

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: P846507

Luminaire Tested: **GLAN-SB2A-930-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

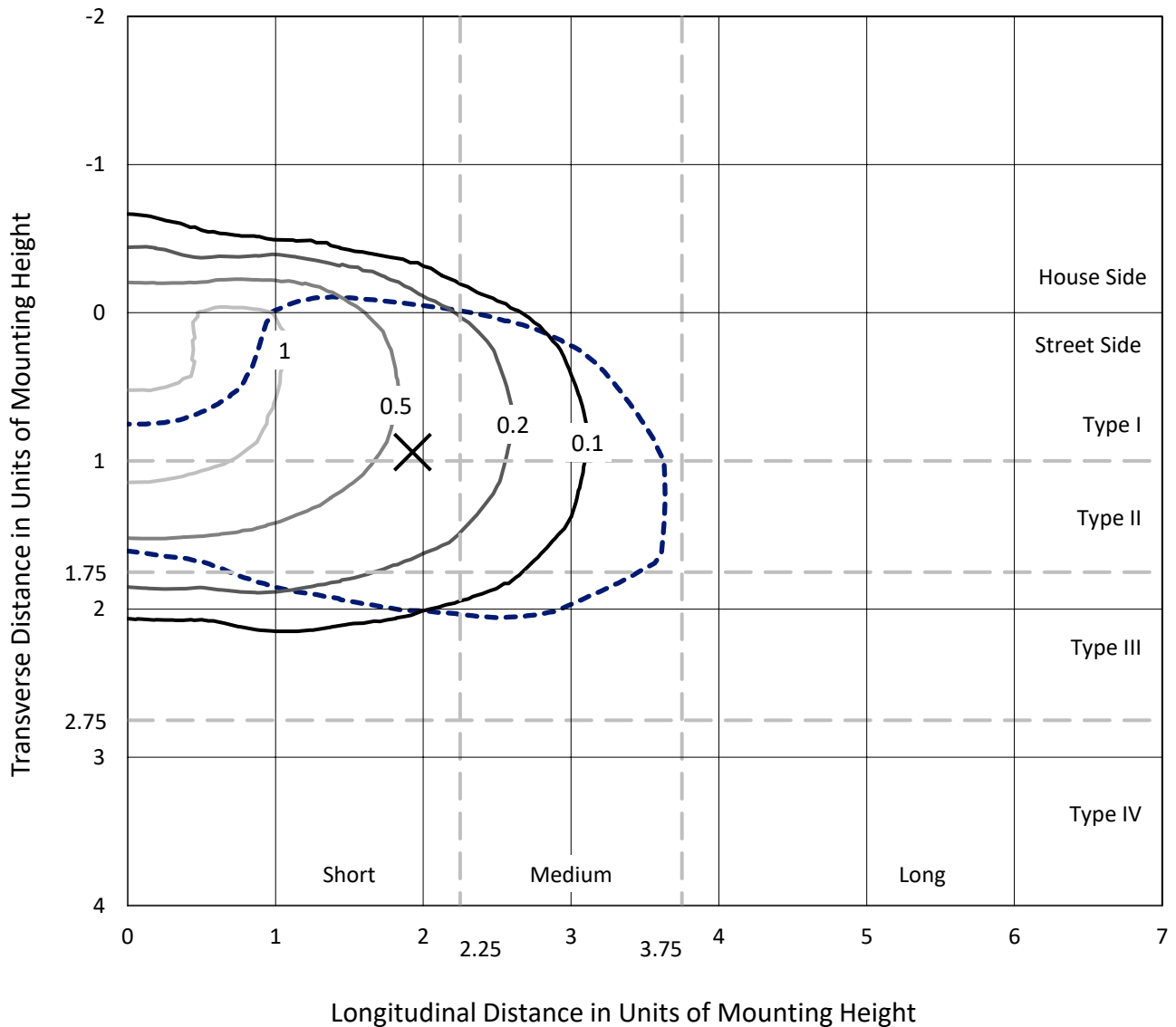
Lumens per Lamp: N/A  
Luminaire Lumens: 4747 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

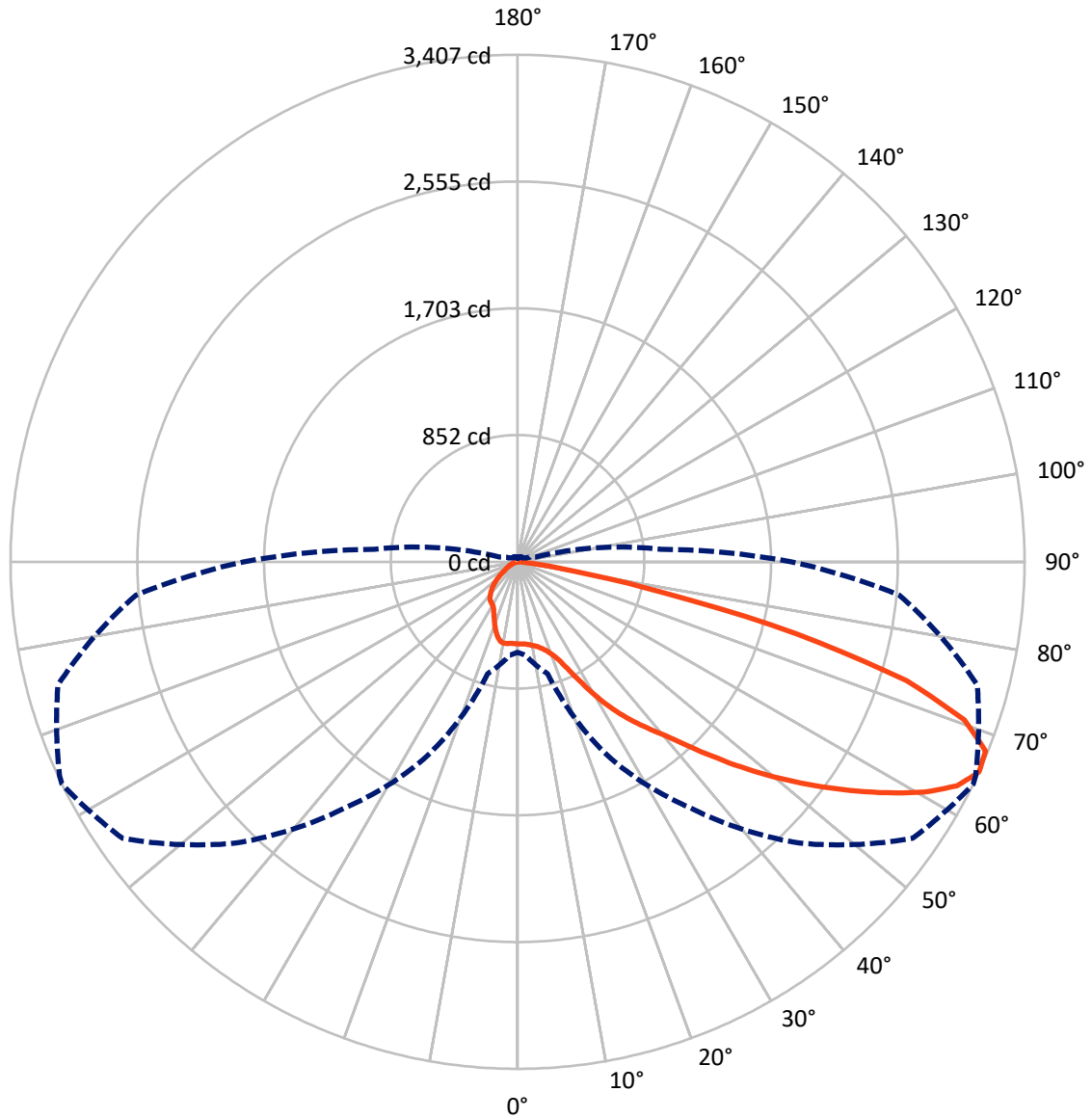
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	634.8	0.0	634.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	4112.2	0.0	4112.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	4747.0	0.0	4747.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	1.1
10°-20°	138.2	2.9
20°-30°	261.8	5.5
30°-40°	529.8	11.2
40°-50°	902.5	19.0
50°-60°	1227.3	25.9
60°-70°	1152.5	24.3
70°-80°	461.7	9.7
80°-90°	22.4	0.5
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°	4747.0	100.0
0°-180°	4747.0	100.0

**Coefficient of Utilization**



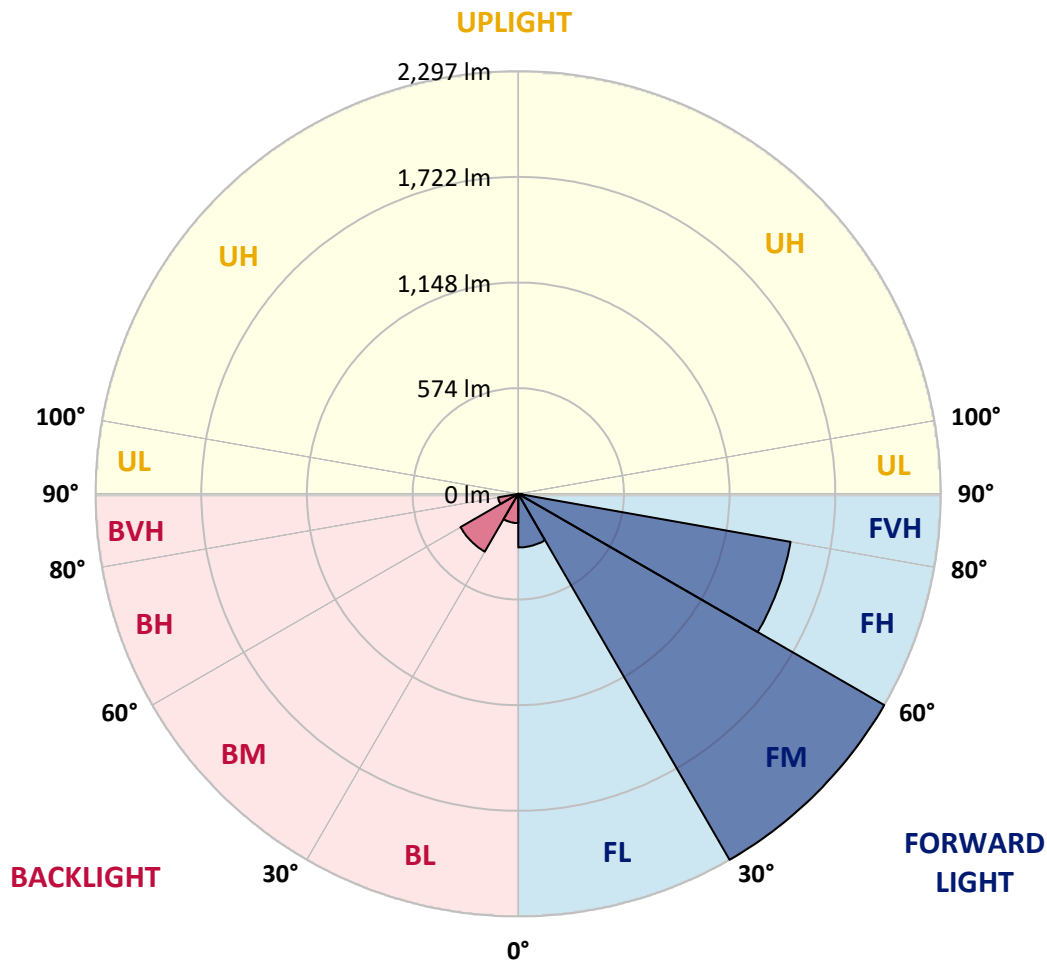
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	291.5	6.1			
FM (30°-60°)	2296.6	48.4			
FH (60°-80°)	1502.8	31.7			G1/1800
FVH (80°-90°)	21.3	0.4			G1/100
