

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: P846102

Luminaire Tested: **GLAN-SB1C-827-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846102
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-827-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 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: 4170 lumens
Efficiency: N/A
Efficacy: 76.7 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

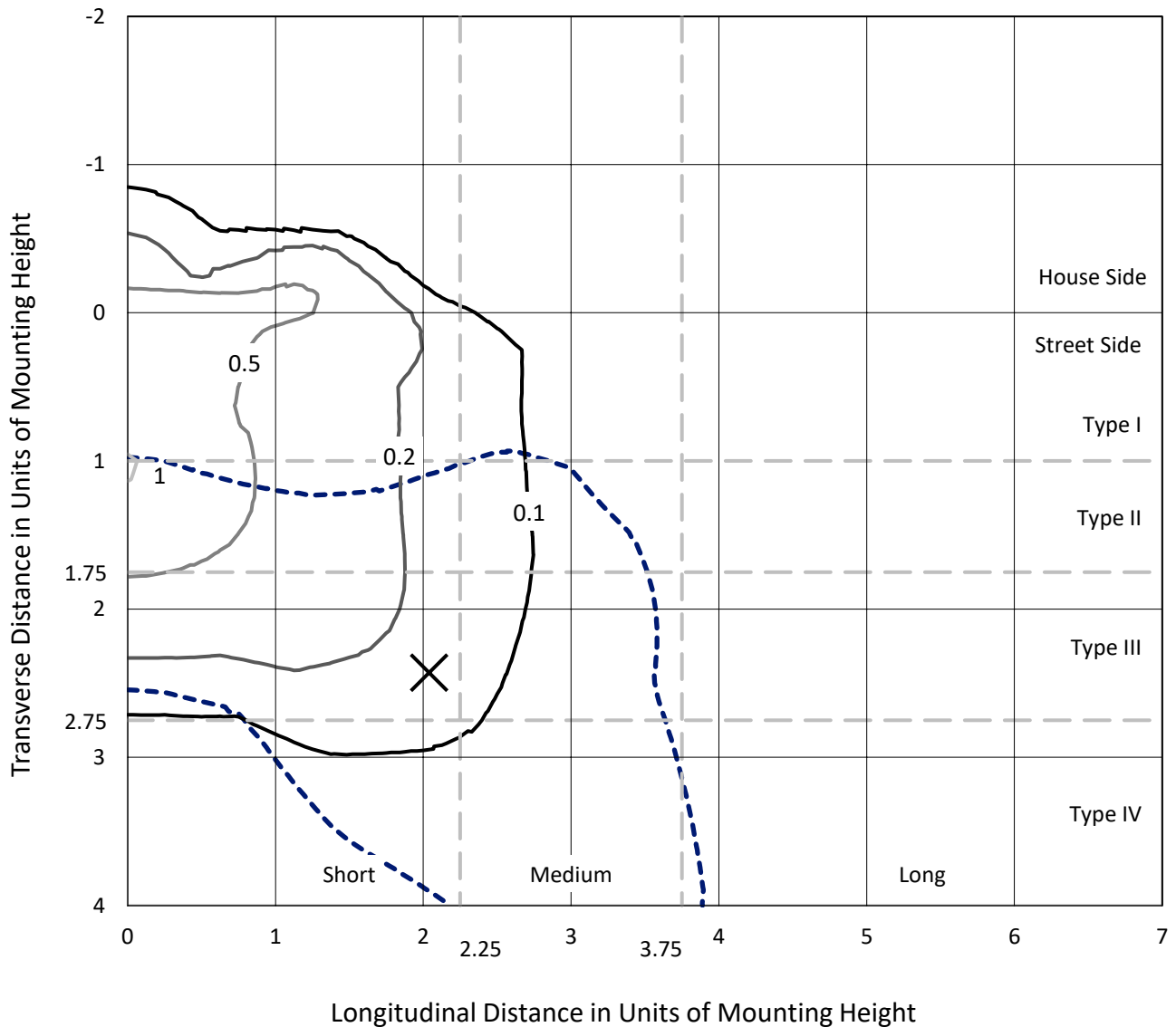
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

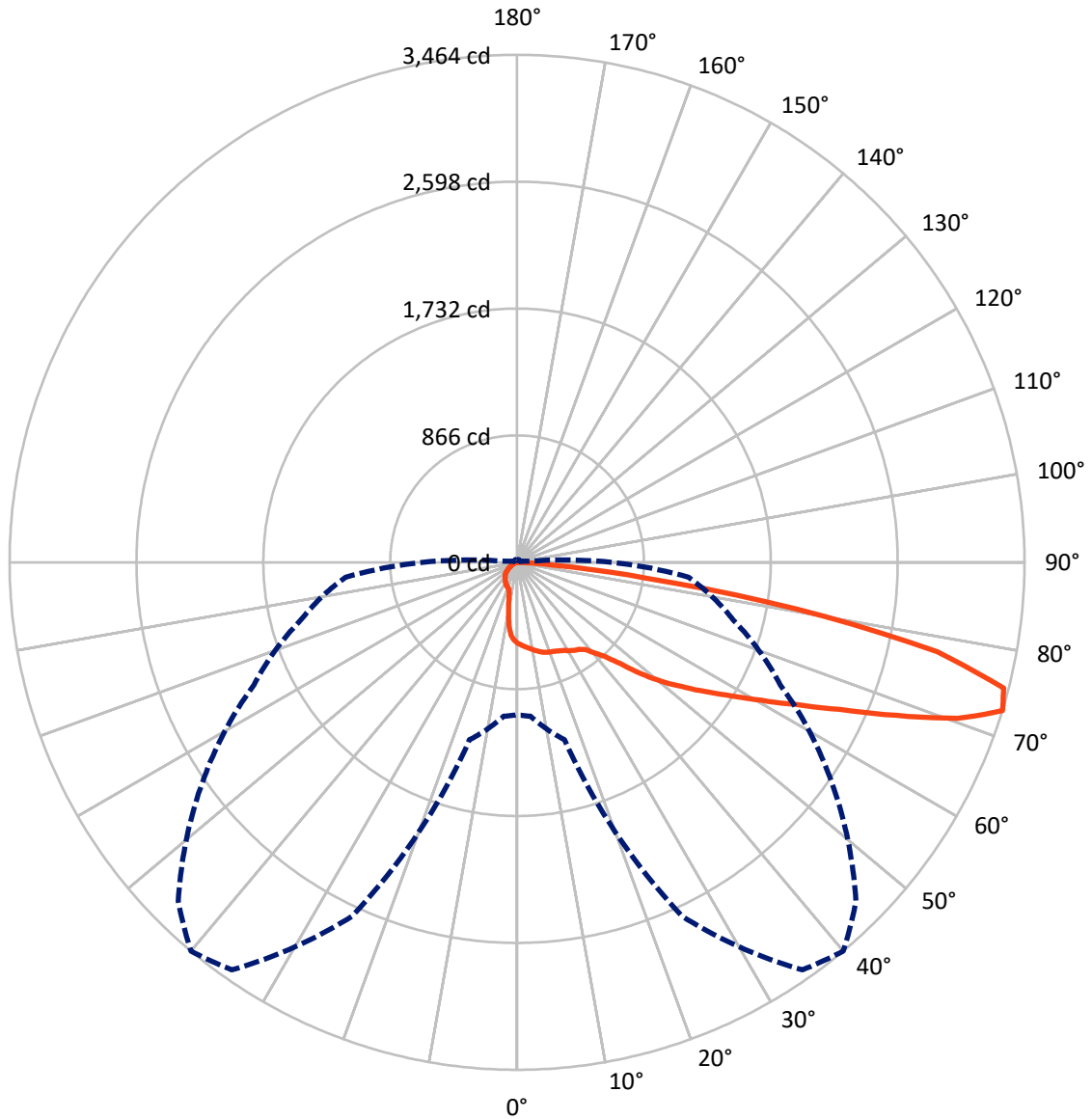
× Max cd
 - - - 1/2 Max cd



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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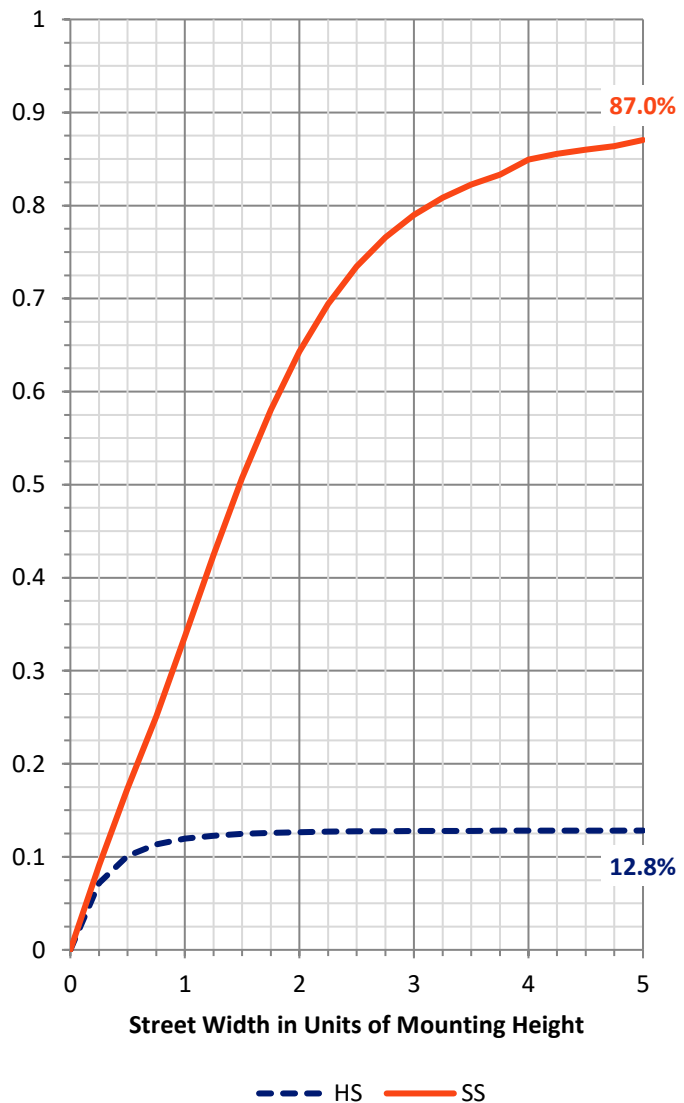
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.5	0.0	538.5
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3631.5	0.0	3631.5
	% Fixture	87.1	0.0	87.1
Total	Lumens	4170.0	0.0	4170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.2
10°-20°	136.9	3.3
20°-30°	221.6	5.3
30°-40°	327.1	7.8
40°-50°	550.6	13.2
50°-60°	854.9	20.5
60°-70°	1069.7	25.7
70°-80°	875.8	21.0
