

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: P852274

Luminaire Tested: **GLAN-SB2C-850-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852274  
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-SB2C-850-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 5000K, 615mA 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: 9737 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

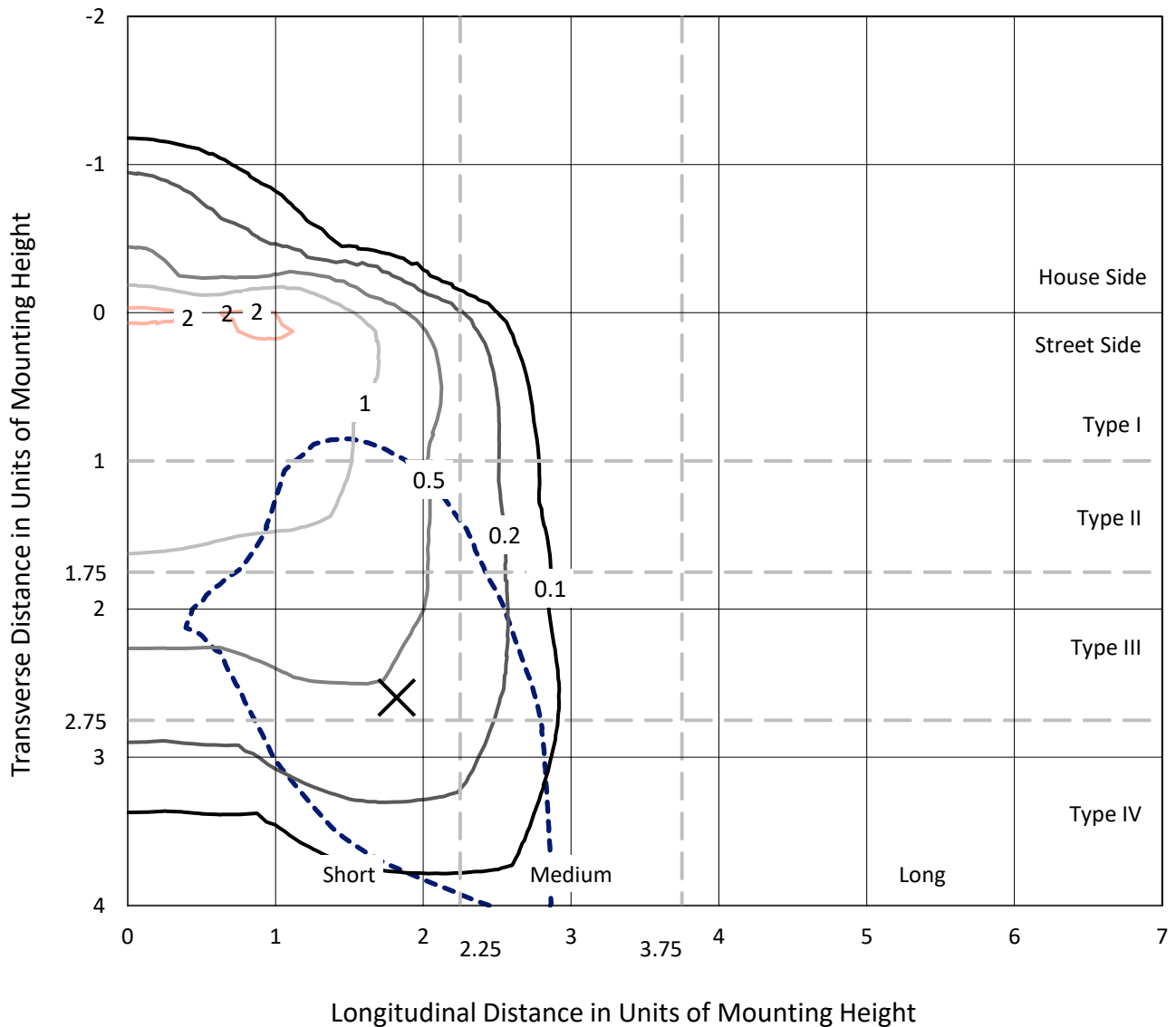
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P852274  
 CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

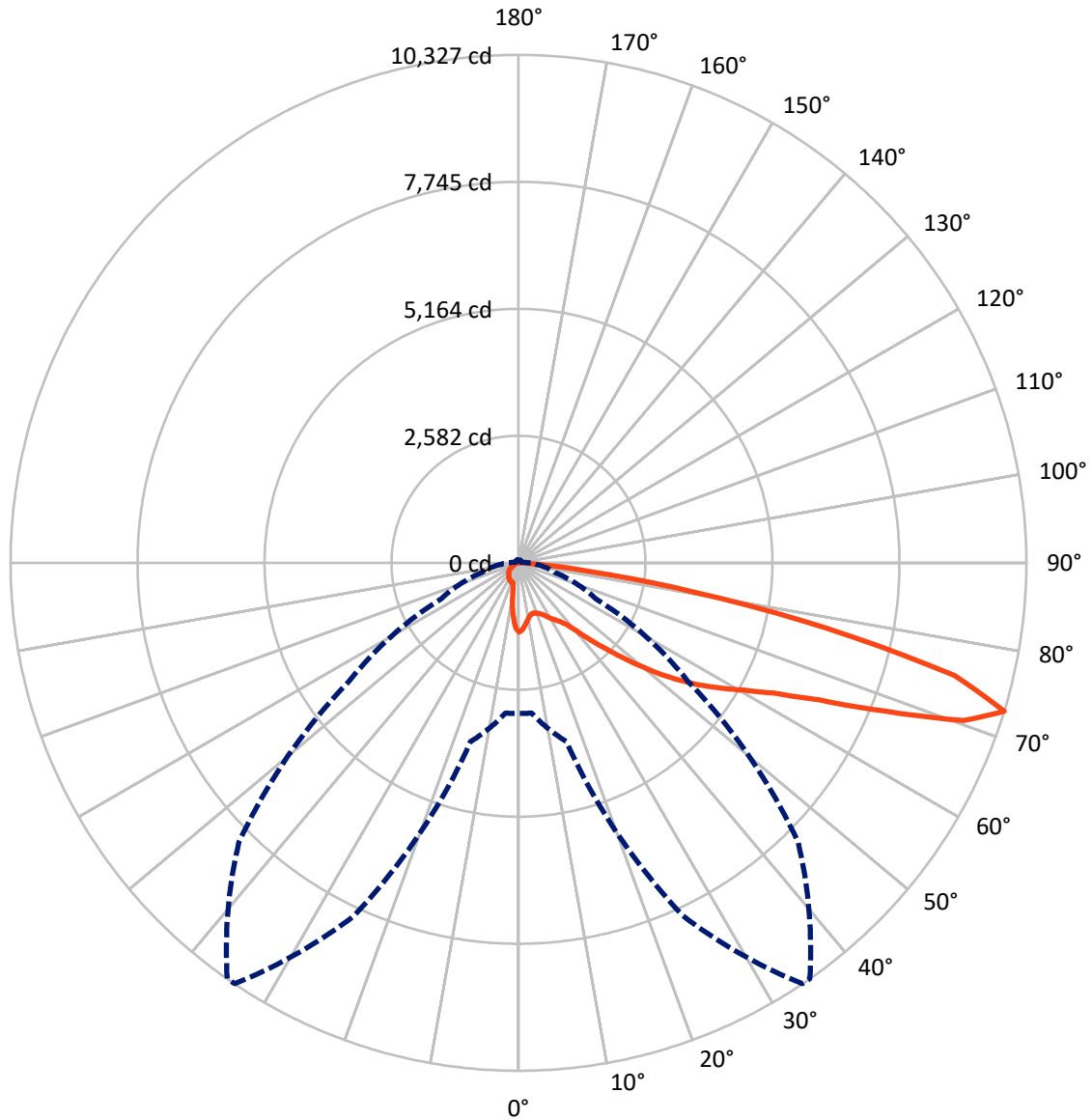
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P852274  
CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P852274  
 CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

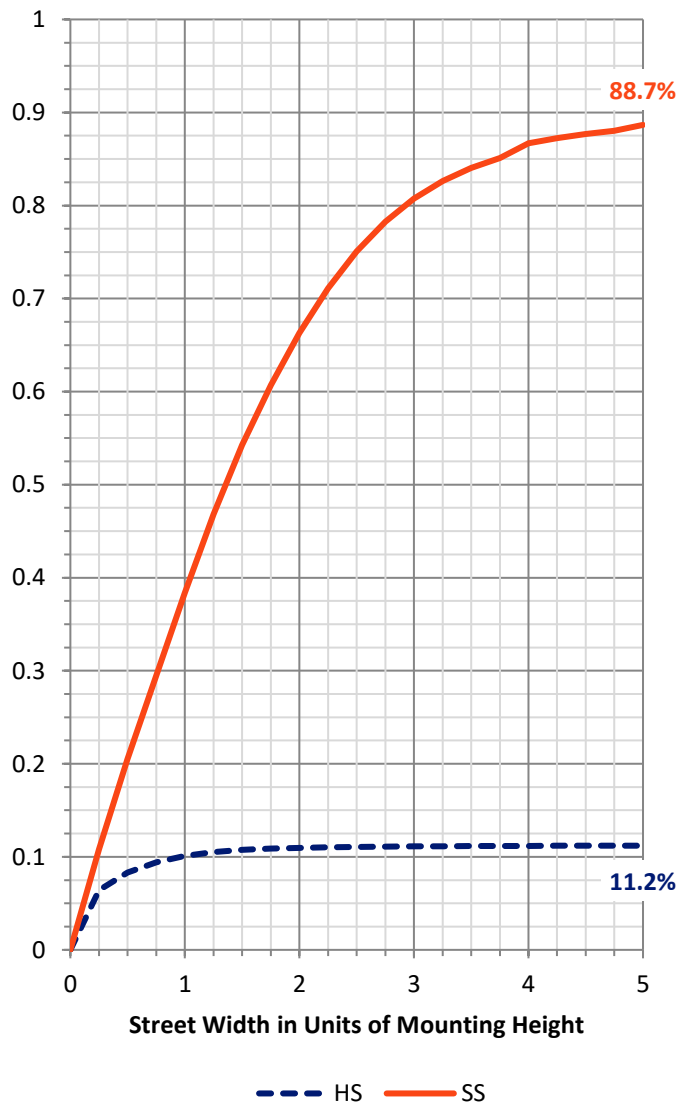
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1095.9	0.0	1095.9
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	8641.1	0.0	8641.1
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	9737.0	0.0	9737.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.0	1.2
10°-20°	271.3	2.8
20°-30°	440.7	4.5
30°-40°	735.3	7.6
40°-50°	1391.2	14.3
50°-60°	2210.6	22.7
60°-70°	2734.7	28.1
