

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: P845772

Luminaire Tested: **GLAN-SB1A-830-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845772  
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-SB1A-830-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 350mA 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: 2690 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

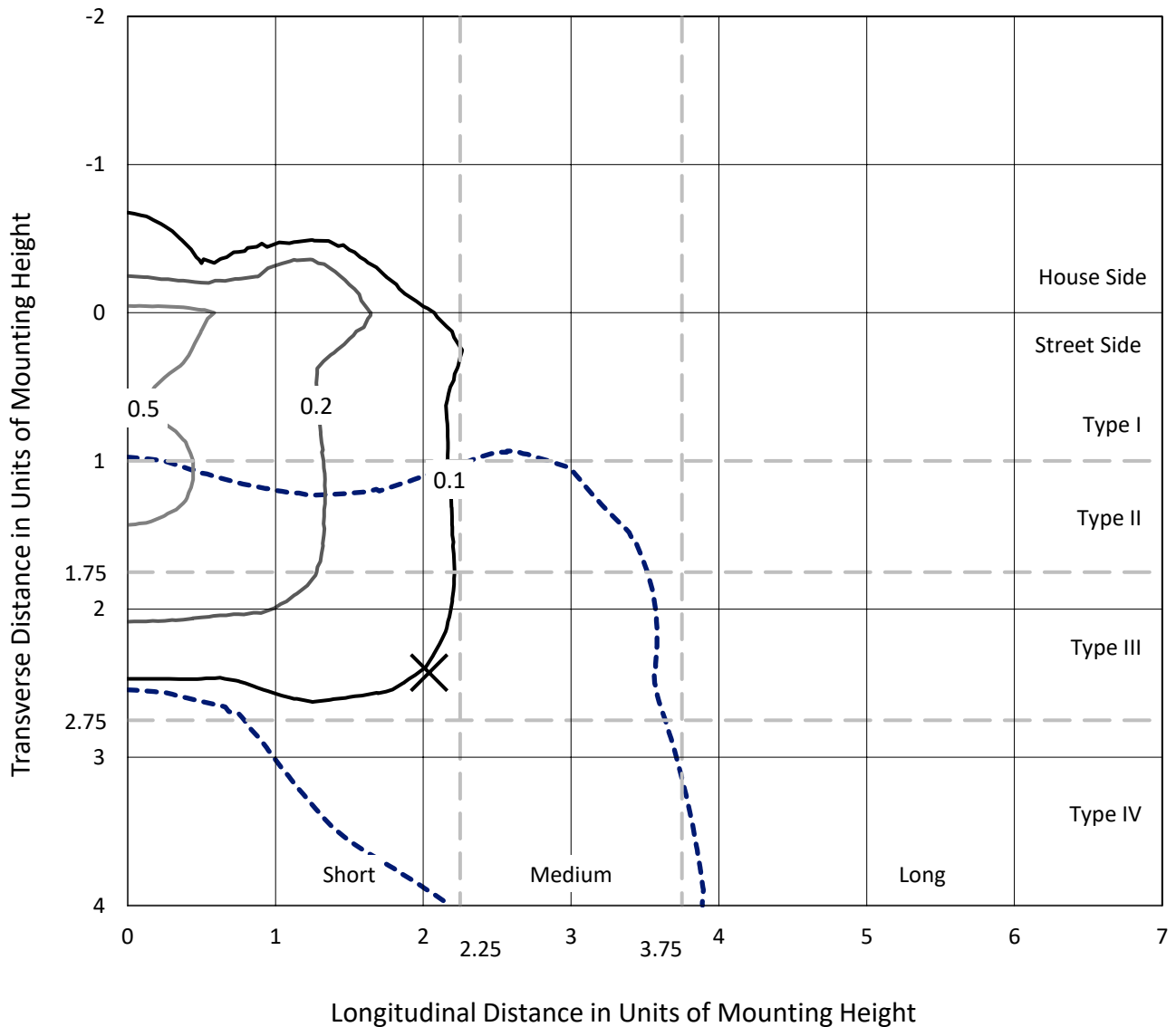
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

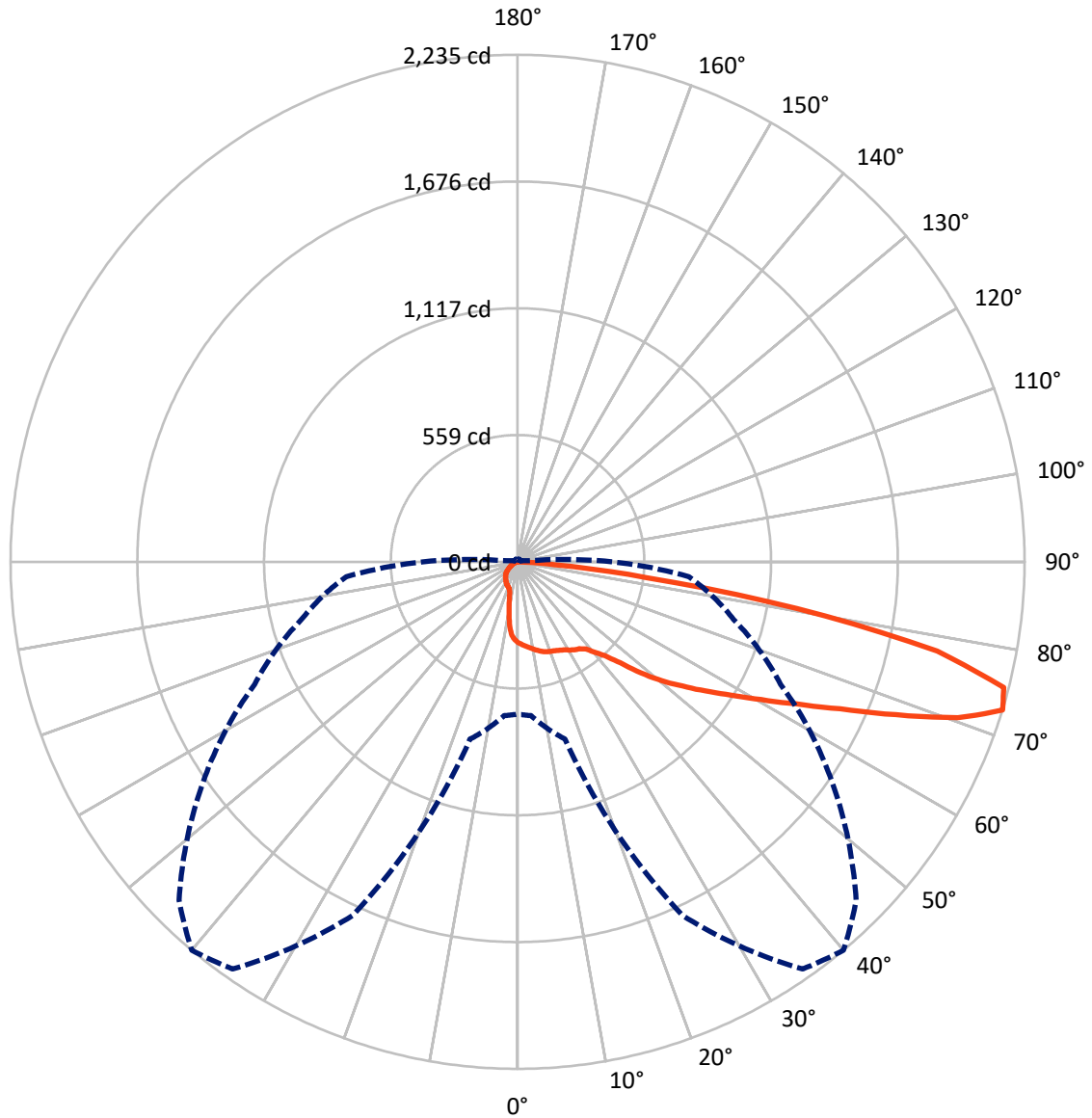
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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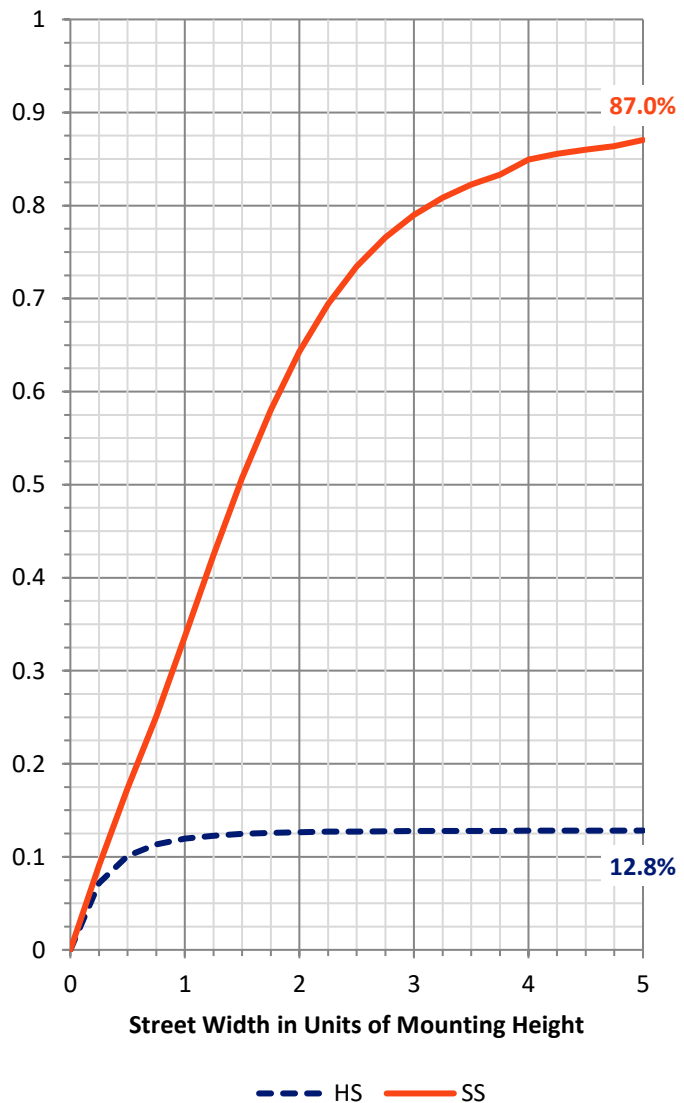
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	347.4	0.0	347.4
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2342.6	0.0	2342.6
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2690.0	0.0	2690.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.5	1.2
10°-20°	88.3	3.3
20°-30°	142.9	5.3
30°-40°	211.0	7.8
40°-50°	355.2	13.2
50°-60°	551.5	20.5
60°-70°	690.0	25.7
70°-80°	564.9	21.0
80°-90°	53.6	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°	2690.0	100.0
0°-180°	2690.0	100.0

**Coefficient of Utilization**



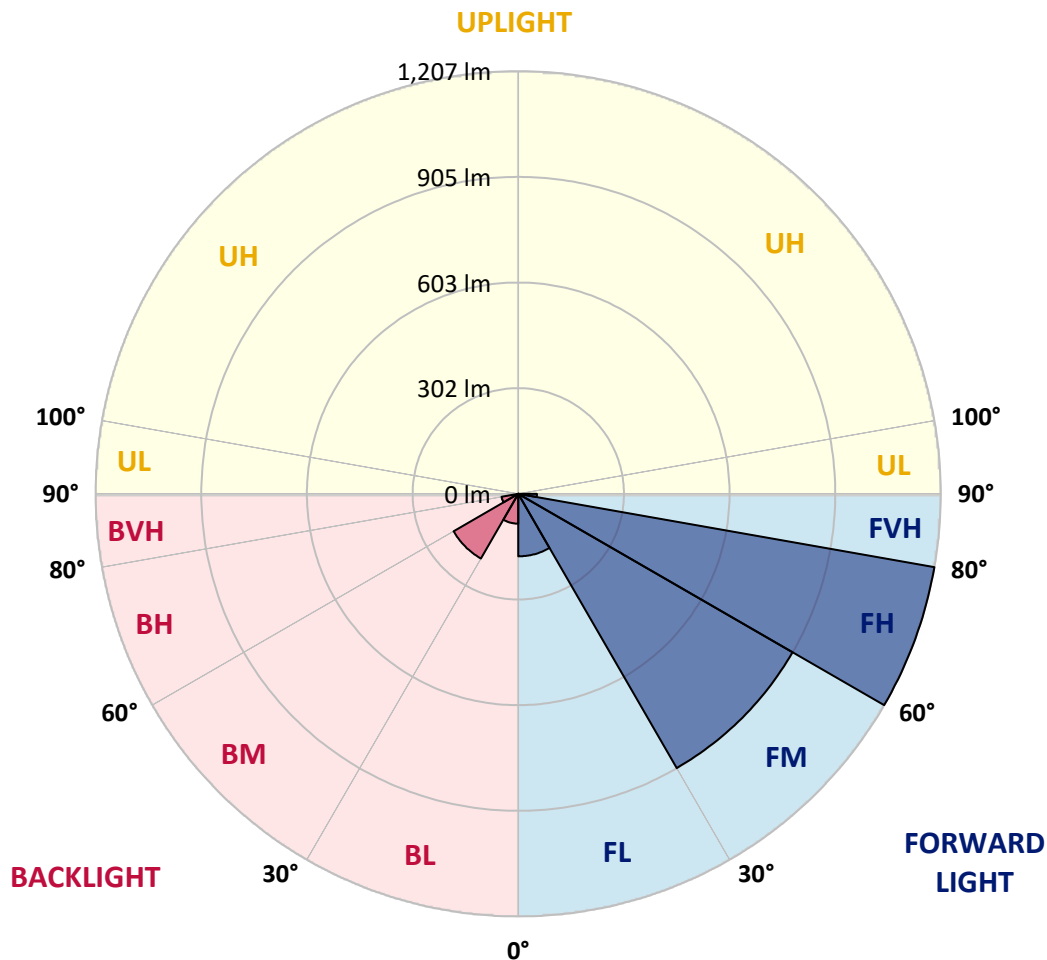
