

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: P846162

Luminaire Tested: **GLAN-SB1C-930-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846162
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-930-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 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: 3528 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

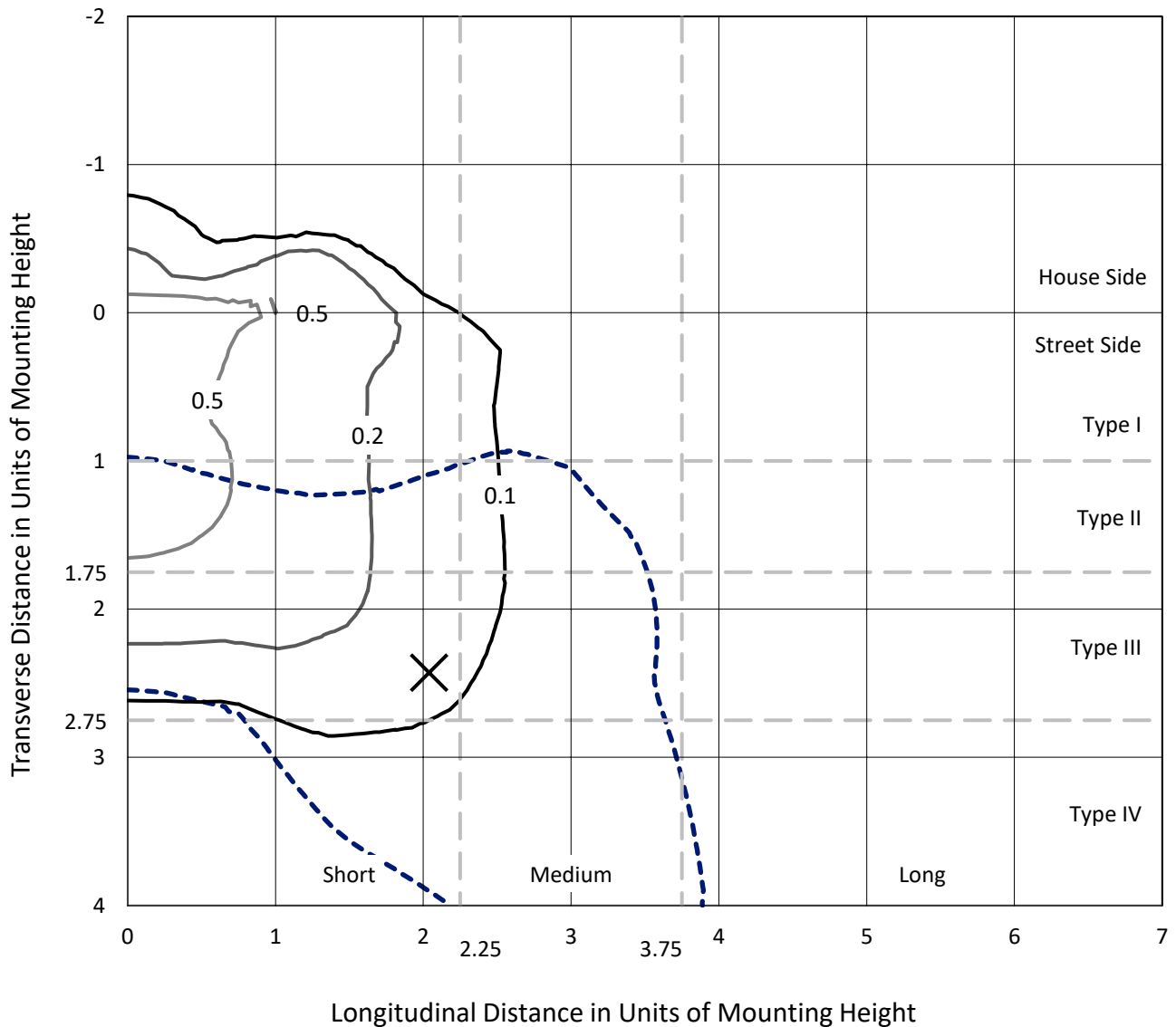
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

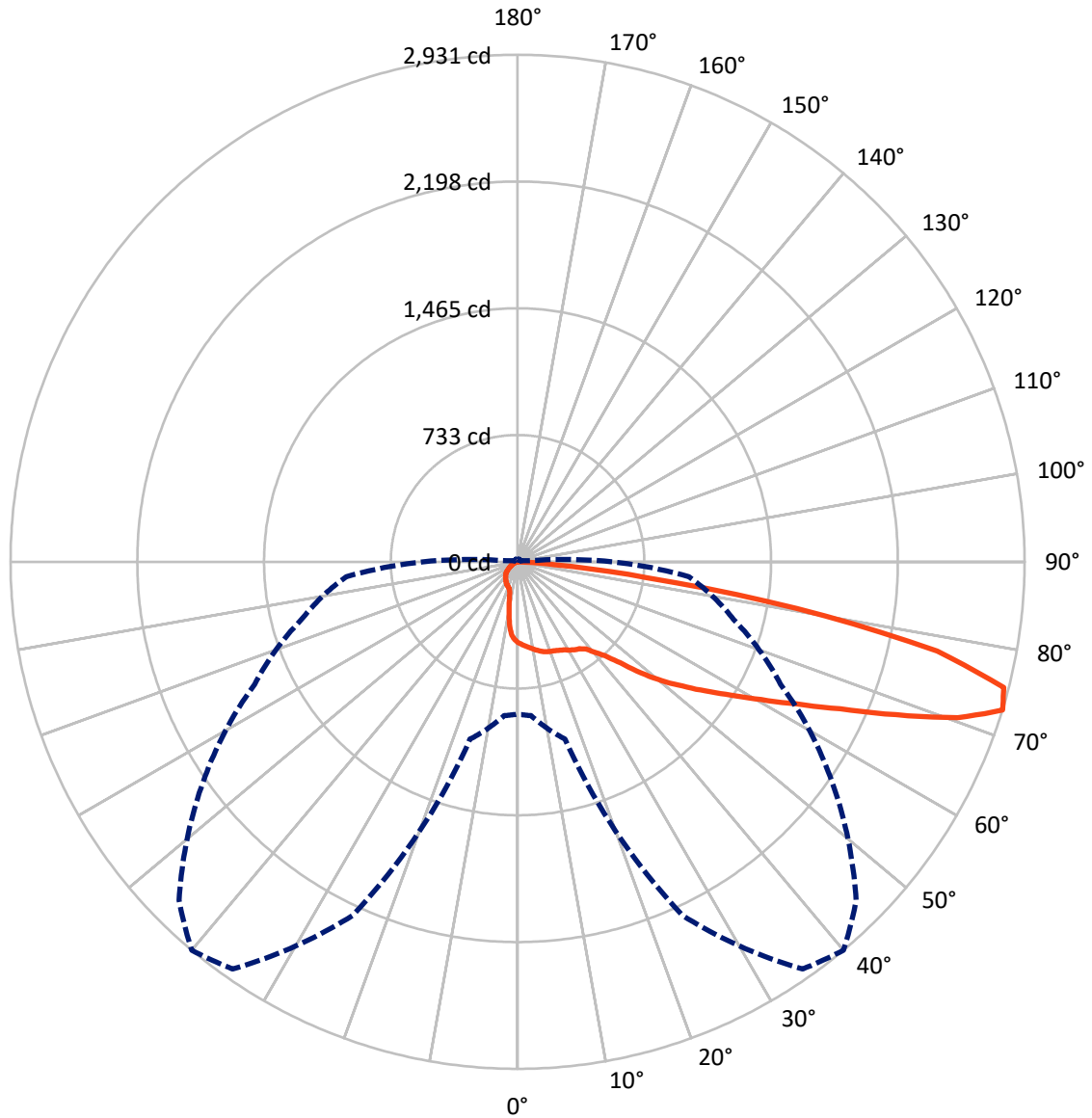
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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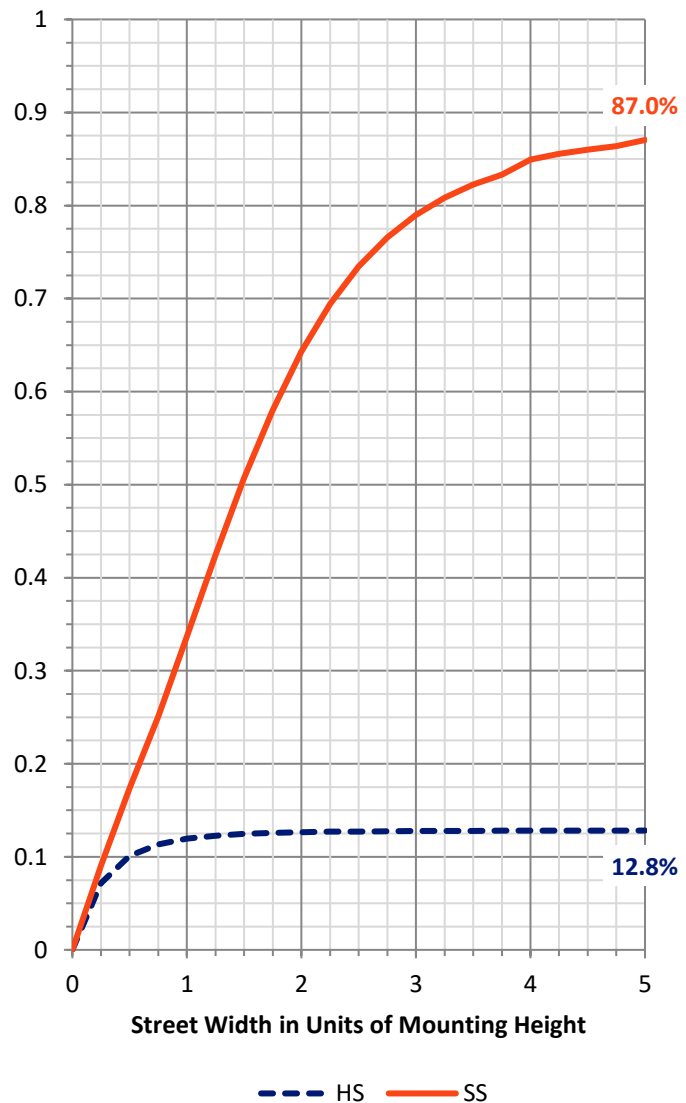
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.6	0.0	455.6
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3072.4	0.0	3072.4
	% Fixture	87.1	0.0	87.1
Total	Lumens	3528.0	0.0	3528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.2
10°-20°	115.9	3.3
20°-30°	187.5	5.3
30°-40°	276.8	7.8
40°-50°	465.8	13.2
50°-60°	723.3	20.5
60°-70°	905.0	25.7
70°-80°	740.9	21.0
80°-90°	70.3	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°	3528.0	100.0
0°-180°	3528.0	100.0

Coefficient of Utilization



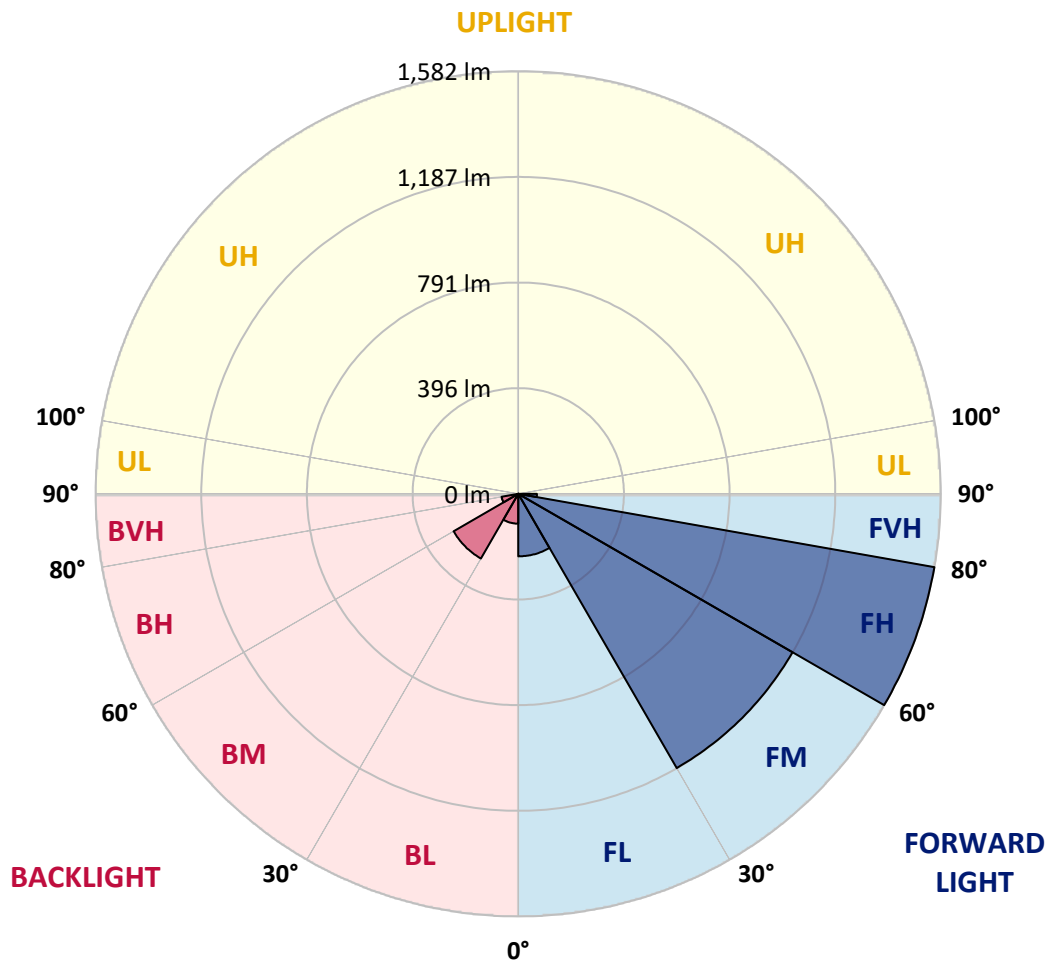
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	234.2	6.6			
