

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: P845822

Luminaire Tested: **GLAN-SB1A-930-U-SL4-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845822  
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-930-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 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: 2113 lumens  
Efficiency: N/A  
Efficacy: 68.4 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

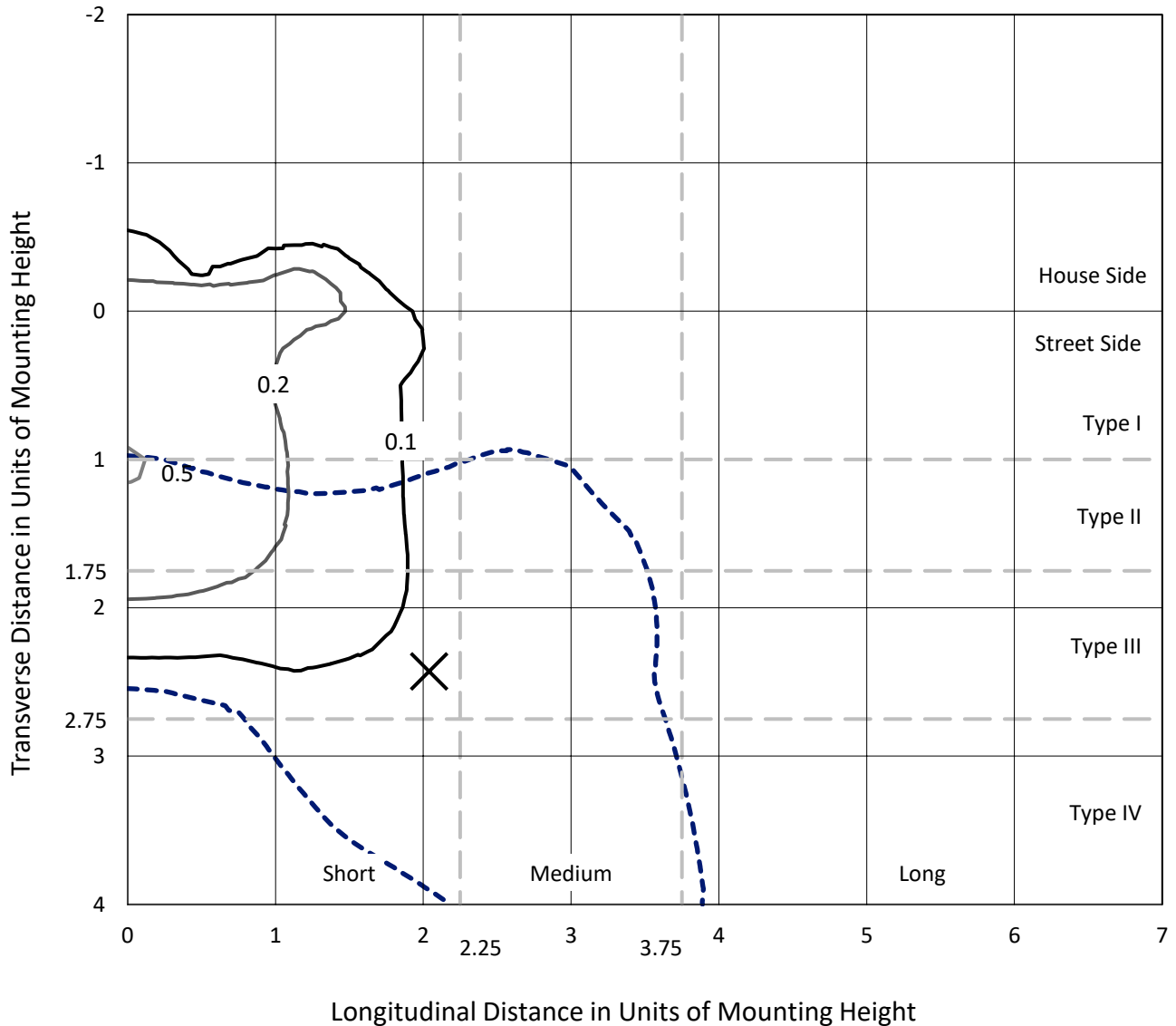
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

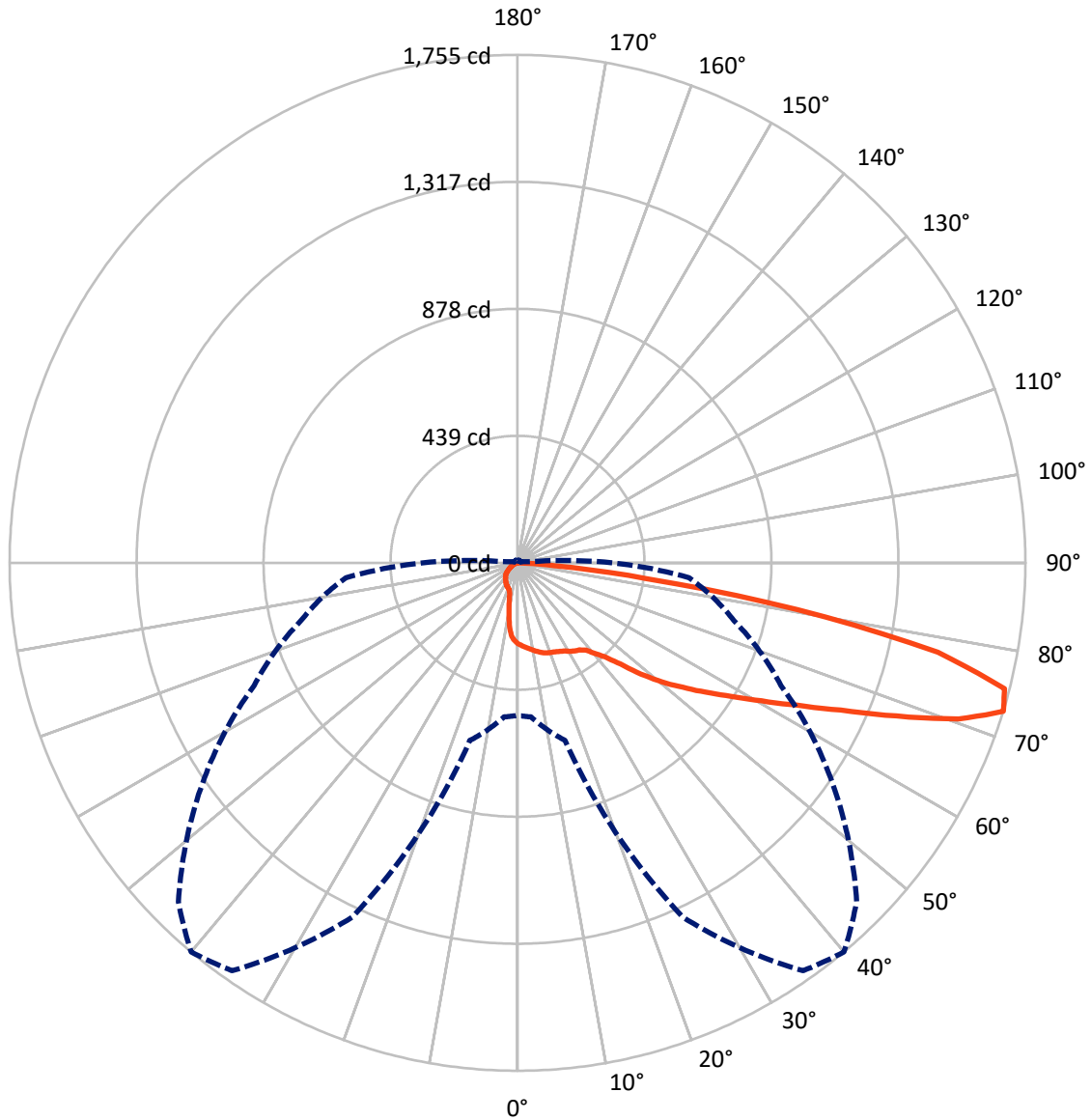
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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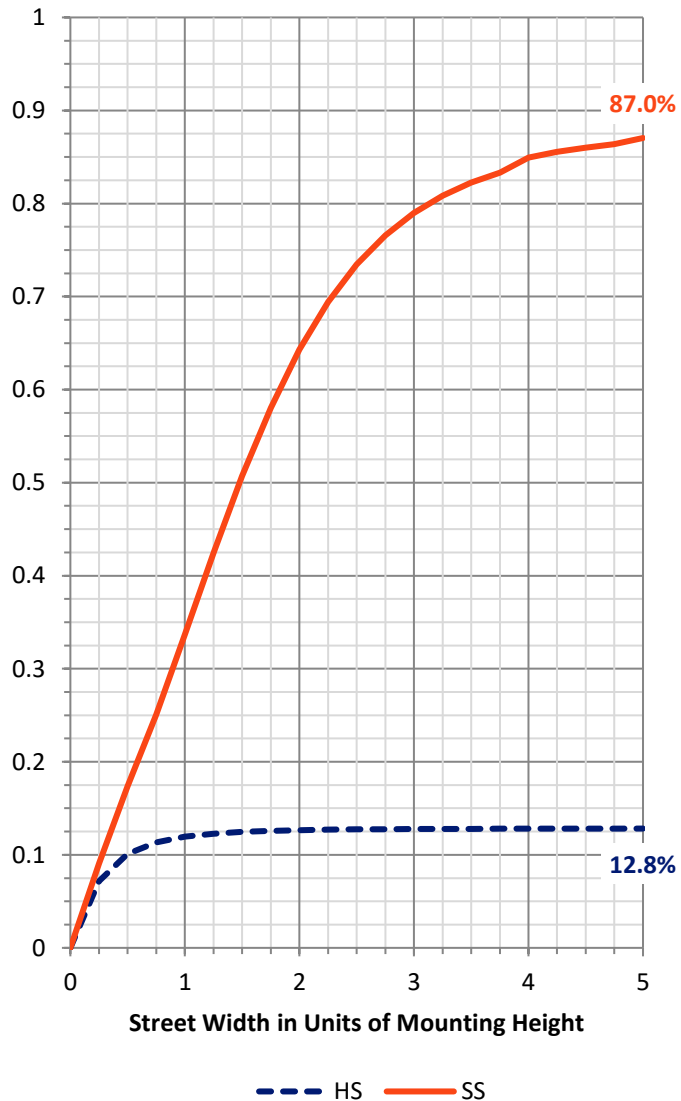
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	272.9	0.0	272.9
	% Fixture	12.9	0.0	12.9
<b>Street Side</b>	Lumens	1840.1	0.0	1840.1
	% Fixture	87.1	0.0	87.1
<b>Total</b>	Lumens	2113.0	0.0	2113.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.6	1.2
10°-20°	69.4	3.3
20°-30°	112.3	5.3
30°-40°	165.8	7.8
40°-50°	279.0	13.2
50°-60°	433.2	20.5
