

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: P846225

Luminaire Tested: **GLAN-SB1D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846225
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-SB1D-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7180 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

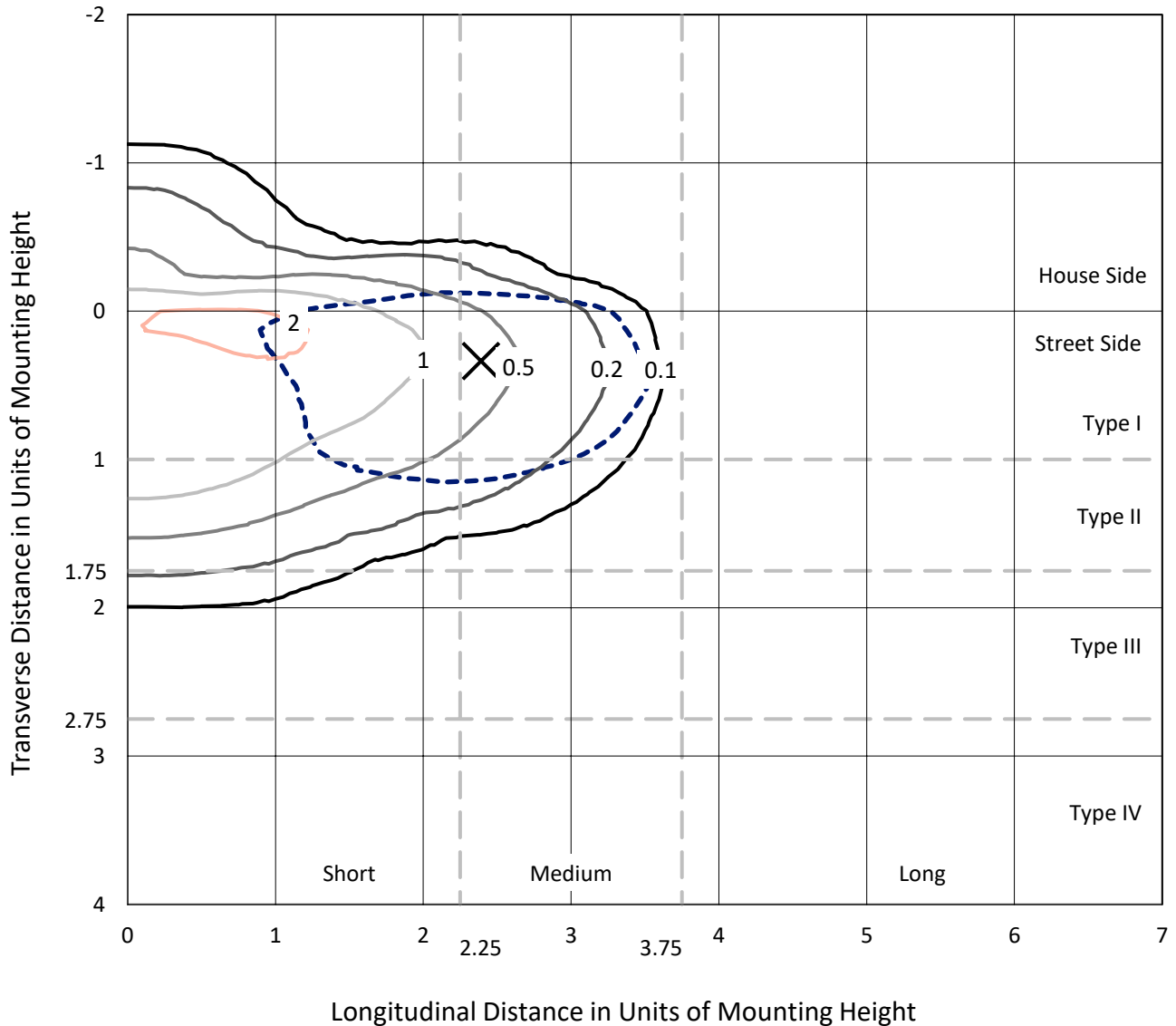
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846225
 CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

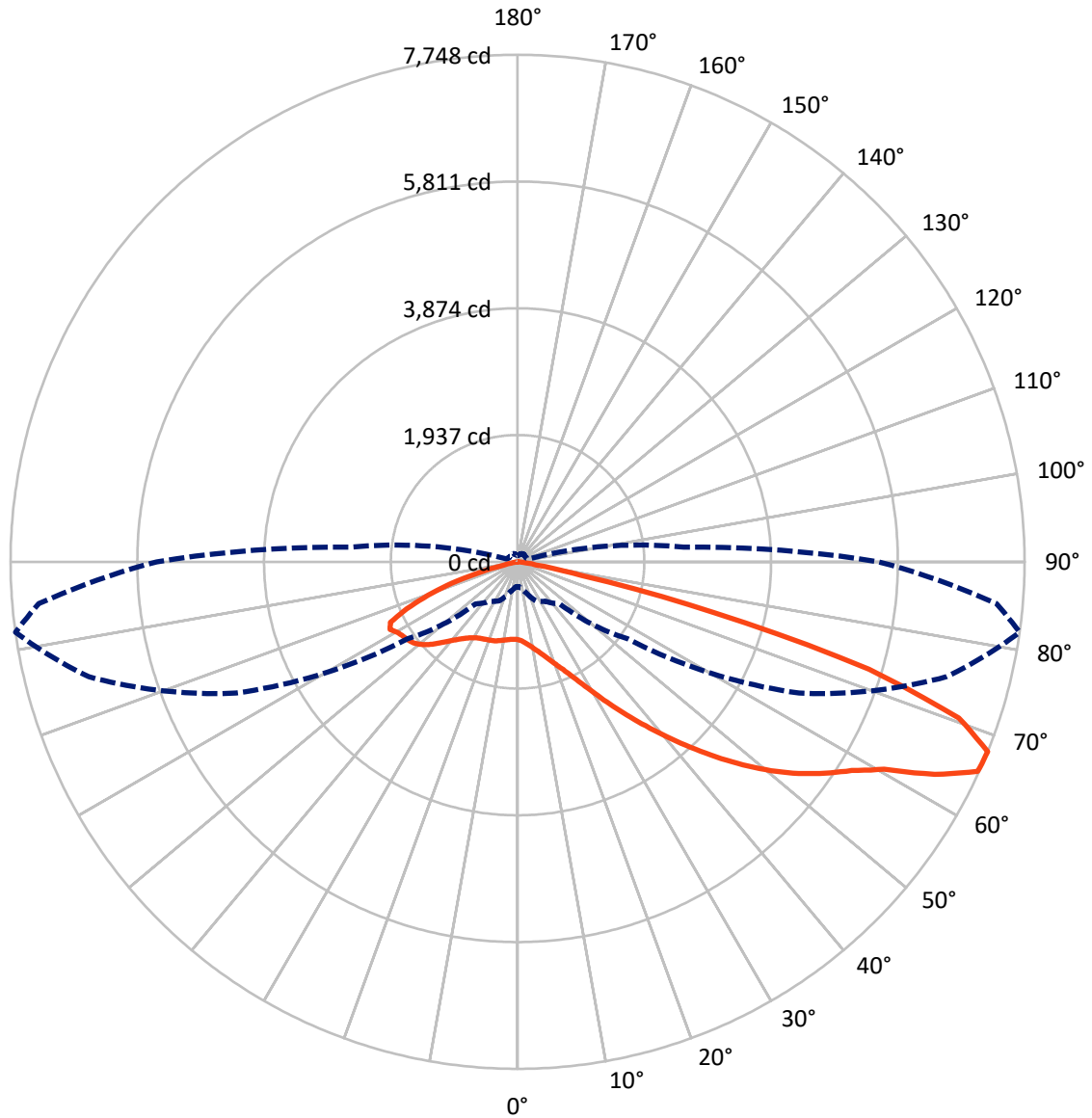
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P846225
CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846225
 CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

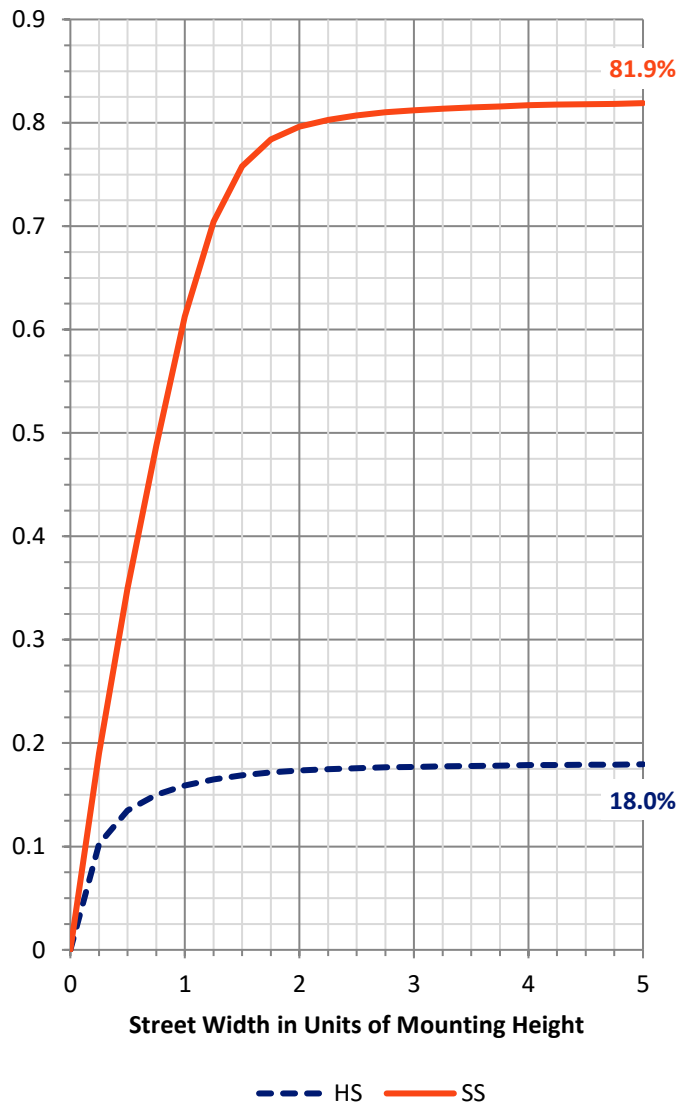
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.6	0.0	1300.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5879.4	0.0	5879.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	7180.0	0.0	7180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.5
10°-20°	275.4	3.8
20°-30°	441.1	6.1
30°-40°	780.0	10.9
40°-50°	1366.6	19.0
50°-60°	1822.6	25.4
60°-70°	1696.8	23.6
70°-80°	651.2	9.1
80°-90°	40.4	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°	7180.0	100.0
