

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: P845808

Luminaire Tested: **GLAN-SB1A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3856 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

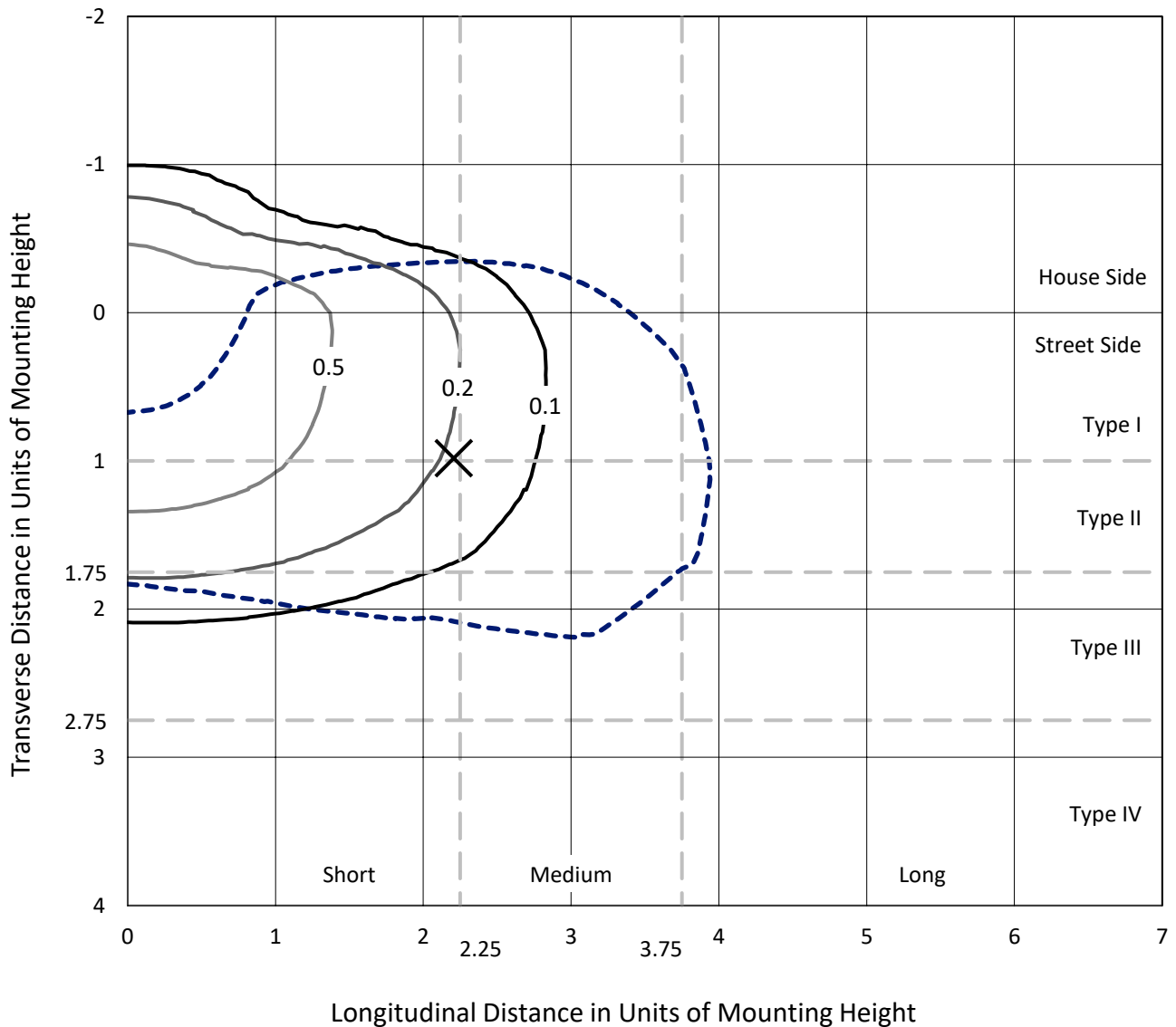
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

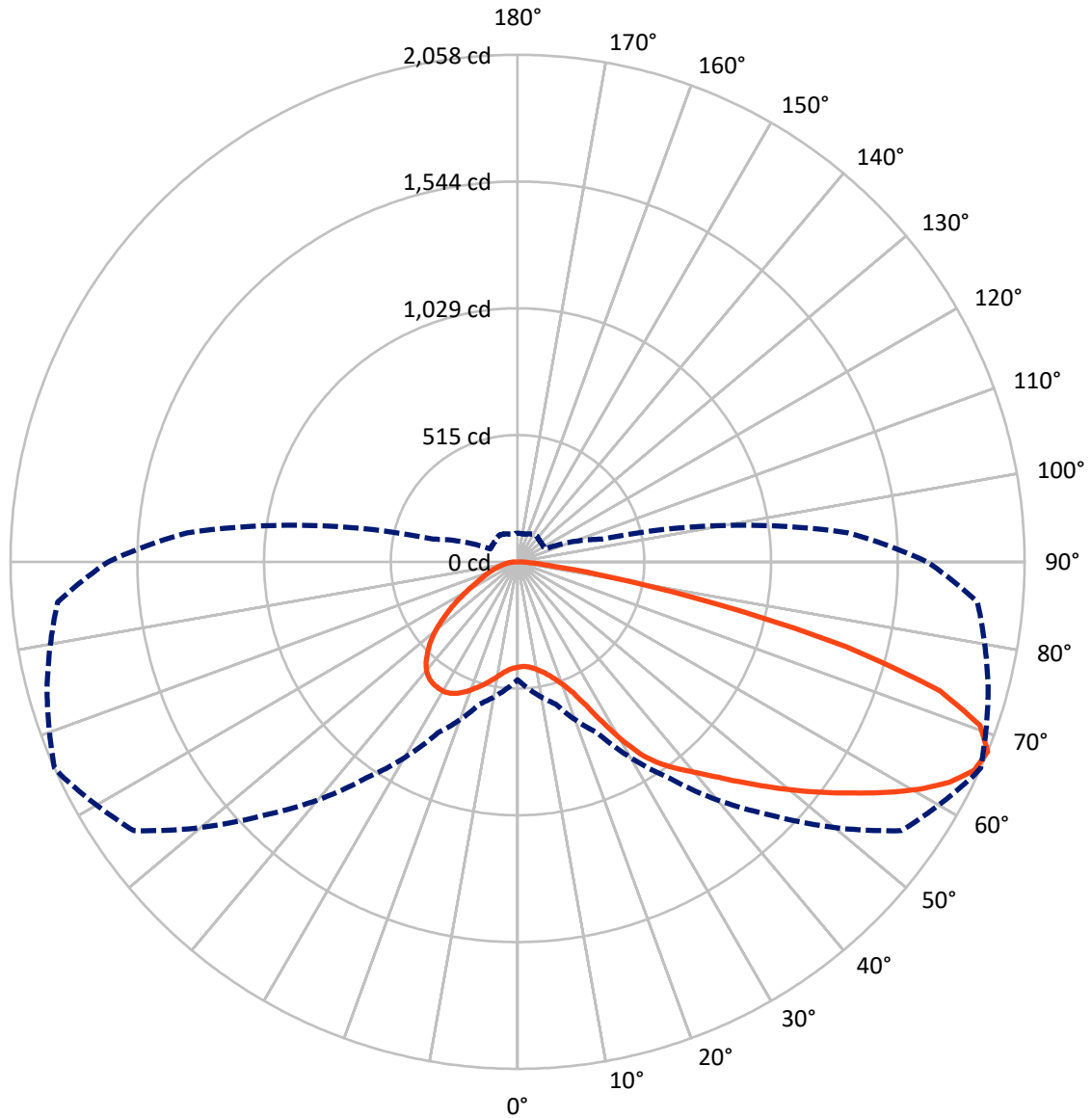
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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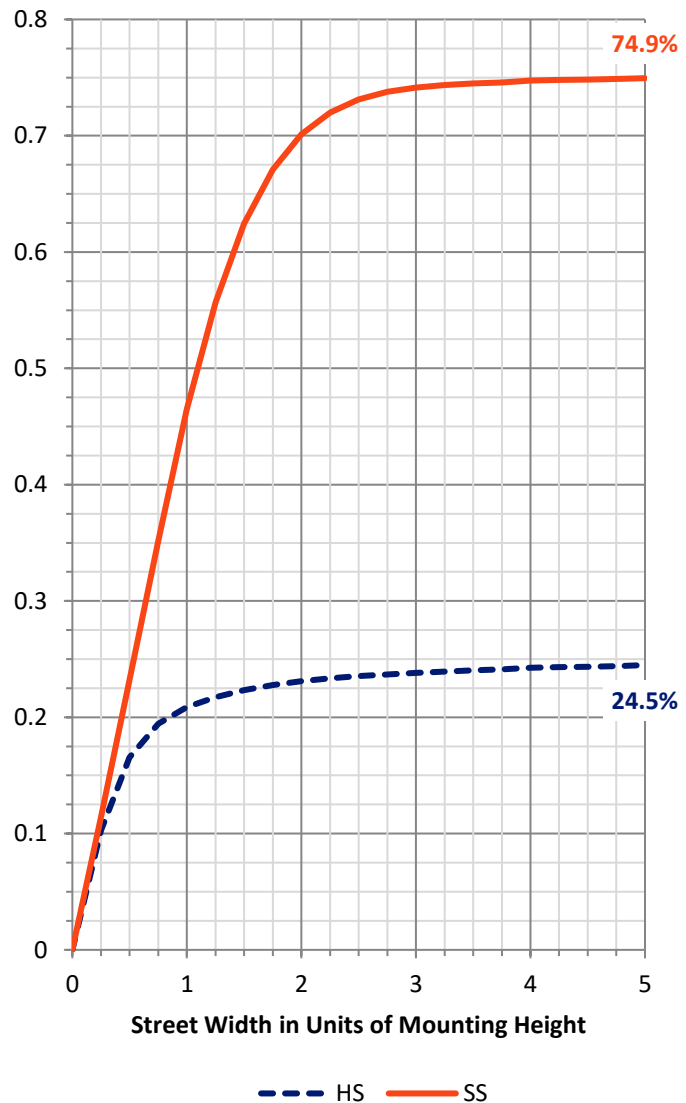
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.8	0.0	958.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	2897.2	0.0	2897.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	3856.0	0.0	3856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.4	1.1
10°-20°	140.1	3.6
20°-30°	270.0	7.0
30°-40°	473.5	12.3
40°-50°	703.9	18.3
50°-60°	892.2	23.1
60°-70°	873.0	22.6
70°-80°	416.4	10.8
80°-90°	44.5	1.2
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°	3856.0	100.0
0°-180°	3856.0	100.0

Coefficient of Utilization



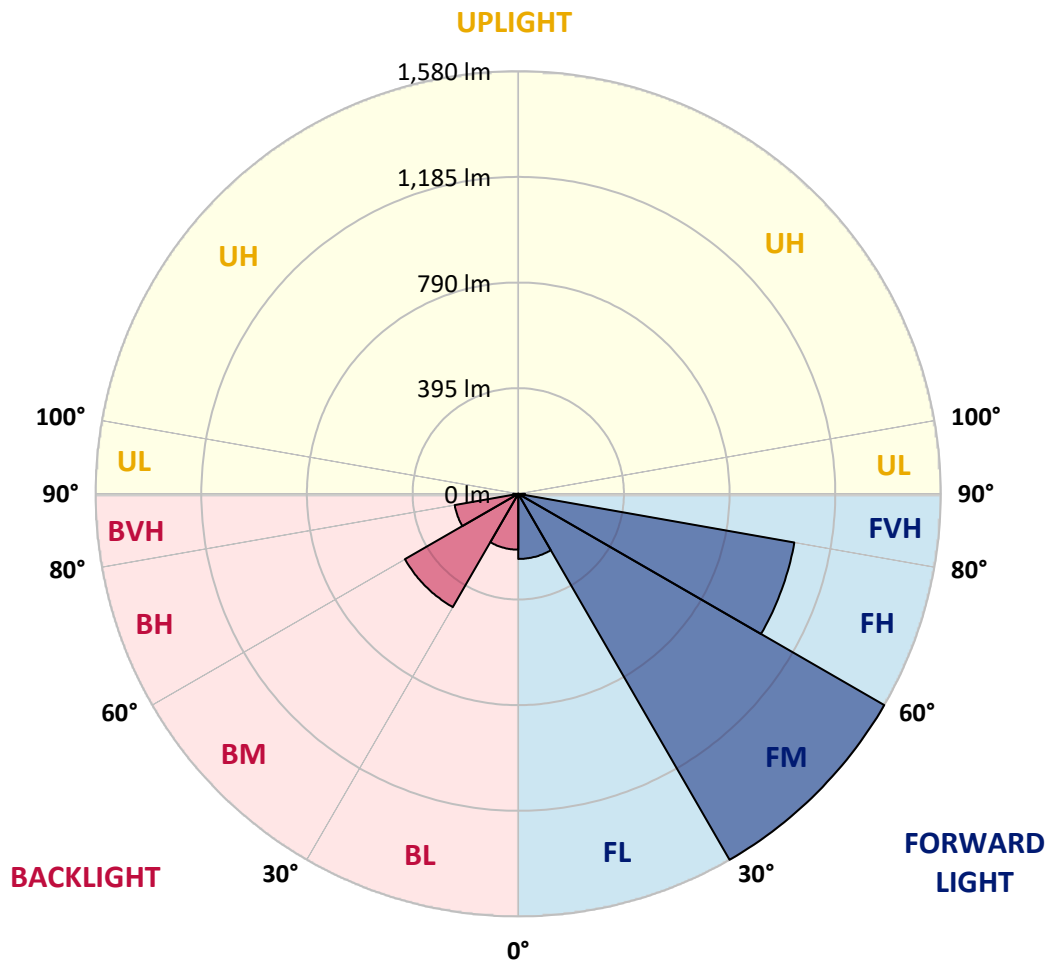
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.7	6.3			
