

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: P846823

Luminaire Tested: **GLAN-SB2C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846823
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-SB2C-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12747 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

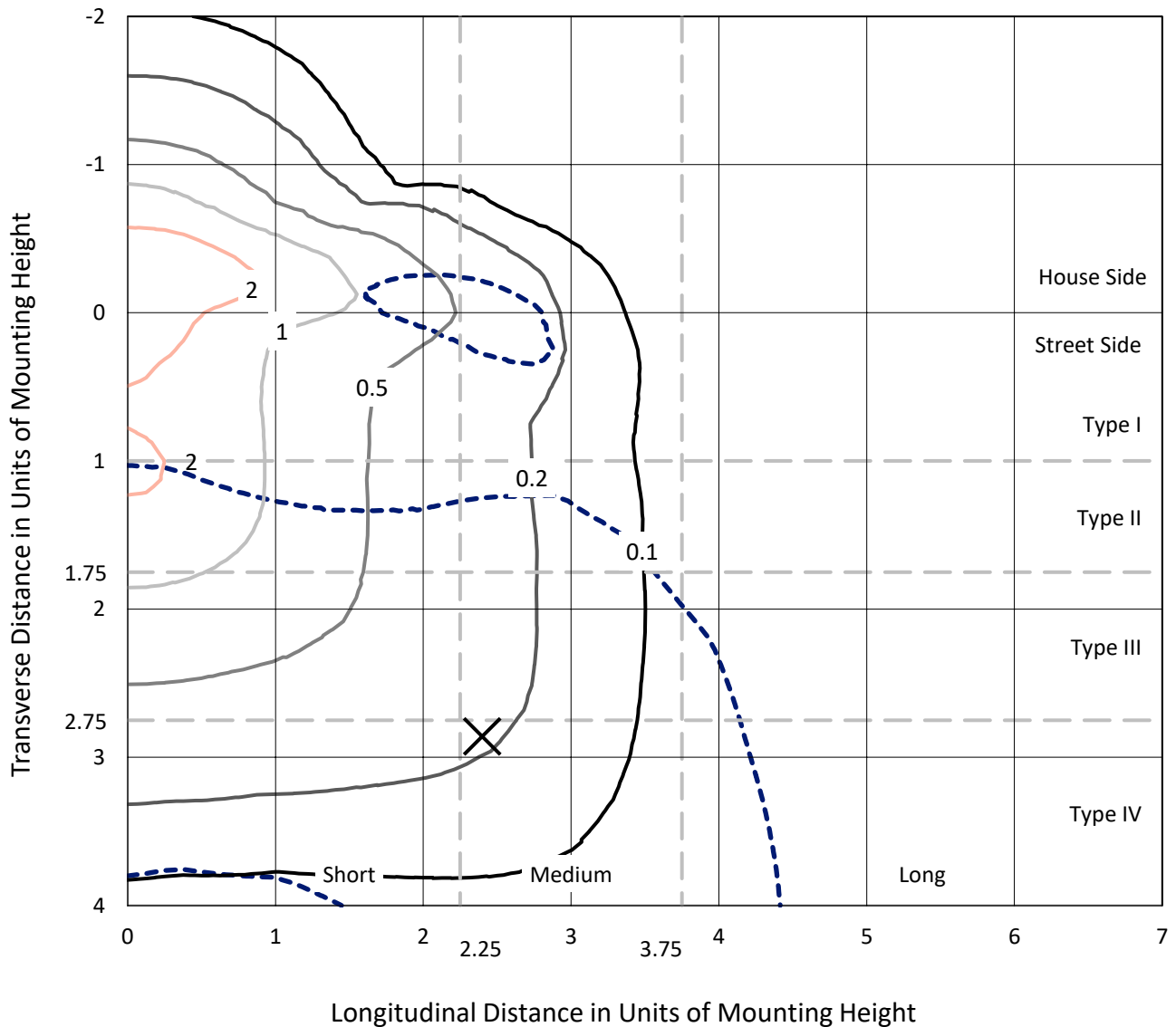
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846823
 CATALOG NUMBER: GLAN-SB2C-850-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

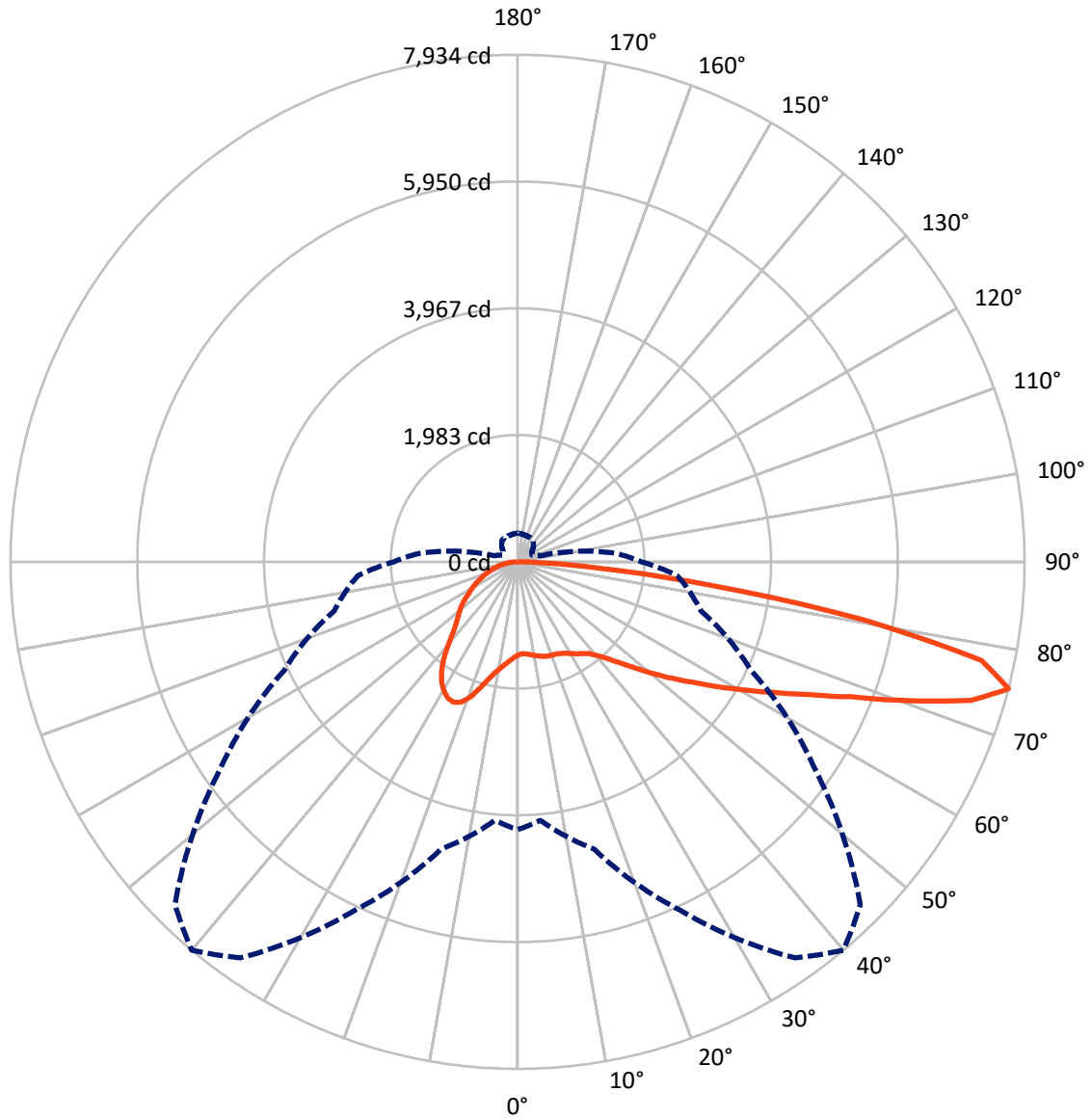
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Medium - N/A

REPORT NUMBER: P846823
CATALOG NUMBER: GLAN-SB2C-850-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P846823
 CATALOG NUMBER: GLAN-SB2C-850-U-SL4

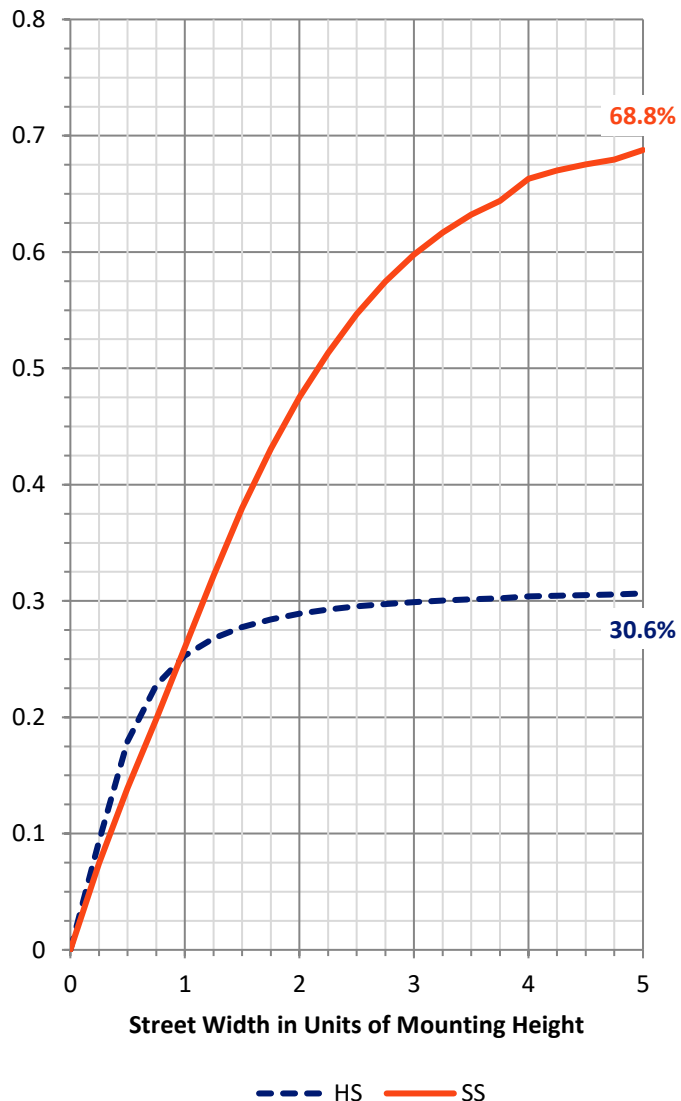
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3949.5	0.0	3949.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	8797.6	0.0	8797.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	12747.0	0.0	12747.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	1.1
10°-20°	488.5	3.8
20°-30°	892.0	7.0
30°-40°	1265.1	9.9
40°-50°	1708.2	13.4
50°-60°	2298.0	18.0
60°-70°	2916.7	22.9
70°-80°	2647.1	20.8
80°-90°	385.9	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°	12747.0	100.0
