

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: P846563

Luminaire Tested: **GLAN-SB2B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846563
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-SB2B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10783 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

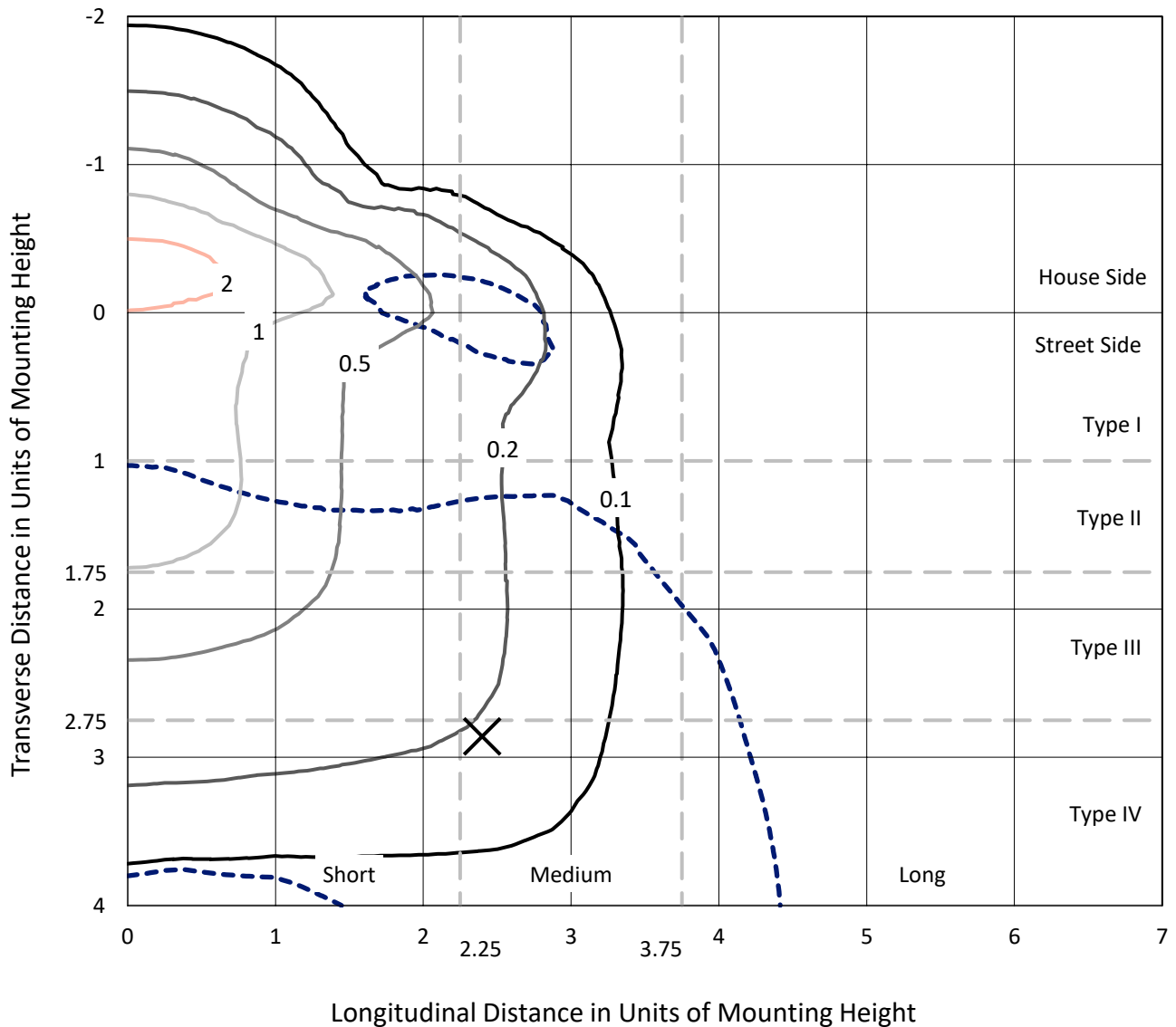
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846563
 CATALOG NUMBER: GLAN-SB2B-730-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

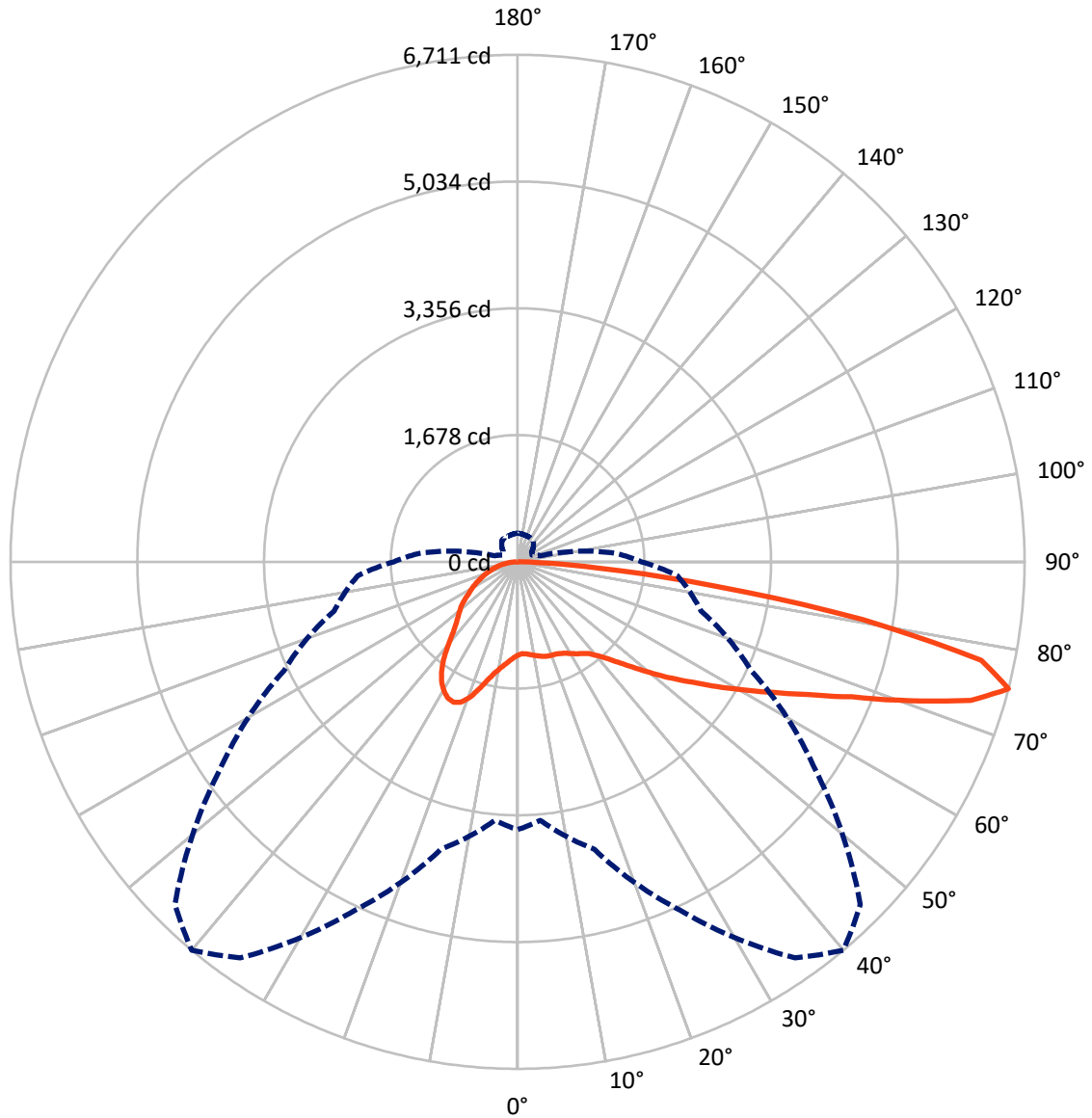
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P846563
CATALOG NUMBER: GLAN-SB2B-730-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846563
 CATALOG NUMBER: GLAN-SB2B-730-U-SL4

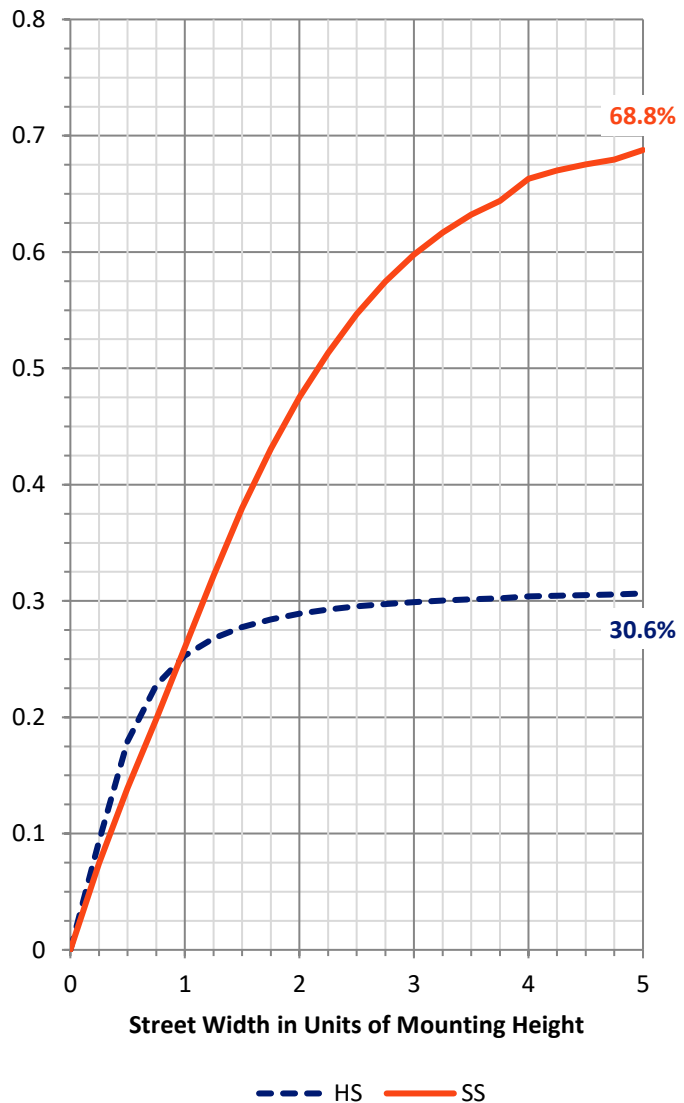
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3340.9	0.0	3340.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	7442.1	0.0	7442.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	10783.0	0.0	10783.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	1.1
10°-20°	413.2	3.8
20°-30°	754.5	7.0
30°-40°	1070.2	9.9
40°-50°	1445.0	13.4
50°-60°	1944.0	18.0
60°-70°	2467.3	22.9
70°-80°	2239.2	20.8
80°-90°	326.4	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°	10783.0	100.0
0°-180°	10783.0	100.0