FM (30°-60°)	1580.2	41.0			
FH (60°-80°)	1048.2	27.2			G1/1800
FVH (80°-90°)	25.2	0.7			G1/100
BL (0°-30°)	208.9	5.4	B1/500		
BM (30°-60°)	489.4	12.7	B1/1000		
BH (60°-80°)	241.3	6.3	B1/500		G1/500
BVH (80°-90°)	19.3	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7
2.5°	423.2	425.7	425.0	424.0	423.8	424.2	424.8	425.5	425.3	426.3
5°	422.0	424.4	424.2	424.2	425.0	426.7	427.7	428.7	427.7	428.9
7.5°	422.8	424.6	425.5	426.3	428.3	431.3	433.8	436.0	434.8	436.2
10°	433.2	434.6	435.4	435.4	436.8	440.2	442.7	446.7	445.7	447.9
12.5°	452.0	453.4	453.4	452.6	453.6	455.8	456.7	461.1	459.3	462.9
15°	475.1	477.9	475.7	474.3	474.7	476.9	476.7	480.2	478.3	481.4
17.5°	500.6	504.3	500.6	500.4	499.6	502.0	502.2	505.3	502.0	504.3
20°	530.8	535.9	532.8	533.8	532.0	533.0	534.0	538.5	533.4	535.1
22.5°	573.3	579.4	576.2	580.0	578.8	578.0	577.8	585.7	577.8	578.4
25°	635.3	642.6	637.0	642.2	642.2	644.9	647.9	658.0	644.9	641.0
27.5°	726.9	734.2	723.1	726.3	725.3	731.8	728.5	753.7	739.5	733.2
30°	837.1	850.1	829.0	828.2	827.2	837.5	842.2	858.8	844.4	838.1
32.5°	956.3	969.8	944.7	937.4	933.6	939.8	936.0	949.4	939.4	929.7
