

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: P845702

Luminaire Tested: **GLAN-SB1A-727-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845702  
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-727-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 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: 2786 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

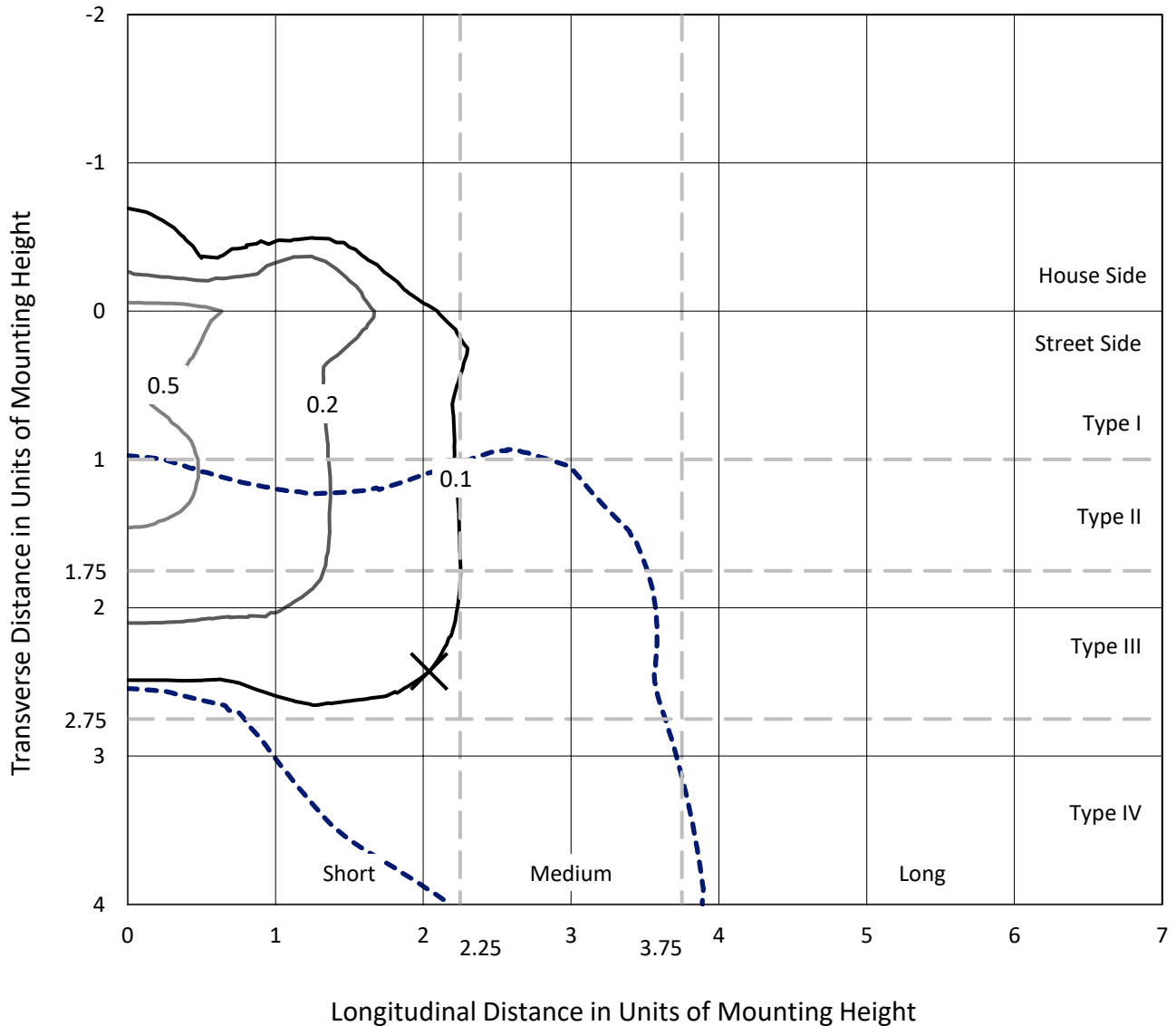
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P845702  
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### Iso-Footcandle Lines of Horizontal Illumination

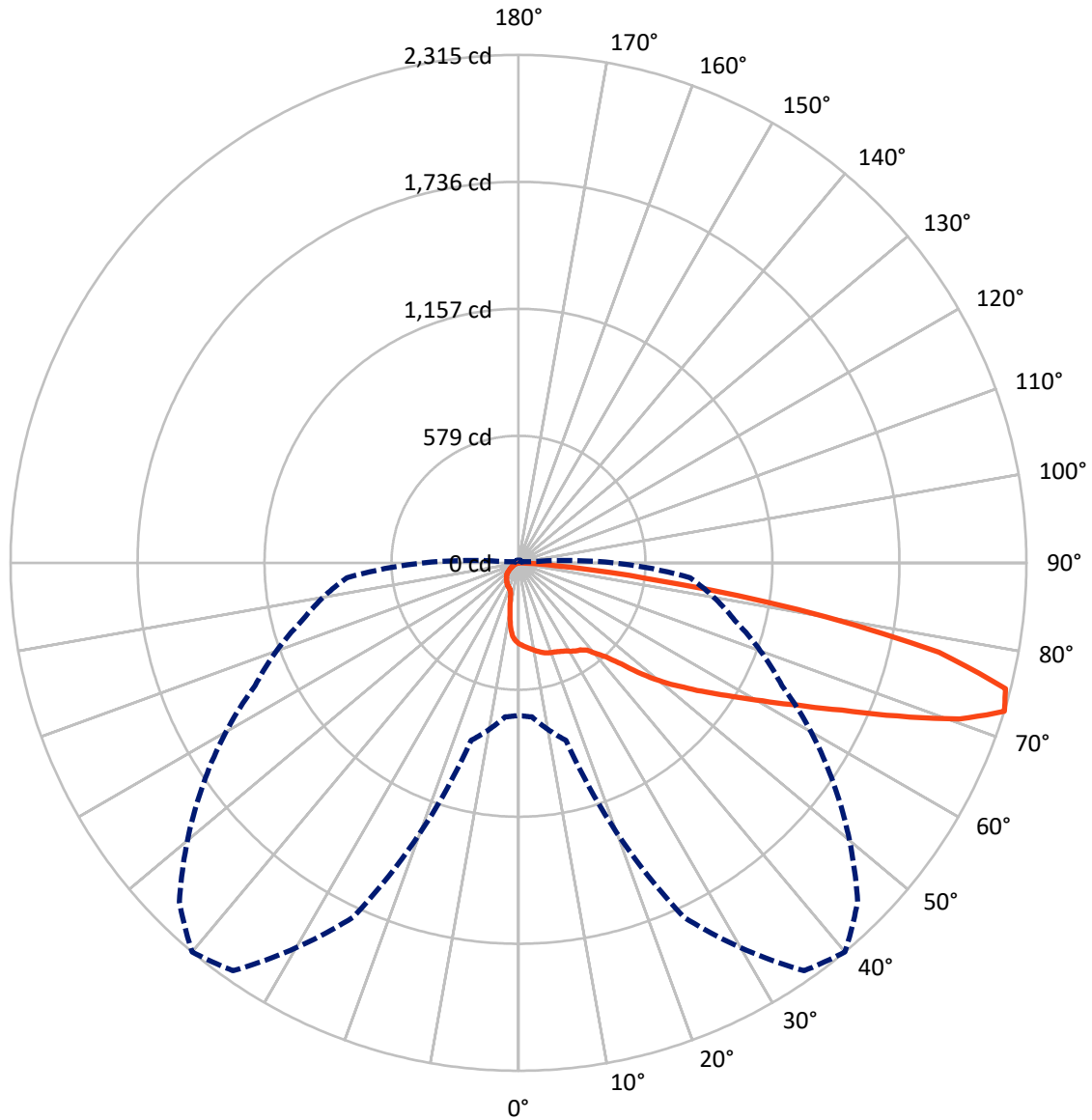
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P845702  
CATALOG NUMBER: GLAN-SB1A-727-U-SL4-HSS

### Luminous Intensity Polar Plot



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

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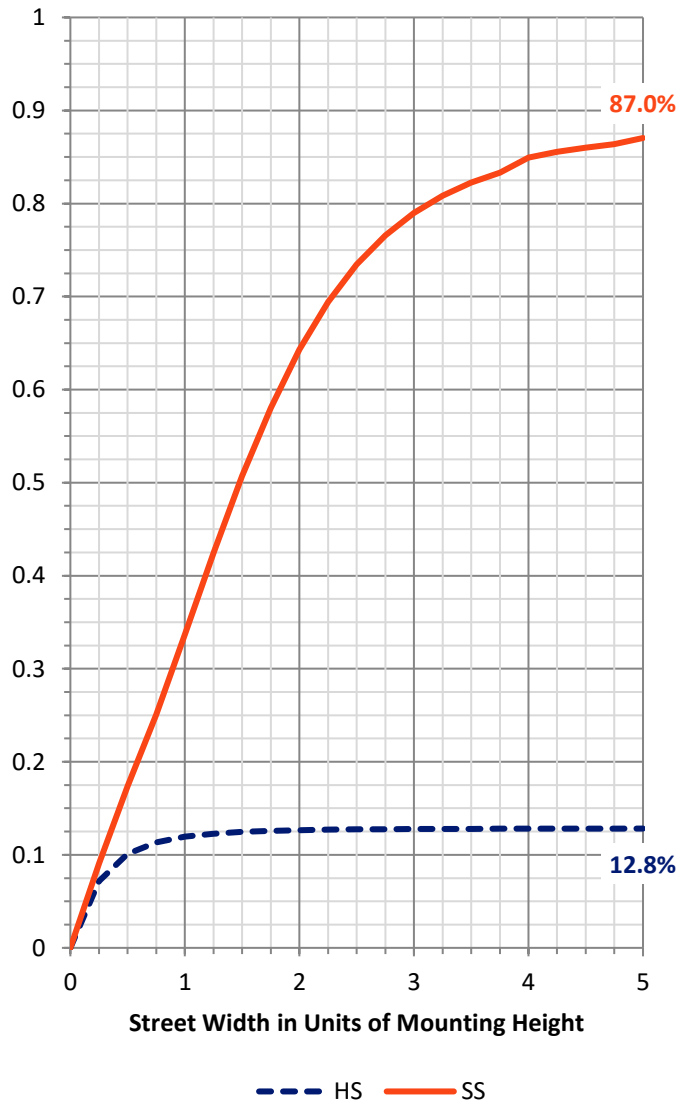
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	359.8	0.0	359.8
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	2426.2	0.0	2426.2
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2786.0	0.0	2786.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.7	1.2
