

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: P852053

Luminaire Tested: **GLAN-SB1A-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4284 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

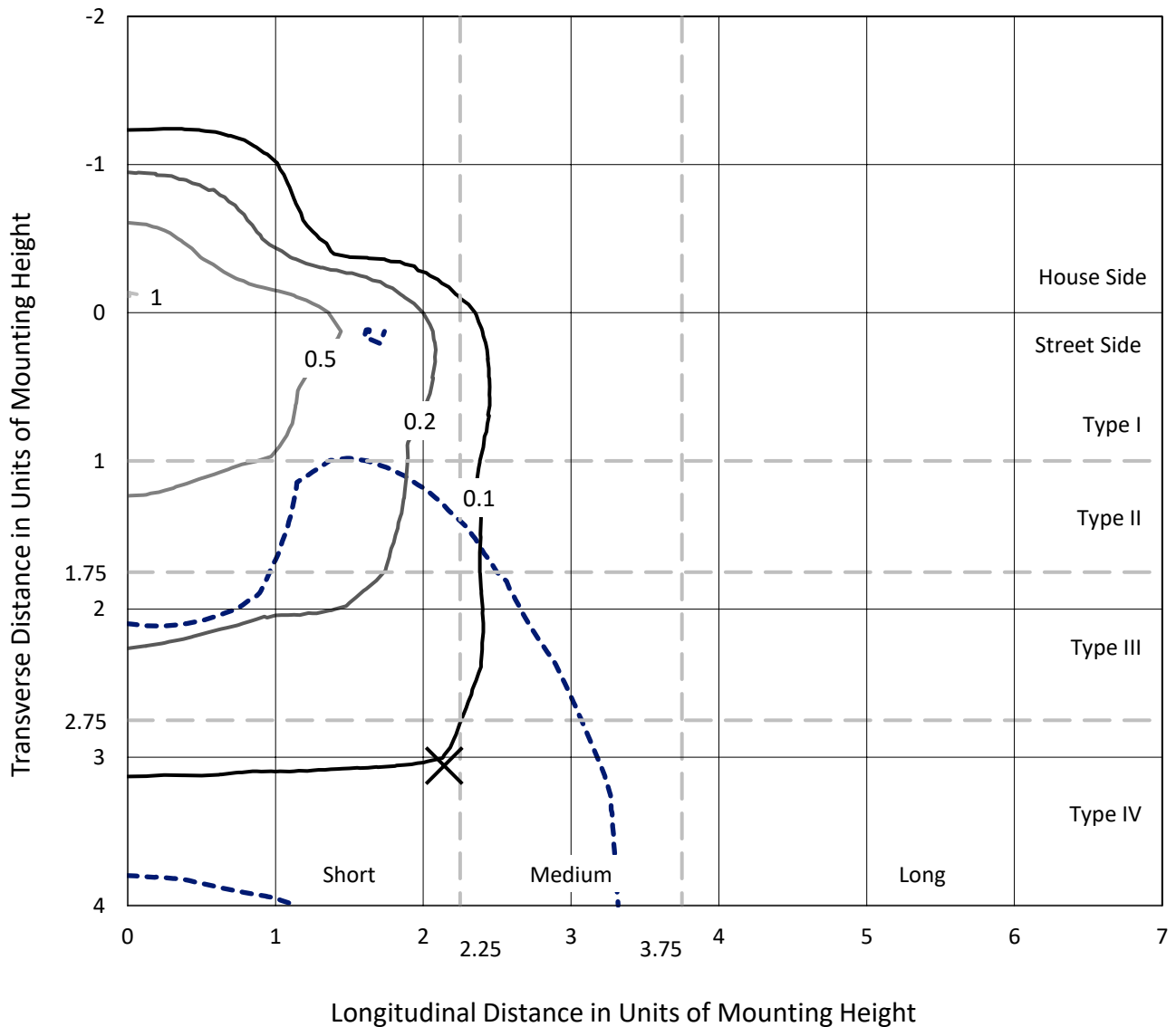
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852053
 CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

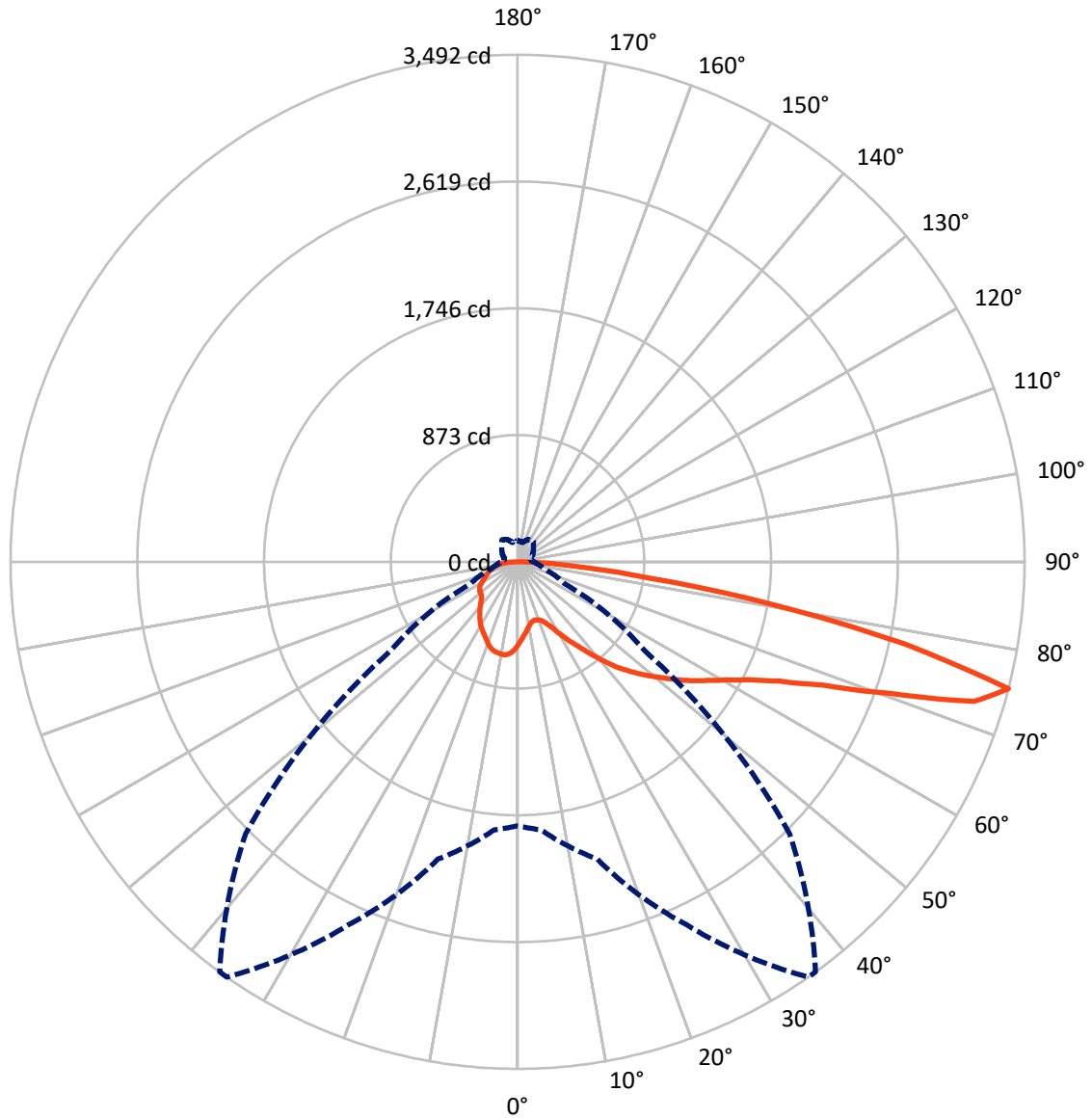
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

REPORT NUMBER: P852053
CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P852053
 CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

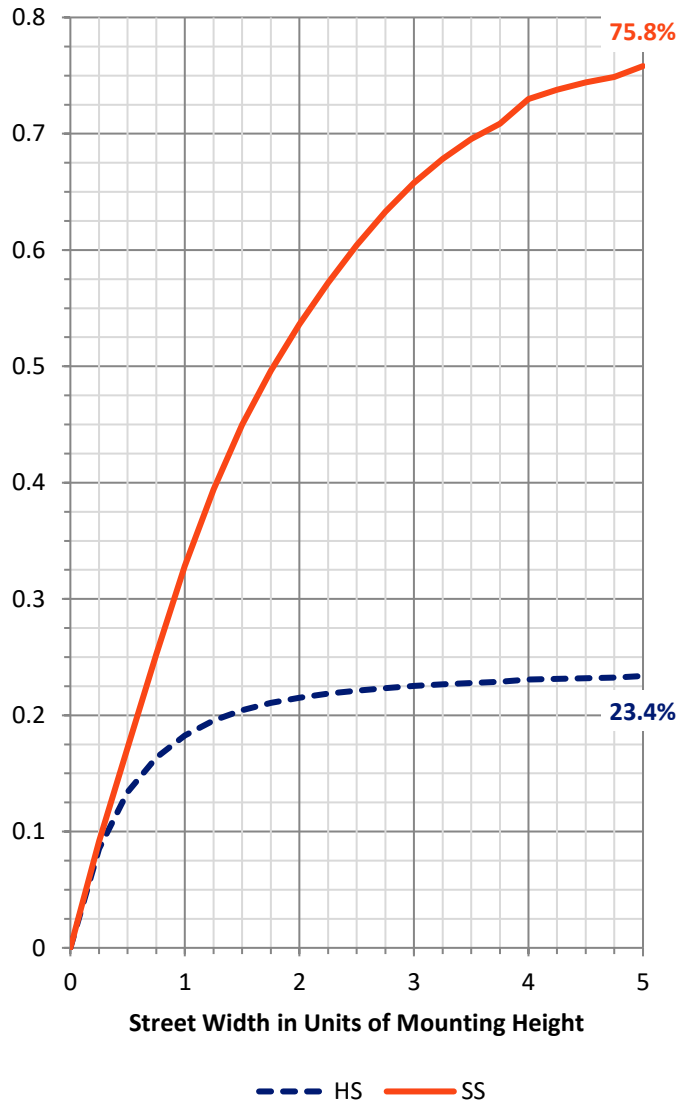
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1019.5	0.0	1019.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3264.5	0.0	3264.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	4284.0	0.0	4284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	1.3
10°-20°	155.9	3.6
20°-30°	261.8	6.1
30°-40°	406.9	9.5
40°-50°	603.9	14.1
50°-60°	833.7	19.5
60°-70°	1011.5	23.6
70°-80°	835.9	19.5
80°-90°	120.2	2.8
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°	4284.0	100.0
0°-180°	4284.0	100.0

Coefficient of Utilization



