

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: P846238

Luminaire Tested: **GLAN-SB1D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9996 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

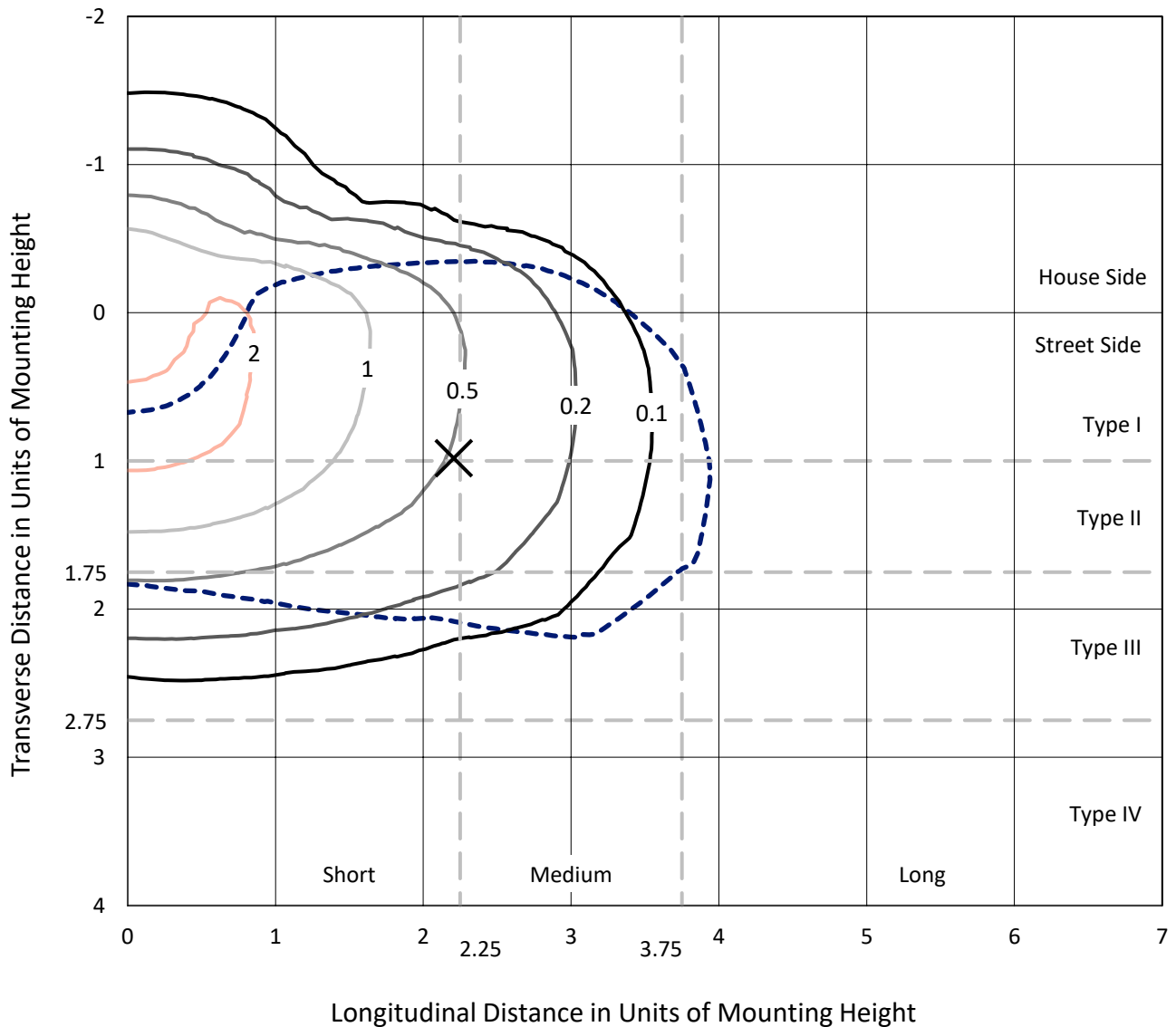
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846238
 CATALOG NUMBER: GLAN-SB1D-735-U-T3