80°-90°	83.0	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°	4170.0	100.0
0°-180°	4170.0	100.0

Coefficient of Utilization



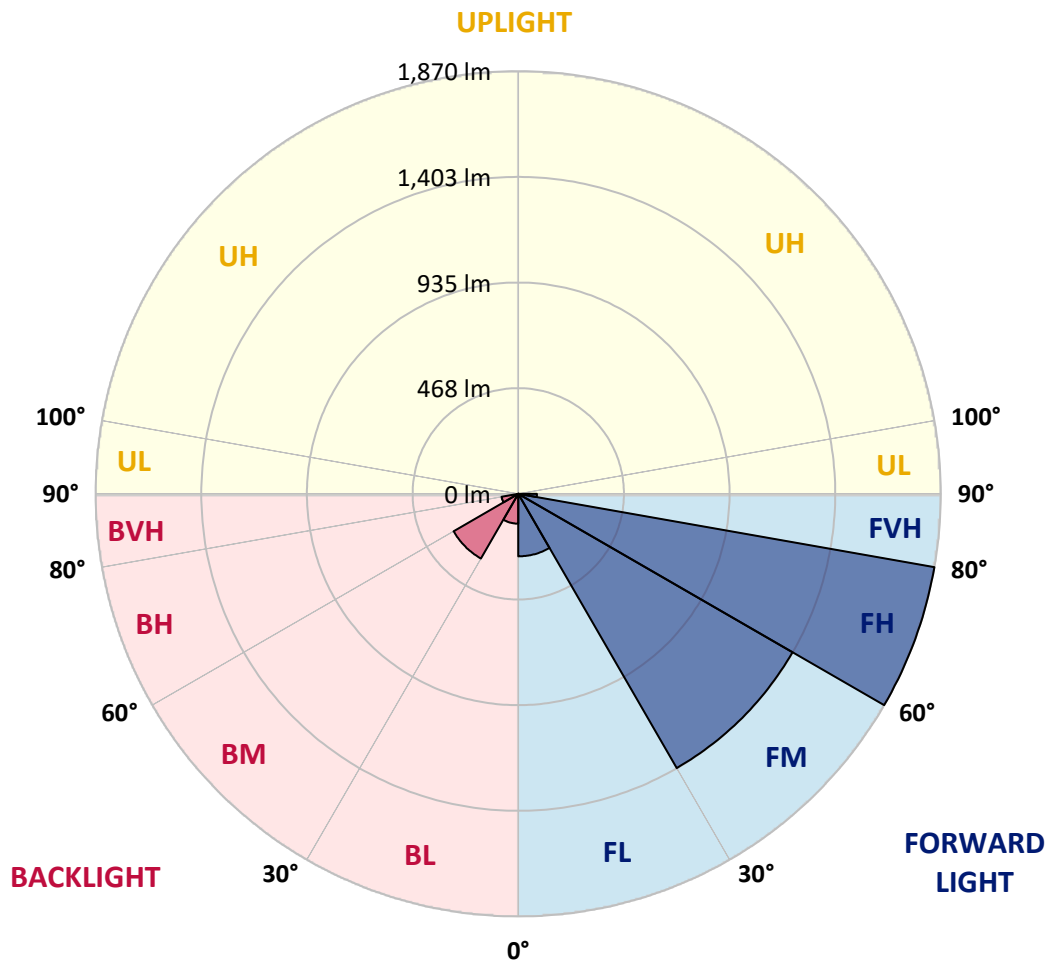
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.8	6.6			
FM (30°-60°)	1401.9	33.6			
FH (60°-80°)	1870.4	44.9			G2/5000
FVH (80°-90°)	82.4	2.0			G1/100
BL (0°-30°)	132.2	3.2	B1/500		
BM (30°-60°)	330.7	7.9	B1/1000		
BH (60°-80°)	75.0	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°	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1
2.5°	568.8	571.0	569.7	567.2	566.6	565.3	563.8	563.1	560.9	559.1
5°	584.8	587.0	585.4	582.0	580.4	578.8	576.6	574.8	570.4	566.3
7.5°	602.4	604.3	602.4	597.4	594.9	593.0	589.8	587.0	582.0	576.0
10°	621.9	623.4	620.6	614.0	609.9	607.1	604.3	601.1	596.4	589.8
12.5°	640.1	642.0	637.6	629.7	625.0	622.2	619.0	616.5	611.8	605.5
15°	656.7	659.6	652.0	643.5	638.2	636.0	632.9	631.3	628.1	623.8
17.5°	669.3	671.2	663.3	653.3	647.3	645.7	643.5	644.5	643.9	641.7
20°	680.0	681.2	670.9	658.6	652.0	652.3	651.7	654.8	656.1	656.1
22.5°	693.2	693.5	680.3	664.9	657.0	659.2	660.2	663.6	666.2	668.7