BL (0°-30°)	159.4	3.4	B1/500		
BM (30°-60°)	362.9	7.6	B1/1000		
BH (60°-80°)	111.4	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1
2.5°	550.2	554.0	553.1	552.1	551.8	552.4	552.8	552.4	552.4	552.4
5°	539.7	542.9	542.9	545.1	548.3	552.1	555.0	555.6	556.3	557.2
7.5°	519.7	522.2	524.1	531.4	539.4	549.6	558.2	562.6	563.3	566.8
10°	506.0	509.2	512.3	520.0	531.4	546.7	561.4	572.2	573.8	582.0
12.5°	505.3	508.5	512.7	520.9	534.3	550.5	568.4	583.9	586.8	598.9
15°	512.0	515.8	519.7	529.8	544.2	563.9	583.0	602.4	605.3	622.5
17.5°	525.7	530.8	533.7	543.9	559.1	581.1	606.2	628.5	631.0	651.1
20°	552.8	558.8	559.8	568.0	583.0	606.5	636.5	664.1	667.3	690.2
22.5°	608.8	617.4	609.7	613.9	627.2	650.8	683.2	718.2	722.7	748.8
25°	707.4	719.5	699.8	692.8	698.5	723.0	763.7	808.0	813.1	834.1
27.5°	901.2	885.6	855.7	826.4	809.3	823.3	869.1	923.8	930.2	950.5
30°	1114.1	1100.4	1060.0	995.1	954.4	952.1	994.5	1055.6	1062.9	1082.3
32.5°	1327.3	1314.3	1270.4	1190.5	1119.8	1084.8	1114.1	1181.9	1185.7	1198.1
35°	1537.0	1523.7	1479.8	1398.0	1311.1	1231.5	1225.8	1302.2	1303.5	1316.5
