

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: P845953

Luminaire Tested: **GLAN-SB1B-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845953
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-SB1B-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4623 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

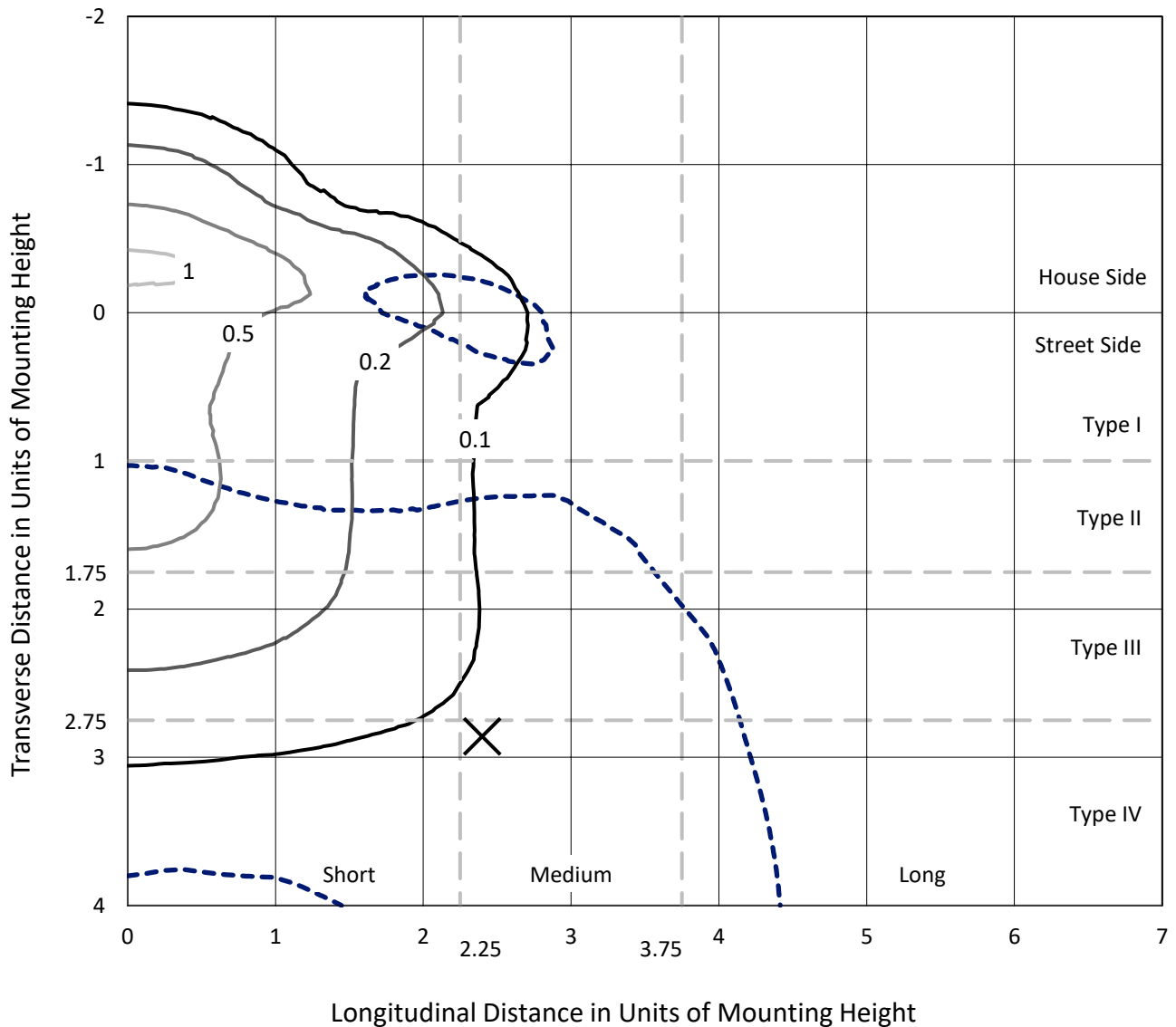
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

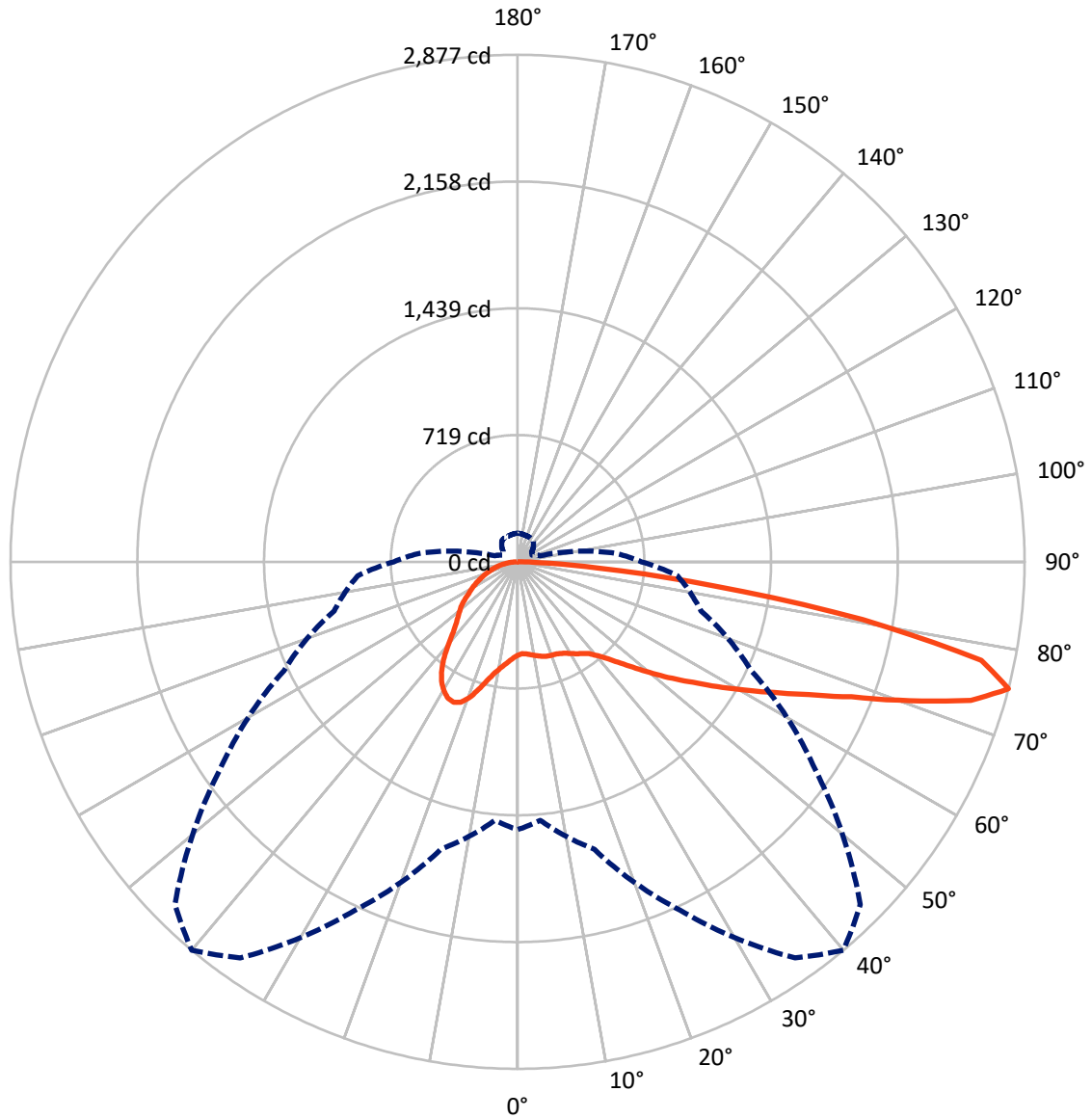
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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

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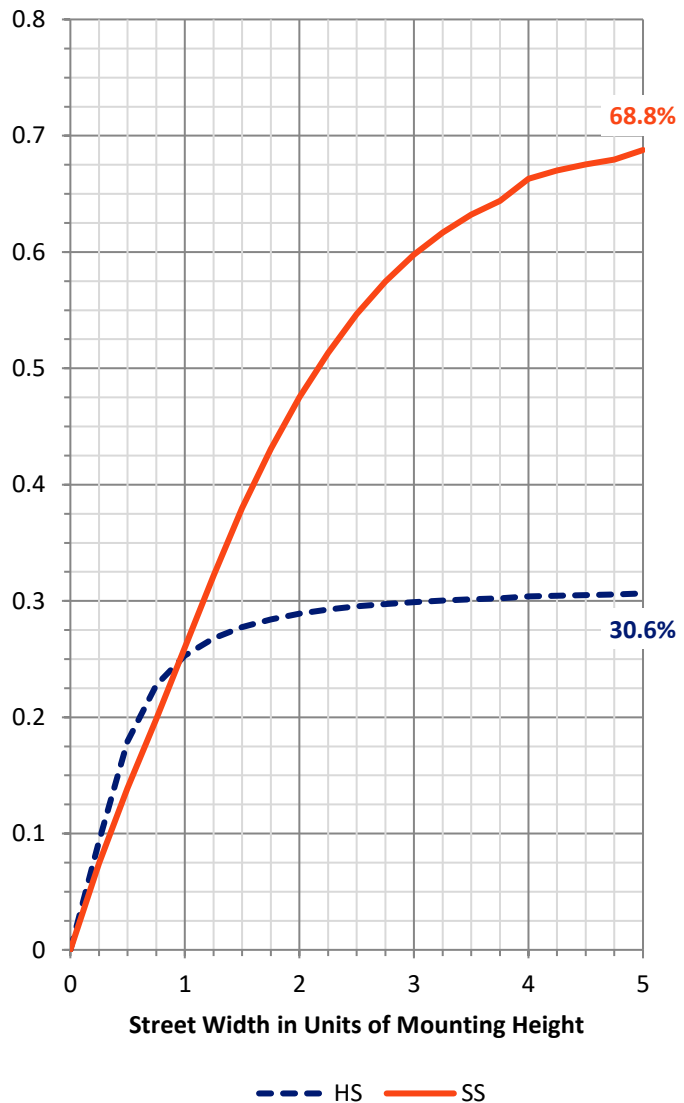
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1432.4	0.0	1432.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3190.6	0.0	3190.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	4623.0	0.0	4623.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.1
10°-20°	177.2	3.8
20°-30°	323.5	7.0
30°-40°	458.8	9.9
40°-50°	619.5	13.4
50°-60°	833.4	18.0
60°-70°	1057.8	22.9
70°-80°	960.0	20.8
80°-90°	139.9	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°	4623.0	100.0
