

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: P846322

Luminaire Tested: **GLAN-SB1D-927-U-SL4-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846322
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-SB1D-927-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA 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: 4576 lumens
Efficiency: N/A
Efficacy: 57.5 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

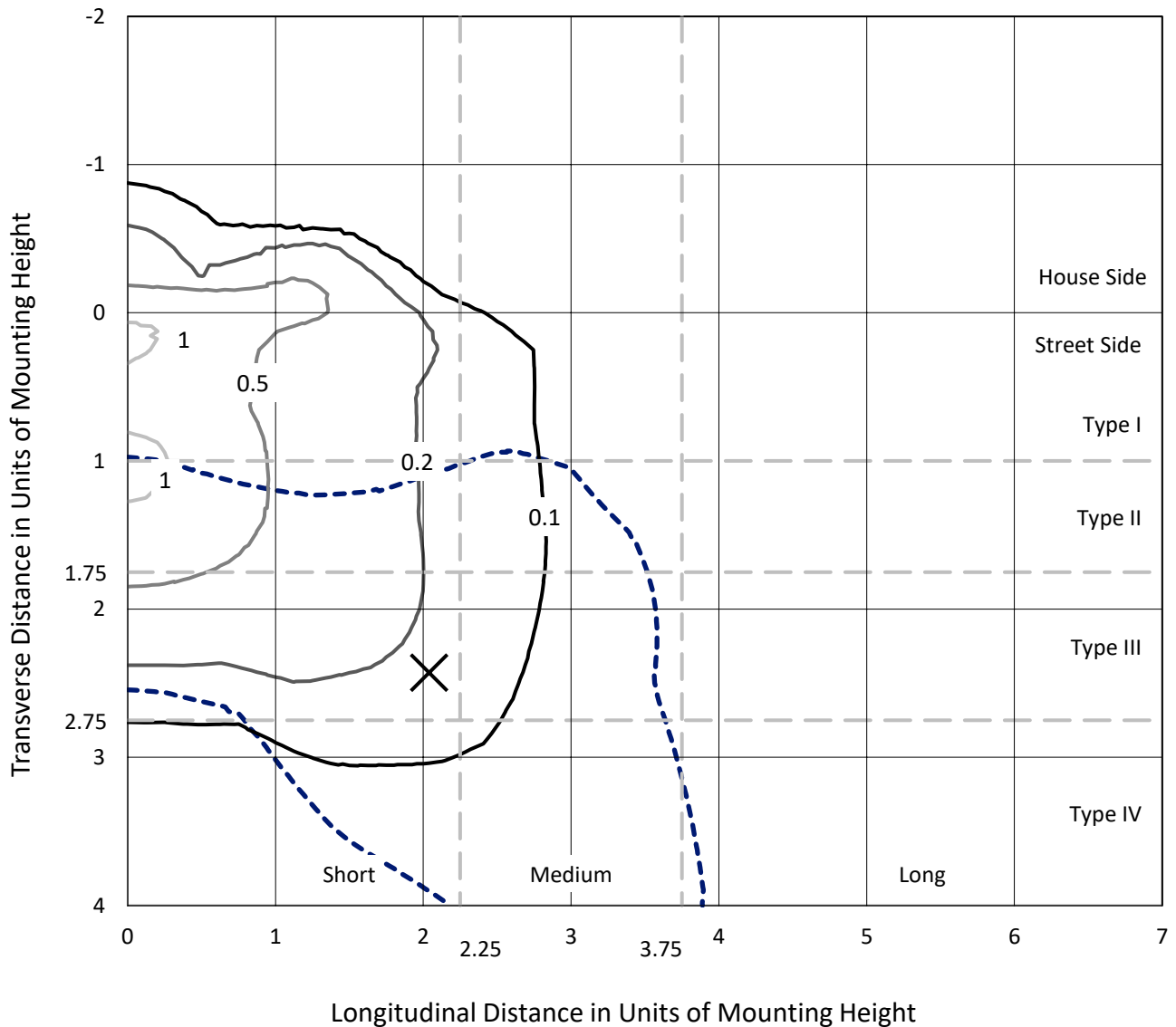
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

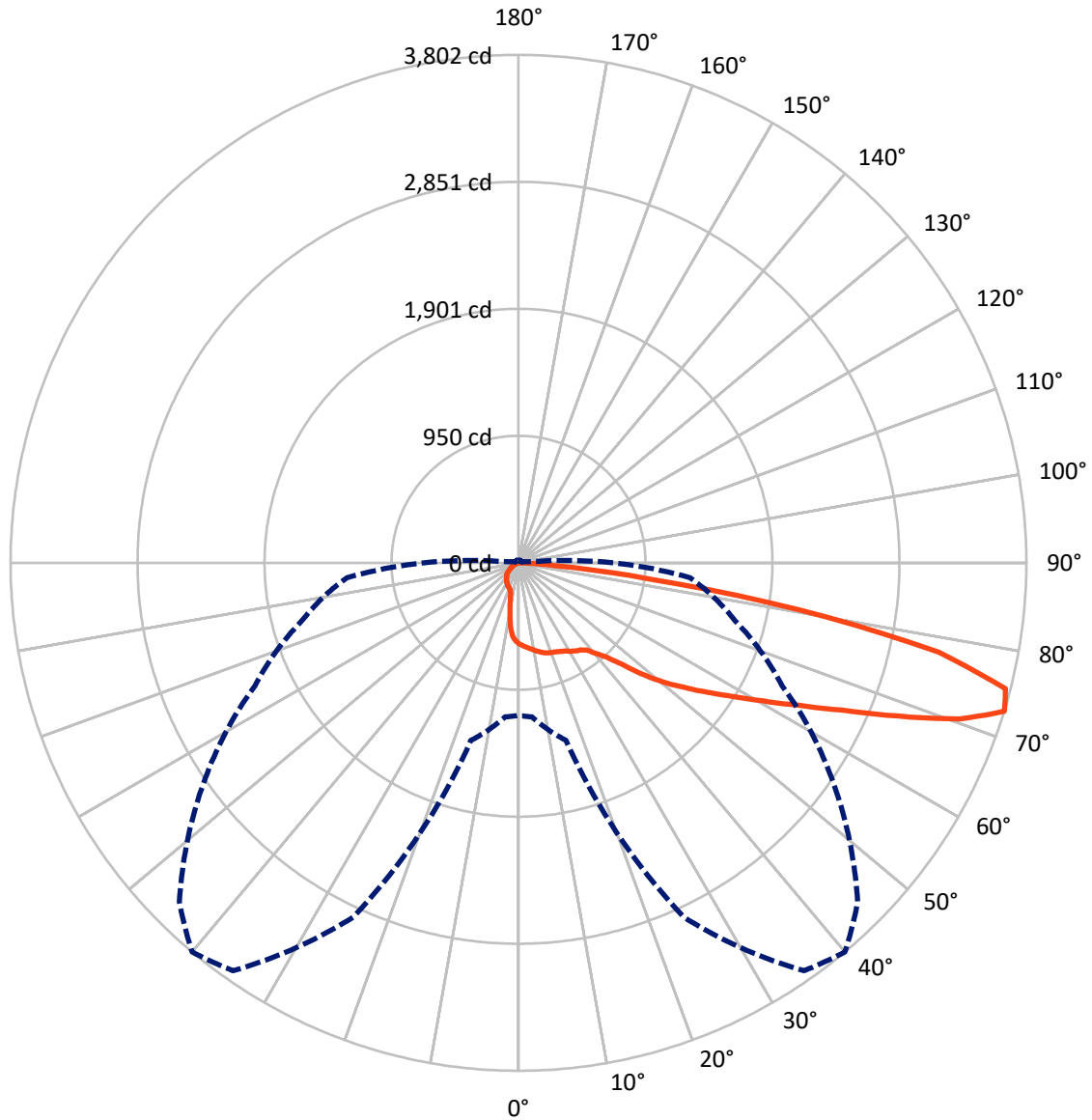
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - 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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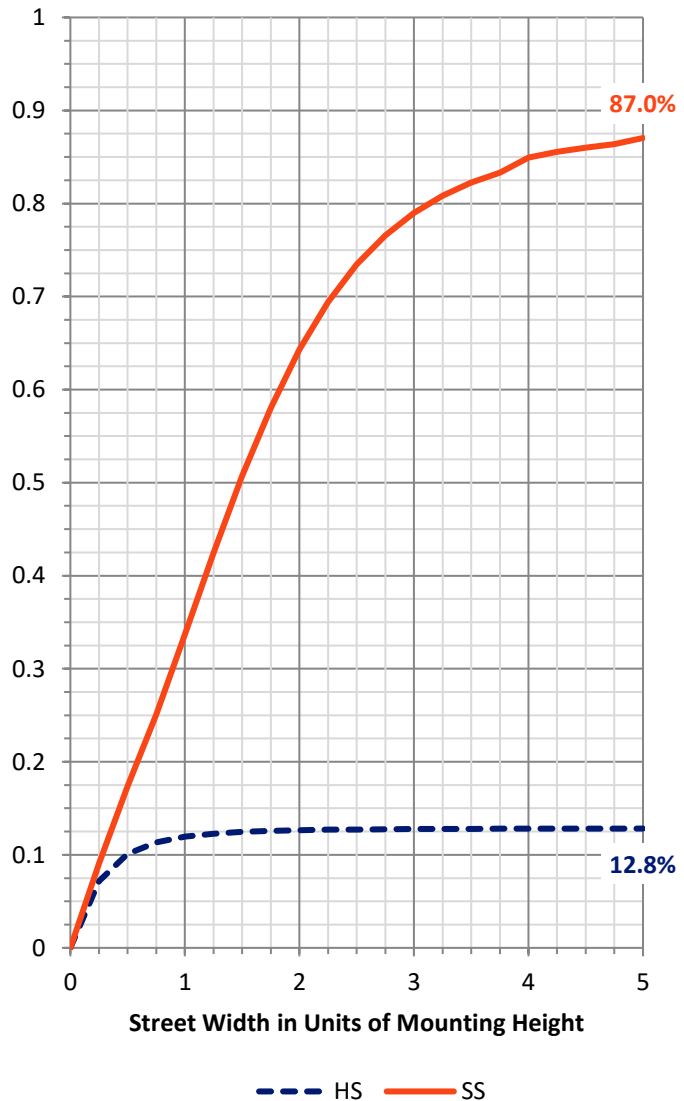
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.9	0.0	590.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	3985.1	0.0	3985.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	4576.0	0.0	4576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.2
10°-20°	150.3	3.3
20°-30°	243.2	5.3
30°-40°	359.0	7.8
40°-50°	604.2	13.2
