	1215.1	1319.0	1419.2	1498.9	1534.9	1530.8
17.5°	1059.7	1063.4	1072.9	1097.5	1156.8	1269.7	1411.0	1544.5	1613.3	1612.8
20°	1099.8	1101.2	1106.6	1111.7	1145.4	1232.4	1390.0	1582.3	1701.2	1701.2
22.5°	1155.4	1154.5	1160.0	1155.4	1171.8	1229.2	1376.8	1615.5	1799.2	1806.4
25°	1238.8	1234.2	1232.8	1222.4	1225.6	1258.8	1391.4	1653.4	1915.3	1930.4
27.5°	1349.9	1342.6	1337.6	1313.5	1305.3	1319.9	1436.0	1698.9	2044.7	2070.7
30°	1494.8	1481.6	1474.3	1432.4	1402.8	1405.1	1503.5	1759.5	2180.0	2221.9
32.5°	1692.5	1672.0	1652.5	1583.7	1529.4	1511.7	1590.5	1843.3	2326.7	2393.7
35°	1914.0	1897.6	1876.6	1770.5	1687.1	1646.1	1708.0	1960.4	2498.5	2604.6
37.5°	2127.2	2113.1	2123.1	1980.0	1872.5	1812.8	1862.0	2117.6	2710.3	2867.1
40°	2347.7	2336.8	2338.1	2201.4	2076.2	2009.2	2048.8	2314.9	2953.2	3179.2
42.5°	2587.3	2579.1	2551.8	2430.6	2289.8	2227.4	2263.9	2542.7	3213.8	3534.5
45°	2855.7	2850.7	2825.2	2686.2	2524.9	2454.8	2504.0	2794.2	3475.8	3868.9
47.5°	3087.6	3091.7	3088.5	2971.4	2804.2	2701.2	2760.0	3056.6	3719.5	4183.3
50°	3199.2	3220.6	3252.1	3215.6	3111.7	3006.9	3018.3	3309.9	3951.8	4478.1
52.5°	3140.9	3181.4	3267.1	3325.4	3365.5	3343.6	3313.1	3561.4	4170.5	4744.1
55°	2923.6	2980.5	3122.7	3263.4	3468.0	3627.0	3667.1	3840.2	4383.8	4978.3
57.5°	2527.7	2620.1	2747.7	3032.5	3376.9	3764.1	4079.9	4227.0	4609.7	5228.4
60°	1848.8	1972.7	2131.3	2555.0	3058.0	3690.8	4431.1	4821.1	4930.9	5552.4
62.5°	1183.2	1259.7	1405.5	1804.6	2382.8	3314.9	4538.7	5563.8	5475.4	6083.6
65°	810.1	859.3	992.7	1216.9	1540.4	2467.5	4250.7	6120.5	6340.1	6925.5
67.5°	588.6	626.0	739.9	936.3	1003.7	1460.2	3298.5	6095.0	7180.7	7793.0
70°	429.2	455.6	551.3	739.9	772.2	812.3	1998.2	5181.1	7162.4	8023.5
72.5°	318.0	336.2	400.5	574.1	625.1	548.5	989.1	3765.5	6154.7	7257.2
75°	230.1	243.7	291.1	439.2	500.2	417.8	493.4	2200.5	4293.1	5105.0
77.5°	175.9	186.3	217.3	321.7	400.5	313.5	306.2	1012.3	2035.6	2045.6
80°	141.2	148.1	164.9	226.4	307.1	234.6	199.6	408.7	643.3	544.4
82.5°	103.9	115.3	139.4	159.0	219.6	161.7	121.6	206.4	244.7	210.5
85°	59.2	67.0	84.3	113.9	140.3	98.9	69.7	91.6	113.9	93.4
87.5°	21.0	27.3	29.6	44.6	61.1	41.0	26.9	26.4	37.4	27.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846396  
 CATALOG NUMBER: GLAN-SB2A-730-U-T2