0°-180°	4623.0	100.0

Coefficient of Utilization

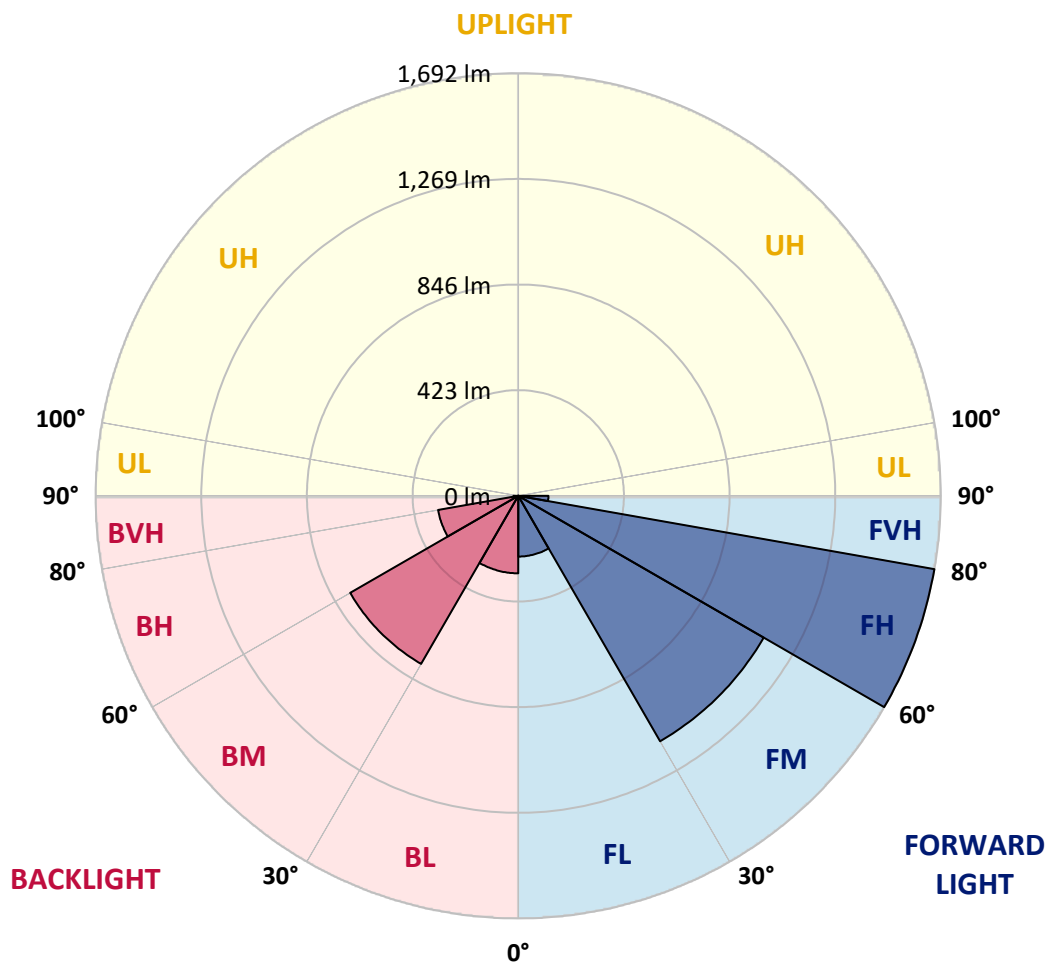


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.2	5.3			
FM (30°-60°)	1134.8	24.5			
FH (60°-80°)	1692.0	36.6			G1/1800
FVH (80°-90°)	120.7	2.6			G2/225
BL (0°-30°)	310.3	6.7	B1/500		
BM (30°-60°)	776.9	16.8	B1/1000		
BH (60°-80°)	325.9	7.0	B1/500		G1/500
BVH (80°-90°)	19.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6
2.5°	520.6	523.5	522.8	521.8	521.8	522.0	521.8	523.5	525.2	526.9
5°	525.9	528.9	527.4	526.2	525.2	525.0	524.2	524.0	525.0	527.2
7.5°	536.5	539.4	537.2	535.0	533.1	532.1	531.1	529.6	528.9	530.1
10°	548.3	551.2	548.5	544.6	541.4	540.2	539.2	537.7	536.7	537.5
12.5°	560.0	563.0	559.3	553.9	549.7	549.0	547.8	547.3	547.0	546.8
15°	571.1	573.5	568.9	562.5	558.1	556.8	555.6	556.4	557.6	559.1
17.5°	579.6	582.1	575.2	566.9	562.7	562.2	561.5	564.0	567.4	571.1
20°	587.5	589.9	581.1	569.8	564.9	564.9	565.2	570.3	575.2	580.6
22.5°	598.5	600.5	589.7	574.3	567.1	567.6	569.6	574.7	580.9	588.2
25°	615.0	616.4	603.2	582.6	574.5	576.0	577.7	580.1	586.0	594.6
27.5°	641.4	642.7	625.3	597.3	585.0	587.5	589.9	588.2	590.9	598.3