50°-60°	938.1	20.5
60°-70°	1173.8	25.7
70°-80°	961.0	21.0
80°-90°	91.1	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°	4576.0	100.0
0°-180°	4576.0	100.0

Coefficient of Utilization



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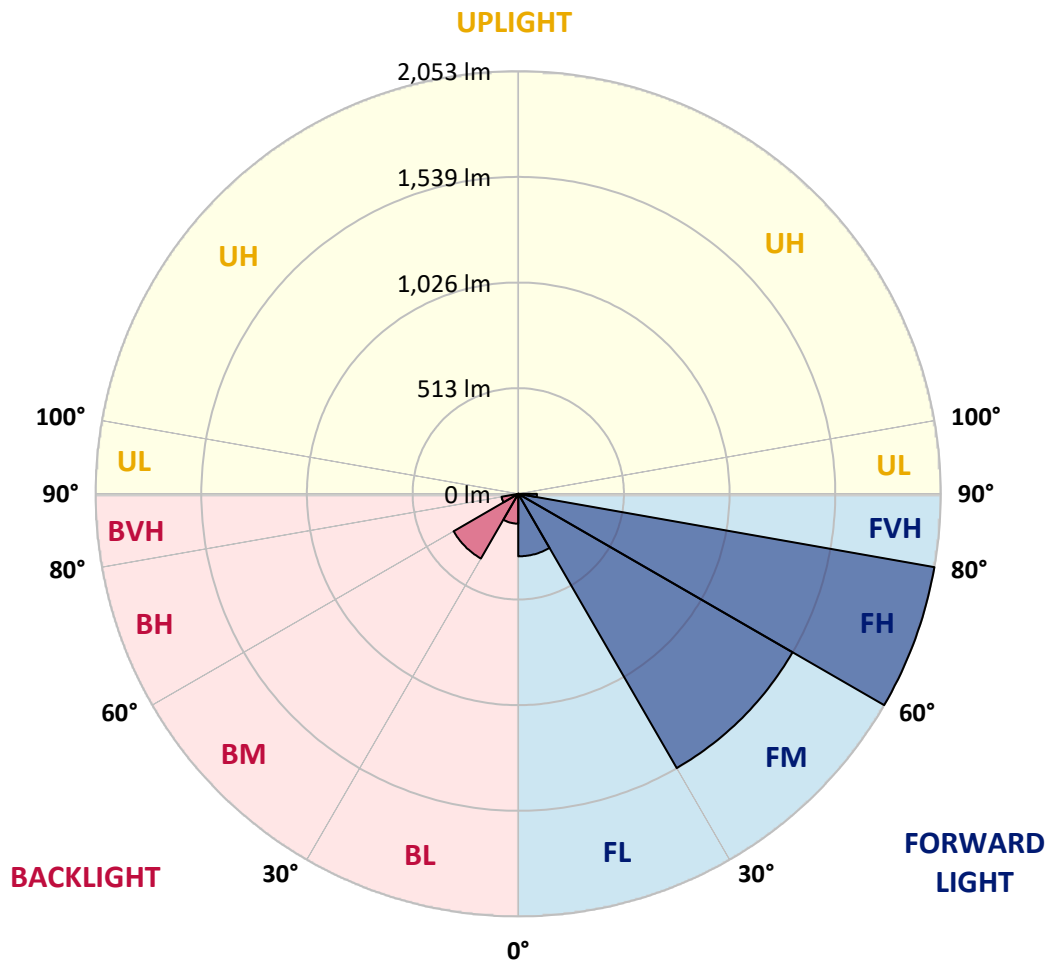
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	303.7	6.6			
FM (30°-60°)	1538.4	33.6			
FH (60°-80°)	2052.5	44.9			G2/5000
FVH (80°-90°)	90.4	2.0			G1/100
BL (0°-30°)	145.0	3.2	B1/500		
BM (30°-60°)	362.9	7.9	B1/1000		
BH (60°-80°)	82.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.7	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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	624.2	626.6	625.2	622.4	621.8	620.4	618.7	618.0	615.5	613.5
5°	641.7	644.2	642.4	638.6	636.9	635.2	632.8	630.7	625.9	621.4
7.5°	661.0	663.1	661.0	655.5	652.8	650.7	647.3	644.2	638.6	632.1
10°	682.4	684.1	681.0	673.8	669.3	666.2	663.1	659.7	654.5	647.3
12.5°	702.4	704.5	699.6	691.0	685.9	682.8	679.3	676.6	671.4	664.5
15°	720.7	723.8	715.5	706.2	700.3	697.9	694.5	692.8	689.3	684.5
17.5°	734.5	736.5	727.9	716.9	710.3	708.6	706.2	707.2	706.5	704.1