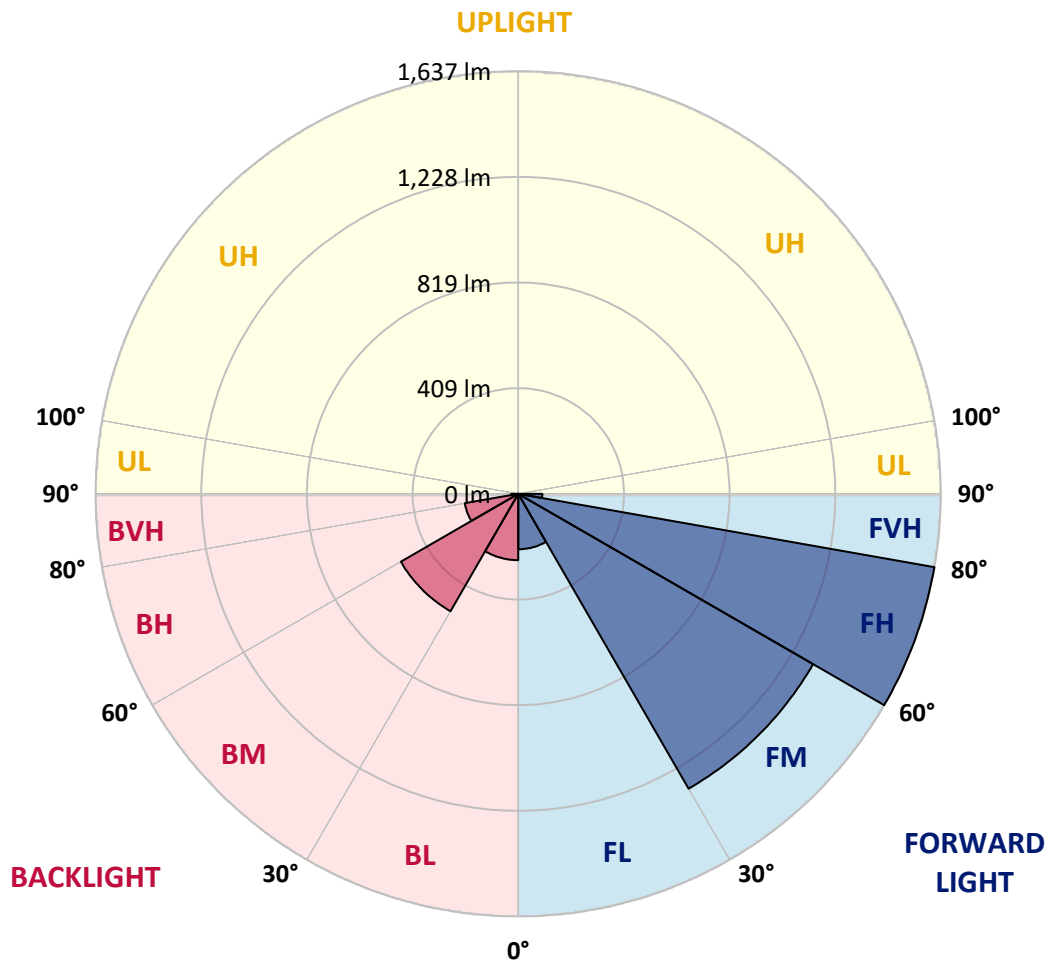
REPORT NUMBER: P852053
 CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.8	5.0			
FM (30°-60°)	1319.2	30.8			
FH (60°-80°)	1637.3	38.2			G1/1800
FVH (80°-90°)	93.2	2.2			G1/100
BL (0°-30°)	256.9	6.0	B1/500		
BM (30°-60°)	525.3	12.3	B1/1000		
BH (60°-80°)	210.2	4.9	B1/500		G1/500
BVH (80°-90°)	27.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short



REPORT NUMBER: P852053
 CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9
2.5°	526.4	529.6	531.0	530.3	533.8	533.4	538.2	544.2	552.6	560.7
5°	485.9	489.4	492.4	495.1	501.9	503.9	511.6	523.2	538.4	554.0
7.5°	448.1	451.1	455.8	460.9	472.2	474.3	487.0	505.1	526.4	549.1
10°	417.3	420.3	425.2	431.0	445.1	447.7	463.9	488.0	515.8	544.5
12.5°	404.1	405.1	407.8	413.6	425.9	427.5	445.3	472.9	505.3	541.0
15°	403.4	405.3	405.5	408.5	418.7	419.4	435.9	463.2	498.8	540.3
17.5°	410.4	411.8	409.7	411.5	420.1	421.3	434.2	458.6	496.8	543.3
20°	428.9	430.1	423.8	421.3	427.5	428.4	441.2	461.6	498.8	549.6
22.5°	468.3	469.0	453.7	443.3	443.7	444.2	455.3	473.8	507.0	560.9
25°	529.6	529.2	504.9	484.7	473.1	470.6	478.0	493.8	520.6	576.0
