

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: P846032

Luminaire Tested: **GLAN-SB1C-722-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-722-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4089 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

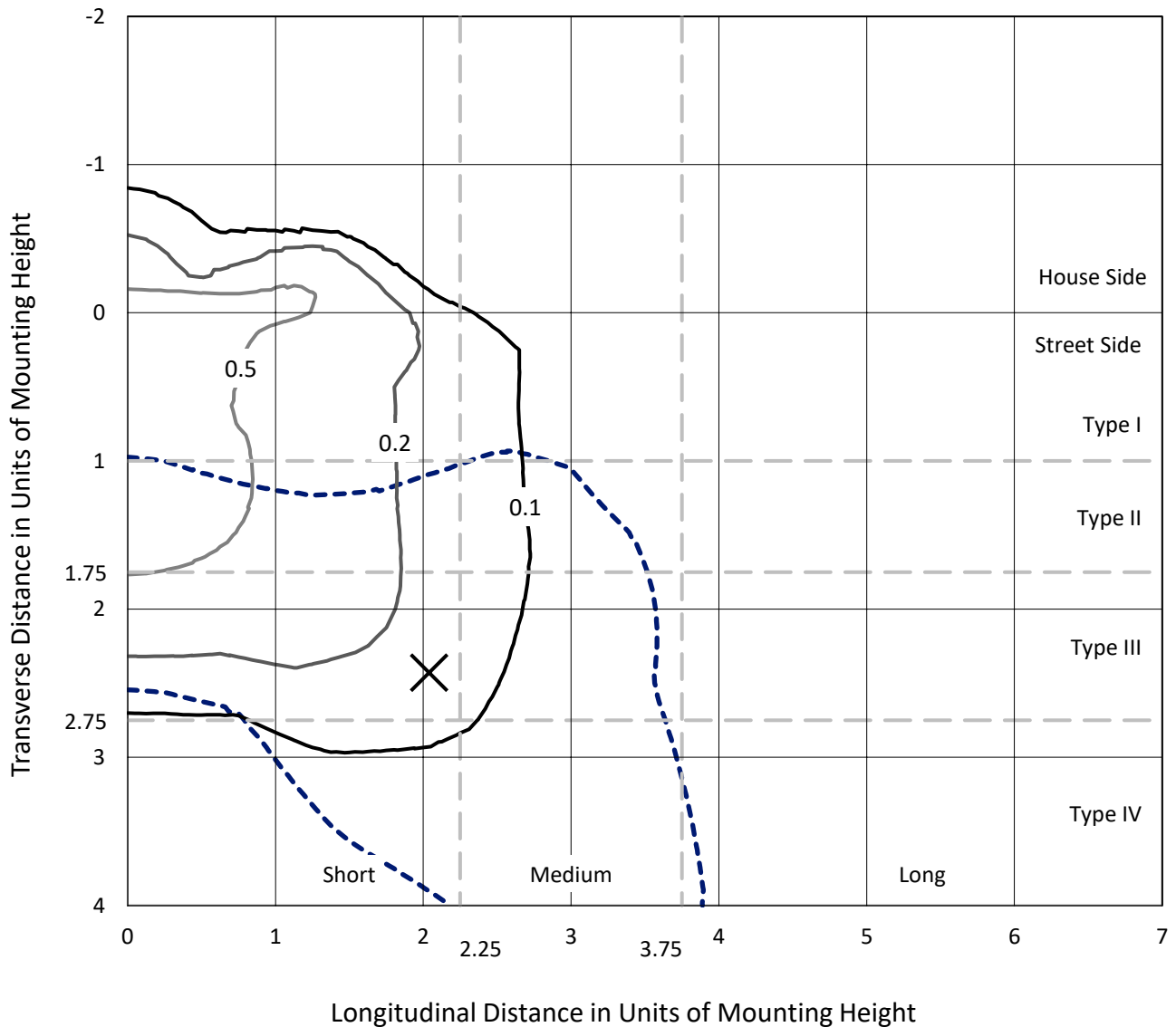
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

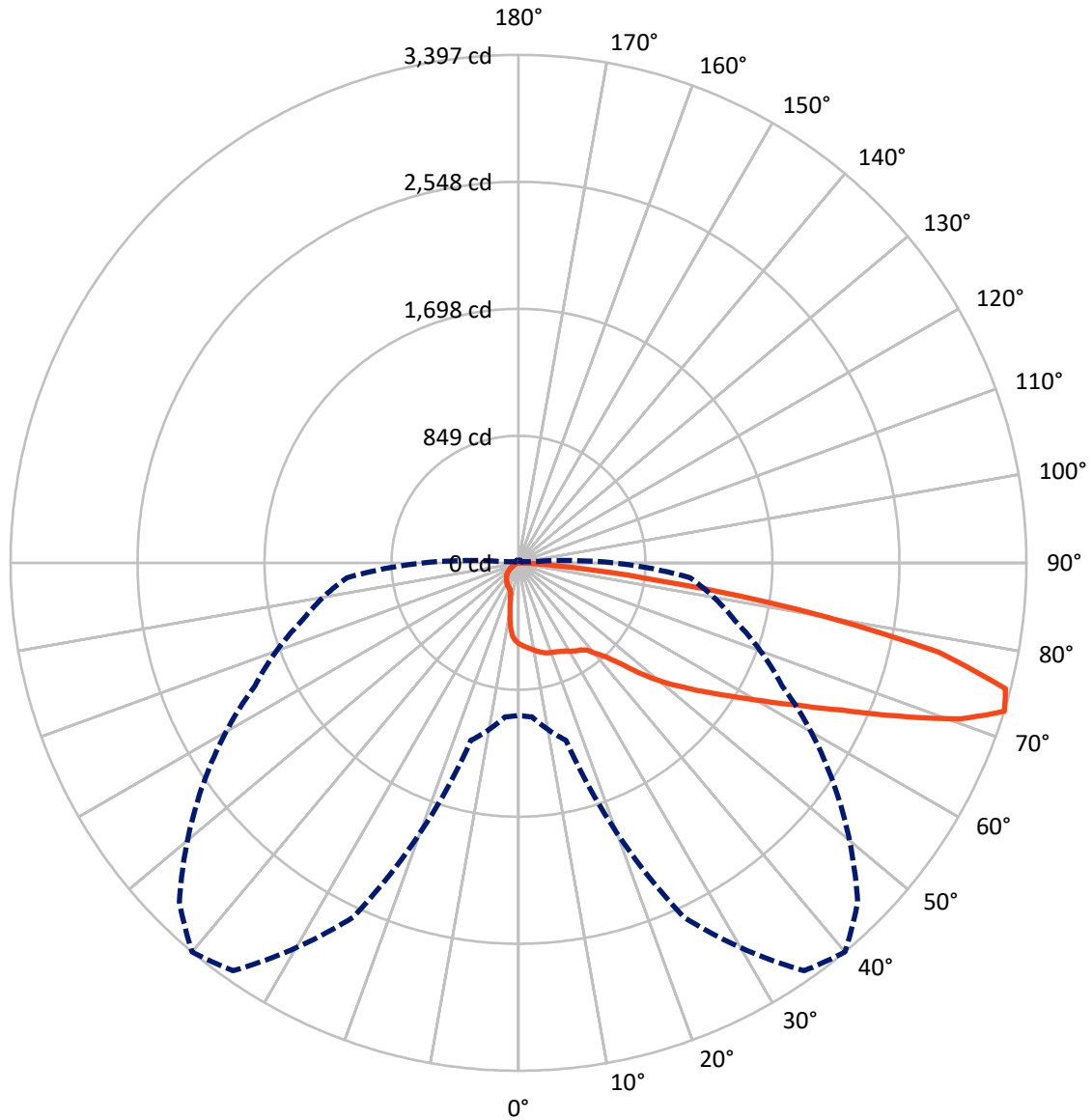
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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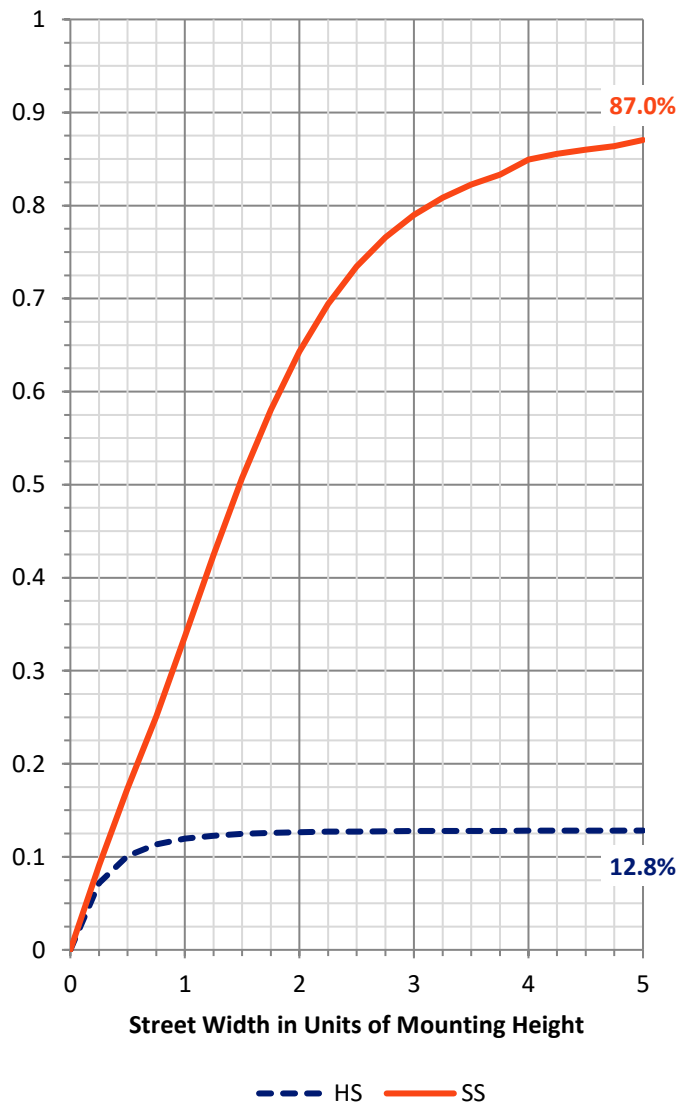
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	528.0	0.0	528.0
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3560.9	0.0	3560.9
	% Fixture	87.1	0.0	87.1
Total	Lumens	4089.0	0.0	4089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	1.2
10°-20°	134.3	3.3
20°-30°	217.3	5.3
30°-40°	320.8	7.8
40°-50°	539.9	13.2
50°-60°	838.3	20.5
60°-70°	1048.9	25.7
70°-80°	858.7	21.0
80°-90°	81.4	2.0
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°	4089.0	100.0
0°-180°	4089.0	100.0

Coefficient of Utilization



