

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: P846305

Luminaire Tested: **GLAN-SB1D-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846305  
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-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 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: 6610 lumens  
Efficiency: N/A  
Efficacy: 83.0 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

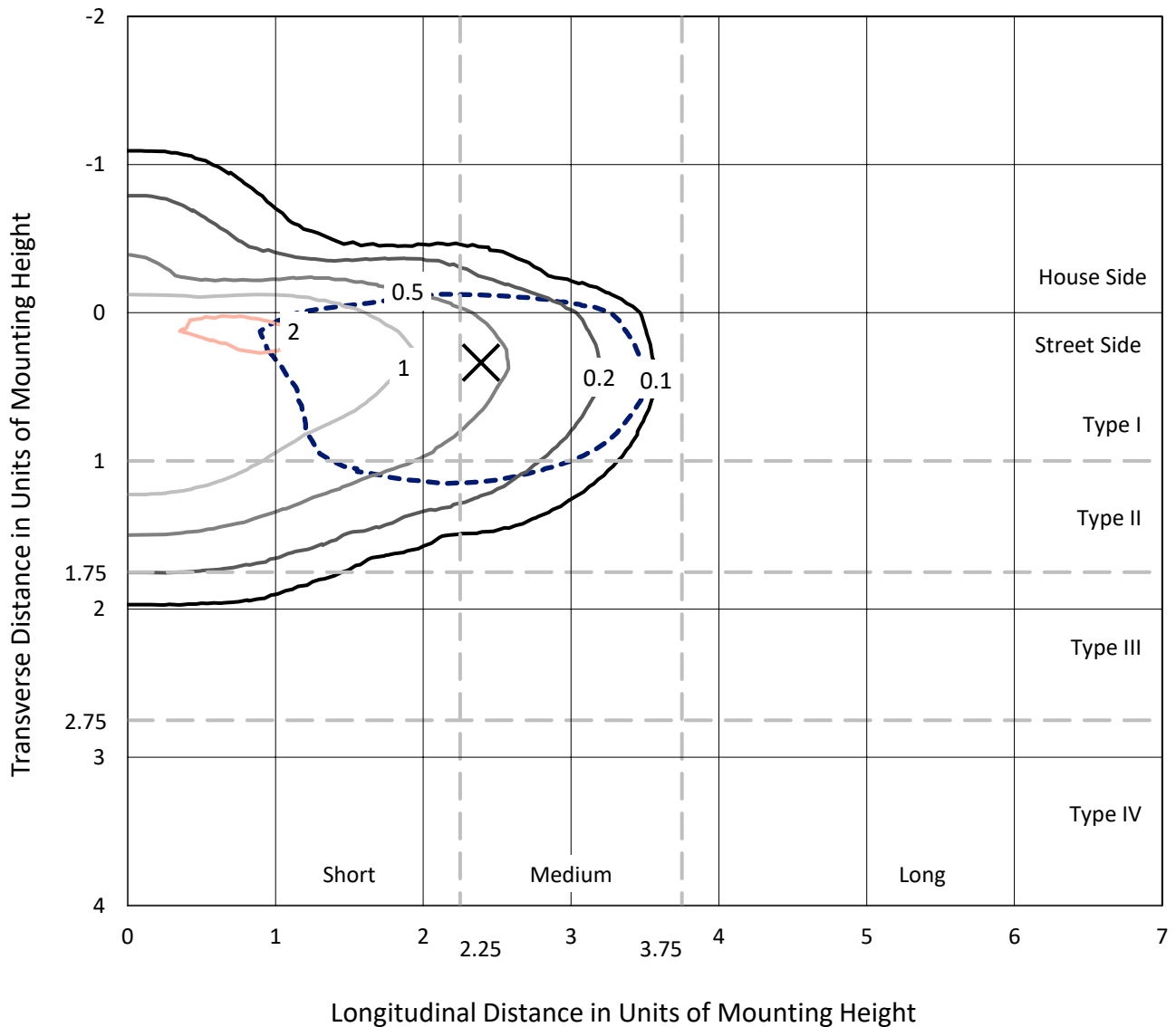
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846305  
 CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

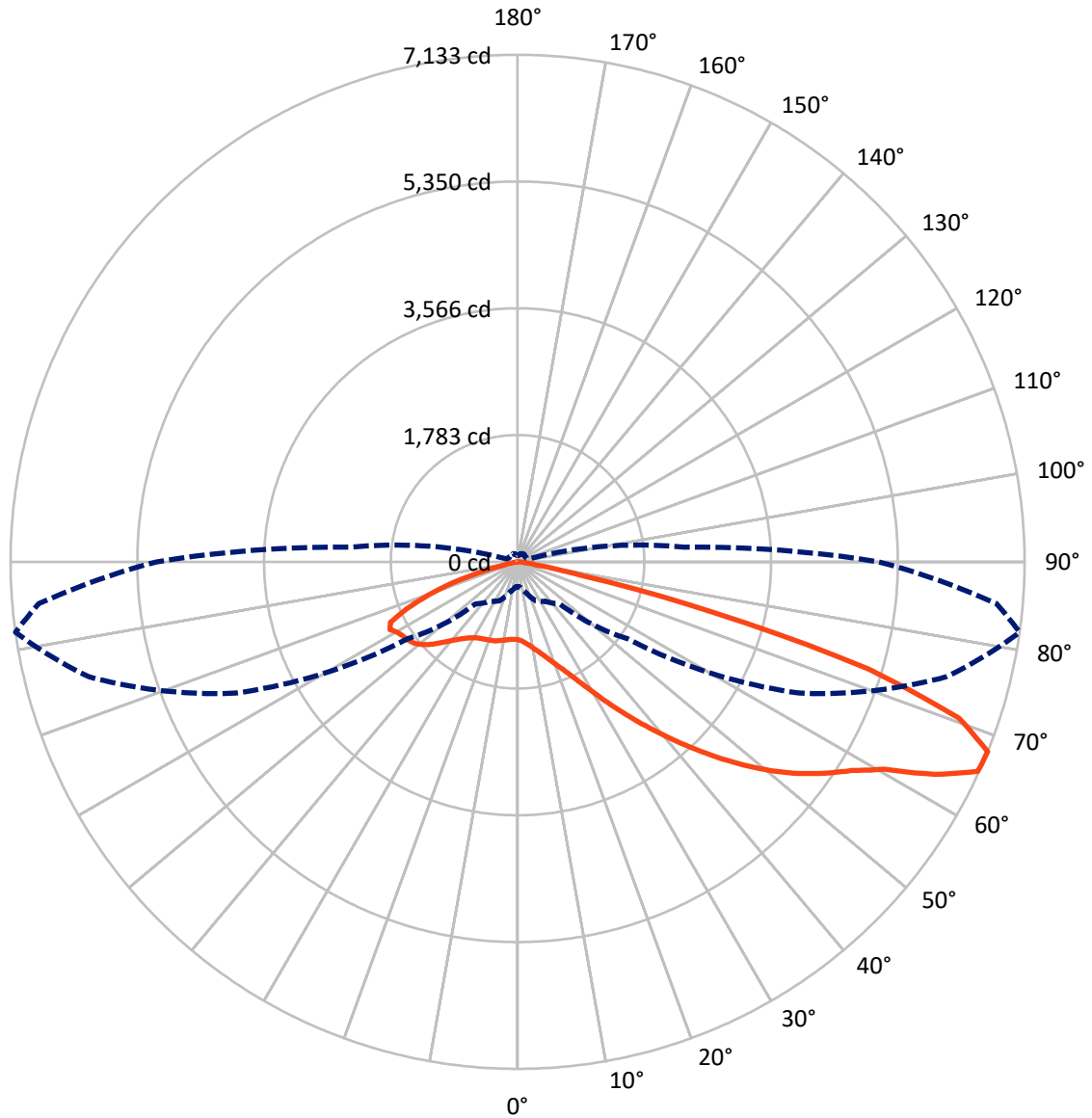
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P846305  
CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P846305  
 CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

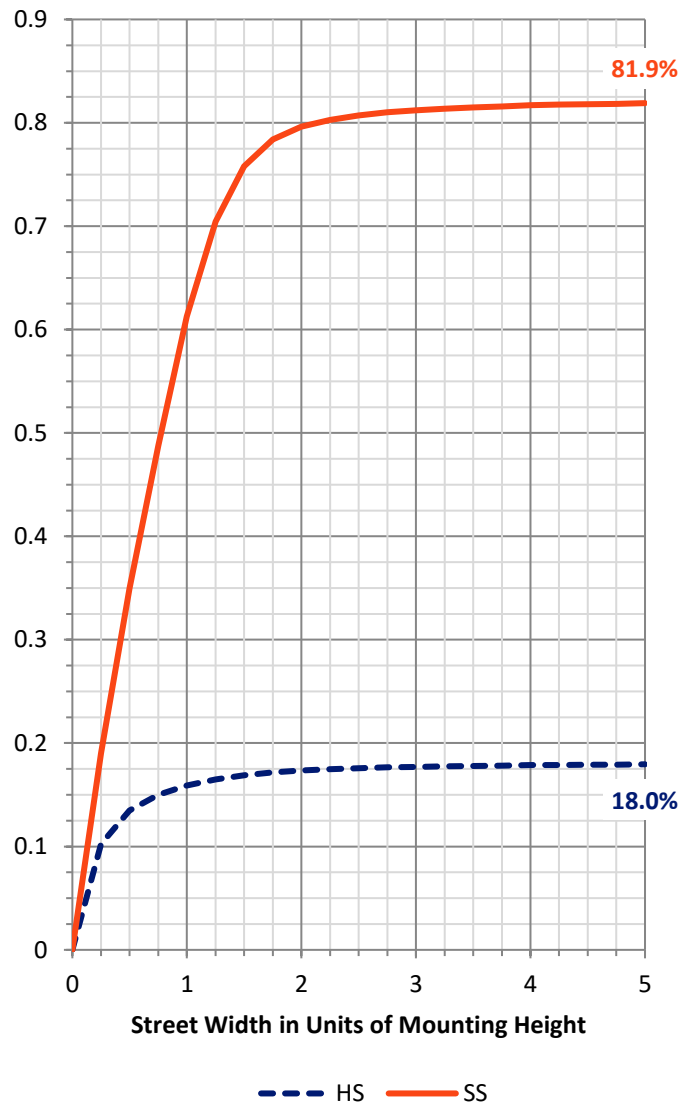
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1197.3	0.0	1197.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	5412.7	0.0	5412.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	6610.0	0.0	6610.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	1.5
10°-20°	253.5	3.8
20°-30°	406.1	6.1
30°-40°	718.0	10.9
40°-50°	1258.1	19.0
50°-60°	1677.9	25.4