70°-80°	1699.9	17.5
80°-90°	137.4	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°	9737.0	100.0
0°-180°	9737.0	100.0

**Coefficient of Utilization**

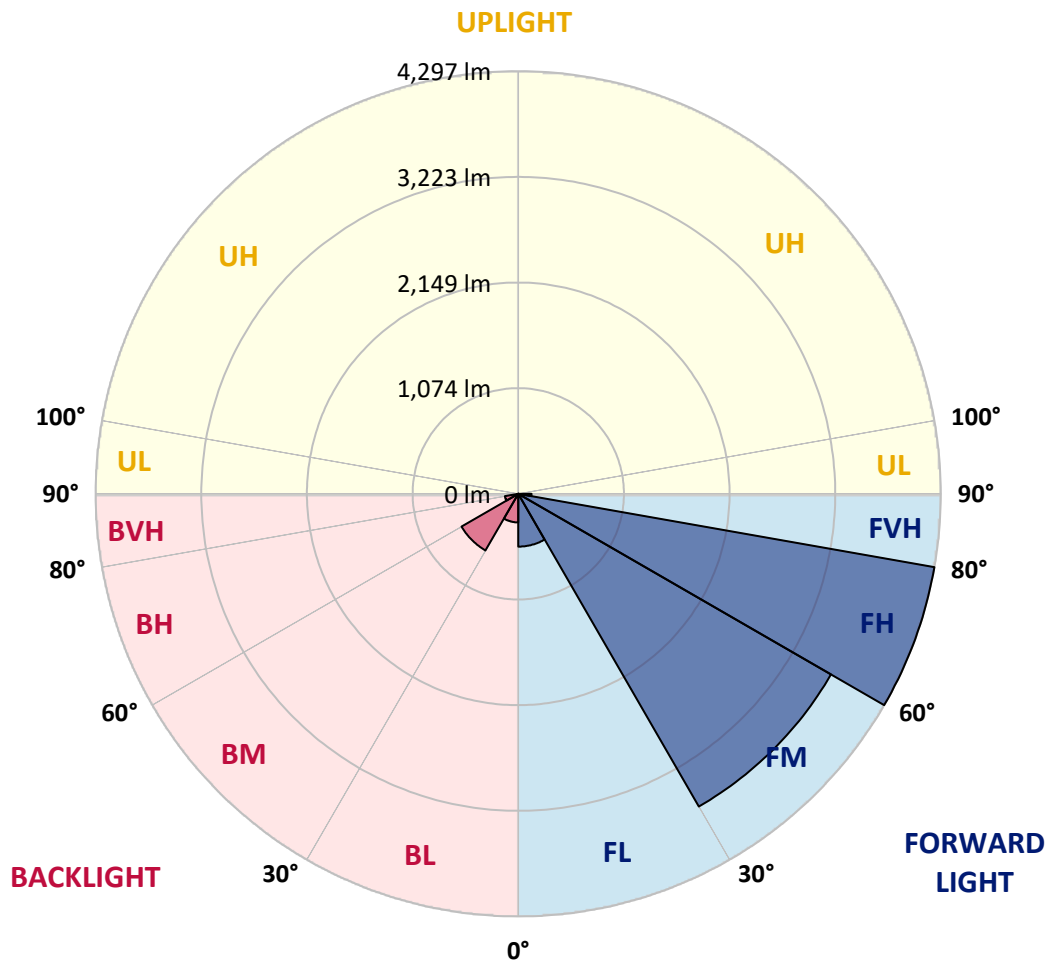


REPORT NUMBER: P852274  
 CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.8	5.5			
FM (30°-60°)	3671.8	37.7			
FH (60°-80°)	4297.1	44.1			G2/5000
FVH (80°-90°)	135.5	1.4			G2/225
BL (0°-30°)	291.2	3.0	B1/500		
BM (30°-60°)	665.3	6.8	B1/1000		
BH (60°-80°)	137.5	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Short



REPORT NUMBER: P852274  
 CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2
2.5°	1348.4	1359.8	1362.0	1365.6	1365.6	1369.8	1377.0	1387.0	1403.4	1411.9
5°	1242.8	1251.4	1262.1	1270.7	1287.1	1289.2	1317.0	1344.2	1382.0	1410.5
7.5°	1136.5	1146.5	1160.8	1181.5	1202.9	1209.3	1251.4	1297.1	1357.0	1410.5
10°	1061.6	1062.3	1075.2	1095.9	1130.1	1138.0	1189.3	1254.3	1329.2	1401.9
12.5°	1019.5	1024.5	1030.2	1045.9	1078.7	1083.7	1138.7	1215.0	1301.3	1396.9
15°	1019.5	1023.1	1026.7	1034.5	1060.9	1065.2	1113.7	1190.0	1287.1	1399.1
17.5°	1030.2	1035.9	1033.1	1042.4	1070.2	1073.0	1115.8	1182.9	1286.4	1412.6
20°	1055.9	1060.2	1054.5	1060.2	1088.0	1093.7	1138.0	1196.5	1298.5	1436.2