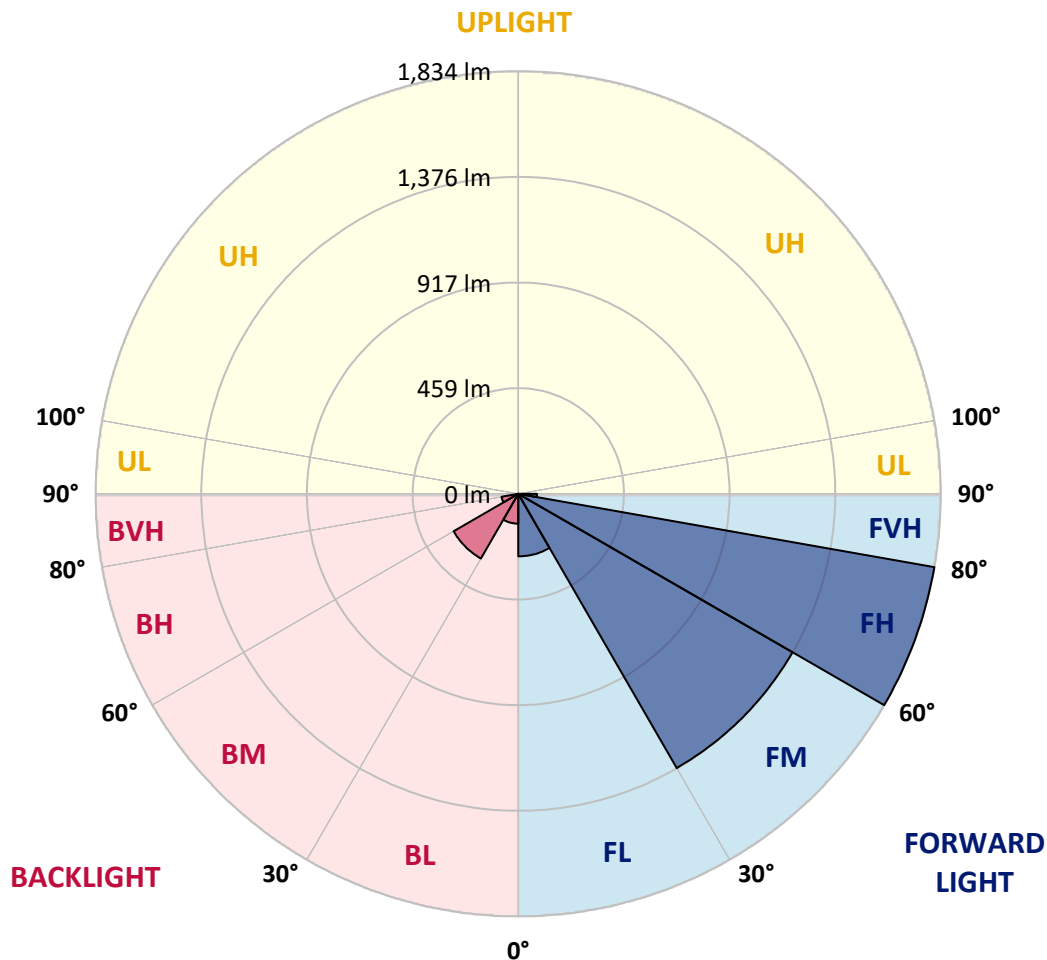
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.4	6.6			
FM (30°-60°)	1374.7	33.6			
FH (60°-80°)	1834.1	44.9			G2/5000
FVH (80°-90°)	80.8	2.0			G1/100
BL (0°-30°)	129.6	3.2	B1/500		
BM (30°-60°)	324.3	7.9	B1/1000		
BH (60°-80°)	73.6	1.8	B0/110		G0/110
BVH (80°-90°)	0.6	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4
2.5°	557.7	559.9	558.7	556.2	555.6	554.4	552.8	552.2	550.0	548.2
5°	573.4	575.6	574.1	570.7	569.1	567.6	565.4	563.6	559.3	555.3
7.5°	590.7	592.5	590.7	585.8	583.3	581.5	578.4	575.6	570.7	564.8
10°	609.8	611.3	608.6	602.1	598.1	595.3	592.5	589.5	584.8	578.4
12.5°	627.6	629.5	625.2	617.5	612.9	610.1	607.0	604.6	599.9	593.8
15°	644.0	646.7	639.4	631.0	625.8	623.6	620.6	619.0	615.9	611.6
17.5°	656.3	658.1	650.4	640.6	634.7	633.2	631.0	632.0	631.3	629.2
20°	666.8	668.0	657.8	645.8	639.4	639.7	639.0	642.1	643.4	643.4
22.5°	679.7	680.0	667.1	652.0	644.3	646.4	647.4	650.7	653.2	655.7
25°	696.6	696.0	680.6	660.0	653.2	656.3	658.4	659.7	662.5	666.5
27.5°	721.9	720.0	700.3	672.9	664.9	667.7	671.7	671.1	669.8	672.9
