

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: P945341

Luminaire Tested: **GLAN-SB1B-827-U-SL3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-827-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3945 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

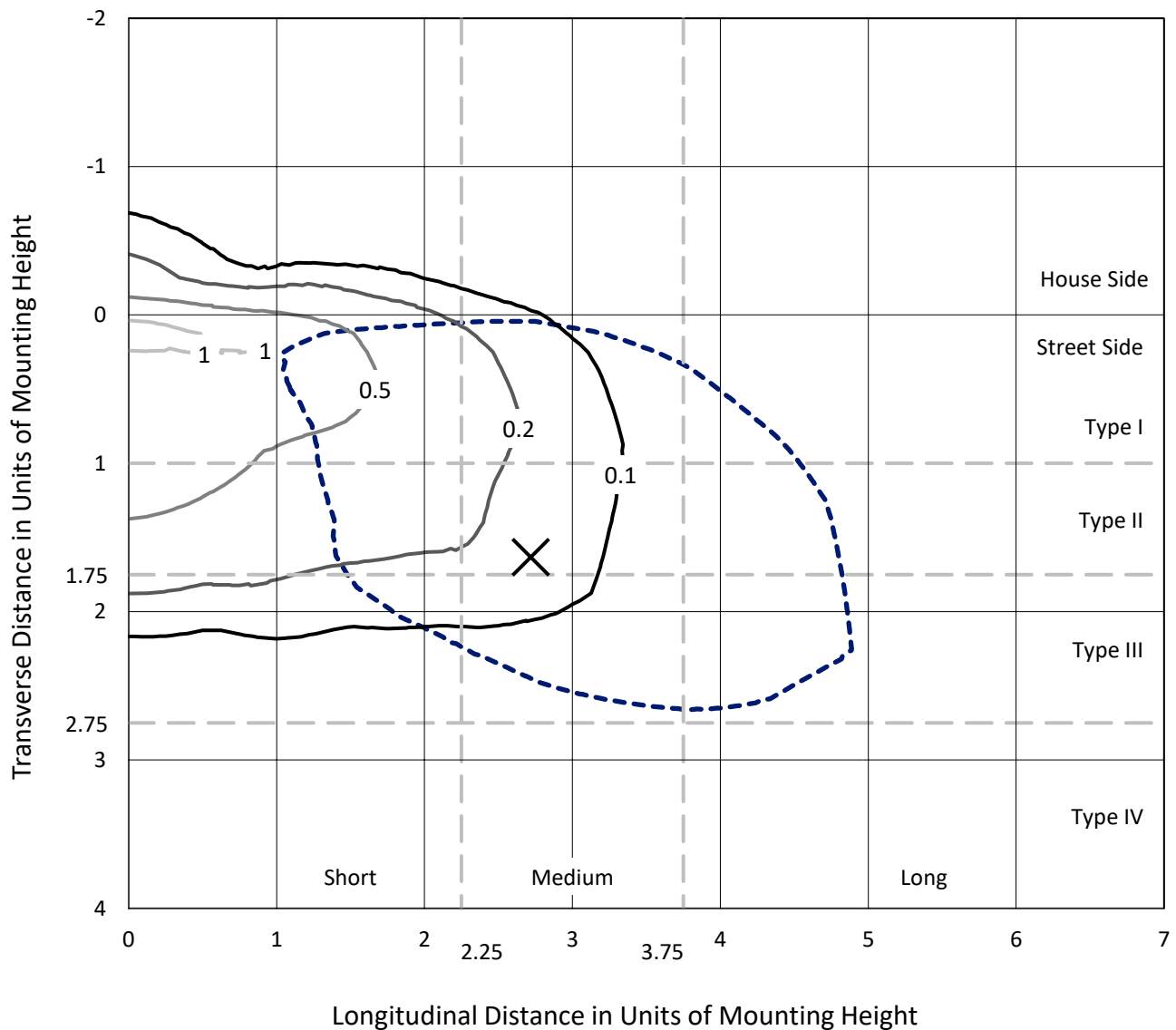
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

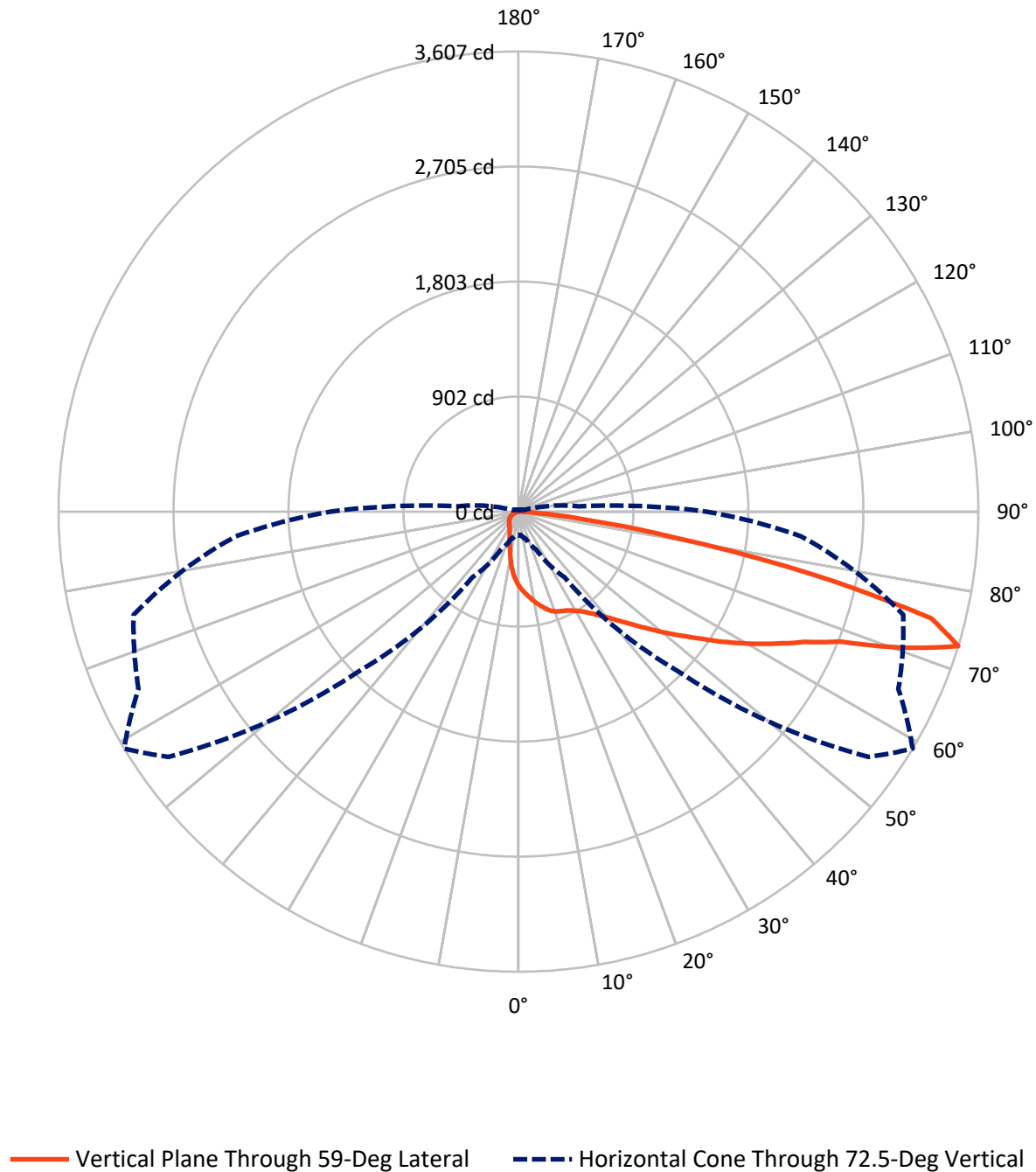
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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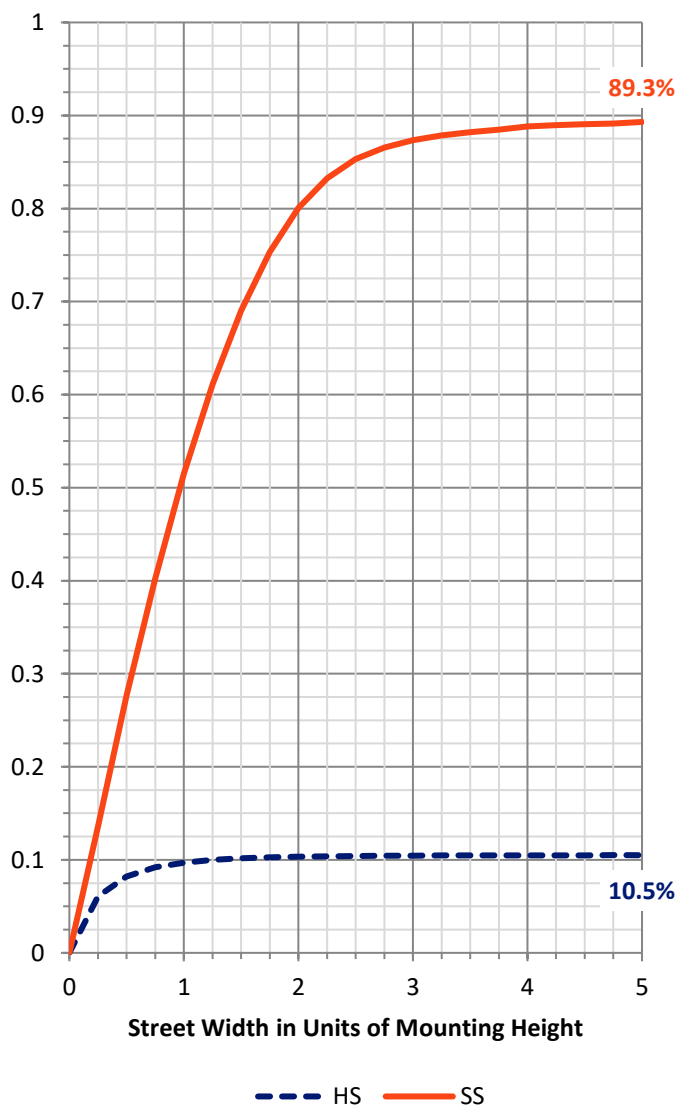
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.7	0.0	416.7
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	3528.3	0.0	3528.3
	% Fixture	89.4	0.0	89.4
Total	Lumens	3945.0	0.0	3945.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.8	1.3
10°-20°	140.2	3.6
20°-30°	222.2	5.6
30°-40°	356.6	9.0
40°-50°	569.5	14.4
50°-60°	824.6	20.9
60°-70°	978.5	24.8
70°-80°	726.4	18.4
80°-90°	74.3	1.9
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°	3945.0	100.0
0°-180°	3945.0	100.0

Coefficient of Utilization