22.5°	1096.6	1098.7	1085.2	1089.4	1118.0	1125.1	1176.5	1235.0	1327.7	1474.0
25°	1148.0	1152.2	1131.5	1136.5	1163.6	1172.2	1231.4	1292.8	1374.1	1526.1
27.5°	1207.2	1209.3	1191.5	1190.8	1225.7	1237.8	1297.8	1364.1	1436.2	1591.7
30°	1274.9	1281.4	1264.2	1261.4	1305.6	1315.6	1374.8	1451.9	1527.5	1690.2
32.5°	1328.5	1333.5	1323.5	1330.6	1375.5	1383.4	1468.3	1576.0	1670.9	1830.0
35°	1405.5	1408.4	1385.5	1398.4	1449.7	1469.7	1596.0	1750.1	1851.4	2005.5
37.5°	1684.5	1684.5	1587.4	1523.9	1573.2	1591.0	1770.8	1969.1	2074.0	2241.0
40°	2070.5	2064.0	1922.1	1792.2	1785.8	1820.7	2019.8	2245.2	2361.5	2523.5
42.5°	2482.1	2472.1	2278.8	2150.4	2129.0	2141.1	2307.3	2585.6	2704.0	2868.1
45°	2847.4	2844.6	2667.6	2495.0	2456.4	2495.0	2666.2	2983.7	3068.6	3241.2
47.5°	3153.5	3153.5	3024.3	2911.6	2891.6	2914.5	3152.1	3425.3	3417.5	3638.6
50°	3505.9	3503.1	3380.4	3331.8	3352.5	3384.6	3711.4	3890.5	3778.5	4028.9
52.5°	3752.8	3769.9	3727.8	3720.0	3825.6	3881.2	4279.3	4345.7	4101.7	4399.2
55°	3948.3	3968.2	4016.8	4071.7	4275.0	4347.8	4829.4	4777.3	4372.1	4720.2
57.5°	4225.1	4196.6	4271.5	4379.9	4708.8	4796.6	5362.3	5184.7	4589.7	4980.6
60°	4561.1	4565.4	4578.3	4715.2	5141.9	5254.6	5887.4	5570.0	4729.5	5140.5