30°	753.9	751.5	725.3	691.1	683.7	686.2	687.4	681.9	672.9	675.7
32.5°	804.7	800.4	764.1	711.4	700.0	702.8	701.3	689.9	676.6	679.4
35°	893.1	882.7	831.2	753.9	718.5	715.4	711.7	700.6	684.3	681.5
37.5°	1081.0	1062.5	974.7	836.8	760.4	740.4	729.0	717.9	692.6	681.5
40°	1292.9	1274.1	1172.8	975.4	830.0	796.1	769.0	738.2	701.3	685.5
42.5°	1514.0	1493.4	1389.3	1147.2	929.5	859.9	809.4	754.5	715.4	697.9
45°	1761.0	1735.1	1599.0	1326.4	1073.9	965.8	874.3	788.1	740.1	719.7
47.5°	2021.5	1988.0	1808.1	1500.4	1229.4	1112.4	993.2	848.2	776.4	752.4
50°	2252.5	2219.3	2024.0	1682.5	1374.8	1251.9	1128.7	931.3	830.9	798.6
52.5°	2418.5	2393.3	2220.5	1870.3	1526.0	1382.8	1251.6	1028.0	899.9	857.7
55°	2529.7	2506.6	2359.7	2048.3	1701.9	1526.9	1372.6	1133.0	983.1	928.5
57.5°	2597.1	2583.9	2460.4	2207.2	1876.2	1684.6	1511.2	1248.5	1081.0	1012.0
60°	2621.2	2610.4	2522.9	2358.8	2086.8	1874.0	1674.1	1378.8	1199.9	1106.9
62.5°	2557.1	2559.3	2567.9	2538.3	2308.9	2095.8	1869.4	1535.2	1331.7	1214.3
65°	2255.6	2273.5	2437.3	2737.3	2603.0	2373.5	2117.9	1726.2	1482.6	1336.6