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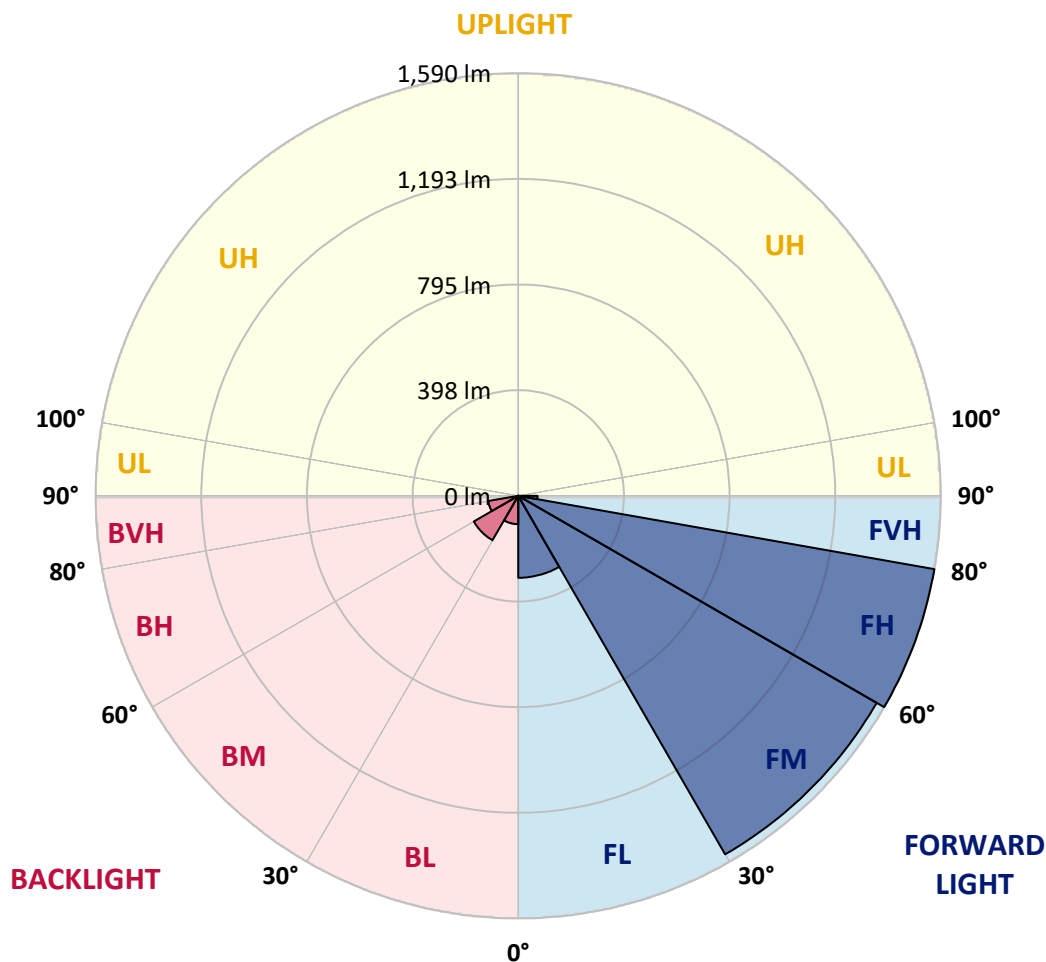
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.4	7.8			
FM	(30°-60°)	1557.4	39.5			
FH	(60°-80°)	1590.1	40.3			G1/1800
FVH	(80°-90°)	72.4	1.8			G1/100
BL	(0°-30°)	106.7	2.7	B0/110		
BM	(30°-60°)	193.2	4.9	B0/220		
BH	(60°-80°)	114.9	2.9	B1/500		G1/500
BVH	(80°-90°)	1.8	0.0			G0/10
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
2.5°	647.2	643.6	644.2	638.0	633.6	629.0	619.9	618.7	612.2	600.9
5°	703.7	701.3	699.3	692.3	683.3	672.0	656.8	651.4	639.5	619.9
7.5°	744.9	742.0	743.1	736.1	728.9	716.3	695.4	685.4	669.7	639.8
10°	752.8	751.3	758.0	760.6	760.6	752.6	732.2	722.2	699.3	661.2
12.5°	708.0	708.3	725.0	745.1	771.4	778.9	765.2	754.4	731.7	683.8
15°	655.7	656.0	672.2	698.0	741.0	784.0	794.8	787.9	764.4	708.3
17.5°	624.3	623.0	633.9	655.0	700.0	760.6	812.9	817.5	798.4	735.3
20°	619.9	617.6	623.3	633.9	666.0	731.2	814.9	836.8	833.5	766.0
22.5°	646.7	643.1	640.0	640.5	654.2	706.7	809.8	847.6	869.5	802.8
25°	699.8	694.1	684.1	671.2	668.4	701.6	806.2	859.5	903.0	849.9
27.5°	764.7	756.7	737.4	718.1	701.6	716.0	813.6	878.3	940.9	904.8