Coefficient of Utilization

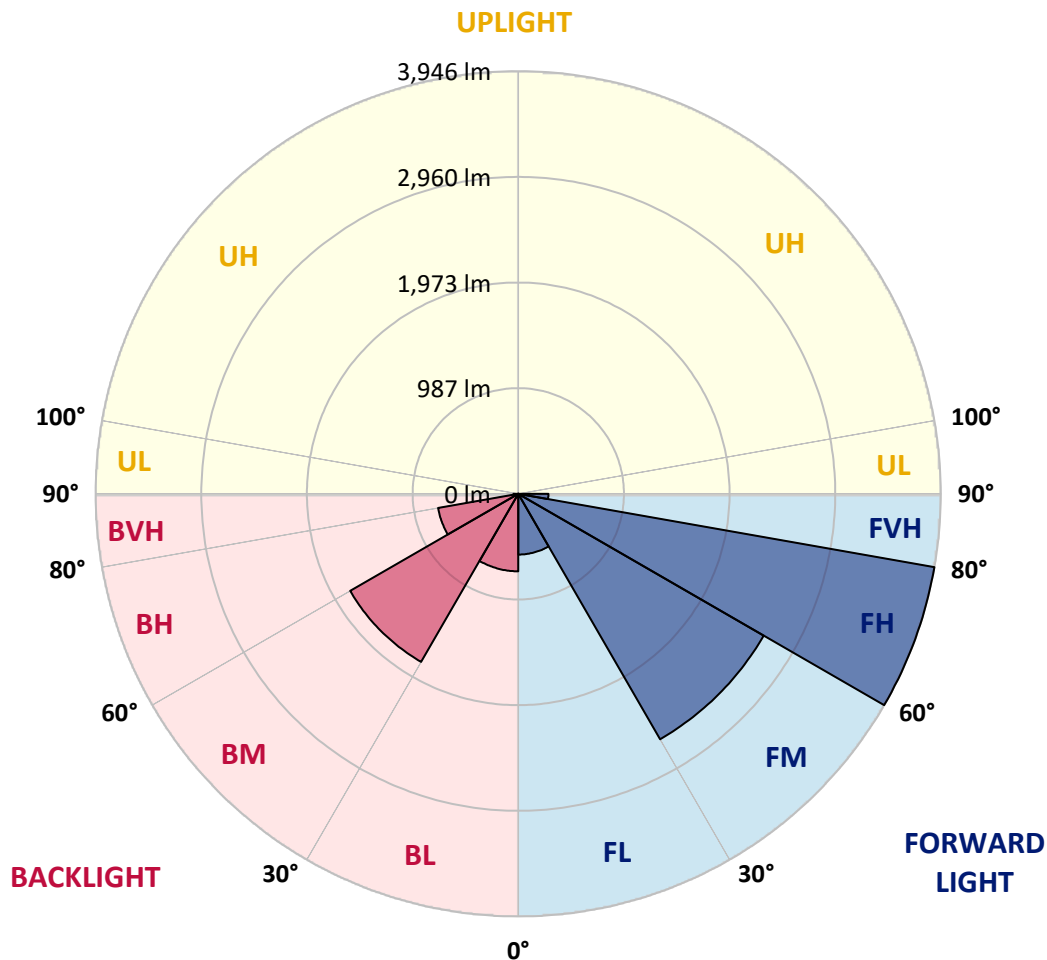


REPORT NUMBER: P846563
 CATALOG NUMBER: GLAN-SB2B-730-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	567.2	5.3			
FM (30°-60°)	2647.0	24.5			
FH (60°-80°)	3946.4	36.6			G2/5000
FVH (80°-90°)	281.5	2.6			G3/500
BL (0°-30°)	723.7	6.7	B2/1000		
BM (30°-60°)	1812.2	16.8	B2/2500		
BH (60°-80°)	760.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	44.9	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-G3
 Type IV Medium



REPORT NUMBER: P846563
 CATALOG NUMBER: GLAN-SB2B-730-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1
2.5°	1214.2	1221.0	1219.3	1217.0	1217.0	1217.0	1217.0	1221.0	1225.0	1229.0
5°	1226.8	1233.6	1230.2	1227.3	1225.0	1224.5	1222.8	1222.2	1224.5	1229.6
7.5°	1251.4	1258.2	1253.1	1247.9	1243.3	1241.1	1238.8	1235.3	1233.6	1236.5
10°	1278.8	1285.7	1279.4	1270.2	1262.8	1259.9	1257.6	1254.2	1251.9	1253.6
12.5°	1306.3	1313.1	1304.5	1292.0	1282.2	1280.5	1277.7	1276.5	1275.9	1275.4
15°	1332.0	1337.7	1326.8	1312.0	1301.7	1298.8	1296.0	1297.7	1300.5	1304.0
17.5°	1352.0	1357.7	1341.7	1322.3	1312.5	1311.4	1309.7	1315.4	1323.4	1332.0
20°	1370.3	1376.0	1355.4	1329.1	1317.7	1317.7	1318.3	1330.3	1341.7	1354.3
22.5°	1396.0	1400.6	1375.5	1339.4	1322.8	1324.0	1328.6	1340.6	1354.9	1372.0