0°-180°	12747.0	100.0

Coefficient of Utilization

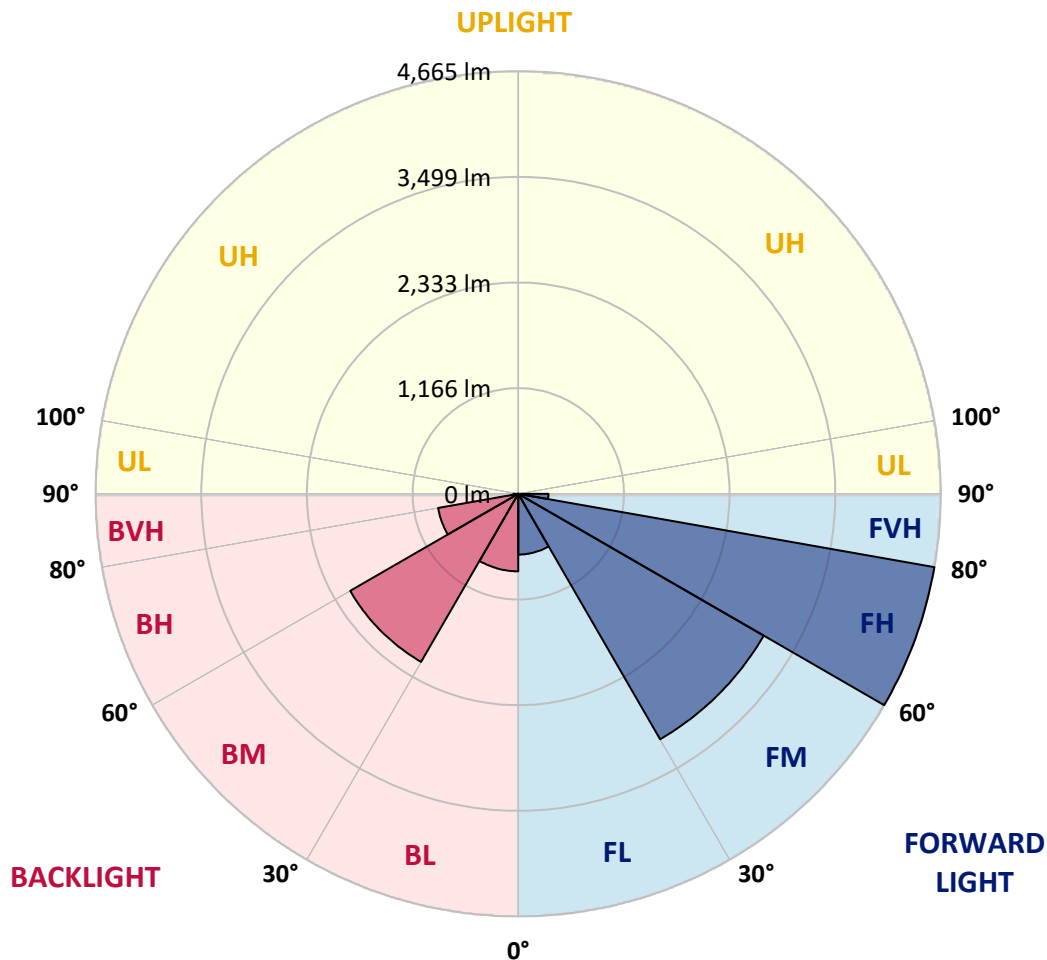


REPORT NUMBER: P846823
 CATALOG NUMBER: GLAN-SB2C-850-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	670.5	5.3			
FM (30°-60°)	3129.1	24.5			
FH (60°-80°)	4665.2	36.6			G2/5000
FVH (80°-90°)	332.7	2.6			G3/500
BL (0°-30°)	855.5	6.7	B2/1000		
BM (30°-60°)	2142.2	16.8	B2/2500		
BH (60°-80°)	898.6	7.0	B2/1000		G2/1000
BVH (80°-90°)	53.1	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: P846823
 CATALOG NUMBER: GLAN-SB2C-850-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6
2.5°	1435.3	1443.4	1441.4	1438.7	1438.7	1439.4	1438.7	1443.4	1448.2	1452.9
5°	1450.2	1458.3	1454.3	1450.9	1448.2	1447.5	1445.5	1444.8	1447.5	1453.6
7.5°	1479.3	1487.4	1481.3	1475.2	1469.8	1467.1	1464.4	1460.3	1458.3	1461.7
10°	1511.7	1519.8	1512.4	1501.6	1492.8	1489.4	1486.7	1482.7	1479.9	1482.0
12.5°	1544.2	1552.3	1542.1	1527.3	1515.8	1513.8	1510.4	1509.0	1508.3	1507.7
15°	1574.6	1581.4	1568.5	1550.9	1538.8	1535.4	1532.0	1534.0	1537.4	1541.5
17.5°	1598.3	1605.0	1586.1	1563.1	1551.6	1550.3	1548.2	1555.0	1564.5	1574.6
20°	1619.9	1626.7	1602.3	1571.2	1557.7	1557.7	1558.4	1572.6	1586.1	1601.0
22.5°	1650.3	1655.7	1626.0	1583.4	1563.8	1565.1	1570.5	1584.7	1601.6	1621.9