0°-180°	7180.0	100.0

Coefficient of Utilization

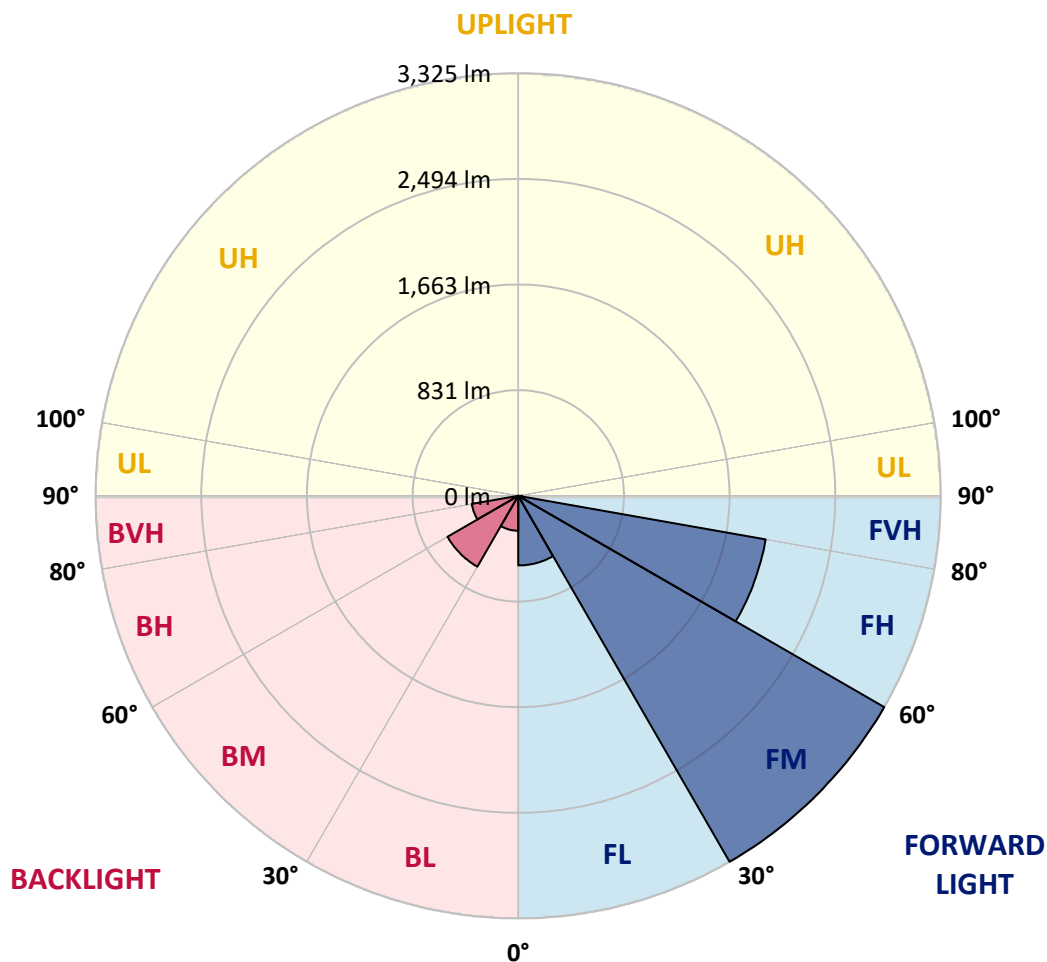


REPORT NUMBER: P846225
 CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.8	7.6			
FM (30°-60°)	3325.5	46.3			
FH (60°-80°)	1976.8	27.5			G2/5000
FVH (80°-90°)	29.4	0.4			G1/100
BL (0°-30°)	274.7	3.8	B1/500		
BM (30°-60°)	643.7	9.0	B1/1000		
BH (60°-80°)	371.2	5.2	B1/500		G1/500
BVH (80°-90°)	11.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium



REPORT NUMBER: P846225
 CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5
2.5°	1257.2	1264.4	1260.3	1258.2	1254.6	1249.4	1245.3	1232.4	1218.9	1210.2
5°	1282.5	1289.8	1289.3	1291.3	1293.9	1295.5	1294.4	1279.9	1260.8	1245.8
7.5°	1260.8	1269.1	1275.8	1286.2	1304.2	1323.4	1332.7	1329.6	1309.9	1289.3
10°	1199.3	1208.1	1224.1	1248.4	1286.7	1328.0	1362.7	1378.7	1366.3	1343.5
12.5°	1086.6	1095.4	1126.9	1179.7	1243.8	1315.6	1381.8	1424.7	1427.8	1405.0
15°	960.0	968.7	1002.4	1068.5	1166.2	1281.5	1392.1	1473.3	1500.7	1481.0
17.5°	881.4	889.1	914.5	967.7	1069.6	1213.3	1388.5	1525.0	1587.5	1572.0
20°	857.6	864.3	876.2	913.4	998.2	1142.4	1364.7	1573.6	1681.1	1672.3
22.5°	882.9	889.1	892.8	909.3	962.5	1095.9	1334.7	1623.2	1789.7	1790.7