20°	746.2	747.6	736.2	722.7	715.5	715.8	715.2	718.6	720.0	720.0
22.5°	760.6	761.0	746.5	729.6	721.0	723.4	724.5	728.3	731.0	733.8
25°	779.6	778.9	761.7	738.6	731.0	734.5	736.9	738.2	741.3	745.8
27.5°	807.9	805.8	783.7	753.1	744.1	747.2	751.7	751.0	749.6	753.1
30°	843.7	841.0	811.7	773.4	765.1	767.9	769.3	763.1	753.1	756.2
32.5°	900.6	895.8	855.1	796.1	783.4	786.5	784.8	772.0	757.2	760.3
35°	999.5	987.8	930.2	843.7	804.1	800.6	796.5	784.1	765.8	762.7
37.5°	1209.7	1189.1	1090.8	936.4	850.9	828.5	815.8	803.4	775.1	762.7
40°	1446.9	1425.8	1312.4	1091.5	928.8	890.9	860.6	826.1	784.8	767.2
42.5°	1694.3	1671.2	1554.7	1283.8	1040.2	962.3	905.7	844.4	800.6	781.0
45°	1970.7	1941.8	1789.4	1484.4	1201.8	1080.8	978.5	882.0	828.2	805.5
47.5°	2262.3	2224.7	2023.5	1679.1	1375.9	1244.9	1111.5	949.2	868.9	842.0
50°	2520.8	2483.6	2265.1	1882.8	1538.5	1401.0	1263.2	1042.2	929.9	893.7
52.5°	2706.6	2678.3	2484.9	2093.1	1707.8	1547.5	1400.7	1150.5	1007.1	959.9
55°	2831.0	2805.1	2640.7	2292.3	1904.6	1708.8	1536.1	1268.0	1100.1	1039.1
57.5°	2906.5	2891.6	2753.4	2470.1	2099.6	1885.3	1691.2	1397.2	1209.7	1132.5