30°	678.7	679.4	657.4	620.4	602.9	604.2	604.7	597.5	592.4	598.3
32.5°	722.8	722.6	696.4	648.3	623.3	622.1	617.9	603.9	591.9	597.1
35°	791.3	788.6	754.7	687.5	646.3	638.7	628.9	611.0	594.4	595.8
37.5°	904.5	896.2	849.4	751.8	680.7	661.3	646.8	622.6	599.8	595.3
40°	1032.3	1021.7	970.2	839.8	732.2	701.0	677.7	639.0	608.6	597.5
42.5°	1183.8	1168.9	1113.4	943.5	797.4	752.3	717.2	659.8	621.6	604.7
45°	1369.9	1350.1	1271.6	1060.5	879.5	819.5	772.6	691.5	641.4	618.4
47.5°	1558.0	1562.9	1451.3	1194.4	978.1	902.3	842.0	739.0	670.4	640.5
50°	1757.8	1761.3	1630.1	1342.7	1089.9	996.0	920.0	792.2	710.6	671.8
52.5°	1913.8	1914.3	1792.4	1497.9	1206.4	1099.0	1004.1	853.0	757.2	713.5
55°	2011.4	2010.1	1906.2	1644.8	1340.3	1207.1	1097.3	922.2	814.1	762.6
57.5°	2082.2	2078.5	1984.6	1771.1	1483.0	1334.9	1202.7	1000.7	881.2	820.9
60°	2109.2	2107.0	2037.8	1880.2	1633.0	1476.1	1324.3	1088.4	957.5	889.8
62.5°	2119.5	2123.7	2090.1	1985.9	1793.6	1632.5	1457.9	1193.4	1043.3	967.8
65°	2155.8	2163.4	2156.5	2124.1	1975.1	1815.7	1635.2	1318.2	1137.0	1051.4
67.5°	2227.6	2235.2	2238.2	2289.7	2196.7	2044.0	1856.4	1473.6	1246.6	1138.2