25°	941.4	947.6	943.4	953.8	977.0	1081.4	1323.4	1681.6	1926.1	1937.5
27.5°	1037.5	1038.0	1028.2	1027.7	1031.3	1103.2	1335.3	1744.2	2098.3	2119.5
30°	1230.3	1222.6	1184.8	1144.0	1125.4	1168.3	1368.3	1818.1	2301.4	2339.2
32.5°	1527.6	1516.2	1446.9	1349.2	1251.0	1273.2	1427.8	1902.3	2522.7	2590.9
35°	1850.1	1847.0	1774.7	1629.4	1457.8	1422.6	1524.5	2013.0	2764.1	2872.6
37.5°	2150.0	2148.4	2107.1	1935.9	1727.1	1631.0	1679.5	2157.7	3022.6	3179.7
40°	2423.9	2428.6	2387.2	2234.2	2023.8	1898.2	1890.5	2336.6	3310.0	3514.2
42.5°	2660.7	2665.9	2624.0	2510.8	2316.9	2193.9	2149.4	2555.8	3590.7	3873.4
45°	2821.5	2853.5	2847.3	2756.9	2617.8	2490.1	2460.6	2830.8	3910.7	4254.4
47.5°	2867.0	2896.4	2942.9	2955.4	2870.6	2745.0	2780.1	3162.1	4234.3	4635.9
50°	2754.8	2782.2	2878.8	3007.6	3066.5	3027.7	3090.8	3517.3	4565.6	5016.4
52.5°	2533.5	2561.4	2683.4	2887.1	3127.5	3249.5	3402.5	3867.2	4886.7	5376.7
55°	2213.5	2243.0	2399.6	2630.2	3011.2	3341.0	3662.5	4216.7	5180.8	5700.8
57.5°	1778.3	1800.0	1962.8	2285.4	2718.6	3250.0	3854.3	4598.2	5457.9	6019.3
60°	1159.0	1178.1	1367.3	1727.1	2233.7	2946.1	3892.6	5023.6	5825.9	6433.3
62.5°	770.8	783.7	895.9	1160.0	1573.1	2362.4	3668.7	5363.3	6365.6	7154.0