25°	1695.6	1699.7	1663.2	1606.4	1584.1	1588.1	1592.9	1599.6	1615.8	1639.5
27.5°	1768.6	1772.0	1724.0	1646.9	1613.1	1619.9	1626.7	1621.9	1629.4	1649.6
30°	1871.4	1873.4	1812.6	1710.5	1662.5	1665.9	1667.2	1647.6	1633.4	1649.6
32.5°	1993.1	1992.4	1920.1	1787.6	1718.6	1715.2	1703.7	1665.2	1632.1	1646.3
35°	2181.7	2174.3	2081.0	1895.7	1782.2	1761.2	1734.2	1684.8	1638.8	1642.9
37.5°	2494.1	2471.1	2342.0	2072.9	1876.8	1823.4	1783.5	1716.6	1653.7	1641.5
40°	2846.3	2817.2	2675.3	2315.6	2018.8	1932.9	1868.7	1761.9	1678.0	1647.6
42.5°	3264.1	3222.9	3070.1	2601.6	2198.6	2074.2	1977.5	1819.3	1713.9	1667.2
45°	3777.3	3722.5	3506.2	2924.1	2425.1	2259.5	2130.3	1906.6	1768.6	1705.1
47.5°	4295.8	4309.4	4001.7	3293.2	2696.9	2488.0	2321.7	2037.7	1848.4	1765.9
50°	4846.8	4856.3	4494.6	3702.2	3005.2	2746.3	2536.7	2184.4	1959.3	1852.5
52.5°	5276.8	5278.2	4942.2	4130.2	3326.3	3030.2	2768.6	2352.1	2087.7	1967.4
55°	5545.9	5542.5	5255.9	4535.2	3695.5	3328.4	3025.5	2542.8	2244.6	2102.6
57.5°	5741.3	5731.2	5472.2	4883.4	4089.0	3680.6	3316.2	2759.1	2429.8	2263.5
60°	5815.7	5809.6	5618.9	5184.2	4502.7	4070.0	3651.5	3001.1	2640.1	2453.5
62.5°	5844.1	5855.6	5762.9	5475.6	4945.6	4501.4	4020.0	3290.5	2876.7	2668.5
65°	5944.1	5965.1	5946.2	5856.9	5445.9	5006.4	4508.8	3634.6	3135.0	2899.0