Iso-Footcandle Lines of Horizontal Illumination

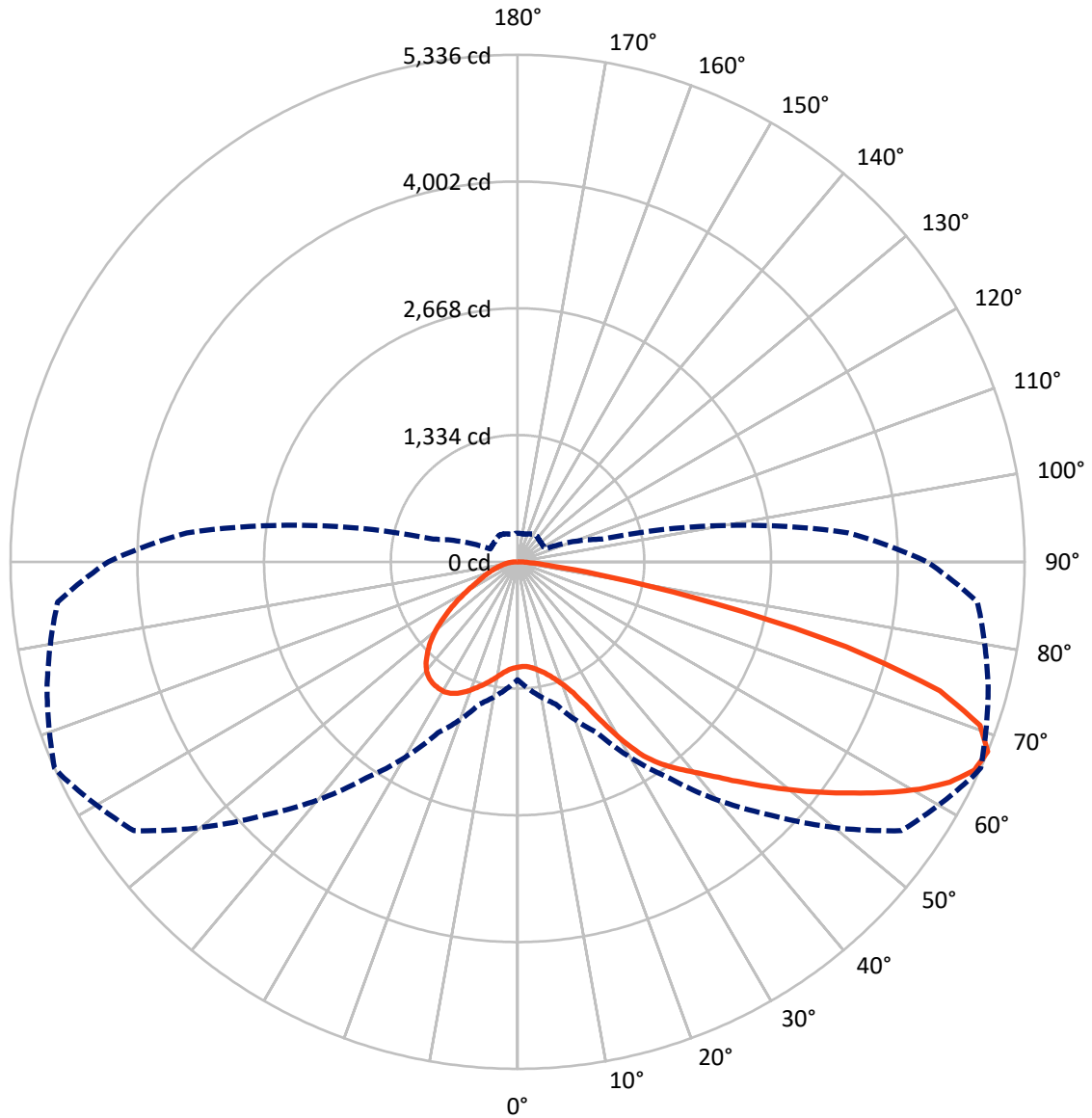
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - N/A

REPORT NUMBER: P846238
CATALOG NUMBER: GLAN-SB1D-735-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P846238
 CATALOG NUMBER: GLAN-SB1D-735-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2485.5	0.0	2485.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7510.5	0.0	7510.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	9996.0	0.0	9996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	1.1
10°-20°	363.2	3.6
20°-30°	700.0	7.0
30°-40°	1227.3	12.3
40°-50°	1824.6	18.3
50°-60°	2312.9	23.1
60°-70°	2263.1	22.6
70°-80°	1079.5	10.8
80°-90°	115.4	1.2
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°	9996.0	100.0
0°-180°	9996.0	100.0