30°	836.0	826.2	806.9	770.4	744.1	748.2	831.4	903.0	989.3	966.9
32.5°	940.9	918.2	884.5	828.6	793.8	783.0	858.2	934.4	1049.3	1049.6
35°	1030.8	1018.1	984.1	914.6	843.2	829.1	893.5	978.7	1132.5	1159.0
37.5°	1089.7	1072.5	1042.6	990.3	920.0	876.5	940.6	1033.1	1220.6	1283.7
40°	1155.7	1138.7	1099.0	1049.8	1009.1	957.9	1000.1	1095.7	1317.2	1411.7
42.5°	1235.3	1213.1	1166.2	1113.2	1070.7	1065.0	1077.9	1173.7	1416.3	1550.8
45°	1328.7	1307.9	1254.1	1187.1	1149.7	1139.7	1175.8	1264.6	1526.8	1703.2
47.5°	1416.3	1392.1	1334.2	1273.1	1231.6	1200.0	1279.8	1372.0	1652.0	1862.7
50°	1490.8	1466.0	1413.0	1347.8	1319.7	1278.3	1382.1	1491.8	1776.1	2024.7
52.5°	1541.7	1519.9	1457.5	1413.2	1394.2	1373.3	1501.8	1618.8	1899.8	2173.0
55°	1530.2	1510.6	1455.7	1452.6	1451.3	1473.2	1645.0	1762.7	2025.7	2313.4
57.5°	1493.3	1471.2	1402.7	1449.8	1495.4	1562.4	1800.1	1933.0	2163.8	2445.8
60°	1384.9	1377.2	1335.4	1444.4	1513.9	1649.7	1977.3	2104.0	2313.1	2562.2
62.5°	1155.4	1162.1	1161.8	1455.7	1547.4	1749.1	2138.3	2277.1	2459.2	2674.2
65°	865.1	888.3	917.9	1353.7	1592.2	1926.5	2330.7	2464.8	2607.5	2804.6