10°-20°	91.5	3.3
20°-30°	148.0	5.3
30°-40°	218.6	7.8
40°-50°	367.8	13.2
50°-60°	571.1	20.5
60°-70°	714.7	25.7
70°-80°	585.1	21.0
80°-90°	55.5	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°	2786.0	100.0
0°-180°	2786.0	100.0

**Coefficient of Utilization**



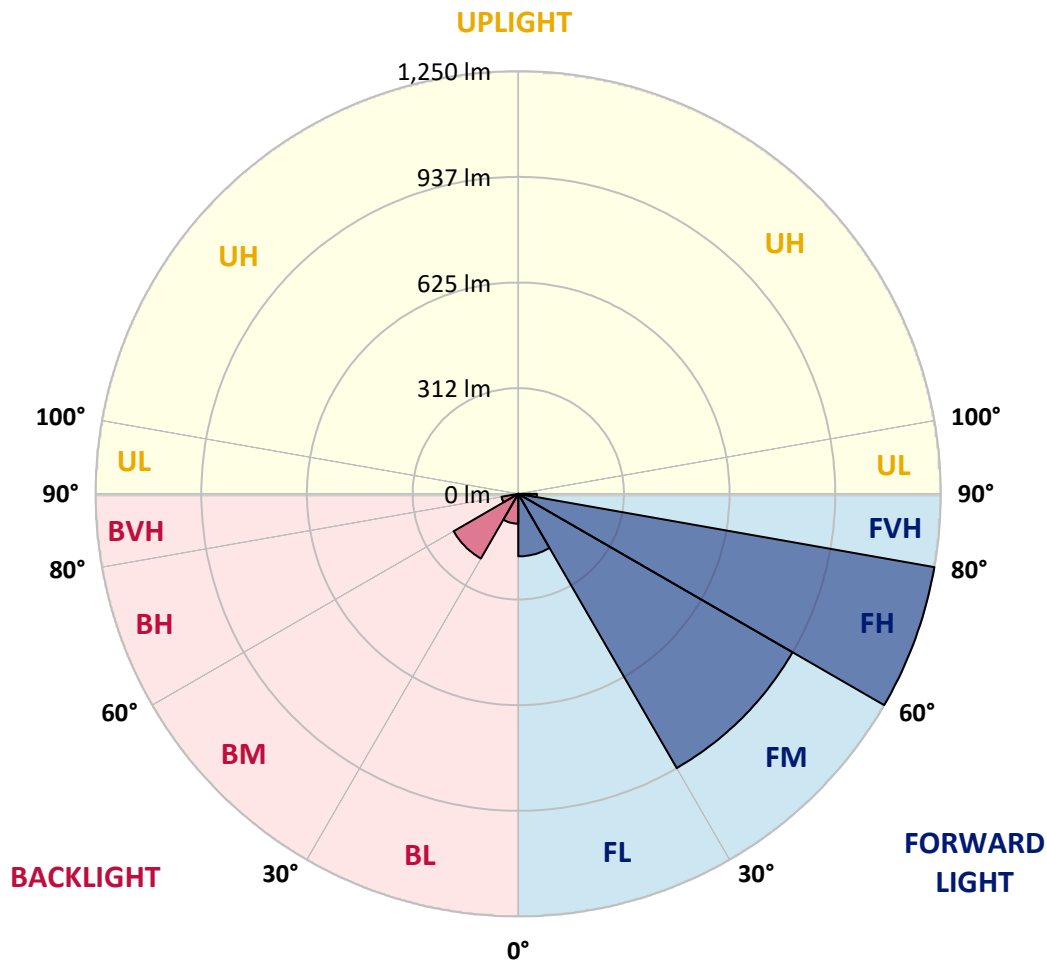
REPORT NUMBER: P845702  
 CATALOG NUMBER: GLAN-SB1A-727-U-SL4-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.9	6.6			
FM (30°-60°)	936.6	33.6			
FH (60°-80°)	1249.6	44.9			G1/1800
FVH (80°-90°)	55.1	2.0			G1/100
BL (0°-30°)	88.3	3.2	B0/110		
BM (30°-60°)	220.9	7.9	B1/1000		
BH (60°-80°)	50.1	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: B1-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9
2.5°	380.0	381.5	380.6	379.0	378.5	377.7	376.7	376.2	374.8	373.5
5°	390.7	392.2	391.1	388.8	387.8	386.7	385.3	384.0	381.1	378.3
7.5°	402.5	403.7	402.5	399.1	397.4	396.2	394.1	392.2	388.8	384.8
10°	415.5	416.5	414.6	410.2	407.5	405.6	403.7	401.6	398.5	394.1
12.5°	427.6	428.9	426.0	420.7	417.6	415.7	413.6	411.9	408.8	404.6
15°	438.8	440.7	435.6	430.0	426.4	424.9	422.8	421.8	419.7	416.7