FM (30°-60°)	1186.1	33.6			
FH (60°-80°)	1582.5	44.9			G1/1800
FVH (80°-90°)	69.7	2.0			G1/100
BL (0°-30°)	111.8	3.2	B1/500		
BM (30°-60°)	279.8	7.9	B1/1000		
BH (60°-80°)	63.5	1.8	B0/110		G0/110
BVH (80°-90°)	0.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1
2.5°	481.2	483.1	482.0	479.9	479.4	478.3	477.0	476.4	474.6	473.0
5°	494.8	496.6	495.3	492.4	491.1	489.7	487.9	486.3	482.5	479.1
7.5°	509.7	511.2	509.7	505.4	503.3	501.7	499.0	496.6	492.4	487.3
10°	526.1	527.5	525.1	519.5	516.0	513.6	511.2	508.6	504.6	499.0
12.5°	541.5	543.1	539.4	532.8	528.8	526.4	523.7	521.6	517.6	512.3
15°	555.6	558.0	551.6	544.5	539.9	538.1	535.4	534.1	531.4	527.7
17.5°	566.2	567.8	561.2	552.7	547.6	546.3	544.5	545.3	544.7	542.9
20°	575.3	576.3	567.6	557.2	551.6	551.9	551.4	554.0	555.1	555.1
22.5°	586.4	586.7	575.5	562.5	555.9	557.7	558.5	561.5	563.6	565.7
25°	601.1	600.5	587.2	569.4	563.6	566.2	568.1	569.2	571.6	575.0
27.5°	622.8	621.3	604.2	580.6	573.7	576.1	579.5	579.0	577.9	580.6
30°	650.5	648.4	625.8	596.3	589.9	592.0	593.1	588.3	580.6	583.0
32.5°	694.3	690.6	659.3	613.8	604.0	606.4	605.0	595.2	583.8	586.2
35°	770.6	761.6	717.2	650.5	619.9	617.3	614.1	604.5	590.4	588.0
37.5°	932.7	916.7	841.0	722.0	656.1	638.8	629.0	619.4	597.6	588.0
40°	1115.5	1099.3	1011.9	841.5	716.1	686.9	663.5	636.9	605.0	591.5