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.5	6.6			
FM (30°-60°)	904.3	33.6			
FH (60°-80°)	1206.6	44.9			G1/1800
FVH (80°-90°)	53.2	2.0			G1/100
BL (0°-30°)	85.3	3.2	B0/110		
BM (30°-60°)	213.3	7.9	B0/220		
BH (60°-80°)	48.4	1.8	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2
2.5°	366.9	368.3	367.5	365.9	365.5	364.7	363.7	363.3	361.9	360.6
5°	377.2	378.7	377.7	375.4	374.4	373.4	372.0	370.8	367.9	365.3
7.5°	388.6	389.8	388.6	385.4	383.7	382.5	380.5	378.7	375.4	371.6
10°	401.2	402.2	400.3	396.1	393.5	391.6	389.8	387.8	384.7	380.5
12.5°	412.9	414.1	411.3	406.2	403.2	401.4	399.3	397.7	394.7	390.6
15°	423.6	425.5	420.6	415.1	411.7	410.3	408.2	407.2	405.2	402.4
17.5°	431.7	433.0	427.9	421.4	417.6	416.6	415.1	415.7	415.3	413.9
20°	438.6	439.4	432.8	424.9	420.6	420.8	420.4	422.4	423.2	423.2
22.5°	447.1	447.3	438.8	428.9	423.8	425.3	425.9	428.1	429.7	431.3
25°	458.3	457.9	447.8	434.2	429.7	431.7	433.2	434.0	435.8	438.4
27.5°	474.9	473.7	460.7	442.7	437.4	439.2	441.9	441.5	440.7	442.7
30°	496.0	494.4	477.1	454.6	449.8	451.4	452.2	448.6	442.7	444.5
32.5°	529.4	526.6	502.7	468.0	460.5	462.3	461.3	453.8	445.1	446.9
35°	587.6	580.7	546.8	496.0	472.7	470.6	468.2	460.9	450.2	448.4
37.5°	711.1	699.0	641.2	550.5	500.2	487.1	479.6	472.3	455.7	448.4
40°	850.5	838.2	771.5	641.6	546.0	523.7	505.9	485.6	461.3	451.0