37.5°	1748.0	1736.9	1690.1	1609.9	1524.3	1414.5	1361.4	1416.1	1417.7	1430.4
40°	1898.5	1903.3	1871.2	1809.1	1735.6	1615.6	1513.5	1537.4	1527.8	1549.1
42.5°	2027.7	2037.3	2009.3	1978.1	1935.5	1829.8	1701.9	1697.7	1682.5	1693.9
45°	2139.4	2147.4	2122.3	2114.9	2114.0	2039.8	1907.8	1883.0	1861.6	1859.4
47.5°	2180.5	2195.8	2206.6	2231.1	2278.8	2247.6	2120.7	2082.2	2058.3	2040.8
50°	2196.1	2212.3	2249.2	2320.5	2433.5	2446.9	2332.6	2289.3	2260.1	2228.2
52.5°	2175.1	2204.0	2253.7	2373.7	2537.5	2606.6	2536.0	2498.1	2464.7	2412.8
55°	2051.3	2080.3	2181.8	2373.0	2589.4	2718.6	2728.2	2711.3	2673.8	2592.0
57.5°	1790.4	1833.3	1994.0	2292.2	2588.5	2815.0	2916.6	2928.7	2886.6	2769.5
60°	1428.8	1487.1	1683.1	2113.0	2508.6	2867.2	3081.7	3142.2	3097.6	2944.6
62.5°	997.0	1064.5	1250.0	1832.4	2325.9	2829.7	3202.3	3314.0	3280.3	3101.1
65°	608.1	629.8	779.3	1441.9	2015.3	2672.5	3239.6	3406.9	3395.8	3196.9
67.5°	405.1	423.2	466.2	988.7	1564.4	2358.4	3150.5	3390.7	3393.9	3181.3
70°	244.1	259.7	287.7	575.0	1013.9	1866.7	2874.6	3183.9	3202.3	2972.9
72.5°	100.6	111.1	136.5	260.6	525.1	1184.8	2289.0	2733.6	2776.5	2499.7