67.5°	6142.2	6163.2	6171.3	6313.3	6057.0	5635.8	5118.6	4063.3	3437.2	3138.4
70°	6137.5	6131.4	6274.7	6676.3	6822.4	6507.3	5940.7	4590.6	3797.6	3337.1
72.5°	5586.5	5537.8	5876.5	6672.3	7459.2	7417.3	6944.7	5270.7	4108.6	3361.5
75°	4191.0	4061.2	4659.6	6013.1	7565.4	7933.8	7583.0	5692.6	4034.9	2970.0
77.5°	1792.3	1661.8	2367.0	4451.3	6771.0	7416.6	6997.5	4966.5	3220.9	1964.0
80°	469.2	468.5	715.3	2018.1	4604.8	5477.0	4804.9	3207.3	1840.3	701.8
82.5°	194.0	189.3	263.0	784.9	2250.0	3073.5	2508.3	1430.6	664.6	190.0
85°	72.3	71.7	127.8	271.1	793.7	1267.7	917.4	365.8	165.6	92.6
87.5°	20.3	19.6	27.7	94.0	193.4	293.4	156.9	60.2	46.6	36.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846823
 CATALOG NUMBER: GLAN-SB2C-850-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1457.6	0°	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6	1457.6
1460.3	2.5°	1462.4	1465.7	1471.8	1476.6	1482.7	1489.4	1498.9	1505.0	1511.0	1515.1
1463.7	5°	1468.5	1475.9	1491.4	1507.0	1525.2	1542.1	1561.8	1576.0	1587.4	1590.8
1475.9	7.5°	1482.0	1494.1	1520.5	1546.9	1576.0	1603.7	1632.1	1656.4	1676.0	1683.4
1497.5	10°	1505.6	1521.9	1559.0	1596.2	1634.8	1677.4	1713.9	1749.0	1776.7	1788.2
1523.2	12.5°	1535.4	1555.7	1604.3	1655.7	1709.1	1768.0	1815.3	1858.6	1893.0	1908.6
1559.0	15°	1573.9	1600.3	1662.5	1731.5	1809.9	1891.7	1951.9	1999.9	2038.4	2057.3