60°-70°	542.0	25.7
70°-80°	443.8	21.0
80°-90°	42.1	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°	2113.0	100.0
0°-180°	2113.0	100.0

**Coefficient of Utilization**

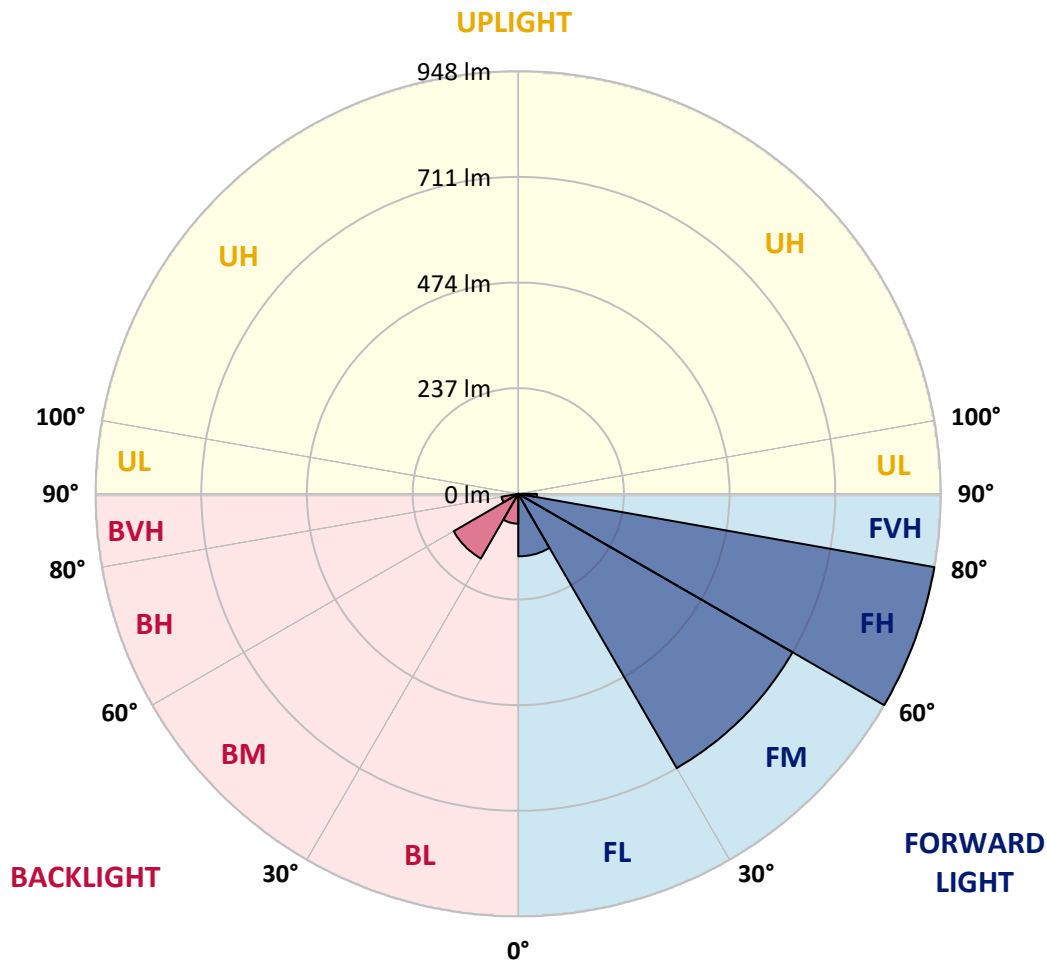


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	140.2	6.6			
FM (30°-60°)	710.4	33.6			
FH (60°-80°)	947.8	44.9			G1/1800
FVH (80°-90°)	41.8	2.0			G1/100
BL (0°-30°)	67.0	3.2	B0/110		
BM (30°-60°)	167.6	7.9	B0/220		
BH (60°-80°)	38.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.3	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°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
2.5°	288.2	289.3	288.7	287.4	287.1	286.5	285.7	285.3	284.2	283.3
5°	296.3	297.4	296.6	294.9	294.1	293.3	292.2	291.2	289.0	286.9
7.5°	305.2	306.2	305.2	302.7	301.4	300.5	298.9	297.4	294.9	291.9
10°	315.1	315.9	314.5	311.1	309.1	307.6	306.2	304.6	302.2	298.9
12.5°	324.3	325.3	323.1	319.1	316.7	315.3	313.7	312.4	310.0	306.8
15°	332.8	334.2	330.4	326.1	323.4	322.3	320.7	319.9	318.3	316.1
17.5°	339.1	340.1	336.1	331.0	328.0	327.2	326.1	326.6	326.2	325.1