42.5°	996.0	982.4	913.9	754.7	611.5	565.7	532.4	496.4	470.6	459.1
45°	1158.5	1141.5	1051.9	872.6	706.5	635.4	575.2	518.5	486.9	473.5
47.5°	1329.9	1307.8	1189.5	987.1	808.8	731.8	653.4	558.0	510.8	495.0
50°	1481.8	1460.0	1331.5	1106.8	904.4	823.6	742.5	612.7	546.6	525.4
52.5°	1591.0	1574.4	1460.8	1230.4	1003.9	909.7	823.4	676.3	592.0	564.3
55°	1664.2	1649.0	1552.4	1347.5	1119.6	1004.5	903.0	745.4	646.7	610.9
57.5°	1708.6	1699.8	1618.6	1452.1	1234.3	1108.2	994.2	821.4	711.1	665.8
60°	1724.4	1717.3	1659.7	1551.7	1372.8	1232.8	1101.4	907.1	789.3	728.2
62.5°	1682.2	1683.6	1689.3	1669.9	1518.9	1378.7	1229.8	1010.0	876.1	798.9
65°	1483.9	1495.6	1603.4	1800.7	1712.4	1561.5	1393.3	1135.6	975.3	879.3
67.5°	1228.6	1245.6	1379.7	1877.3	1918.7	1798.7	1621.0	1295.7	1093.7	961.2
70°	940.5	958.7	1121.2	1861.3	2111.7	2058.1	1902.7	1499.3	1216.2	1017.9
72.5°	671.2	680.5	808.6	1718.9	2191.0	2234.7	2110.1	1692.1	1278.8	986.5
75°	471.7	470.0	554.9	1384.2	2067.6	2213.2	2037.4	1587.8	1157.3	783.7
77.5°	205.4	205.8	277.2	840.6	1650.2	1890.3	1693.6	994.6	806.8	415.3
80°	53.3	54.9	101.7	334.7	993.6	1247.6	1032.9	437.2	372.8	101.3
82.5°	18.8	20.1	46.8	105.2	366.5	572.2	459.9	139.8	97.2	29.0
85°	5.5	6.5	25.1	32.2	75.8	161.7	111.6	27.1	23.9	15.0