17.5°	447.2	448.4	443.2	436.5	432.5	431.4	430.0	430.6	430.2	428.7
20°	454.3	455.1	448.2	440.0	435.6	435.8	435.4	437.5	438.3	438.3
22.5°	463.1	463.3	454.5	444.2	439.0	440.4	441.1	443.4	445.1	446.7
25°	474.6	474.2	463.7	449.7	445.1	447.2	448.6	449.5	451.4	454.1
27.5°	491.9	490.6	477.2	458.5	453.0	454.9	457.6	457.2	456.4	458.5
30°	513.7	512.0	494.2	470.9	465.8	467.5	468.4	464.6	458.5	460.4
32.5°	548.3	545.4	520.6	484.7	477.0	478.8	477.8	470.0	461.0	462.9
35°	608.5	601.4	566.3	513.7	489.5	487.4	484.9	477.4	466.3	464.4
37.5°	736.5	723.9	664.1	570.1	518.1	504.4	496.7	489.1	471.9	464.4
40°	880.9	868.1	799.0	664.5	565.5	542.4	524.0	503.0	477.8	467.1
42.5°	1031.5	1017.5	946.6	781.6	633.3	585.9	551.4	514.1	487.4	475.5
45°	1199.8	1182.2	1089.5	903.8	731.7	658.0	595.7	537.0	504.2	490.4
47.5°	1377.4	1354.5	1231.9	1022.3	837.7	757.9	676.7	577.9	529.0	512.6
50°	1534.7	1512.1	1379.0	1146.3	936.7	853.0	769.0	634.5	566.1	544.1
52.5°	1647.8	1630.6	1512.9	1274.3	1039.7	942.2	852.8	700.4	613.1	584.4
55°	1723.6	1707.8	1607.8	1395.6	1159.5	1040.4	935.2	772.0	669.8	632.7
57.5°	1769.5	1760.5	1676.4	1503.9	1278.3	1147.8	1029.7	850.7	736.5	689.5