25°	1434.4	1437.8	1406.9	1358.9	1340.0	1343.4	1347.4	1353.2	1366.9	1386.9
27.5°	1496.1	1499.0	1458.4	1393.2	1364.6	1370.3	1376.0	1372.0	1378.3	1395.5
30°	1583.1	1584.8	1533.3	1446.9	1406.3	1409.2	1410.3	1393.8	1381.7	1395.5
32.5°	1686.0	1685.4	1624.2	1512.1	1453.8	1451.0	1441.2	1408.6	1380.6	1392.6
35°	1845.6	1839.3	1760.4	1603.7	1507.6	1489.8	1467.0	1425.2	1386.3	1389.8
37.5°	2109.8	2090.4	1981.1	1753.5	1587.6	1542.5	1508.7	1452.1	1398.9	1388.6
40°	2407.8	2383.2	2263.1	1958.8	1707.7	1635.1	1580.8	1490.4	1419.5	1393.8
42.5°	2761.2	2726.3	2597.1	2200.7	1859.9	1754.6	1672.9	1539.0	1449.8	1410.3
45°	3195.3	3149.0	2966.0	2473.5	2051.5	1911.3	1802.1	1612.8	1496.1	1442.4
47.5°	3634.0	3645.4	3385.2	2785.8	2281.4	2104.7	1964.0	1723.8	1563.6	1493.8
50°	4100.1	4108.1	3802.1	3131.8	2542.2	2323.1	2145.8	1847.9	1657.4	1567.0
52.5°	4463.8	4464.9	4180.7	3493.8	2813.8	2563.3	2342.0	1989.7	1766.1	1664.3
55°	4691.4	4688.6	4446.1	3836.4	3126.1	2815.5	2559.3	2151.0	1898.8	1778.7
57.5°	4856.7	4848.1	4629.1	4130.9	3458.9	3113.5	2805.2	2334.0	2055.5	1914.8
60°	4919.6	4914.5	4753.2	4385.5	3809.0	3442.9	3088.9	2538.7	2233.3	2075.5
62.5°	4943.6	4953.4	4875.0	4631.9	4183.6	3807.8	3400.6	2783.5	2433.5	2257.4
65°	5028.3	5046.0	5030.0	4954.5	4606.8	4235.0	3814.1	3074.6	2652.0	2452.4