87.5°	0.0	0.8	5.1	4.5	4.5	3.0	5.7	3.0	3.8	1.8
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°
356.2	0°	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2	356.2
359.2	2.5°	358.0	356.6	353.5	350.3	347.3	344.4	343.6	340.6	339.2	339.4
362.1	5°	359.8	357.2	351.3	344.2	336.9	328.6	321.7	312.0	303.7	302.7
367.5	7.5°	364.7	360.4	350.9	337.1	318.9	296.0	274.7	253.7	241.7	235.2
375.6	10°	372.2	366.5	351.9	325.6	286.9	246.0	213.7	187.2	173.6	167.4
385.6	12.5°	381.1	374.8	353.5	305.9	245.6	191.9	157.0	140.8	138.0	137.6
397.7	15°	393.7	386.8	355.4	279.4	200.8	146.1	130.1	130.3	132.5	133.7
410.9	17.5°	407.6	400.8	352.7	247.0	156.6	124.8	124.4	126.2	129.5	130.7
423.0	20°	421.8	415.3	343.4	208.9	126.6	118.9	120.5	122.6	125.8	127.4
435.0	22.5°	436.4	430.7	328.6	168.4	114.3	114.7	116.7	118.7	122.4	124.2
446.7	25°	452.0	447.1	309.0	134.9	109.0	110.2	112.9	115.3	119.1	121.4
456.7	27.5°	467.8	464.2	286.7	112.6	104.1	105.6	108.6	111.8	115.7	118.3
465.4	30°	485.0	483.0	268.9	104.3	99.5	100.7	104.1	107.8	112.0	115.3
474.1	32.5°	502.7	502.3	260.1	110.4	95.2	96.0	99.1	102.7	108.0	112.0
481.4	35°	520.1	520.9	255.1	127.6	93.8	91.6	93.6	96.8	103.1	108.2
489.7	37.5°	542.4	544.4	254.9	146.3	97.2	87.1	88.5	90.8	96.2	102.1
502.7	40°	575.6	586.3	267.8	162.3	103.3	83.1	83.5	83.9	86.7	91.6