35°	1082.3	1095.6	1071.7	1057.6	1042.2	1029.0	1015.2	1018.7	1009.3	994.5
37.5°	1201.4	1225.9	1200.6	1185.4	1157.0	1131.3	1092.8	1076.8	1068.1	1054.5
40°	1322.8	1336.7	1317.5	1304.5	1273.7	1233.4	1171.8	1138.0	1126.2	1113.1
42.5°	1412.1	1425.5	1415.1	1406.2	1382.1	1335.3	1255.7	1213.4	1196.3	1181.5
45°	1483.0	1492.9	1486.5	1489.7	1479.4	1434.0	1342.6	1294.2	1276.6	1258.5
47.5°	1511.6	1522.1	1532.4	1551.7	1569.3	1535.9	1436.0	1381.7	1363.1	1344.6
50°	1508.3	1519.1	1549.1	1590.0	1644.7	1633.5	1534.5	1474.9	1457.7	1436.6
52.5°	1482.4	1494.6	1533.0	1601.1	1688.2	1706.7	1634.8	1571.1	1554.9	1529.8
55°	1414.3	1421.6	1479.4	1575.8	1698.6	1757.7	1733.0	1673.7	1657.4	1622.4
57.5°	1288.1	1298.6	1382.7	1507.5	1672.6	1792.4	1819.3	1781.4	1765.8	1715.4
60°	1123.4	1140.2	1236.4	1392.9	1606.6	1792.2	1897.7	1887.4	1874.4	1807.0
62.5°	937.0	956.5	1049.0	1230.8	1491.1	1741.3	1946.8	1976.1	1969.4	1891.4
65°	719.6	733.0	825.2	1021.1	1311.4	1632.1	1952.4	2036.7	2037.9	1955.7
67.5°	479.1	517.6	597.7	766.2	1070.7	1453.6	1902.6	2046.6	2058.4	1977.7
70°	233.8	284.4	362.9	498.0	766.2	1179.9	1772.3	1965.2	1991.3	1913.3