20°	344.6	345.2	339.9	333.7	330.4	330.5	330.2	331.8	332.5	332.5
22.5°	351.2	351.4	344.7	336.9	332.9	334.0	334.5	336.3	337.5	338.8
25°	360.0	359.7	351.7	341.0	337.5	339.1	340.3	340.9	342.3	344.4
27.5°	373.0	372.1	361.9	347.7	343.6	345.0	347.1	346.8	346.1	347.7
30°	389.6	388.3	374.8	357.1	353.3	354.6	355.2	352.3	347.7	349.2
32.5°	415.8	413.6	394.8	367.6	361.7	363.2	362.4	356.5	349.6	351.1
35°	461.5	456.1	429.5	389.6	371.3	369.7	367.8	362.1	353.6	352.2
37.5°	558.6	549.1	503.7	432.4	392.9	382.6	376.7	371.0	357.9	352.2
40°	668.1	658.4	606.0	504.0	428.9	411.4	397.4	381.5	362.4	354.3
42.5°	782.4	771.7	717.9	592.8	480.3	444.3	418.2	389.9	369.7	360.6
45°	910.0	896.6	826.3	685.4	554.9	499.1	451.8	407.3	382.4	371.9
47.5°	1044.6	1027.3	934.3	775.4	635.3	574.8	513.2	438.3	401.2	388.8
50°	1164.0	1146.8	1045.9	869.4	710.4	646.9	583.3	481.3	429.4	412.7
52.5°	1249.8	1236.7	1147.4	966.5	788.6	714.6	646.8	531.2	465.0	443.2
55°	1307.2	1295.3	1219.4	1058.5	879.4	789.0	709.3	585.5	508.0	479.8
57.5°	1342.1	1335.2	1271.4	1140.6	969.5	870.5	780.9	645.2	558.6	523.0