70°	2225.9	2223.7	2275.7	2421.3	2474.3	2360.0	2154.6	1664.9	1377.3	1210.3
72.5°	2026.1	2008.4	2131.3	2419.9	2705.3	2690.1	2518.7	1911.6	1490.1	1219.1
75°	1520.0	1472.9	1689.9	2180.8	2743.8	2877.4	2750.1	2064.6	1463.3	1077.2
77.5°	650.0	602.7	858.4	1614.4	2455.7	2689.8	2537.8	1801.2	1168.1	712.3
80°	170.2	169.9	259.4	731.9	1670.0	1986.3	1742.6	1163.2	667.4	254.5
82.5°	70.4	68.7	95.4	284.7	816.0	1114.7	909.7	518.8	241.0	68.9
85°	26.2	26.0	46.3	98.3	287.9	459.7	332.7	132.7	60.1	33.6
87.5°	7.4	7.1	10.1	34.1	70.1	106.4	56.9	21.8	16.9	13.2
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°
528.6	0°	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6	528.6
529.6	2.5°	530.4	531.6	533.8	535.5	537.7	540.2	543.6	545.8	548.0	549.5
530.9	5°	532.6	535.3	540.9	546.5	553.2	559.3	566.4	571.6	575.7	577.0
535.3	7.5°	537.5	541.9	551.4	561.0	571.6	581.6	591.9	600.7	607.8	610.5
543.1	10°	546.1	551.9	565.4	578.9	592.9	608.3	621.6	634.3	644.4	648.5
552.4	12.5°	556.8	564.2	581.9	600.5	619.9	641.2	658.4	674.0	686.6	692.2
565.4	15°	570.8	580.4	602.9	628.0	656.4	686.1	707.9	725.3	739.3	746.1
578.9	17.5°	586.0	598.8	627.2	665.0	705.7	744.7	770.2	782.9	797.4	804.0