60°	1785.9	1778.6	1719.0	1607.1	1421.8	1276.8	1140.7	939.4	817.5	754.1
62.5°	1742.3	1743.7	1749.6	1729.5	1573.1	1427.9	1273.7	1046.0	907.3	827.4
65°	1536.8	1549.0	1660.6	1865.0	1773.5	1617.2	1443.0	1176.1	1010.1	910.7
67.5°	1272.4	1290.1	1429.0	1944.3	1987.1	1862.9	1678.9	1341.9	1132.7	995.5
70°	974.1	992.9	1161.2	1927.7	2187.1	2131.5	1970.6	1552.8	1259.6	1054.2
72.5°	695.2	704.8	837.4	1780.2	2269.1	2314.5	2185.4	1752.5	1324.5	1021.7
75°	488.5	486.8	574.7	1433.6	2141.4	2292.2	2110.1	1644.5	1198.6	811.6
77.5°	212.8	213.2	287.1	870.6	1709.1	1957.8	1754.0	1030.1	835.6	430.2
80°	55.2	56.9	105.3	346.6	1029.0	1292.2	1069.7	452.8	386.1	104.9
82.5°	19.5	20.8	48.5	108.9	379.6	592.6	476.3	144.8	100.7	30.0
85°	5.7	6.7	26.0	33.4	78.5	167.4	115.6	28.1	24.8	15.5
87.5°	0.0	0.8	5.2	4.6	4.6	3.1	5.9	3.1	4.0	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845702  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
368.9	0°	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9	368.9
372.0	2.5°	370.8	369.3	366.2	362.8	359.7	356.7	355.9	352.7	351.3	351.5
375.0	5°	372.7	369.9	363.9	356.5	349.0	340.4	333.2	323.1	314.5	313.5