27.5°	601.4	598.0	573.7	543.5	518.3	514.6	513.0	519.7	540.1	595.9
30°	682.5	679.3	653.1	613.7	578.7	572.7	557.4	554.0	569.0	623.0
32.5°	771.4	769.3	738.1	690.4	643.6	636.6	610.9	601.7	613.5	664.0
35°	846.0	844.1	818.2	769.1	711.9	703.3	677.2	666.8	672.8	716.5
37.5°	913.4	912.5	890.2	851.6	792.5	782.1	752.7	749.2	748.0	785.8
40°	975.9	973.6	950.4	930.1	886.3	876.8	850.9	847.9	839.1	871.0
42.5°	1045.2	1039.1	1005.6	996.1	984.3	976.4	960.9	961.3	941.9	967.1
45°	1101.7	1098.2	1063.7	1058.1	1070.9	1067.6	1081.1	1084.5	1046.8	1067.9
47.5°	1162.4	1159.1	1129.9	1126.0	1160.5	1161.4	1208.9	1210.1	1149.2	1172.5
50°	1237.2	1232.5	1203.6	1208.4	1247.1	1250.6	1337.4	1329.6	1243.4	1278.8
52.5°	1286.5	1289.3	1283.0	1290.9	1343.7	1346.9	1463.9	1443.7	1336.7	1383.8
55°	1322.8	1328.4	1347.9	1365.9	1445.6	1448.8	1583.2	1552.4	1414.1	1481.0
57.5°	1369.6	1361.8	1398.1	1433.3	1542.4	1551.0	1699.2	1657.0	1482.6	1564.9
60°	1436.8	1431.2	1459.5	1511.6	1650.8	1664.4	1821.9	1751.3	1532.9	1631.3
62.5°	1573.0	1559.1	1563.5	1609.6	1787.4	1805.5	1960.4	1833.5	1557.9	1657.3
65°	1776.5	1752.7	1730.4	1762.4	1979.9	1997.7	2116.7	1898.1	1548.6	1607.0
67.5°	2032.9	2009.3	1982.0	2012.1	2263.3	2277.5	2309.7	1934.5	1475.7	1413.4