72.5°	97.0	113.5	156.2	245.7	439.8	796.2	1510.6	1744.4	1792.8	1695.3
75°	65.4	70.9	89.3	126.0	200.4	392.6	1089.4	1300.7	1378.7	1280.4
77.5°	50.4	53.9	65.0	88.1	119.1	148.5	583.1	783.8	824.2	763.0
80°	39.7	42.3	48.6	64.2	84.5	79.4	198.7	355.2	378.5	317.5
82.5°	34.4	35.5	34.8	43.6	56.1	46.4	65.2	131.1	144.7	104.9
85°	24.9	27.8	29.0	26.9	29.8	23.5	26.7	46.4	51.1	45.6
87.5°	10.1	15.0	18.4	17.4	10.9	6.7	8.3	13.6	15.6	17.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
427.7	0°	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7	427.7
427.9	2.5°	428.1	429.5	430.5	431.7	432.5	433.8	436.2	437.6	437.8	438.8
431.1	5°	431.9	434.0	436.2	439.4	443.1	446.1	450.8	454.0	455.2	456.2
439.0	7.5°	440.2	443.1	447.1	452.8	458.1	462.1	467.8	471.6	475.5	476.9
451.6	10°	452.6	456.7	462.5	470.2	475.9	481.2	487.0	490.3	494.1	495.8
466.6	12.5°	468.0	472.3	480.0	490.7	496.0	499.6	501.6	500.8	501.6	503.0
484.6	15°	485.6	490.3	499.0	510.5	514.2	510.9	506.5	502.4	501.8	502.2
506.5	17.5°	506.5	509.9	520.1	529.8	527.2	513.8	504.1	497.6	494.3	493.3
534.4	20°	535.7	535.7	544.0	550.0	532.4	509.7	494.5	484.0	477.3	474.5