60°-70°	1562.1	23.6
70°-80°	599.5	9.1
80°-90°	37.2	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°	6610.0	100.0
0°-180°	6610.0	100.0

**Coefficient of Utilization**

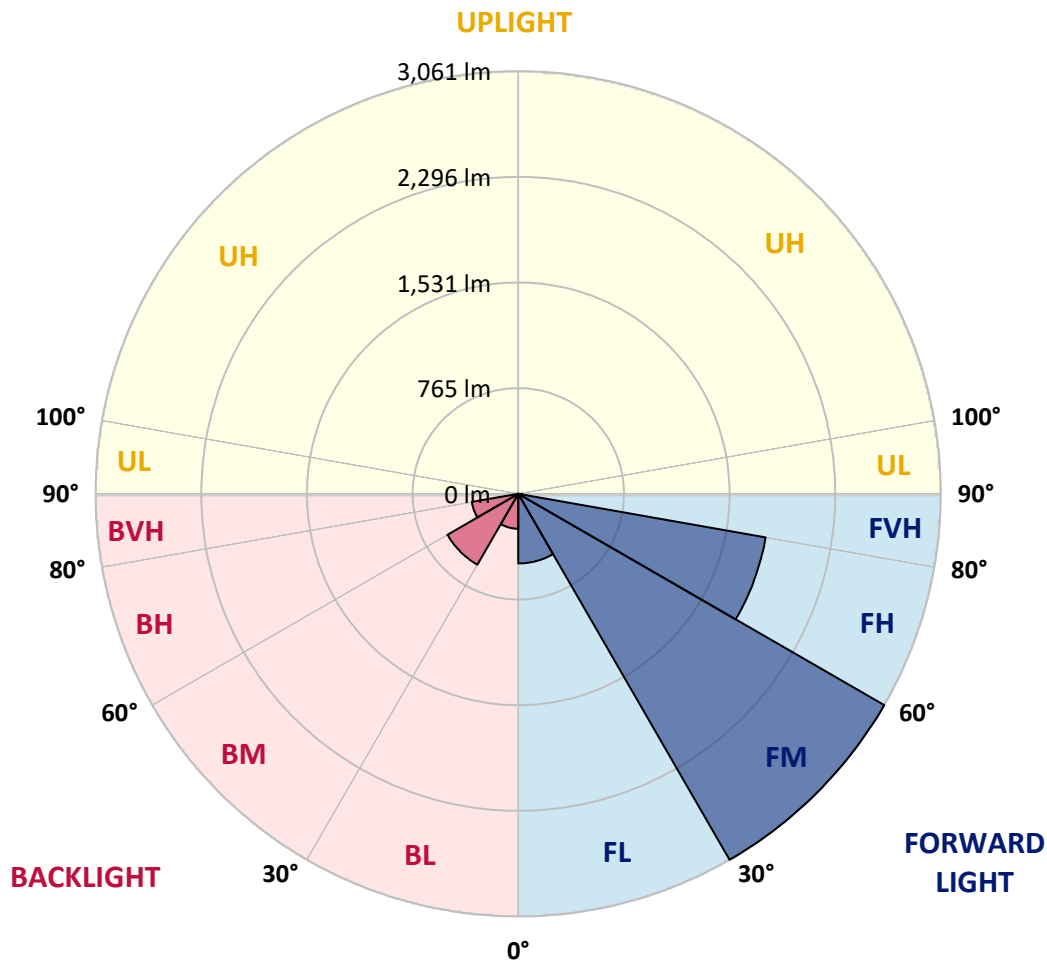


REPORT NUMBER: P846305  
 CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	504.3	7.6			
FM (30°-60°)	3061.5	46.3			
FH (60°-80°)	1819.8	27.5			G2/5000
FVH (80°-90°)	27.1	0.4			G1/100
BL (0°-30°)	252.9	3.8	B1/500		
BM (30°-60°)	592.6	9.0	B1/1000		
BH (60°-80°)	341.7	5.2	B1/500		G1/500
BVH (80°-90°)	10.2	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: P846305  
 CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1
2.5°	1157.4	1164.1	1160.3	1158.3	1155.0	1150.3	1146.5	1134.6	1122.2	1114.1
5°	1180.7	1187.4	1186.9	1188.8	1191.2	1192.6	1191.7	1178.3	1160.7	1146.9
7.5°	1160.7	1168.3	1174.5	1184.0	1200.7	1218.3	1226.9	1224.0	1205.9	1186.9
10°	1104.1	1112.2	1126.9	1149.3	1184.5	1222.6	1254.5	1269.2	1257.8	1236.9
12.5°	1000.3	1008.4	1037.5	1086.0	1145.0	1211.2	1272.1	1311.6	1314.4	1293.5
15°	883.8	891.8	922.8	983.7	1073.6	1179.8	1281.6	1356.3	1381.5	1363.5
17.5°	811.4	818.6	841.9	890.9	984.6	1116.9	1278.3	1403.9	1461.5	1447.2
20°	789.5	795.7	806.7	840.9	919.0	1051.7	1256.4	1448.6	1547.6	1539.5
