

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: P846143

Luminaire Tested: **GLAN-SB1C-850-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-850-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6376 lumens  
Efficiency: N/A  
Efficacy: 117.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

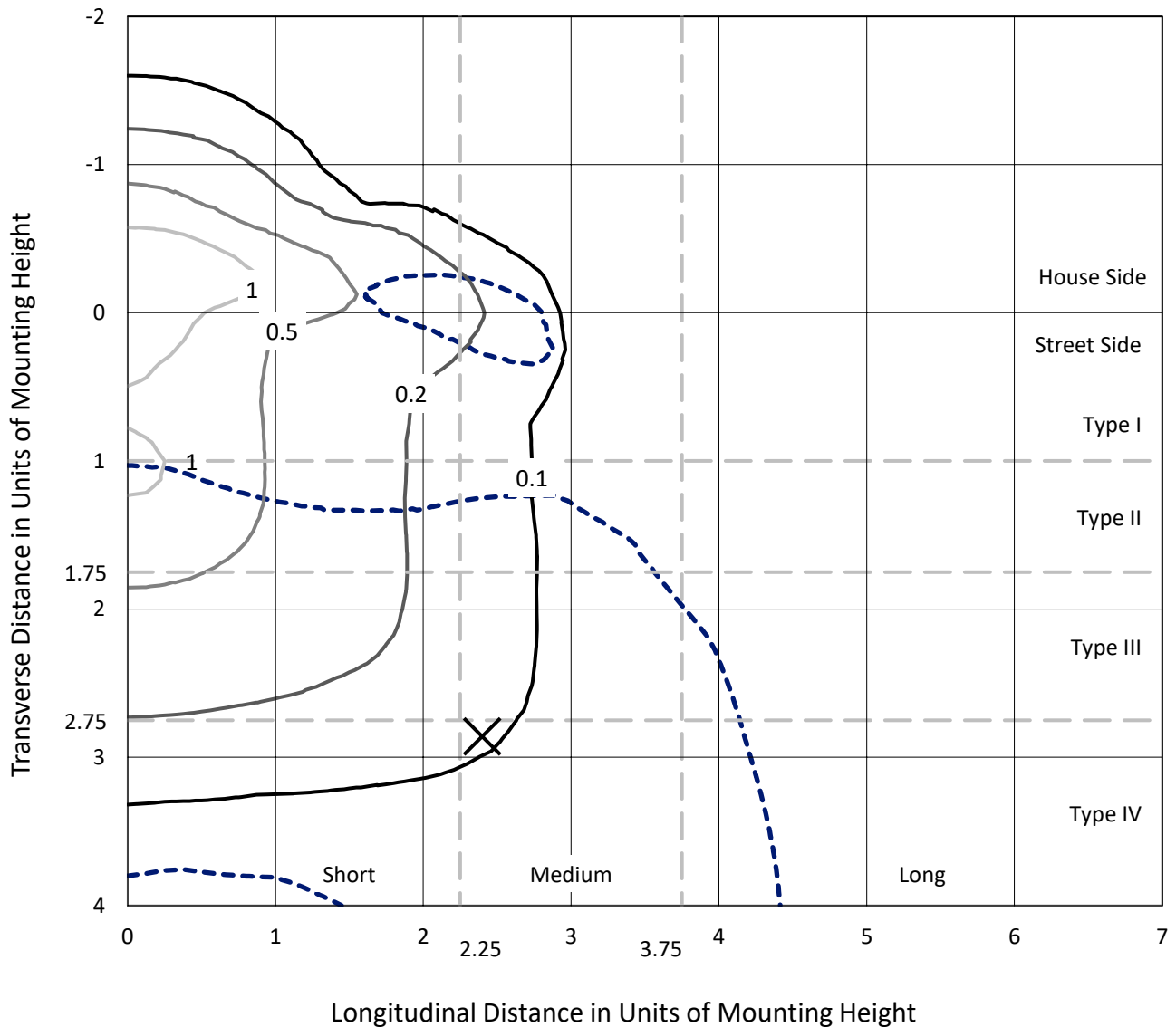
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P846143  
 CATALOG NUMBER: GLAN-SB1C-850-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