572.5	22.5°	571.1	567.9	573.1	568.9	531.4	498.4	477.3	459.1	449.0	444.9
625.8	25°	616.1	612.2	610.8	584.5	524.1	480.4	446.1	424.0	415.1	412.9
702.6	27.5°	684.0	674.2	655.8	593.0	510.7	452.0	409.7	389.2	384.1	384.3
801.3	30°	774.3	754.9	709.7	594.4	488.9	411.9	372.4	357.8	355.4	356.4
884.1	32.5°	858.0	839.6	764.8	587.9	455.2	372.6	338.9	329.2	325.6	326.8
947.3	35°	923.6	918.6	815.9	578.8	413.9	335.7	309.0	300.7	293.6	291.9
1006.9	37.5°	985.6	983.6	854.1	566.1	373.0	309.6	284.9	273.9	263.6	257.9
1072.7	40°	1053.7	1051.7	879.3	546.4	336.7	286.9	263.2	248.8	236.0	225.7
1147.3	42.5°	1130.3	1118.3	891.2	518.2	305.9	267.6	245.5	226.1	209.3	199.8
1231.6	45°	1214.0	1187.0	891.0	482.4	280.0	250.0	226.7	199.2	183.6	174.6
1318.1	47.5°	1302.7	1252.7	880.1	442.7	254.9	230.6	197.5	176.5	166.1	160.7
1412.1	50°	1394.3	1314.0	861.4	397.1	229.1	208.5	179.3	164.9	157.0	151.9
1505.3	52.5°	1480.4	1369.8	839.0	345.4	203.0	187.0	171.2	160.1	151.7	146.1
1595.7	55°	1560.4	1417.8	807.1	292.5	181.7	172.6	167.3	158.0	148.5	141.8
1687.4	57.5°	1631.5	1449.0	752.2	242.9	166.5	162.7	163.3	154.6	143.6	138.0
1777.8	60°	1690.7	1471.9	671.0	196.9	154.2	153.0	157.0	148.1	135.3	128.9