42.5°	1306.3	1288.5	1198.7	989.8	801.9	741.9	698.3	651.0	617.3	602.1
45°	1519.4	1497.1	1379.6	1144.5	926.6	833.3	754.4	680.0	638.5	621.0
47.5°	1744.2	1715.2	1560.0	1294.6	1060.8	959.8	856.9	731.8	669.9	649.2
50°	1943.5	1914.8	1746.3	1451.6	1186.2	1080.2	973.9	803.5	716.9	689.0
52.5°	2086.7	2064.9	1915.8	1613.7	1316.6	1193.1	1079.9	887.0	776.4	740.0
55°	2182.6	2162.7	2035.9	1767.3	1468.4	1317.4	1184.3	977.6	848.2	801.1
57.5°	2240.8	2229.4	2122.8	1904.4	1618.8	1453.5	1303.9	1077.2	932.7	873.2
60°	2261.5	2252.2	2176.8	2035.1	1800.5	1616.9	1444.5	1189.6	1035.2	955.0
62.5°	2206.3	2208.1	2215.6	2190.1	1992.1	1808.2	1612.9	1324.6	1149.0	1047.7
65°	1946.1	1961.5	2102.9	2361.7	2245.9	2047.9	1827.4	1489.4	1279.2	1153.2
67.5°	1611.3	1633.6	1809.6	2462.2	2516.4	2359.1	2126.0	1699.3	1434.4	1260.6
70°	1233.5	1257.4	1470.5	2441.2	2769.6	2699.2	2495.4	1966.3	1595.1	1335.0
72.5°	880.3	892.6	1060.5	2254.4	2873.5	2930.9	2767.5	2219.3	1677.2	1293.8
75°	618.6	616.5	727.8	1815.4	2711.7	2902.7	2672.1	2082.4	1517.8	1027.8
77.5°	269.4	270.0	363.5	1102.5	2164.3	2479.2	2221.2	1304.4	1058.1	544.7
80°	69.9	72.0	133.4	439.0	1303.1	1636.3	1354.6	573.4	488.9	132.9
82.5°	24.7	26.3	61.4	137.9	480.7	750.4	603.2	183.3	127.5	38.0
85°	7.2	8.5	32.9	42.2	99.4	212.0	146.4	35.6	31.4	19.7
87.5°	0.0	1.1	6.6	5.8	5.8	4.0	7.4	4.0	5.0	2.4