67.5°	1867.5	1893.4	2097.3	2853.7	2916.5	2734.2	2464.1	1969.5	1662.4	1461.0
70°	1429.6	1457.3	1704.3	2829.3	3210.0	3128.4	2892.2	2279.0	1848.8	1547.3
72.5°	1020.3	1034.5	1229.1	2612.8	3330.4	3396.9	3207.5	2572.2	1943.9	1499.5
75°	717.0	714.5	843.5	2104.1	3142.9	3364.3	3097.0	2413.6	1759.1	1191.2
77.5°	312.3	312.9	421.3	1277.8	2508.4	2873.4	2574.3	1511.8	1226.3	631.3
80°	81.0	83.5	154.6	508.8	1510.3	1896.5	1570.0	664.6	566.7	154.0
82.5°	28.6	30.5	71.1	159.8	557.1	869.7	699.1	212.5	147.8	44.0
85°	8.3	9.9	38.2	49.0	115.2	245.8	169.7	41.3	36.3	22.8
87.5°	0.0	1.2	7.7	6.8	6.8	4.6	8.6	4.6	5.9	2.8
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°
541.4	0°	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4	541.4
546.0	2.5°	544.2	542.0	537.4	532.5	527.9	523.6	522.3	517.7	515.5	515.9
550.3	5°	547.0	543.0	534.0	523.2	512.2	499.5	489.1	474.3	461.7	460.1
558.7	7.5°	554.4	547.9	533.4	512.5	484.7	449.9	417.6	385.6	367.4	357.6
571.0	10°	565.7	557.1	534.9	494.9	436.1	373.9	324.9	284.6	263.9	254.4
586.1	12.5°	579.3	569.8	537.4	465.0	373.3	291.7	238.7	214.0	209.7	209.1