591.4	20°	600.7	616.4	657.1	712.1	766.2	807.7	828.3	831.7	832.7	833.4
603.2	22.5°	615.9	637.0	694.6	771.4	829.5	858.2	861.1	846.4	825.8	816.3
614.7	25°	632.6	660.6	743.7	836.9	883.9	887.4	864.8	829.0	790.0	772.1
624.0	27.5°	648.8	687.8	802.5	899.4	923.2	893.0	844.5	793.7	746.6	727.7
630.6	30°	665.0	718.9	867.5	954.1	941.1	879.0	812.3	755.7	708.4	688.5
636.5	32.5°	681.4	755.2	942.3	993.5	937.9	849.4	772.4	713.0	671.4	650.5
641.7	35°	700.0	799.8	1013.2	1015.1	916.5	805.7	719.7	662.0	625.7	609.1
647.8	37.5°	724.3	856.5	1075.7	1020.5	879.3	741.7	654.2	601.7	571.8	564.2
656.9	40°	754.5	924.6	1123.5	1011.9	824.1	664.0	582.6	540.7	523.7	525.5
669.1	42.5°	793.7	1000.9	1157.1	989.9	747.4	583.8	519.8	501.2	509.3	516.1
687.5	45°	844.7	1080.1	1177.9	952.3	660.6	515.9	482.8	487.2	493.3	494.1
717.2	47.5°	909.9	1160.3	1191.7	895.7	572.0	468.1	459.3	460.2	459.0	453.9
761.6	50°	991.3	1238.2	1203.9	820.7	496.8	438.2	426.4	423.0	406.0	389.4
820.7	52.5°	1084.0	1309.8	1209.1	727.5	438.2	413.2	394.0	372.5	340.8	335.7
895.0	55°	1187.0	1376.0	1195.8	613.0	388.9	381.0	352.1	326.1	322.7	318.3
992.8	57.5°	1310.1	1447.4	1168.9	485.2	338.4	343.5	315.3	318.3	312.1	305.3