Coefficient of Utilization



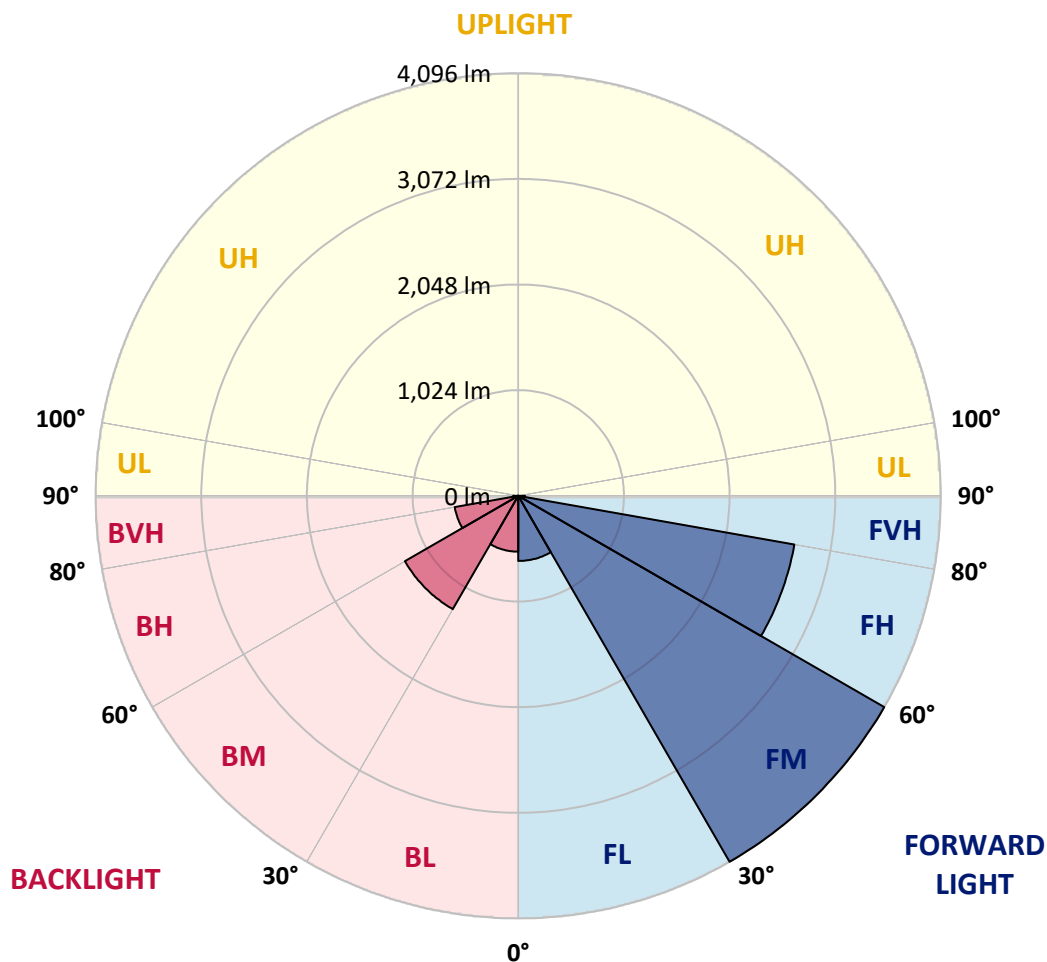
REPORT NUMBER: P846238
 CATALOG NUMBER: GLAN-SB1D-735-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	631.6	6.3			
FM (30°-60°)	4096.3	41.0			
FH (60°-80°)	2717.2	27.2			G2/5000
FVH (80°-90°)	65.4	0.7			G1/100
BL (0°-30°)	541.4	5.4	B2/1000		
BM (30°-60°)	1268.6	12.7	B2/2500		
BH (60°-80°)	625.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	50.0	0.5			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 III Short