62.5°	4964.9	4971.4	4997.8	5208.2	5723.4	5829.7	6446.8	5885.3	4793.7	5095.5
65°	4937.1	4964.2	5258.9	5978.8	6607.3	6712.2	7099.6	6106.5	4696.7	4684.6
67.5°	4497.6	4541.9	5034.9	6899.1	7940.1	8057.1	7888.7	6150.0	4277.9	3642.9
70°	3921.2	3936.9	4529.7	7726.7	9483.3	9601.7	8595.0	5671.3	3246.2	2031.9
72.5°	3062.2	3065.7	3761.3	7918.7	10320.9	10327.3	8040.7	4210.1	1745.8	780.5
75°	2187.5	2166.1	2519.2	6421.8	9080.2	9152.9	6028.0	1974.8	667.1	368.9
77.5°	1172.9	1196.5	1425.5	3808.4	6272.7	6396.9	3289.0	569.3	339.6	251.1
80°	362.4	382.4	584.3	1743.7	3553.0	3627.9	1219.3	253.3	236.9	179.1
82.5°	114.2	118.4	272.5	732.7	1474.7	1509.0	353.2	143.4	162.0	118.4
85°	32.8	33.5	121.3	273.3	364.6	371.7	99.2	55.6	92.7	73.5
87.5°	3.6	11.4	45.7	45.7	32.1	31.4	10.7	12.1	26.4	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852274  
 CATALOG NUMBER: GLAN-SB2C-850-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1411.2	0°	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2	1411.2
1417.6	2.5°	1414.1	1414.8	1405.5	1389.8	1372.7	1358.4	1340.6	1326.3	1316.3	1313.5
1430.5	5°	1424.1	1419.1	1392.7	1344.9	1287.8	1238.6	1183.6	1140.1	1111.6	1099.4
1444.0	7.5°	1439.0	1424.8	1367.0	1272.8	1163.6	1066.6	968.2	891.8	843.3	819.0