60°	1354.5	1348.9	1303.7	1218.9	1078.4	968.4	865.1	712.5	620.0	572.0
62.5°	1321.4	1322.5	1327.0	1311.7	1193.1	1083.0	966.0	793.3	688.1	627.5
65°	1165.6	1174.8	1259.5	1414.5	1345.1	1226.5	1094.4	892.0	766.1	690.7
67.5°	965.1	978.4	1083.8	1474.6	1507.1	1412.9	1273.3	1017.7	859.1	755.0
70°	738.8	753.1	880.7	1462.1	1658.8	1616.6	1494.5	1177.7	955.4	799.5
72.5°	527.3	534.6	635.2	1350.2	1721.0	1755.4	1657.5	1329.2	1004.5	774.9
75°	370.5	369.2	435.9	1087.3	1624.1	1738.5	1600.4	1247.2	909.0	615.6
77.5°	161.4	161.7	217.7	660.3	1296.2	1484.8	1330.3	781.2	633.7	326.2
80°	41.9	43.1	79.9	262.9	780.5	980.0	811.3	343.4	292.8	79.6
82.5°	14.8	15.8	36.8	82.6	287.9	449.4	361.3	109.8	76.4	22.8
85°	4.3	5.1	19.7	25.3	59.5	127.0	87.7	21.3	18.8	11.8
87.5°	0.0	0.6	4.0	3.5	3.5	2.4	4.5	2.4	3.0	1.4
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°
279.8	0°	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8	279.8
282.2	2.5°	281.2	280.1	277.7	275.2	272.8	270.5	269.9	267.5	266.4	266.6
284.4	5°	282.6	280.6	276.0	270.4	264.7	258.1	252.7	245.1	238.6	237.8
288.7	7.5°	286.5	283.1	275.6	264.8	250.5	232.5	215.8	199.3	189.9	184.8