REPORT NUMBER: P846238
 CATALOG NUMBER: GLAN-SB1D-735-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7
2.5°	1097.1	1103.4	1101.9	1099.2	1098.7	1099.8	1101.3	1102.9	1102.4	1105.0
5°	1094.0	1100.3	1099.8	1099.8	1101.9	1106.1	1108.7	1111.3	1108.7	1111.8
7.5°	1096.1	1100.8	1102.9	1105.0	1110.3	1118.1	1124.4	1130.2	1127.1	1130.7
10°	1122.9	1126.5	1128.6	1128.6	1132.3	1141.3	1147.6	1158.1	1155.4	1161.2
12.5°	1171.7	1175.4	1175.4	1173.3	1175.9	1181.7	1183.8	1195.3	1190.6	1200.1
15°	1231.6	1238.9	1233.2	1229.5	1230.5	1236.3	1235.8	1244.7	1240.0	1247.9
17.5°	1297.8	1307.2	1297.8	1297.2	1295.1	1301.4	1302.0	1309.8	1301.4	1307.2
20°	1376.0	1389.1	1381.3	1383.9	1379.2	1381.8	1384.4	1396.0	1382.8	1387.0
22.5°	1486.3	1502.1	1493.7	1503.6	1500.5	1498.4	1497.9	1518.3	1497.9	1499.4
25°	1647.0	1665.9	1651.2	1664.9	1664.9	1671.7	1679.6	1705.8	1671.7	1661.7
27.5°	1884.4	1903.3	1874.4	1882.8	1880.2	1897.0	1888.6	1953.7	1917.0	1900.7
30°	2170.1	2203.7	2149.1	2147.0	2144.4	2171.2	2183.2	2226.3	2189.0	2172.7
32.5°	2478.9	2514.1	2449.0	2430.1	2420.1	2436.4	2426.4	2461.1	2435.3	2410.1
35°	2805.6	2840.3	2778.3	2741.5	2701.6	2667.5	2631.8	2640.7	2616.5	2578.2
37.5°	3114.4	3178.0	3112.3	3072.9	2999.4	2932.7	2832.9	2791.4	2768.8	2733.6
40°	3429.0	3465.2	3415.3	3381.7	3301.9	3197.4	3037.7	2950.0	2919.6	2885.4
42.5°	3660.6	3695.3	3668.5	3645.4	3582.9	3461.6	3255.2	3145.4	3101.3	3062.9
45°	3844.4	3870.2	3853.4	3861.8	3835.0	3717.3	3480.5	3355.0	3309.3	3262.5
47.5°	3918.5	3945.8	3972.6	4022.5	4068.2	3981.5	3722.6	3581.8	3533.5	3485.7
50°	3910.1	3937.9	4015.6	4121.7	4263.5	4234.7	3977.8	3823.4	3778.8	3724.2
52.5°	3842.9	3874.4	3974.2	4150.6	4376.5	4424.3	4237.8	4072.9	4030.9	3965.8
55°	3666.4	3685.3	3835.0	4085.0	4403.2	4556.6	4492.5	4338.6	4296.6	4205.8
57.5°	3339.2	3366.5	3584.5	3908.0	4336.0	4646.4	4716.3	4618.0	4577.6	4446.8
60°	2912.2	2955.8	3205.3	3610.7	4164.8	4645.9	4919.5	4892.7	4859.1	4684.2
62.5°	2429.0	2479.4	2719.5	3190.6	3865.4	4514.1	5046.6	5122.8	5105.4	4903.2
65°	1865.5	1900.2	2139.1	2647.0	3399.6	4231.0	5061.3	5279.8	5282.9	5069.7
67.5°	1242.1	1341.9	1549.3	1986.3	2775.7	3768.3	4932.1	5305.5	5336.0	5127.0
70°	606.1	737.4	940.6	1290.9	1986.3	3058.7	4594.4	5094.4	5162.2	4959.9
72.5°	251.6	294.1	404.9	637.1	1140.2	2064.0	3915.9	4521.9	4647.5	4394.8
75°	169.6	183.8	231.6	326.7	519.4	1017.8	2824.0	3371.8	3574.0	3319.2
77.5°	130.8	139.7	168.6	228.5	308.8	385.0	1511.5	2032.0	2136.5	1977.9
80°	102.9	109.8	126.0	166.5	219.0	205.9	515.2	920.7	981.1	823.0
82.5°	89.3	91.9	90.3	112.9	145.5	120.3	169.1	339.8	375.0	272.1
85°	64.6	72.0	75.1	69.9	77.2	60.9	69.3	120.3	132.3	118.2
87.5°	26.3	38.9	47.8	45.2	28.4	17.3	21.5	35.2	40.4	44.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846238
 CATALOG NUMBER: GLAN-SB1D-735-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1108.7	0°	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7	1108.7
1109.2	2.5°	1109.7	1113.4	1116.0	1119.2	1121.3	1124.4	1130.7	1134.4	1134.9	1137.6