65°	528.8	541.8	653.9	838.0	1016.3	1562.7	3025.1	5318.3	6854.6	7726.2
67.5°	377.4	388.2	483.3	657.0	735.6	907.7	2050.7	4743.5	6784.3	7747.9
70°	270.4	276.6	355.1	511.8	584.7	545.4	1140.4	3627.9	5940.2	7154.5
72.5°	189.2	191.3	246.6	389.8	470.9	398.0	542.8	2418.8	4492.7	5615.5
75°	128.2	130.8	165.9	285.9	377.9	304.0	287.4	1297.0	2637.4	3108.4
77.5°	78.6	79.6	107.0	195.4	282.8	231.6	185.1	549.5	1020.4	1001.8
80°	44.5	44.5	68.2	121.5	192.8	149.4	129.8	233.7	323.1	283.8
82.5°	24.8	25.3	49.6	75.5	127.7	88.4	71.3	108.0	139.6	123.5
85°	10.3	11.4	30.5	35.7	61.0	43.9	28.9	45.5	51.7	46.0
87.5°	1.0	1.6	9.3	6.7	7.2	8.8	4.1	8.8	7.2	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846225
 CATALOG NUMBER: GLAN-SB1D-730-U-T2-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1189.5	0°	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5	1189.5
1207.1	2.5°	1197.2	1189.5	1169.8	1147.1	1117.1	1102.6	1083.0	1069.6	1058.2	1059.2
1237.0	5°	1220.5	1200.9	1156.9	1102.1	1033.9	985.3	933.6	897.9	869.0	862.8
1278.4	7.5°	1252.5	1221.5	1144.5	1045.8	930.5	843.1	765.1	714.9	679.3	667.9
1328.5	10°	1293.9	1248.9	1128.5	975.0	809.0	697.9	614.1	574.8	550.5	542.3
1387.5	12.5°	1342.0	1280.5	1107.3	888.6	683.9	576.9	523.7	504.0	496.3	493.7