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°
467.1	0°	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1	467.1
471.1	2.5°	469.5	467.7	463.7	459.4	455.4	451.7	450.7	446.7	444.8	445.1
474.8	5°	471.9	468.5	460.8	451.5	441.9	431.0	422.0	409.2	398.3	397.0
482.0	7.5°	478.3	472.7	460.2	442.2	418.2	388.2	360.3	332.7	317.0	308.5
492.6	10°	488.1	480.7	461.6	427.0	376.3	322.6	280.3	245.5	227.7	219.5
505.7	12.5°	499.8	491.6	463.7	401.2	322.1	251.6	205.9	184.7	181.0	180.4
521.6	15°	516.3	507.3	466.1	366.4	263.3	191.6	170.6	170.9	173.8	175.4
538.9	17.5°	534.6	525.6	462.6	323.9	205.4	163.7	163.2	165.5	169.8	171.4
554.8	20°	553.2	544.7	450.4	274.0	166.1	156.0	158.1	160.8	165.0	167.1
570.5	22.5°	572.4	564.9	431.0	220.8	149.9	150.4	153.1	155.7	160.5	162.9
585.9	25°	592.8	586.4	405.2	177.0	143.0	144.6	148.0	151.2	156.2	159.2
598.9	27.5°	613.5	608.8	376.0	147.7	136.6	138.4	142.4	146.7	151.7	155.2
610.4	30°	636.1	633.5	352.6	136.8	130.5	132.1	136.6	141.4	146.9	151.2
621.8	32.5°	659.3	658.7	341.2	144.8	124.9	126.0	129.9	134.7	141.6	146.9
631.4	35°	682.1	683.2	334.5	167.4	123.0	120.1	122.8	127.0	135.3	141.9
642.2	37.5°	711.3	714.0	334.3	191.8	127.5	114.3	116.1	119.0	126.2	133.9
659.3	40°	754.9	769.0	351.3	212.8	135.5	108.9	109.5	110.0	113.7	120.1