75°	57.0	62.4	80.2	130.8	227.9	552.1	1386.5	1940.6	2003.9	1722.9
77.5°	37.9	40.4	51.9	84.6	128.2	188.4	592.5	1011.0	1131.9	941.0
80°	25.5	27.7	35.6	56.6	83.4	80.8	188.7	374.6	460.8	323.3
82.5°	17.2	17.5	25.5	37.2	52.8	39.1	55.7	116.5	146.4	93.6
85°	9.9	9.5	18.8	21.6	23.5	16.2	16.9	35.0	45.8	39.5
87.5°	1.3	1.9	7.3	5.7	3.2	3.5	3.5	6.0	8.9	9.5
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°
552.1	0°	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1	552.1
552.8	2.5°	552.8	552.4	551.5	550.5	548.3	547.0	547.7	547.0	546.7	547.0
556.9	5°	556.9	555.9	553.4	550.2	545.8	540.4	536.9	531.8	527.0	524.1
568.0	7.5°	568.0	567.1	563.6	554.7	540.4	517.8	497.1	478.9	465.2	457.3
585.9	10°	585.9	584.3	578.9	559.1	521.6	472.3	431.2	397.1	374.9	364.4
606.9	12.5°	606.9	605.0	595.4	555.0	485.9	408.9	352.3	314.4	293.7	284.5
631.0	15°	631.7	629.1	610.4	535.3	434.1	338.9	287.0	258.7	245.4	237.1
661.9	17.5°	662.6	658.1	621.5	505.7	377.7	285.5	246.9	225.6	213.8	205.9
702.3	20°	702.6	695.3	630.4	470.3	325.9	251.7	219.9	202.1	193.2	186.2