67.5°	581.3	599.9	619.9	1110.6	1458.8	2113.0	2650.3	2722.1	2785.2	2949.1
70°	332.8	338.7	366.8	693.6	1124.5	2061.5	3170.8	3196.8	3050.3	3127.0
72.5°	186.5	184.4	221.5	329.2	628.4	1765.3	3353.2	3606.9	3287.5	3124.2
75°	124.7	124.9	152.5	207.6	244.9	1235.8	2889.6	3344.4	3145.3	2770.3
77.5°	85.0	87.8	112.0	160.5	113.3	602.9	1911.6	2342.8	2546.5	2139.3
80°	36.8	37.1	73.9	115.1	76.5	191.9	991.1	1255.1	1597.1	1201.3
82.5°	19.1	21.6	47.1	74.4	48.2	67.2	468.2	548.3	670.2	352.6
85°	6.7	8.0	29.1	36.6	24.2	24.0	163.0	166.1	141.9	53.1
87.5°	0.0	1.3	11.3	9.0	3.1	2.8	19.3	16.2	12.9	7.5
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°
583.4	0°	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4	583.4
589.3	2.5°	583.9	576.9	565.6	551.7	535.5	526.7	514.1	506.4	499.4	499.7
597.3	5°	584.7	573.1	544.2	513.6	479.6	454.6	426.8	407.2	392.3	388.7
605.5	7.5°	587.0	567.4	520.3	469.3	412.6	370.6	332.3	308.0	294.4	290.8
614.0	10°	590.1	561.2	493.2	415.2	344.9	294.4	262.5	247.0	240.8	236.2
624.8	12.5°	592.6	554.8	459.2	359.3	284.6	245.2	221.0	208.1	202.7	199.4
637.5	15°	597.0	546.3	422.4	307.3	243.9	211.7	188.8	179.3	177.7	178.2