22.5°	812.8	818.6	821.9	837.1	886.1	1008.9	1228.8	1494.3	1647.6	1648.5
25°	866.6	872.3	868.5	878.0	899.5	995.6	1218.3	1548.1	1773.2	1783.7
27.5°	955.1	955.6	946.6	946.1	949.4	1015.6	1229.3	1605.7	1931.7	1951.2
30°	1132.6	1125.5	1090.8	1053.2	1036.0	1075.5	1259.7	1673.8	2118.7	2153.5
32.5°	1406.3	1395.8	1332.1	1242.1	1151.7	1172.1	1314.4	1751.3	2322.4	2385.2
35°	1703.3	1700.4	1633.8	1500.0	1342.0	1309.7	1403.4	1853.2	2544.7	2644.6
37.5°	1979.3	1977.9	1939.8	1782.3	1590.0	1501.5	1546.2	1986.4	2782.6	2927.3
40°	2231.5	2235.8	2197.7	2056.9	1863.2	1747.5	1740.4	2151.1	3047.2	3235.2
42.5°	2449.5	2454.2	2415.7	2311.5	2133.0	2019.7	1978.8	2352.9	3305.6	3565.9
45°	2597.5	2627.0	2621.3	2538.0	2410.0	2292.4	2265.3	2606.0	3600.2	3916.7
47.5°	2639.4	2666.5	2709.3	2720.7	2642.7	2527.0	2559.4	2911.1	3898.1	4267.9
50°	2536.1	2561.3	2650.3	2768.8	2823.1	2787.4	2845.4	3238.0	4203.2	4618.2
52.5°	2332.4	2358.1	2470.4	2657.9	2879.2	2991.5	3132.4	3560.2	4498.7	4949.9
55°	2037.8	2064.9	2209.1	2421.4	2772.1	3075.8	3371.8	3881.9	4769.5	5248.3
57.5°	1637.1	1657.1	1807.0	2104.0	2502.8	2992.0	3548.3	4233.2	5024.6	5541.4
60°	1067.0	1084.6	1258.8	1590.0	2056.4	2712.2	3583.6	4624.8	5363.4	5922.6