1596.2	17.5°	1615.8	1651.0	1729.4	1833.5	1945.8	2053.3	2123.6	2158.7	2198.6	2216.9
1630.7	20°	1656.4	1699.7	1811.9	1963.3	2112.8	2227.0	2283.8	2293.3	2296.0	2298.0
1663.2	22.5°	1698.3	1756.5	1915.3	2127.0	2287.2	2366.3	2374.4	2333.8	2277.0	2250.7
1694.9	25°	1744.3	1821.4	2050.6	2307.5	2437.3	2446.7	2384.5	2285.8	2178.3	2129.0
1720.6	27.5°	1788.9	1896.4	2212.8	2479.9	2545.5	2462.3	2328.4	2188.5	2058.7	2006.6
1738.9	30°	1833.5	1982.3	2392.0	2630.6	2594.8	2423.8	2239.9	2083.7	1953.2	1898.4
1755.1	32.5°	1878.8	2082.3	2598.2	2739.5	2586.0	2342.0	2129.7	1966.1	1851.1	1793.7
1769.3	35°	1930.2	2205.4	2793.6	2799.0	2527.2	2221.6	1984.3	1825.4	1725.4	1679.4
1786.2	37.5°	1997.2	2361.6	2966.0	2813.9	2424.4	2045.2	1803.8	1659.1	1576.6	1555.7
1811.2	40°	2080.3	2549.5	3097.8	2790.2	2272.3	1830.8	1606.4	1490.8	1444.1	1448.8
1845.0	42.5°	2188.5	2759.8	3190.4	2729.3	2060.7	1609.8	1433.3	1381.9	1404.2	1423.2
1895.7	45°	2329.1	2978.1	3247.9	2625.9	1821.4	1422.5	1331.2	1343.4	1360.3	1362.3
1977.5	47.5°	2508.9	3199.2	3285.8	2469.7	1577.3	1290.6	1266.3	1269.0	1265.6	1251.4
2099.9	50°	2733.4	3414.2	3319.6	2262.9	1369.7	1208.2	1175.7	1166.2	1119.6	1073.6
2262.9	52.5°	2989.0	3611.6	3333.8	2005.9	1208.2	1139.2	1086.5	1027.0	939.8	925.6