519.9	42.5°	619.8	651.2	314.6	173.2	105.8	79.4	78.0	75.8	75.4	78.0
543.4	45°	674.7	729.6	396.9	179.3	103.3	75.4	71.5	65.6	63.4	65.2
575.2	47.5°	739.3	815.5	494.4	180.7	99.3	70.3	63.4	55.7	53.9	54.5
617.9	50°	802.3	879.9	580.1	169.0	92.6	63.8	54.5	48.0	46.8	47.0
668.4	52.5°	858.0	902.0	604.4	141.2	83.7	55.9	46.8	42.3	41.5	41.5
724.1	55°	894.9	878.1	538.9	108.0	72.5	47.8	40.1	37.9	37.5	37.3
786.3	57.5°	902.6	800.3	407.0	78.0	56.7	40.3	35.7	34.4	33.6	32.8
850.1	60°	875.0	670.6	259.1	54.5	42.5	34.4	31.6	30.8	29.2	27.6
910.1	62.5°	815.5	506.5	143.4	37.9	34.2	29.4	28.0	26.9	23.9	21.3
957.7	65°	735.5	336.7	63.4	29.6	28.0	24.7	23.9	22.5	18.8	15.8
975.7	67.5°	655.0	193.9	28.6	23.7	22.5	20.3	19.7	18.6	16.0	13.2
929.7	70°	563.2	98.3	19.7	18.8	17.4	15.4	16.0	15.8	13.2	10.7
758.3	72.5°	419.4	48.8	14.8	14.2	12.6	10.9	13.2	13.0	10.3	8.1
467.6	75°	237.5	24.1	10.7	9.9	7.5	8.1	10.5	9.9	7.1	5.3
197.3	77.5°	94.2	12.4	7.1	6.1	4.5	5.5	7.7	6.7	3.6	2.2
37.7	80°	21.7	6.1	3.6	2.6	2.0	3.2	4.1	2.4	1.0	0.2
10.1	82.5°	6.1	2.6	1.2	1.0	1.0	1.2	1.0	0.4	0.0	0.0
2.6	85°	2.0	1.2	0.4	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.8	87.5°	0.8	0.4	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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356.2
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