67.5°	5195.9	5213.6	5220.4	5340.5	5123.8	4767.5	4330.0	3437.2	2907.6	2654.8
70°	5191.9	5186.7	5308.0	5647.7	5771.2	5504.7	5025.4	3883.3	3212.5	2823.0
72.5°	4725.7	4684.6	4971.1	5644.2	6309.9	6274.5	5874.7	4458.7	3475.5	2843.6
75°	3545.3	3435.5	3941.6	5086.6	6399.7	6711.4	6414.6	4815.5	3413.2	2512.4
77.5°	1516.1	1405.8	2002.3	3765.5	5727.7	6273.9	5919.3	4201.3	2724.6	1661.4
80°	396.9	396.3	605.1	1707.2	3895.3	4633.1	4064.6	2713.2	1556.8	593.6
82.5°	164.1	160.1	222.5	664.0	1903.3	2599.9	2121.8	1210.2	562.2	160.7
85°	61.2	60.6	108.1	229.3	671.4	1072.3	776.1	309.4	140.1	78.4
87.5°	17.2	16.6	23.4	79.5	163.6	248.2	132.7	50.9	39.5	30.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846563
 CATALOG NUMBER: GLAN-SB2B-730-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1233.1	0°	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1	1233.1
1235.3	2.5°	1237.1	1239.9	1245.1	1249.1	1254.2	1259.9	1267.9	1273.1	1278.2	1281.7
1238.2	5°	1242.2	1248.5	1261.6	1274.8	1290.2	1304.5	1321.1	1333.1	1342.9	1345.7
1248.5	7.5°	1253.6	1263.9	1286.2	1308.5	1333.1	1356.6	1380.6	1401.2	1417.8	1424.1
1266.8	10°	1273.7	1287.4	1318.8	1350.3	1382.9	1418.9	1449.8	1479.5	1503.0	1512.7
1288.5	12.5°	1298.8	1316.0	1357.2	1400.6	1445.8	1495.6	1535.6	1572.2	1601.4	1614.5