1459.8	15°	1402.5	1319.8	1075.2	786.3	577.9	503.0	480.2	477.7	478.7	477.7
1546.7	17.5°	1474.3	1362.7	1023.0	680.8	506.6	465.2	457.0	459.0	461.6	461.1
1643.9	20°	1552.9	1405.0	956.3	587.2	458.0	438.4	433.7	435.8	437.8	436.8
1756.1	22.5°	1642.3	1450.5	882.4	514.4	425.4	413.6	408.4	408.9	408.9	406.8
1898.2	25°	1749.3	1500.7	804.9	462.7	400.6	391.3	385.1	383.1	380.0	373.7
2070.9	27.5°	1877.0	1553.9	730.4	426.5	381.0	372.2	365.0	359.8	352.0	341.7
2278.2	30°	2020.7	1618.5	667.4	403.7	365.5	356.7	348.4	340.7	329.3	316.4
2516.5	32.5°	2189.8	1687.8	621.4	388.7	351.5	342.2	332.4	323.1	310.7	297.8
2784.2	35°	2391.4	1771.6	594.5	378.4	340.7	328.3	317.4	307.1	297.8	286.4
3075.3	37.5°	2610.0	1860.5	586.2	373.2	333.4	314.3	301.9	294.7	293.6	286.9
3390.1	40°	2849.4	1965.9	592.4	370.1	325.7	300.9	287.4	285.9	288.5	276.6
3726.6	42.5°	3102.7	2091.0	602.8	366.5	314.8	287.4	274.5	274.5	272.4	255.9
4082.3	45°	3376.7	2235.3	613.1	357.7	301.9	274.0	264.2	260.5	251.8	235.7
4440.0	47.5°	3652.7	2382.1	620.8	341.7	286.4	262.6	253.8	245.5	232.6	218.1
4791.0	50°	3914.8	2513.9	612.6	317.9	268.8	251.8	242.4	231.1	217.1	207.3
5123.4	52.5°	4149.0	2628.1	577.4	290.0	250.2	240.4	232.1	220.2	208.8	198.5