62.5°	709.6	721.5	824.7	1067.9	1448.2	2174.9	3377.5	4937.5	5860.3	6586.0
65°	486.8	498.7	602.0	771.4	935.6	1438.7	2785.0	4896.1	6310.5	7112.8
67.5°	347.4	357.4	445.0	604.9	677.2	835.7	1887.9	4366.9	6245.8	7132.8
70°	248.9	254.6	326.9	471.1	538.2	502.1	1049.8	3339.9	5468.6	6586.5
72.5°	174.2	176.1	227.0	358.8	433.5	366.4	499.7	2226.8	4136.1	5169.7
75°	118.0	120.4	152.8	263.2	347.9	279.8	264.6	1194.0	2428.1	2861.6
77.5°	72.3	73.3	98.5	179.9	260.3	213.2	170.4	505.9	939.4	922.3
80°	40.9	40.9	62.8	111.8	177.5	137.5	119.5	215.1	297.4	261.3
82.5°	22.8	23.3	45.7	69.5	117.5	81.4	65.7	99.5	128.5	113.7
85°	9.5	10.5	28.1	32.8	56.2	40.5	26.7	41.9	47.6	42.4
87.5°	1.0	1.4	8.6	6.2	6.7	8.1	3.8	8.1	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846305  
 CATALOG NUMBER: GLAN-SB1D-840-U-T2-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1095.1	0°	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1	1095.1
1111.2	2.5°	1102.2	1095.1	1077.0	1056.0	1028.4	1015.1	997.0	984.6	974.2	975.1
1138.8	5°	1123.6	1105.5	1065.1	1014.6	951.8	907.1	859.5	826.6	800.0	794.3
1176.9	7.5°	1153.1	1124.6	1053.6	962.8	856.6	776.2	704.3	658.2	625.3	614.9
1223.1	10°	1191.2	1149.8	1038.9	897.6	744.8	642.5	565.4	529.2	506.8	499.2