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1258.8	0°	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8	1258.8
1272.5	2.5°	1267.9	1265.6	1256.5	1244.2	1231.5	1219.2	1215.1	1206.4	1200.5	1197.3
1302.1	5°	1293.4	1286.2	1264.7	1237.4	1208.7	1177.7	1155.9	1135.8	1121.2	1107.6
1342.6	7.5°	1329.9	1317.1	1280.2	1232.4	1181.4	1129.9	1091.6	1062.5	1042.9	1030.1
1390.0	10°	1372.3	1352.7	1296.2	1224.6	1145.8	1072.0	1026.9	1001.9	989.6	982.7
1444.2	12.5°	1421.0	1393.2	1312.6	1206.9	1091.6	1007.3	976.3	969.1	969.5	970.0
1512.6	15°	1481.1	1442.4	1325.8	1168.2	1021.0	957.7	952.2	964.0	976.3	982.3
1590.0	17.5°	1549.0	1494.4	1328.1	1104.4	951.7	925.8	943.1	968.6	987.3	995.5
1676.6	20°	1621.9	1547.2	1311.7	1014.2	894.8	899.8	930.8	963.6	984.1	994.6
1775.5	22.5°	1705.3	1603.7	1272.5	919.4	848.3	871.6	908.0	939.9	961.3	971.8
1891.6	25°	1800.5	1667.0	1211.0	839.7	808.2	839.7	876.1	902.5	919.9	929.4
2021.5	27.5°	1906.2	1733.1	1129.0	776.3	773.1	806.9	836.9	857.4	866.5	873.8
2159.5	30°	2012.4	1793.2	1029.6	728.5	742.6	774.5	795.9	805.0	807.8	809.1
2313.5	32.5°	2127.2	1845.2	925.3	688.9	713.5	743.1	755.8	759.9	747.2	738.5
2500.3	35°	2266.1	1900.8	823.3	657.4	684.8	710.3	714.4	710.7	695.7	677.9
2734.5	37.5°	2437.9	1970.0	741.7	635.1	657.9	674.7	669.7	668.8	670.2	649.2
3016.1	40°	2648.4	2060.2	682.0	617.8	636.0	639.7	625.5	633.3	640.1	608.2
3324.9	42.5°	2882.1	2169.1	644.2	605.9	617.8	609.1	587.3	595.9	595.0	553.1
3635.2	45°	3120.4	2287.6	631.0	597.3	600.9	583.6	559.5	561.8	542.6	504.8
3932.7	47.5°	3357.3	2414.7	639.2	590.0	580.0	560.4	541.7	531.7	503.4	475.2
4217.9	50°	3589.7	2548.2	669.3	575.4	551.3	539.9	526.2	508.4	478.4	454.2
4487.6	52.5°	3805.1	2682.6	703.0	551.3	515.3	522.1	513.5	493.0	463.3	438.7
4742.8	55°	4009.3	2817.0	716.2	518.0	481.6	506.6	501.6	463.8	428.3	408.2
5009.7	57.5°	4231.6	2978.7	701.6	475.6	454.2	488.9	469.7	427.8	407.3	392.3
5357.4	60°	4539.6	3232.5	670.2	423.2	428.3	462.4	429.6	412.3	390.0	373.1
5878.6	62.5°	5051.2	3705.8	619.6	371.3	397.7	423.2	410.5	393.2	370.4	354.0
6769.7	65°	5807.5	4363.7	524.4	330.8	363.6	385.0	390.0	372.7	349.0	331.7
7550.6	67.5°	6445.3	4776.5	396.8	297.0	328.5	354.0	368.1	351.3	326.2	309.4
7733.3	70°	6410.3	4476.7	303.0	263.8	297.5	323.5	341.7	328.5	301.6	285.7
7024.4	72.5°	5693.6	3745.0	245.1	230.1	266.1	291.6	313.5	303.4	276.1	260.6
5146.0	75°	4182.8	2658.4	195.9	195.9	226.9	258.3	282.5	276.1	251.0	240.1
2160.4	77.5°	1763.2	1115.3	153.5	162.6	188.6	221.9	251.9	254.2	232.4	246.0
571.3	80°	468.8	307.5	117.1	128.0	148.1	183.2	219.1	218.2	194.5	181.8
212.3	82.5°	178.6	121.2	83.4	90.2	107.1	140.3	173.6	179.0	155.4	134.4
83.4	85°	68.8	51.9	51.5	54.2	62.4	92.9	131.2	135.8	117.1	99.3
23.2	87.5°	17.8	15.5	19.1	18.2	28.7	49.7	75.2	77.9	71.5	41.5
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



<u>180°</u>
1258.8
1201.0
1113.0
1032.8
984.5
970.9
981.8
997.3
997.3
974.5
932.2
876.6
812.3
741.3
678.8
650.6
609.1
552.6
506.2
475.2
452.4
439.2
406.4
390.9
372.2
354.0
332.6
309.8
287.0
260.6
236.9
223.2
169.0
134.4
102.5
59.2
0.0

F REPORT)