70°	2244.3	2235.5	2268.2	2392.1	2716.1	2716.6	2557.0	1904.4	1275.8	1002.1
72.5°	2216.3	2211.0	2383.1	2766.1	3286.7	3274.5	2791.1	1676.5	859.4	452.1
75°	1818.2	1852.7	2119.3	2759.4	3491.7	3490.1	2647.8	1065.8	355.5	187.4
77.5°	975.0	1029.7	1375.9	2037.3	2725.8	2766.8	1861.5	372.9	152.6	120.0
80°	318.0	365.7	548.4	1037.3	1771.2	1763.6	797.8	146.4	104.4	85.0
82.5°	135.0	140.6	245.0	489.8	909.0	894.9	254.1	84.1	73.4	58.1
85°	52.8	59.1	108.2	226.5	393.7	385.1	91.7	41.7	47.0	38.0
87.5°	17.4	21.1	38.7	77.6	122.5	118.1	22.5	14.4	20.4	17.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852053
 CATALOG NUMBER: GLAN-SB1A-730-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
570.9	0°	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9	570.9
572.5	2.5°	575.7	579.4	583.8	590.3	595.9	600.5	605.4	608.4	609.5	613.0
573.4	5°	579.9	588.0	598.9	609.5	620.0	626.2	631.8	634.6	637.1	639.0
576.0	7.5°	586.9	597.3	614.4	628.3	637.1	642.2	645.9	645.0	645.9	646.4
578.7	10°	592.9	607.5	627.8	641.0	647.8	648.0	647.1	643.8	642.2	642.4
582.9	12.5°	600.1	616.3	638.3	649.4	651.2	646.1	642.2	636.6	634.6	633.6
589.2	15°	609.8	628.3	649.6	653.8	649.1	642.7	635.9	626.9	622.3	618.6