1277.3	12.5°	1235.4	1178.8	1019.4	818.1	629.6	531.1	482.1	464.0	456.9	454.5
1344.0	15°	1291.1	1215.0	989.9	723.8	532.1	463.1	442.1	439.7	440.7	439.7
1423.9	17.5°	1357.3	1254.5	941.8	626.8	466.4	428.3	420.7	422.6	425.0	424.5
1513.4	20°	1429.6	1293.5	880.4	540.6	421.7	403.6	399.3	401.2	403.1	402.1
1616.6	22.5°	1511.9	1335.4	812.4	473.5	391.7	380.7	376.0	376.4	376.4	374.5
1747.5	25°	1610.5	1381.5	741.0	425.9	368.8	360.3	354.5	352.6	349.8	344.1
1906.5	27.5°	1728.0	1430.6	672.5	392.6	350.7	342.7	336.0	331.2	324.1	314.6
2097.3	30°	1860.3	1490.1	614.4	371.7	336.5	328.4	320.8	313.6	303.2	291.3
2316.7	32.5°	2015.9	1553.8	572.0	357.9	323.6	315.0	306.0	297.4	286.0	274.1
2563.2	35°	2201.5	1630.9	547.3	348.4	313.6	302.2	292.2	282.7	274.1	263.7
2831.1	37.5°	2402.8	1712.8	539.7	343.6	307.0	289.3	277.9	271.3	270.3	264.1
3121.0	40°	2623.2	1809.9	545.4	340.7	299.8	277.0	264.6	263.2	265.6	254.6
3430.8	42.5°	2856.4	1925.0	554.9	337.4	289.8	264.6	252.7	252.7	250.8	235.6
3758.2	45°	3108.6	2057.8	564.4	329.3	277.9	252.2	243.2	239.9	231.8	217.0
4087.5	47.5°	3362.7	2193.0	571.6	314.6	263.7	241.8	233.7	226.1	214.2	200.8
4410.7	50°	3604.0	2314.3	563.9	292.7	247.5	231.8	223.2	212.7	199.9	190.8
4716.7	52.5°	3819.6	2419.5	531.6	267.0	230.3	221.3	213.7	202.7	192.3	182.7