60°	2933.3	2921.3	2823.4	2639.7	2335.4	2097.2	1873.5	1543.0	1342.8	1238.7
62.5°	2861.7	2864.1	2873.7	2840.6	2583.9	2345.4	2092.0	1718.1	1490.3	1359.0
65°	2524.2	2544.2	2727.6	3063.3	2913.0	2656.2	2370.2	1931.8	1659.2	1495.8
67.5°	2090.0	2118.9	2347.1	3193.6	3263.9	3059.8	2757.6	2204.1	1860.4	1635.0
70°	1599.9	1630.9	1907.3	3166.3	3592.3	3501.0	3236.6	2550.4	2069.0	1731.5
72.5°	1141.8	1157.7	1375.5	2924.0	3727.1	3801.5	3589.6	2878.5	2175.4	1678.1
75°	802.4	799.6	944.0	2354.7	3517.2	3765.0	3465.8	2701.0	1968.7	1333.1
77.5°	349.5	350.2	471.5	1430.0	2807.2	3215.6	2881.0	1691.9	1372.4	706.5
80°	90.6	93.4	173.0	569.4	1690.2	2122.4	1757.0	743.8	634.2	172.3
82.5°	32.1	34.1	79.6	178.9	623.5	973.3	782.4	237.8	165.4	49.3
85°	9.3	11.0	42.7	54.8	128.9	275.0	189.9	46.2	40.7	25.5
87.5°	0.0	1.4	8.6	7.6	7.6	5.2	9.7	5.2	6.5	3.1
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°
605.9	0°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
611.1	2.5°	609.0	606.6	601.4	595.9	590.7	585.9	584.5	579.4	576.9	577.3
615.9	5°	612.1	607.6	597.6	585.6	573.2	559.0	547.3	530.8	516.6	514.9
625.2	7.5°	620.4	613.1	596.9	573.5	542.5	503.5	467.3	431.5	411.2	400.1