1854.2	62.5°	1726.1	1471.5	571.3	161.3	143.6	144.0	148.7	140.0	127.0	121.0
1894.1	65°	1723.1	1435.4	461.9	138.0	133.5	133.9	140.0	131.1	120.1	116.5
1874.0	67.5°	1662.1	1347.5	354.3	122.8	122.4	124.2	131.3	125.0	115.9	115.5
1754.5	70°	1497.0	1164.9	255.3	110.6	110.8	113.5	122.8	121.2	113.7	114.5
1475.1	72.5°	1200.4	888.2	171.4	97.9	98.1	102.3	114.7	118.1	111.4	122.2
1046.6	75°	799.4	553.9	110.2	84.3	84.5	90.0	107.6	112.2	105.4	121.8
544.6	77.5°	384.1	249.0	79.8	70.9	70.9	76.0	93.0	100.5	89.8	94.6
175.0	80°	132.7	93.6	62.8	57.1	55.9	59.4	78.4	87.1	77.4	71.3
57.1	82.5°	52.3	48.6	50.4	44.4	40.3	42.5	61.0	71.9	56.9	51.5
32.2	85°	30.0	31.6	35.7	29.4	23.3	26.1	44.8	51.7	43.0	37.9
10.5	87.5°	8.1	11.1	16.4	15.2	10.5	11.1	21.3	28.6	24.7	19.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<u>180°</u>
427.7
438.6
456.0
477.1
496.6
503.5
503.7
494.7
473.9
444.3
413.3
384.9
359.8
328.4
293.2
258.1
226.7
200.4
174.2
159.4
150.1
143.6
139.2
134.3
126.0
119.1
116.3
<i>116.1</i>
114.3
123.8
122.8
86.7
66.9
51.3
38.7
19.7
0.0

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