380.6	7.5°	377.7	373.3	363.4	349.2	330.3	306.6	284.5	262.7	250.3	243.6
389.0	10°	385.5	379.6	364.5	337.2	297.1	254.7	221.4	193.9	179.8	173.3
399.3	12.5°	394.7	388.2	366.2	316.9	254.3	198.7	162.6	145.8	142.9	142.5
411.9	15°	407.7	400.6	368.0	289.4	207.9	151.3	134.7	134.9	137.2	138.5
425.5	17.5°	422.2	415.1	365.3	255.8	162.2	129.3	128.8	130.7	134.1	135.3
438.1	20°	436.9	430.2	355.7	216.3	131.1	123.2	124.9	126.9	130.3	132.0
450.5	22.5°	452.0	446.1	340.4	174.4	118.3	118.8	120.9	123.0	126.7	128.6
462.7	25°	468.1	463.1	320.0	139.7	112.9	114.1	116.9	119.4	123.4	125.7
473.0	27.5°	484.5	480.7	296.9	116.7	107.9	109.3	112.5	115.8	119.8	122.5
482.0	30°	502.3	500.2	278.5	108.1	103.0	104.3	107.9	111.6	116.0	119.4
491.0	32.5°	520.6	520.2	269.4	114.4	98.6	99.5	102.6	106.4	111.8	116.0
498.6	35°	538.6	539.5	264.2	132.2	97.2	94.8	96.9	100.3	106.8	112.1
507.2	37.5°	561.7	563.8	264.0	151.5	100.7	90.2	91.7	94.0	99.7	105.8
520.6	40°	596.1	607.3	277.4	168.1	107.0	86.0	86.5	86.9	89.8	94.8
538.4	42.5°	641.9	674.4	325.9	179.4	109.5	82.3	80.8	78.5	78.1	80.8
562.8	45°	698.7	755.6	411.1	185.7	107.0	78.1	74.1	68.0	65.7	67.6