681.8	42.5°	812.8	854.0	412.7	227.2	138.7	104.2	102.3	99.4	98.8	102.3
712.7	45°	884.8	956.9	520.5	235.2	135.5	98.8	93.8	86.1	83.2	85.6
754.4	47.5°	969.6	1069.5	648.4	237.0	130.2	92.2	83.2	73.1	70.7	71.5
810.4	50°	1052.3	1154.0	760.8	221.6	121.4	83.7	71.5	63.0	61.4	61.6
876.6	52.5°	1125.3	1183.0	792.6	185.2	109.7	73.3	61.4	55.5	54.5	54.5
949.7	55°	1173.7	1151.6	706.8	141.6	95.1	62.7	52.6	49.7	49.2	48.9
1031.3	57.5°	1183.8	1049.6	533.8	102.3	74.4	52.9	46.8	45.2	44.1	43.0
1115.0	60°	1147.6	879.5	339.9	71.5	55.8	45.2	41.5	40.4	38.3	36.1
1193.6	62.5°	1069.5	664.3	188.1	49.7	44.9	38.5	36.7	35.3	31.4	27.9
1256.1	65°	964.6	441.6	83.2	38.8	36.7	32.4	31.4	29.5	24.7	20.7
1279.7	67.5°	859.1	254.3	37.5	31.1	29.5	26.6	25.8	24.4	21.0	17.3
1219.4	70°	738.7	128.9	25.8	24.7	22.9	20.2	21.0	20.7	17.3	14.1
994.6	72.5°	550.0	64.0	19.4	18.6	16.5	14.3	17.3	17.0	13.6	10.6
613.3	75°	311.4	31.6	14.1	13.0	9.8	10.6	13.8	13.0	9.3	6.9
258.8	77.5°	123.6	16.2	9.3	8.0	5.8	7.2	10.1	8.8	4.8	2.9
49.4	80°	28.4	8.0	4.8	3.5	2.7	4.3	5.3	3.2	1.3	0.3
13.3	82.5°	8.0	3.5	1.6	1.3	1.3	1.6	1.3	0.5	0.0	0.0
3.5	85°	2.7	1.6	0.5	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.1	87.5°	1.1	0.5	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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467.1
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