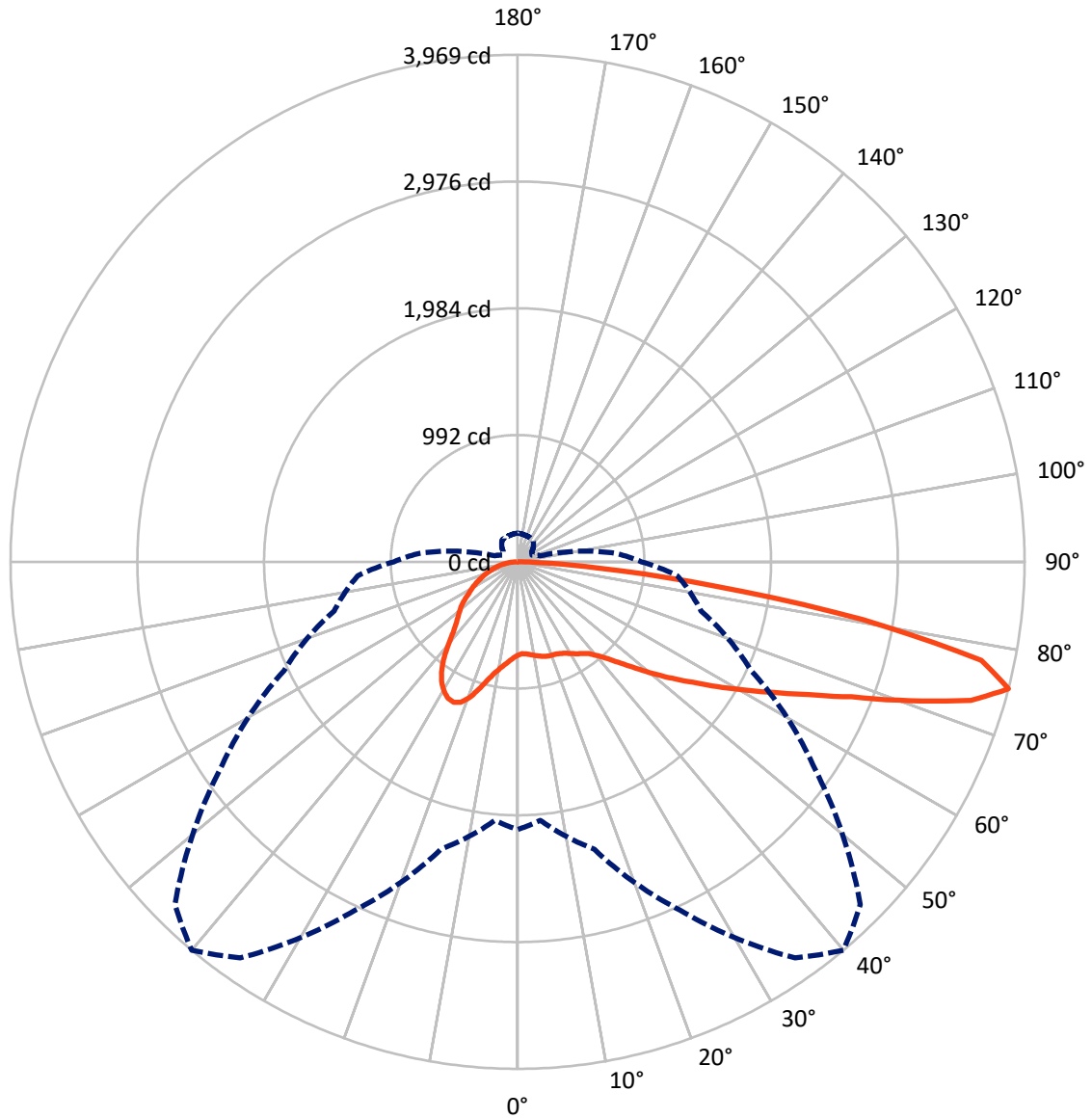
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P846143  
CATALOG NUMBER: GLAN-SB1C-850-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P846143  
 CATALOG NUMBER: GLAN-SB1C-850-U-SL4