1318.8	15°	1331.4	1353.7	1406.3	1464.7	1531.0	1600.2	1651.1	1691.7	1724.3	1740.3
1350.3	17.5°	1366.9	1396.6	1463.0	1551.0	1646.0	1736.9	1796.4	1826.1	1859.9	1875.3
1379.5	20°	1401.2	1437.8	1532.7	1660.8	1787.2	1883.9	1931.9	1939.9	1942.2	1943.9
1406.9	22.5°	1436.7	1485.8	1620.2	1799.2	1934.8	2001.7	2008.6	1974.3	1926.2	1903.9
1433.8	25°	1475.5	1540.7	1734.6	1951.9	2061.8	2069.8	2017.1	1933.6	1842.7	1801.0
1455.5	27.5°	1513.3	1604.2	1871.9	2097.8	2153.3	2082.9	1969.7	1851.3	1741.5	1697.4
1471.0	30°	1551.0	1676.9	2023.4	2225.3	2195.0	2050.3	1894.8	1762.6	1652.3	1605.9
1484.7	32.5°	1589.4	1761.5	2197.9	2317.4	2187.6	1981.1	1801.5	1663.1	1565.9	1517.3
1496.7	35°	1632.8	1865.6	2363.2	2367.7	2137.8	1879.3	1678.6	1544.2	1459.5	1420.6
1511.0	37.5°	1689.4	1997.7	2509.0	2380.3	2050.9	1730.0	1525.9	1403.5	1333.7	1316.0
1532.2	40°	1759.8	2156.7	2620.5	2360.3	1922.2	1548.7	1358.9	1261.1	1221.6	1225.6
1560.8	42.5°	1851.3	2334.6	2698.9	2308.8	1743.2	1361.7	1212.5	1169.0	1187.9	1203.9
1603.7	45°	1970.2	2519.3	2747.5	2221.3	1540.7	1203.3	1126.1	1136.4	1150.7	1152.4
1672.9	47.5°	2122.4	2706.3	2779.5	2089.2	1334.3	1091.8	1071.2	1073.5	1070.6	1058.6
1776.4	50°	2312.3	2888.2	2808.1	1914.2	1158.7	1022.0	994.6	986.6	947.1	908.2
1914.2	52.5°	2528.4	3055.2	2820.1	1696.9	1022.0	963.7	919.1	868.7	795.0	783.0