25°	710.4	709.8	694.1	673.1	666.2	669.3	671.5	672.7	675.6	679.7
27.5°	736.2	734.3	714.2	686.3	678.1	680.9	685.0	684.4	683.1	686.3
30°	768.9	766.3	739.6	704.8	697.2	699.8	701.0	695.4	686.3	689.1
32.5°	820.7	816.3	779.2	725.5	713.9	716.7	715.1	703.5	690.0	692.8
35°	910.8	900.1	847.7	768.9	732.7	729.6	725.8	714.5	697.9	695.0
37.5°	1102.4	1083.6	994.0	853.3	775.4	755.0	743.4	732.1	706.4	695.0
40°	1318.5	1299.3	1196.0	994.7	846.4	811.9	784.2	752.8	715.1	699.1
42.5°	1544.0	1522.9	1416.8	1169.9	947.9	876.9	825.4	769.5	729.6	711.7
45°	1795.9	1769.5	1630.7	1352.7	1095.2	984.9	891.7	803.7	754.7	734.0
47.5°	2061.6	2027.3	1843.9	1530.2	1253.8	1134.4	1012.9	865.0	791.8	767.3
50°	2297.1	2263.2	2064.1	1715.8	1402.0	1276.7	1151.1	949.8	847.4	814.4
52.5°	2466.4	2440.7	2264.5	1907.4	1556.2	1410.2	1276.4	1048.4	917.7	874.7
55°	2579.8	2556.2	2406.4	2088.9	1735.6	1557.2	1399.8	1155.5	1002.5	946.9
57.5°	2648.6	2635.1	2509.1	2251.0	1913.3	1718.0	1541.2	1273.3	1102.4	1032.0
60°	2673.1	2662.1	2572.9	2405.5	2128.2	1911.1	1707.3	1406.1	1223.6	1128.8
62.5°	2607.8	2610.0	2618.7	2588.6	2354.6	2137.3	1906.4	1565.7	1358.1	1238.4