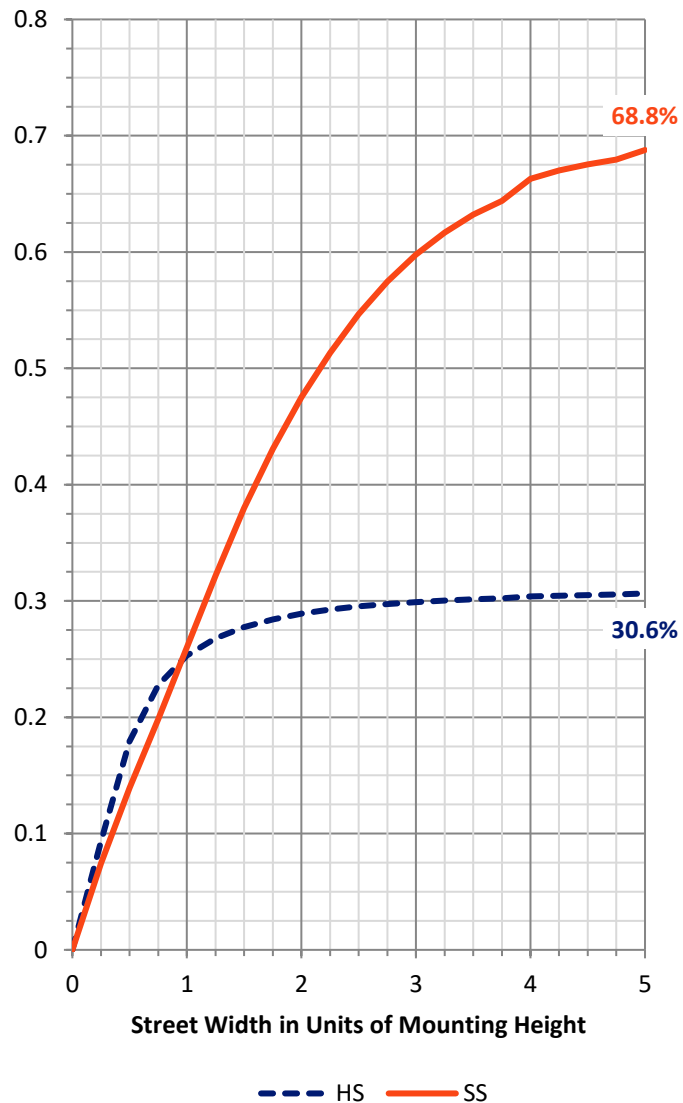
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1975.5	0.0	1975.5
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	4400.5	0.0	4400.5
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	6376.0	0.0	6376.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.8	1.1
10°-20°	244.4	3.8
20°-30°	446.2	7.0
30°-40°	632.8	9.9
40°-50°	854.5	13.4
50°-60°	1149.5	18.0
60°-70°	1458.9	22.9
70°-80°	1324.1	20.8
80°-90°	193.0	3.0
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°	6376.0	100.0
0°-180°	6376.0	100.0