2087.5	55°	2768.6	3209.6	2789.2	1429.8	907.1	888.8	821.3	760.6	752.6	742.3
2315.7	57.5°	3055.7	3376.0	2726.3	1131.8	789.2	801.3	735.5	742.3	728.0	712.0
2609.1	60°	3369.7	3548.2	2615.9	860.2	667.4	692.0	713.2	712.6	708.6	695.4
2918.5	62.5°	3652.3	3661.4	2398.6	658.8	560.5	607.4	665.1	664.6	661.1	653.7
3241.6	65°	3820.4	3644.2	2036.0	518.7	472.4	537.6	599.9	604.5	605.1	604.5
3484.7	67.5°	3790.7	3443.5	1538.5	412.9	399.8	466.7	535.3	541.6	546.2	547.3
3515.6	70°	3454.4	3002.6	1003.1	329.4	335.1	404.3	474.1	480.4	484.4	489.0
3050.6	72.5°	2692.6	2207.6	574.2	266.5	278.5	350.6	413.5	420.9	423.2	431.8
2123.0	75°	1640.8	1298.2	310.0	209.9	228.8	299.7	353.4	362.0	366.0	376.3
1042.6	77.5°	780.1	562.2	176.7	163.6	184.2	244.8	298.5	308.3	297.4	303.1
287.7	80°	263.7	208.7	111.5	124.7	140.7	191.0	239.1	248.8	225.9	224.8
95.5	82.5°	92.1	84.6	70.9	82.9	90.9	136.7	180.7	193.3	168.1	167.6
42.9	85°	36.0	34.3	39.5	45.2	54.3	84.1	119.0	125.2	103.5	83.5
12.6	87.5°	7.4	8.0	9.7	10.3	16.6	29.2	42.9	52.6	41.7	35.5
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°
1233.1
1279.4
1346.9
1424.6
1513.3
1614.5
1739.2
1874.7
1948.5
1910.2
1807.3
1702.6
1611.1
1523.6
1429.2
1328.6
1239.3
1218.8
1163.8
1067.8
913.3
787.0
744.1
709.2
690.9
650.8
604.5
548.5
491.3
435.2
377.5
298.5
222.5
159.6
82.4
32.6
0.0

F REPORT)