4992.7	55°	4007.1	2504.7	474.5	242.7	215.1	212.3	204.6	190.8	176.6	168.5
5266.3	57.5°	4187.0	2569.4	403.1	222.7	201.3	202.3	190.8	178.5	165.1	156.6
5635.2	60°	4426.4	2656.0	330.8	204.2	186.6	189.4	177.0	168.0	151.3	140.4
6267.6	62.5°	4809.0	2790.7	262.7	181.3	169.4	170.4	165.1	154.2	134.2	121.4
6736.4	65°	5112.6	2741.2	207.0	156.6	149.9	151.3	151.3	139.4	118.0	103.3
6761.6	67.5°	5078.4	2347.2	165.1	132.3	131.3	132.3	135.6	125.6	104.7	92.8
6246.7	70°	4678.1	1867.0	132.3	109.9	114.2	111.8	121.4	114.7	94.2	82.3
4842.8	72.5°	3817.2	1344.9	100.9	90.9	87.6	91.4	109.5	103.3	78.5	65.2
2565.1	75°	2230.6	717.7	75.2	71.9	63.3	76.1	97.1	88.0	60.0	48.1
786.2	77.5°	726.2	250.3	55.2	52.8	47.1	61.4	82.8	74.2	49.0	38.1
230.3	80°	194.6	75.7	37.6	34.7	30.5	45.7	65.7	59.0	35.2	24.7
99.0	82.5°	78.0	31.9	21.9	19.5	16.7	31.4	51.9	47.6	26.2	15.7
30.9	85°	25.2	10.5	8.1	6.2	7.6	19.5	30.9	32.4	18.6	8.1
4.8	87.5°	3.3	1.4	1.4	1.9	1.4	3.3	9.5	9.0	5.2	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/>
1095.1
965.6
781.4
604.4
493.5
453.1
439.3
423.6
401.7
373.6
343.1
313.6
290.3
274.6
262.7
263.7
255.1
235.6
216.5
200.4
189.4
181.8
167.5
155.6
139.0
120.4
101.8
90.9
80.9
63.8
46.6
36.6
24.3
15.7
6.2
0.0
0.0

F REPORT)