65°	2300.3	2318.5	2485.6	2791.5	2654.6	2420.6	2159.9	1760.4	1512.0	1363.1
67.5°	1904.5	1930.9	2138.8	2910.2	2974.3	2788.3	2512.9	2008.5	1695.4	1490.0
70°	1457.9	1486.2	1738.1	2885.4	3273.6	3190.4	2949.5	2324.1	1885.4	1577.9
72.5°	1040.5	1055.0	1253.5	2664.6	3396.4	3464.2	3271.1	2623.1	1982.4	1529.2
75°	731.2	728.7	860.2	2145.8	3205.1	3430.9	3158.3	2461.4	1794.0	1214.8
77.5°	318.5	319.1	429.7	1303.1	2558.1	2930.3	2625.3	1541.8	1250.6	643.9
80°	82.6	85.1	157.7	518.8	1540.2	1934.1	1601.1	677.8	577.9	157.0
82.5°	29.2	31.1	72.6	163.0	568.2	886.9	712.9	216.7	150.8	44.9
85°	8.5	10.1	38.9	49.9	117.5	250.6	173.1	42.1	37.1	23.2
87.5°	0.0	1.3	7.9	6.9	6.9	4.7	8.8	4.7	6.0	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°
552.1	0°	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1
556.9	2.5°	555.0	552.8	548.1	543.0	538.3	533.9	532.7	528.0	525.8	526.1
561.2	5°	557.8	553.7	544.6	533.6	522.3	509.4	498.7	483.7	470.8	469.2
569.7	7.5°	565.3	558.7	544.0	522.6	494.4	458.9	425.9	393.2	374.7	364.6
582.3	10°	577.0	568.2	545.5	504.7	444.7	381.3	331.3	290.2	269.2	259.4
597.7	12.5°	590.8	581.0	548.1	474.3	380.7	297.4	243.4	218.3	213.9	213.3