639.0	10°	633.1	623.5	598.7	553.9	488.0	418.4	363.6	318.5	295.4	284.7
655.9	12.5°	648.3	637.6	601.4	520.4	417.7	326.4	267.1	239.5	234.7	234.0
676.6	15°	669.7	657.9	604.5	475.3	341.6	248.5	221.3	221.6	225.4	227.5
699.0	17.5°	693.4	681.7	600.0	420.1	266.4	212.3	211.6	214.7	220.2	222.3
719.6	20°	717.6	706.5	584.2	355.3	215.4	202.3	205.1	208.5	214.0	216.8
740.0	22.5°	742.4	732.7	559.0	286.4	194.4	195.1	198.5	202.0	208.2	211.3
760.0	25°	768.9	760.6	525.6	229.5	185.4	187.5	192.0	196.1	202.7	206.4
776.8	27.5°	795.8	789.6	487.7	191.6	177.2	179.6	184.7	190.2	196.8	201.3
791.7	30°	825.1	821.7	457.4	177.5	169.2	171.3	177.2	183.4	190.6	196.1
806.5	32.5°	855.1	854.4	442.5	187.8	162.0	163.4	168.5	174.7	183.7	190.6
818.9	35°	884.7	886.1	433.9	217.1	159.6	155.8	159.2	164.7	175.4	184.0
833.0	37.5°	922.6	926.1	433.6	248.8	165.4	148.2	150.6	154.4	163.7	173.7
855.1	40°	979.2	997.4	455.6	276.1	175.8	141.3	142.0	142.7	147.5	155.8
884.4	42.5°	1054.3	1107.7	535.2	294.7	179.9	135.1	132.7	128.9	128.2	132.7
924.4	45°	1147.7	1241.1	675.2	305.0	175.8	128.2	121.7	111.7	107.9	111.0