1118.6	60°	1444.7	1521.2	1121.5	368.8	286.1	296.7	305.8	305.5	303.8	298.2
1251.2	62.5°	1565.8	1569.8	1028.4	282.5	240.3	260.4	285.2	284.9	283.4	280.3
1389.8	65°	1637.9	1562.4	872.9	222.4	202.5	230.5	257.2	259.2	259.4	259.2
1494.0	67.5°	1625.2	1476.3	659.6	177.0	171.4	200.1	229.5	232.2	234.2	234.7
1507.2	70°	1481.0	1287.3	430.1	141.2	143.7	173.4	203.3	206.0	207.7	209.6
1307.9	72.5°	1154.4	946.5	246.2	114.3	119.4	150.3	177.3	180.5	181.4	185.1
910.2	75°	703.5	556.6	132.9	90.0	98.1	128.5	151.5	155.2	156.9	161.3
447.0	77.5°	334.4	241.0	75.8	70.1	79.0	104.9	128.0	132.2	127.5	130.0
123.3	80°	113.0	89.5	47.8	53.5	60.3	81.9	102.5	106.7	96.9	96.4
40.9	82.5°	39.5	36.3	30.4	35.6	39.0	58.6	77.5	82.9	72.1	71.8
18.4	85°	15.4	14.7	16.9	19.4	23.3	36.0	51.0	53.7	44.4	35.8
5.4	87.5°	3.2	3.4	4.2	4.4	7.1	12.5	18.4	22.6	17.9	15.2
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>
528.6
548.5
577.4
610.8
648.8
692.2
745.6
803.8
835.4
819.0
774.8
730.0
690.7
653.2
612.7
569.6
531.3
522.5
499.0
457.8
391.6
337.4
319.0
304.0
296.2
279.0
259.2
235.1
210.6
186.6
<i>161.8</i>
128.0
95.4
68.4
35.3
14.0
0.0

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