1117.6	5°	1119.7	1125.0	1130.7	1139.1	1148.6	1156.5	1168.6	1177.0	1180.1	1182.7
1138.1	7.5°	1141.3	1148.6	1159.1	1173.8	1187.5	1198.0	1212.7	1222.7	1232.6	1236.3
1170.7	10°	1173.3	1183.8	1199.0	1219.0	1233.7	1247.3	1262.6	1271.0	1281.0	1285.2
1209.5	12.5°	1213.2	1224.2	1244.2	1272.0	1285.7	1295.1	1300.4	1298.3	1300.4	1304.1
1256.3	15°	1258.9	1271.0	1293.6	1323.5	1332.9	1324.5	1313.0	1302.5	1300.9	1302.0
1313.0	17.5°	1313.0	1321.9	1348.2	1373.4	1366.6	1331.9	1306.7	1289.9	1281.5	1278.9
1385.5	20°	1388.6	1388.6	1410.2	1425.9	1380.2	1321.4	1282.0	1254.7	1237.4	1230.0
1484.2	22.5°	1480.5	1472.1	1485.8	1474.8	1377.6	1292.0	1237.4	1190.1	1163.8	1153.3
1622.3	25°	1597.1	1587.1	1583.5	1515.2	1358.7	1245.2	1156.5	1099.2	1076.1	1070.3
1821.4	27.5°	1773.1	1747.9	1700.1	1537.2	1324.0	1171.7	1061.9	1008.9	995.8	996.3
2077.1	30°	2007.3	1956.9	1839.8	1540.9	1267.3	1067.7	965.3	927.5	921.2	923.8
2292.0	32.5°	2224.2	2176.4	1982.6	1524.1	1180.1	965.8	878.7	853.4	844.0	847.1
2455.8	35°	2394.4	2381.2	2115.0	1500.5	1073.0	870.2	800.9	779.4	761.0	756.8
2610.2	37.5°	2555.1	2549.8	2214.2	1467.4	966.9	802.5	738.4	710.1	683.3	668.6
2780.9	40°	2731.5	2726.3	2279.4	1416.5	872.9	743.7	682.2	644.9	611.9	585.1
2974.2	42.5°	2930.1	2899.1	2310.3	1343.5	793.0	693.8	636.5	586.1	542.5	517.8
3192.7	45°	3147.0	3077.1	2309.8	1250.5	725.8	648.1	587.7	516.3	475.8	452.7
3416.9	47.5°	3377.0	3247.3	2281.5	1147.6	660.7	597.7	512.1	457.4	430.7	416.5
3660.6	50°	3614.4	3406.4	2233.1	1029.4	594.0	540.4	464.8	427.5	407.0	393.9
3902.2	52.5°	3837.6	3550.8	2174.8	895.5	526.2	484.8	443.8	414.9	393.4	378.7
4136.4	55°	4045.1	3675.3	2092.4	758.4	471.1	447.5	433.8	409.7	385.0	367.6
4374.4	57.5°	4229.4	3756.2	1950.1	629.7	431.7	421.7	423.3	400.7	372.4	357.7
4608.6	60°	4382.8	3815.5	1739.4	510.5	399.7	396.5	407.0	383.9	350.8	334.0
4806.6	62.5°	4474.7	3814.5	1481.1	418.1	372.4	373.4	385.5	362.9	329.3	313.5
4910.1	65°	4466.8	3721.0	1197.4	357.7	346.1	347.2	362.9	339.8	311.4	302.0
4858.1	67.5°	4308.7	3493.1	918.6	318.3	317.2	321.9	340.3	324.0	300.4	299.4
4548.2	70°	3880.7	3019.9	661.7	286.8	287.3	294.1	318.3	314.1	294.6	296.7
3824.0	72.5°	3111.8	2302.5	444.3	253.7	254.2	265.2	297.3	306.2	288.9	316.7
2713.2	75°	2072.4	1435.9	285.7	218.5	219.0	233.2	278.9	291.0	273.1	315.6
1411.7	77.5°	995.8	645.5	206.9	183.8	183.8	196.9	241.1	260.5	232.7	245.3
453.8	80°	344.0	242.6	162.8	148.1	145.0	153.9	203.3	225.8	200.6	184.9
148.1	82.5°	135.5	126.0	130.8	115.0	104.5	110.3	158.1	186.4	147.6	133.4
83.5	85°	77.7	81.9	92.4	76.2	60.4	67.8	116.1	133.9	111.3	98.2
27.3	87.5°	21.0	28.9	42.5	39.4	27.3	28.9	55.1	74.1	64.1	49.4
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>
1108.7
1137.0
1182.2
1236.8
1287.3
1305.1
1305.6
1282.5
1228.4
1151.8
1071.4
997.9
932.7
851.3
760.0
669.1
587.7
519.4
451.7
413.3
389.2
372.4
360.8
348.2
326.7
308.8
301.5
300.9
296.2
320.9
318.3
224.8
173.3
132.9
100.3
50.9
0.0

F REPORT)