295.1	10°	292.4	287.9	276.4	255.7	225.4	193.2	167.9	147.1	136.4	131.5
302.9	12.5°	299.4	294.4	277.7	240.3	192.9	150.7	123.3	110.6	108.4	108.1
312.4	15°	309.2	303.8	279.1	219.5	157.7	114.7	102.2	102.3	104.1	105.0
322.7	17.5°	320.2	314.8	277.1	194.0	123.0	98.0	97.7	99.1	101.7	102.6
332.3	20°	331.3	326.2	269.8	164.1	99.5	93.4	94.7	96.3	98.8	100.1
341.7	22.5°	342.8	338.3	258.1	132.3	89.8	90.1	91.7	93.3	96.1	97.6
350.9	25°	355.1	351.2	242.7	106.0	85.6	86.6	88.6	90.6	93.6	95.3
358.7	27.5°	367.5	364.6	225.2	88.5	81.8	82.9	85.3	87.8	90.9	92.9
365.6	30°	381.0	379.4	211.2	82.0	78.1	79.1	81.8	84.7	88.0	90.6
372.4	32.5°	394.8	394.5	204.3	86.7	74.8	75.4	77.8	80.7	84.8	88.0
378.1	35°	408.5	409.2	200.4	100.3	73.7	71.9	73.5	76.1	81.0	85.0
384.7	37.5°	426.0	427.6	200.2	114.9	76.4	68.4	69.5	71.3	75.6	80.2
394.8	40°	452.1	460.6	210.4	127.5	81.2	65.2	65.6	65.9	68.1	71.9
408.4	42.5°	486.8	511.5	247.2	136.1	83.1	62.4	61.3	59.5	59.2	61.3
426.8	45°	530.0	573.1	311.8	140.8	81.2	59.2	56.2	51.6	49.8	51.2
451.8	47.5°	580.7	640.6	388.3	142.0	78.0	55.2	49.8	43.8	42.3	42.8