595.7	47.5°	765.7	844.6	512.0	187.2	102.8	72.8	65.7	57.7	55.8	56.4
640.0	50°	830.9	911.3	600.8	175.0	95.9	66.1	56.4	49.7	48.5	48.7
692.2	52.5°	888.6	934.2	625.9	146.3	86.7	57.9	48.5	43.9	43.0	43.0
749.9	55°	926.8	909.4	558.2	111.8	75.1	49.5	41.5	39.2	38.8	38.6
814.4	57.5°	934.8	828.8	421.6	80.8	58.8	41.8	36.9	35.7	34.8	34.0
880.5	60°	906.3	694.6	268.4	56.4	44.1	35.7	32.7	31.9	30.2	28.5
942.6	62.5°	844.6	524.6	148.6	39.2	35.5	30.4	29.0	27.9	24.8	22.0
991.9	65°	761.7	348.7	65.7	30.6	29.0	25.6	24.8	23.3	19.5	16.4
1010.6	67.5°	678.4	200.8	29.6	24.6	23.3	21.0	20.4	19.3	16.6	13.6
962.9	70°	583.3	101.8	20.4	19.5	18.0	15.9	16.6	16.4	13.6	11.1
785.4	72.5°	434.4	50.6	15.3	14.7	13.0	11.3	13.6	13.4	10.7	8.4
484.3	75°	245.9	25.0	11.1	10.3	7.8	8.4	10.9	10.3	7.3	5.5
204.4	77.5°	97.6	12.8	7.3	6.3	4.6	5.7	8.0	6.9	3.8	2.3
39.0	80°	22.5	6.3	3.8	2.7	2.1	3.4	4.2	2.5	1.0	0.2
10.5	82.5°	6.3	2.7	1.3	1.0	1.0	1.3	1.0	0.4	0.0	0.0
2.7	85°	2.1	1.3	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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180°
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368.9
351.3
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