2467.7	55°	3272.9	3794.2	3297.3	1690.2	1072.3	1050.6	970.9	899.2	889.7	877.6
2737.5	57.5°	3612.3	3990.9	3222.9	1338.0	933.0	947.2	869.4	877.6	860.7	841.7
3084.3	60°	3983.5	4194.4	3092.4	1016.8	789.0	818.1	843.1	842.4	837.7	822.1
3450.1	62.5°	4317.5	4328.3	2835.5	778.8	662.6	718.0	786.3	785.6	781.6	772.8
3832.0	65°	4516.2	4308.0	2406.9	613.2	558.4	635.5	709.2	714.6	715.3	714.6
4119.4	67.5°	4481.1	4070.7	1818.7	488.1	472.6	551.7	632.8	640.3	645.7	647.0
4155.9	70°	4083.5	3549.4	1185.9	389.4	396.2	478.0	560.5	567.9	572.6	578.1
3606.2	72.5°	3183.0	2609.7	678.8	315.1	329.3	414.4	488.8	497.6	500.3	510.4
2509.6	75°	1939.7	1534.7	366.4	248.1	270.4	354.3	417.8	428.0	432.7	444.9
1232.5	77.5°	922.2	664.6	208.9	193.4	217.7	289.4	352.9	364.4	351.6	358.3
340.1	80°	311.7	246.8	131.8	147.4	166.3	225.8	282.6	294.1	267.1	265.7
112.9	82.5°	108.8	100.1	83.8	98.0	107.5	161.6	213.6	228.5	198.8	198.1
50.7	85°	42.6	40.6	46.6	53.4	64.2	99.4	140.6	148.1	122.4	98.7
14.9	87.5°	8.8	9.5	11.5	12.2	19.6	34.5	50.7	62.2	49.4	41.9
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°
1457.6
1512.4
1592.2
1684.1
1788.9
1908.6
2056.0
2216.2
2303.4
2258.1
2136.4
2012.7
1904.5
1801.1
1689.5
1570.5
1465.1
1440.7
1375.8
1262.2
1079.7
930.3
879.6
838.3
816.7
769.4
714.6
648.4
580.8
514.5
446.2
352.9
263.0
188.6
97.4
38.5
0.0

F REPORT)