1456.9	10°	1451.9	1423.3	1324.2	1168.6	1001.7	854.7	722.0	630.0	578.6	554.4
1471.9	12.5°	1464.0	1422.6	1268.5	1045.2	819.0	639.3	515.8	470.2	455.9	450.9
1496.1	15°	1486.8	1424.8	1198.6	903.9	637.1	483.0	438.1	437.3	440.2	438.8
1533.2	17.5°	1518.2	1426.9	1119.4	754.1	491.6	425.9	423.8	430.2	434.5	432.4
1579.6	20°	1558.9	1435.5	1035.2	605.7	422.4	411.7	416.7	422.4	425.9	422.4
1641.7	22.5°	1616.0	1450.5	943.2	486.6	400.2	403.1	407.4	413.8	417.4	412.4
1720.9	25°	1685.9	1474.0	852.6	423.1	389.5	393.1	399.5	406.7	411.0	406.0
1820.7	27.5°	1776.5	1511.8	769.1	408.8	378.8	381.0	390.3	401.0	406.7	400.2
1962.7	30°	1907.8	1573.9	697.0	415.2	372.4	367.4	380.3	395.3	401.7	396.0
2156.1	32.5°	2081.9	1661.6	652.8	425.2	369.6	351.7	363.9	383.1	393.8	390.3
2408.6	35°	2310.2	1795.1	635.7	436.6	367.4	335.3	343.9	364.6	383.1	386.7
2726.8	37.5°	2587.0	1980.6	640.7	441.6	361.0	321.8	326.0	343.9	368.1	379.6
3085.0	40°	2901.6	2196.7	669.2	436.6	353.9	310.4	311.1	324.6	346.0	363.1
3470.3	42.5°	3226.3	2449.3	722.0	418.1	347.5	300.4	298.2	307.5	321.8	333.9
3854.8	45°	3535.2	2709.0	774.1	392.4	339.6	290.4	285.4	289.0	291.8	296.8
4229.4	47.5°	3804.9	2891.6	759.1	368.9	328.9	279.0	270.4	269.0	260.4	259.7
4564.0	50°	3991.1	2931.6	674.2	345.3	313.2	266.1	252.6	244.0	229.0	221.9