604.6	15°	598.4	587.9	540.2	424.7	305.2	222.0	197.7	198.0	201.4	203.3
624.6	17.5°	619.6	609.2	536.2	375.4	238.1	189.7	189.1	191.9	196.8	198.6
643.0	20°	641.2	631.3	522.0	317.5	192.5	180.8	183.2	186.3	191.3	193.7
661.2	22.5°	663.4	654.8	499.5	255.9	173.7	174.3	177.4	180.5	186.0	188.8
679.1	25°	687.1	679.7	469.7	205.1	165.7	167.5	171.5	175.2	181.1	184.5
694.2	27.5°	711.1	705.6	435.8	171.2	158.3	160.5	165.1	170.0	175.9	179.9
707.4	30°	737.3	734.2	408.7	158.6	151.2	153.1	158.3	163.8	170.3	175.2
720.7	32.5°	764.1	763.5	395.4	167.8	144.7	146.0	150.6	156.1	164.1	170.3
731.7	35°	790.6	791.8	387.7	194.0	142.6	139.2	142.3	147.2	156.8	164.5
744.4	37.5°	824.4	827.5	387.4	222.4	147.8	132.4	134.6	138.0	146.3	155.2
764.1	40°	875.0	891.3	407.1	246.7	157.1	126.3	126.9	127.5	131.8	139.2
790.3	42.5°	942.1	989.8	478.3	263.3	160.8	120.7	118.6	115.2	114.6	118.6
826.0	45°	1025.6	1109.0	603.3	272.6	157.1	114.6	108.7	99.8	96.4	99.2
874.3	47.5°	1123.8	1239.6	751.5	274.7	150.9	106.9	96.4	84.7	81.9	82.8
939.3	50°	1219.6	1337.5	881.7	256.8	140.7	97.0	82.8	73.0	71.1	71.4
1016.0	52.5°	1304.3	1371.1	918.7	214.7	127.2	85.0	71.1	64.4	63.1	63.1