651.4	17.5°	601.4	538.0	381.2	266.6	214.0	182.4	168.4	166.9	169.0	171.0
667.3	20°	606.3	526.2	339.5	235.9	186.5	162.0	158.4	159.4	160.5	164.1
689.2	22.5°	613.5	511.3	302.9	209.9	163.6	152.2	150.4	151.2	152.0	155.6
718.1	25°	623.8	495.3	273.3	186.0	149.1	144.2	142.4	142.4	143.5	146.8
751.6	27.5°	634.6	472.6	249.3	163.8	140.6	135.5	132.4	132.4	133.7	137.5
793.5	30°	646.7	452.0	230.5	147.3	133.4	126.7	122.6	121.6	123.1	128.0
854.3	32.5°	668.6	438.6	217.1	139.6	127.0	118.7	113.1	110.2	111.8	117.4
939.3	35°	701.8	435.5	207.9	135.7	120.8	111.5	103.5	99.2	100.4	106.4
1044.1	37.5°	740.7	442.0	198.8	130.6	114.9	104.6	94.0	88.3	90.4	95.8
1163.9	40°	796.6	468.8	191.9	126.7	108.9	96.3	84.5	78.8	82.2	86.8
1288.6	42.5°	864.1	516.4	190.1	123.1	101.7	87.6	75.7	71.6	74.2	78.6
1414.5	45°	947.8	577.2	198.3	118.5	93.8	79.1	68.8	66.5	67.2	71.6
1533.5	47.5°	1037.7	639.5	221.0	114.4	86.8	72.1	63.4	61.3	60.8	64.9
1642.2	50°	1128.6	694.9	247.8	111.3	81.9	66.5	59.2	56.7	55.4	58.0
1749.6	52.5°	1218.5	738.9	265.3	106.1	77.0	60.8	55.6	51.8	49.5	50.7
1856.5	55°	1309.7	777.6	266.3	98.4	72.4	57.2	52.0	47.6	44.8	44.8