599.8	17.5°	621.6	642.0	658.4	655.4	645.4	634.8	623.9	610.2	600.7	596.8
614.4	20°	638.0	656.3	665.1	651.9	636.9	620.7	602.1	585.5	576.7	572.7
632.9	22.5°	658.0	675.6	671.6	645.9	624.6	598.7	575.5	563.2	558.8	556.1
656.8	25°	681.8	696.9	676.2	637.1	604.5	569.5	551.6	547.7	545.6	543.5
686.0	27.5°	712.8	720.9	679.7	624.1	573.0	538.4	532.0	532.7	532.0	528.5
726.5	30°	753.8	752.2	683.0	603.1	536.8	510.4	510.9	513.9	514.4	512.0
783.0	32.5°	807.8	791.3	684.6	575.7	502.3	485.9	486.3	489.6	491.9	488.0
856.9	35°	873.1	837.0	682.0	541.5	475.7	462.5	459.0	459.9	460.6	456.9
946.5	37.5°	949.3	888.2	670.7	503.5	453.7	439.6	432.1	425.9	422.2	418.7
1047.9	40°	1032.9	944.0	649.8	466.4	429.1	415.2	404.1	392.3	379.8	375.2
1155.4	42.5°	1120.4	1001.4	624.6	431.0	400.9	389.5	377.7	360.6	341.8	332.3
1267.0	45°	1211.2	1060.2	599.8	396.0	371.9	367.1	353.4	332.8	312.4	300.4
1378.9	47.5°	1300.2	1115.8	563.5	360.8	344.8	350.2	339.5	320.5	297.8	278.8
1489.8	50°	1385.1	1167.9	503.9	325.2	322.8	345.1	334.9	307.6	281.6	257.3
1598.7	52.5°	1469.4	1210.1	427.7	292.7	311.0	343.7	328.9	298.8	267.0	241.5
1701.0	55°	1541.0	1231.8	354.3	264.9	293.9	331.9	321.7	288.3	246.4	219.3