1100.7	55°	1360.3	1334.8	819.2	164.1	110.3	72.7	61.0	57.6	57.0	56.7
1195.2	57.5°	1372.0	1216.5	618.7	118.6	86.2	61.3	54.2	52.4	51.1	49.9
1292.3	60°	1330.1	1019.4	393.9	82.8	64.7	52.4	48.0	46.8	44.3	41.9
1383.4	62.5°	1239.6	769.9	218.0	57.6	52.0	44.7	42.5	41.0	36.3	32.3
1455.8	65°	1117.9	511.9	96.4	45.0	42.5	37.6	36.3	34.2	28.6	24.0
1483.2	67.5°	995.7	294.7	43.4	36.0	34.2	30.8	29.9	28.3	24.3	20.0
1413.3	70°	856.2	149.4	29.9	28.6	26.5	23.4	24.3	24.0	20.0	16.3
1152.7	72.5°	637.5	74.2	22.5	21.6	19.1	16.6	20.0	19.7	15.7	12.3
710.8	75°	360.9	36.6	16.3	15.1	11.4	12.3	16.0	15.1	10.8	8.0
300.0	77.5°	143.2	18.8	10.8	9.2	6.8	8.3	11.7	10.2	5.5	3.4
57.3	80°	33.0	9.2	5.5	4.0	3.1	4.9	6.2	3.7	1.5	0.3
15.4	82.5°	9.2	4.0	1.8	1.5	1.5	1.8	1.5	0.6	0.0	0.0
4.0	85°	3.1	1.8	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.2	87.5°	1.2	0.6	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

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180°
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541.4
515.5
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