4814.4	52.5°	4050.3	2773.9	550.8	321.8	287.5	249.0	229.7	216.2	197.6	191.2
4958.5	55°	3971.8	2465.0	440.2	293.2	251.9	226.2	204.8	186.9	171.9	164.1
4974.2	57.5°	3779.9	2071.9	348.2	259.7	214.0	200.5	179.1	161.2	148.4	140.6
4800.1	60°	3461.7	1645.2	275.4	219.7	182.6	172.7	150.5	139.1	127.7	118.4
4350.7	62.5°	2978.7	1174.4	216.2	174.1	152.7	141.3	128.4	119.9	106.3	93.5
3542.3	65°	2324.4	718.5	166.9	127.7	122.7	117.0	109.2	101.3	84.9	72.1
2310.9	67.5°	1466.2	340.3	119.1	96.3	97.0	94.2	90.6	84.2	72.1	60.6
1035.2	70°	645.7	164.8	78.5	73.5	72.1	72.1	74.9	72.8	61.4	50.7
359.6	72.5°	219.7	88.5	58.5	55.6	52.1	51.4	62.8	60.6	49.2	39.2
179.1	75°	114.9	59.2	42.8	40.0	31.4	37.8	49.9	47.1	35.0	25.7
118.4	77.5°	74.9	42.1	29.3	25.7	17.8	25.0	37.1	32.8	20.7	12.8
77.8	80°	47.1	27.8	17.1	12.1	8.6	13.6	20.0	14.3	7.8	2.9
45.7	82.5°	25.0	14.3	6.4	4.3	3.6	4.3	5.0	3.6	1.4	0.0
23.5	85°	10.0	5.0	2.1	1.4	0.7	0.0	1.4	0.7	0.0	0.0
4.3	87.5°	3.6	0.7	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°
1411.2
1318.5
1103.7
822.6
555.1
449.5
438.1
431.6
421.7
411.7
405.2
400.2
395.3
390.3
386.7
382.4
368.9
338.9
299.7
259.0
222.6
190.5
164.1
139.1
116.3
91.3
69.9
59.2
48.5
37.1
23.5
11.4
2.1
0.0
0.0
0.0
0.0

F REPORT)