**Coefficient of Utilization**

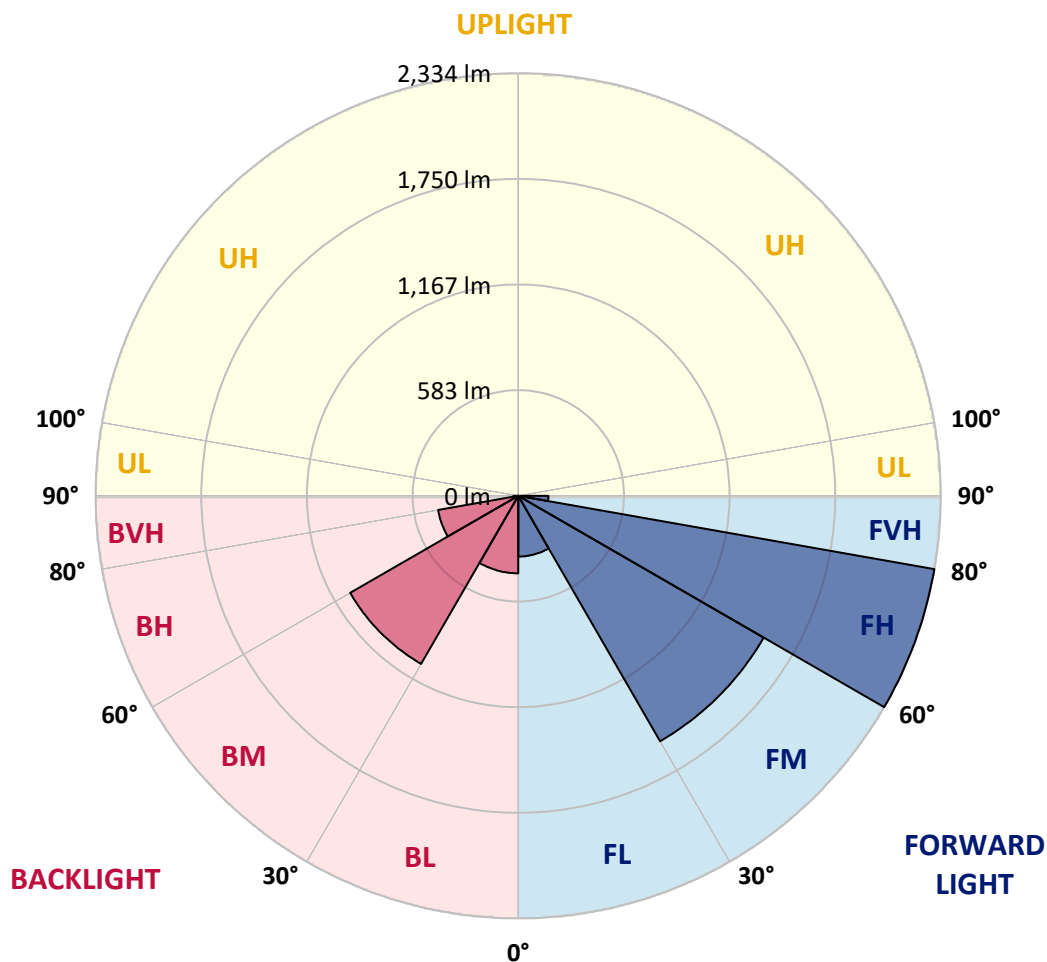


REPORT NUMBER: P846143  
 CATALOG NUMBER: GLAN-SB1C-850-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.4	5.3			
FM (30°-60°)	1565.2	24.5			
FH (60°-80°)	2333.5	36.6			G2/5000
FVH (80°-90°)	166.4	2.6			G2/225
BL (0°-30°)	427.9	6.7	B1/500		
BM (30°-60°)	1071.5	16.8	B2/2500		
BH (60°-80°)	449.5	7.0	B1/500		G1/500
BVH (80°-90°)	26.6	0.4			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 IV Medium