1959.5	57.5°	1394.9	811.6	251.1	88.1	65.9	53.8	47.1	43.5	40.4	39.4
2050.9	60°	1470.4	836.8	225.9	76.5	60.3	49.5	42.2	39.4	35.5	33.5
2132.3	62.5°	1537.6	849.2	191.4	64.6	53.3	44.3	37.6	34.5	29.4	26.8
2215.0	65°	1594.5	836.6	155.3	53.6	47.4	38.6	32.2	29.1	23.4	20.3
2308.0	67.5°	1651.0	778.9	117.4	45.1	41.2	32.5	26.5	23.7	19.6	17.0
2375.7	70°	1658.2	657.5	82.2	37.9	34.3	25.0	21.4	19.6	16.0	13.7
2224.5	72.5°	1476.1	473.1	50.0	30.9	26.8	17.8	17.0	15.5	11.8	10.3
1817.6	75°	1179.9	290.0	29.4	23.2	17.8	12.6	12.6	11.1	8.0	6.7
1254.8	77.5°	815.4	151.7	17.3	14.9	10.6	7.5	8.2	6.7	3.9	3.1
497.1	80°	326.6	57.7	9.3	7.0	4.9	3.3	2.8	1.5	0.8	0.5
102.0	82.5°	65.2	15.2	3.1	1.8	1.8	0.8	0.0	0.0	0.0	0.0
28.1	85°	16.7	3.3	0.8	0.5	0.5	0.0	0.0	0.0	0.0	0.0
9.3	87.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
583.4
505.3
394.1
294.4
239.0
201.2
179.0
171.8
165.1
156.6
148.1
139.1
129.3
119.0
108.2
97.4
87.6
79.3
73.7
67.5
59.0
51.8
45.3
39.7
33.0
26.5
20.3
17.0
13.4
10.0
6.7
3.1
0.8
0.0
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0.0
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