978.5	47.5°	1257.6	1387.2	841.0	307.4	168.9	119.6	107.9	94.8	91.7	92.7
1051.2	50°	1364.8	1496.8	986.7	287.4	157.5	108.6	92.7	81.7	79.6	80.0
1137.0	52.5°	1459.6	1534.4	1028.1	240.2	142.3	95.1	79.6	72.0	70.7	70.7
1231.8	55°	1522.3	1493.7	916.8	183.7	123.4	81.3	68.2	64.5	63.8	63.4
1337.6	57.5°	1535.4	1361.4	692.4	132.7	96.5	68.6	60.7	58.6	57.2	55.8
1446.2	60°	1488.6	1140.8	440.8	92.7	72.4	58.6	53.8	52.4	49.6	46.9
1548.2	62.5°	1387.2	861.6	244.0	64.5	58.2	50.0	47.6	45.8	40.7	36.2
1629.2	65°	1251.1	572.8	107.9	50.3	47.6	42.0	40.7	38.3	32.1	26.9
1659.8	67.5°	1114.3	329.8	48.6	40.3	38.3	34.5	33.4	31.7	27.2	22.4
1581.6	70°	958.1	167.2	33.4	32.1	29.6	26.2	27.2	26.9	22.4	18.3
1290.0	72.5°	713.4	83.1	25.2	24.1	21.4	18.6	22.4	22.1	17.6	13.8
795.5	75°	403.9	41.0	18.3	16.9	12.8	13.8	17.9	16.9	12.1	9.0
335.7	77.5°	160.3	21.0	12.1	10.3	7.6	9.3	13.1	11.4	6.2	3.8
64.1	80°	36.9	10.3	6.2	4.5	3.4	5.5	6.9	4.1	1.7	0.3
17.2	82.5°	10.3	4.5	2.1	1.7	1.7	2.1	1.7	0.7	0.0	0.0
4.5	85°	3.4	2.1	0.7	0.3	0.3	0.3	0.3	0.0	0.0	0.0
1.4	87.5°	1.4	0.7	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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