616.5	15°	610.2	599.6	550.9	433.1	311.2	226.4	201.6	201.9	205.4	207.3
636.9	17.5°	631.9	621.2	546.8	382.9	242.8	193.5	192.8	195.7	200.7	202.6
655.8	20°	653.9	643.9	532.4	323.8	196.3	184.4	186.9	190.0	195.0	197.6
674.3	22.5°	676.5	667.7	509.4	261.0	177.1	177.8	180.9	184.0	189.7	192.5
692.5	25°	700.7	693.2	479.0	209.2	169.0	170.9	174.9	178.7	184.7	188.1
707.9	27.5°	725.2	719.5	444.4	174.6	161.4	163.6	168.3	173.4	179.3	183.4
721.4	30°	751.9	748.8	416.8	161.7	154.2	156.1	161.4	167.1	173.7	178.7
734.9	32.5°	779.2	778.6	403.3	171.2	147.6	148.9	153.6	159.2	167.4	173.7
746.2	35°	806.2	807.5	395.4	197.9	145.4	142.0	145.1	150.1	159.9	167.7
759.1	37.5°	840.8	843.9	395.1	226.8	150.8	135.1	137.3	140.7	149.2	158.3
779.2	40°	892.3	908.9	415.2	251.6	160.2	128.8	129.4	130.0	134.4	142.0
805.9	42.5°	960.8	1009.4	487.8	268.5	163.9	123.1	120.9	117.5	116.8	120.9
842.3	45°	1045.9	1131.0	615.3	278.0	160.2	116.8	110.9	101.8	98.3	101.1
891.7	47.5°	1146.1	1264.1	766.3	280.2	153.9	109.0	98.3	86.4	83.5	84.5
957.9	50°	1243.7	1364.0	899.2	261.9	143.5	98.9	84.5	74.4	72.6	72.9
1036.1	52.5°	1330.1	1398.3	936.9	218.9	129.7	86.7	72.6	65.6	64.4	64.4