5423.2	55°	4352.6	2720.7	515.4	263.6	233.7	230.6	222.3	207.3	191.8	183.0
5720.5	57.5°	4548.1	2791.0	437.8	241.9	218.7	219.7	207.3	193.9	179.4	170.1
6121.1	60°	4808.1	2885.1	359.3	221.8	202.6	205.7	192.3	182.5	164.4	152.5
6808.1	62.5°	5223.7	3031.3	285.4	197.0	184.0	185.1	179.4	167.5	145.8	131.8
7317.3	65°	5553.5	2977.6	224.9	170.1	162.8	164.4	164.4	151.5	128.2	112.2
7344.7	67.5°	5516.3	2549.6	179.4	143.7	142.7	143.7	147.3	136.5	113.7	100.8
6785.4	70°	5081.5	2028.0	143.7	119.4	124.1	121.5	131.8	124.6	102.4	89.4
5260.4	72.5°	4146.4	1460.9	109.6	98.7	95.1	99.3	118.9	112.2	85.3	70.8
2786.3	75°	2422.9	779.5	81.7	78.1	68.8	82.7	105.5	95.6	65.1	52.2
854.0	77.5°	788.9	271.9	60.0	57.4	51.2	66.7	89.9	80.6	53.2	41.4
250.2	80°	211.4	82.2	40.8	37.7	33.1	49.6	71.3	64.1	38.3	26.9
107.5	82.5°	84.8	34.6	23.8	21.2	18.1	34.1	56.3	51.7	28.4	17.1
33.6	85°	27.4	11.4	8.8	6.7	8.3	21.2	33.6	35.2	20.2	8.8
5.2	87.5°	3.6	1.6	1.6	2.1	1.6	3.6	10.3	9.8	5.7	1.0
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/>
1189.5
1048.9
848.8
656.5
536.1
492.1
477.1
460.1
436.3
405.8
372.7
340.7
315.3
298.3
285.4
286.4
277.1
255.9
235.2
217.6
205.7
197.5
182.0
169.0
150.9
130.8
110.6
98.7
87.9
69.3
50.7
39.8
26.4
17.1
6.7
0.0
0.0

F REPORT)