1771.2	57.5°	1581.8	1214.2	293.2	237.6	270.3	312.4	309.4	266.1	221.9	201.0
1784.9	60°	1564.2	1142.9	243.2	213.8	247.8	291.3	288.1	244.1	203.1	183.4
1711.7	62.5°	1467.1	1007.0	203.6	192.9	227.4	269.8	266.8	227.2	188.7	169.8
1517.4	65°	1271.7	819.1	172.8	175.5	206.8	243.9	248.3	213.1	177.4	158.9
1173.9	67.5°	969.9	593.3	148.7	160.5	186.7	218.4	231.1	202.9	167.9	150.3
679.3	70°	552.8	337.0	128.3	145.9	168.8	194.8	217.9	194.8	157.7	143.1
254.5	72.5°	209.6	154.7	110.9	131.3	151.7	174.9	203.3	182.0	145.9	135.0
131.5	75°	111.9	94.3	93.3	114.2	132.0	155.4	185.0	169.5	137.1	142.7
91.0	77.5°	76.2	66.7	78.0	97.7	110.5	133.9	165.6	150.5	118.8	118.3
63.0	80°	52.8	47.2	63.5	78.7	85.5	112.6	144.5	129.2	96.8	90.3
38.9	82.5°	31.7	30.8	47.5	58.8	60.4	86.8	119.7	108.4	79.2	69.0
23.2	85°	17.4	18.3	30.3	34.5	35.2	60.7	93.8	83.8	60.9	51.2
8.3	87.5°	4.9	6.3	11.1	13.7	16.9	31.5	55.8	49.8	30.6	21.3
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/>
570.9
612.8
639.4
647.1
642.9
633.2
619.7
597.0
572.3
556.5
543.5
529.2
513.2
489.8
459.5
421.0
377.3
333.5
299.4
276.8
255.2
238.8
217.0
198.2
180.6
166.7
155.9
147.5
141.3
133.2
147.3
109.1
86.4
69.5
51.6
21.3
0.0

F REPORT)