REPORT NUMBER: P846143  
 CATALOG NUMBER: GLAN-SB1C-850-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1
2.5°	717.9	722.0	721.0	719.6	719.6	720.0	719.6	722.0	724.4	726.7
5°	725.4	729.4	727.4	725.7	724.4	724.0	723.0	722.7	724.0	727.1
7.5°	739.9	744.0	740.9	737.9	735.2	733.8	732.5	730.5	729.4	731.1
10°	756.2	760.2	756.5	751.1	746.7	745.0	743.6	741.6	740.3	741.3
12.5°	772.4	776.4	771.4	763.9	758.2	757.2	755.5	754.8	754.5	754.1
15°	787.6	791.0	784.6	775.8	769.7	768.0	766.3	767.3	769.0	771.0
17.5°	799.4	802.8	793.4	781.9	776.1	775.4	774.4	777.8	782.5	787.6
20°	810.3	813.6	801.5	785.9	779.2	779.2	779.5	786.6	793.4	800.8
22.5°	825.5	828.2	813.3	792.0	782.2	782.9	785.6	792.7	801.1	811.3
25°	848.1	850.2	831.9	803.5	792.3	794.4	796.7	800.1	808.2	820.1
27.5°	884.7	886.4	862.3	823.8	806.9	810.3	813.6	811.3	815.0	825.1
30°	936.1	937.1	906.6	855.6	831.6	833.3	833.9	824.1	817.0	825.1
32.5°	996.9	996.6	960.4	894.1	859.6	857.9	852.2	832.9	816.4	823.5
35°	1091.3	1087.6	1040.9	948.2	891.4	880.9	867.4	842.7	819.7	821.8
37.5°	1247.5	1236.0	1171.4	1036.8	938.8	912.1	892.1	858.6	827.2	821.1
40°	1423.7	1409.2	1338.2	1158.2	1009.8	966.8	934.7	881.3	839.3	824.1
42.5°	1632.7	1612.1	1535.7	1301.3	1099.7	1037.5	989.2	910.0	857.3	833.9
45°	1889.4	1862.0	1753.8	1462.6	1213.0	1130.2	1065.6	953.7	884.7	852.9
47.5°	2148.8	2155.5	2001.7	1647.2	1349.0	1244.5	1161.3	1019.3	924.6	883.3
50°	2424.4	2429.1	2248.2	1851.8	1503.2	1373.7	1268.8	1092.6	980.0	926.6
52.5°	2639.5	2640.1	2472.1	2065.9	1663.8	1515.7	1384.8	1176.5	1044.3	984.1
55°	2774.0	2772.4	2629.0	2268.5	1848.5	1664.8	1513.3	1271.9	1122.7	1051.7
57.5°	2871.8	2866.7	2737.2	2442.6	2045.3	1841.0	1658.7	1380.1	1215.4	1132.2
60°	2909.0	2905.9	2810.6	2593.1	2252.2	2035.8	1826.5	1501.2	1320.6	1227.2
62.5°	2923.2	2928.9	2882.6	2738.9	2473.7	2251.6	2010.8	1645.9	1438.9	1334.8
65°	2973.2	2983.7	2974.2	2929.6	2724.0	2504.2	2255.3	1818.0	1568.1	1450.1
67.5°	3072.3	3082.8	3086.9	3157.9	3029.7	2819.0	2560.3	2032.4	1719.3	1569.8
70°	3069.9	3066.9	3138.6	3339.5	3412.5	3254.9	2971.5	2296.2	1899.5	1669.2
72.5°	2794.3	2770.0	2939.4	3337.4	3731.1	3710.1	3473.7	2636.4	2055.1	1681.4
75°	2096.3	2031.4	2330.7	3007.7	3784.2	3968.5	3793.0	2847.4	2018.2	1485.6
77.5°	896.5	831.2	1183.9	2226.5	3386.8	3709.8	3500.1	2484.2	1611.1	982.4
80°	234.7	234.4	357.8	1009.5	2303.3	2739.6	2403.4	1604.3	920.5	351.0
82.5°	97.1	94.7	131.5	392.6	1125.4	1537.3	1254.6	715.6	332.4	95.0
85°	36.2	35.8	63.9	135.6	397.0	634.1	458.9	183.0	82.9	46.3
87.5°	10.1	9.8	13.9	47.0	96.7	146.8	78.5	30.1	23.3	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846143  
 CATALOG NUMBER: GLAN-SB1C-850-U-SL4