485.4	50°	630.2	691.2	455.6	132.7	72.7	50.1	42.8	37.7	36.8	36.9
525.0	52.5°	674.0	708.5	474.7	110.9	65.7	43.9	36.8	33.3	32.6	32.6
568.8	55°	702.9	689.7	423.3	84.8	57.0	37.6	31.5	29.8	29.4	29.3
617.6	57.5°	709.0	628.6	319.7	61.3	44.6	31.7	28.0	27.1	26.4	25.8
667.8	60°	687.4	526.8	203.5	42.8	33.4	27.1	24.8	24.2	22.9	21.6
714.9	62.5°	640.6	397.9	112.7	29.8	26.9	23.1	22.0	21.2	18.8	16.7
752.3	65°	577.7	264.5	49.8	23.2	22.0	19.4	18.8	17.7	14.8	12.4
766.4	67.5°	514.5	152.3	22.4	18.6	17.7	15.9	15.4	14.6	12.6	10.3
730.3	70°	442.4	77.2	15.4	14.8	13.7	12.1	12.6	12.4	10.3	8.4
595.7	72.5°	329.4	38.4	11.6	11.1	9.9	8.6	10.3	10.2	8.1	6.4
367.3	75°	186.5	18.9	8.4	7.8	5.9	6.4	8.3	7.8	5.6	4.1
155.0	77.5°	74.0	9.7	5.6	4.8	3.5	4.3	6.0	5.3	2.9	1.8
29.6	80°	17.0	4.8	2.9	2.1	1.6	2.5	3.2	1.9	0.8	0.2
8.0	82.5°	4.8	2.1	1.0	0.8	0.8	1.0	0.8	0.3	0.0	0.0
2.1	85°	1.6	1.0	0.3	0.2	0.2	0.2	0.2	0.0	0.0	0.0
0.6	87.5°	0.6	0.3	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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279.8
266.4
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