1122.5	55°	1387.3	1361.2	835.4	167.4	112.4	74.1	62.2	58.7	58.1	57.8
1218.9	57.5°	1399.2	1240.6	631.0	120.9	87.9	62.5	55.3	53.4	52.1	50.9
1317.9	60°	1356.5	1039.6	401.7	84.5	66.0	53.4	49.0	47.7	45.2	42.7
1410.8	62.5°	1264.1	785.2	222.4	58.7	53.1	45.5	43.3	41.8	37.1	33.0
1484.6	65°	1140.1	522.0	98.3	45.9	43.3	38.3	37.1	34.9	29.2	24.5
1512.6	67.5°	1015.4	300.6	44.3	36.7	34.9	31.4	30.5	28.9	24.8	20.4
1441.3	70°	873.1	152.3	30.5	29.2	27.0	23.9	24.8	24.5	20.4	16.6
1175.6	72.5°	650.1	75.7	22.9	22.0	19.5	17.0	20.4	20.1	16.0	12.6
724.9	75°	368.1	37.4	16.6	15.4	11.6	12.6	16.3	15.4	11.0	8.2
305.9	77.5°	146.0	19.2	11.0	9.4	6.9	8.5	11.9	10.4	5.7	3.5
58.4	80°	33.6	9.4	5.7	4.1	3.1	5.0	6.3	3.8	1.6	0.3
15.7	82.5°	9.4	4.1	1.9	1.6	1.6	1.9	1.6	0.6	0.0	0.0
4.1	85°	3.1	1.9	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.3	87.5°	1.3	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°
552.1
525.8
468.3
364.0
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212.9
207.0
202.3
197.6
192.5
188.1
183.7
179.3
174.3
169.0
159.9
144.5
123.1
101.1
84.2
72.9
64.1
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