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
729.1	0°	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1	729.1
730.5	2.5°	731.5	733.2	736.2	738.6	741.6	745.0	749.7	752.8	755.8	757.8
732.1	5°	734.5	738.2	746.0	753.8	762.9	771.4	781.2	788.3	794.0	795.7
738.2	7.5°	741.3	747.4	760.6	773.7	788.3	802.1	816.4	828.5	838.3	842.1
749.1	10°	753.1	761.2	779.8	798.4	817.7	839.0	857.3	874.9	888.7	894.5
761.9	12.5°	768.0	778.1	802.5	828.2	854.9	884.3	908.0	929.6	946.9	954.7
779.8	15°	787.3	800.5	831.6	866.1	905.3	946.2	976.3	1000.3	1019.6	1029.1
798.4	17.5°	808.2	825.8	865.1	917.1	973.3	1027.0	1062.2	1079.8	1099.7	1108.9
815.7	20°	828.5	850.2	906.3	982.1	1056.8	1113.9	1142.4	1147.1	1148.4	1149.5
831.9	22.5°	849.5	878.6	958.0	1063.9	1144.0	1183.6	1187.7	1167.4	1139.0	1125.8
847.8	25°	872.5	911.0	1025.7	1154.2	1219.1	1223.9	1192.7	1143.4	1089.6	1064.9
860.7	27.5°	894.8	948.6	1106.8	1240.4	1273.2	1231.6	1164.7	1094.7	1029.7	1003.7
869.8	30°	917.1	991.5	1196.5	1315.8	1297.9	1212.4	1120.4	1042.3	977.0	949.6
877.9	32.5°	939.8	1041.6	1299.6	1370.3	1293.5	1171.4	1065.2	983.4	925.9	897.2
885.0	35°	965.5	1103.1	1397.3	1400.0	1264.1	1111.2	992.5	913.1	863.0	840.0
893.5	37.5°	999.0	1181.2	1483.6	1407.5	1212.7	1023.0	902.2	829.9	788.6	778.1
906.0	40°	1040.6	1275.3	1549.5	1395.6	1136.6	915.8	803.5	745.7	722.3	724.7
922.9	42.5°	1094.7	1380.4	1595.8	1365.2	1030.8	805.2	716.9	691.2	702.4	711.9
948.2	45°	1165.0	1489.7	1624.6	1313.5	911.0	711.5	665.9	672.0	680.4	681.4
989.2	47.5°	1255.0	1600.2	1643.5	1235.4	789.0	645.6	633.4	634.8	633.1	626.0
1050.4	50°	1367.2	1707.8	1660.4	1131.9	685.1	604.3	588.1	583.4	560.0	537.0
1131.9	52.5°	1495.1	1806.5	1667.5	1003.4	604.3	569.8	543.4	513.7	470.1	463.0
1234.3	55°	1637.1	1897.8	1649.3	845.4	536.3	525.5	485.6	449.8	445.0	439.0
1369.3	57.5°	1806.9	1996.2	1612.1	669.2	466.7	473.8	434.9	439.0	430.5	421.0
1542.8	60°	1992.5	2098.0	1546.8	508.6	394.6	409.2	421.7	421.4	419.0	411.2
1725.7	62.5°	2159.6	2165.0	1418.3	389.6	331.4	359.1	393.3	393.0	390.9	386.5
1916.8	65°	2259.0	2154.8	1203.9	306.7	279.3	317.9	354.7	357.5	357.8	357.5
2060.5	67.5°	2241.4	2036.1	909.7	244.2	236.4	276.0	316.5	320.3	323.0	323.6
2078.8	70°	2042.6	1775.4	593.2	194.8	198.2	239.1	280.3	284.1	286.4	289.1
1803.8	72.5°	1592.1	1305.4	339.5	157.6	164.7	207.3	244.5	248.9	250.2	255.3
1255.3	75°	970.2	767.7	183.3	124.1	135.3	177.2	209.0	214.1	216.4	222.5
616.5	77.5°	461.3	332.4	104.5	96.7	108.9	144.7	176.5	182.3	175.9	179.2
170.1	80°	155.9	123.4	65.9	73.7	83.2	113.0	141.4	147.1	133.6	132.9
56.5	82.5°	54.4	50.0	41.9	49.0	53.8	80.8	106.9	114.3	99.4	99.1
25.4	85°	21.3	20.3	23.3	26.7	32.1	49.7	70.3	74.1	61.2	49.4
7.4	87.5°	4.4	4.7	5.7	6.1	9.8	17.2	25.4	31.1	24.7	21.0
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/>
729.1
756.5
796.4
842.4
894.8
954.7
1028.4
1108.5
1152.2
1129.5
1068.6
1006.7
952.6
900.9
845.1
785.6
732.8
720.6
688.2
631.4
540.1
465.3
440.0
419.3
408.5
384.8
357.5
324.3
290.5
257.4
223.2
176.5
131.5
94.4
48.7
19.3
0.0

F REPORT)