759.6	22.5°	758.7	748.2	641.2	432.2	289.3	228.5	199.8	186.8	179.5	171.5
839.5	25°	828.0	815.6	654.6	396.8	264.1	208.4	185.2	174.4	165.8	156.6
944.2	27.5°	925.1	902.8	670.5	367.9	242.5	191.3	171.8	159.8	149.9	142.2
1062.9	30°	1033.3	996.7	684.5	350.4	222.8	175.3	154.3	142.2	133.0	127.6
1169.5	32.5°	1135.8	1086.1	693.7	342.7	204.9	157.2	135.2	122.2	115.2	113.6
1273.9	35°	1232.5	1166.9	692.8	335.4	189.0	139.1	116.5	103.1	97.7	98.7
1386.2	37.5°	1343.9	1253.2	686.1	324.0	176.0	122.5	100.2	88.5	83.7	84.0
1522.7	40°	1473.4	1352.8	682.0	302.3	161.7	107.2	86.9	77.3	73.8	72.6
1666.6	42.5°	1611.5	1449.2	682.6	277.8	143.8	93.6	77.6	69.7	66.5	65.6
1826.6	45°	1750.3	1541.2	683.6	252.4	125.1	83.1	71.0	64.3	62.4	61.1
1988.9	47.5°	1880.7	1619.5	665.7	225.0	106.6	75.1	65.6	61.1	59.5	57.9
2151.9	50°	2002.3	1671.7	622.8	193.2	92.0	68.7	61.4	58.2	56.6	55.1
2299.5	52.5°	2096.8	1679.9	551.8	160.4	81.8	64.0	58.9	56.0	54.1	52.5
2418.9	55°	2138.8	1628.1	450.9	129.8	73.8	59.8	56.3	53.5	51.2	49.6
2512.7	57.5°	2128.0	1518.9	351.6	104.4	66.2	55.7	53.1	51.2	48.7	46.1
2588.8	60°	2074.8	1372.8	265.1	86.9	59.2	51.2	49.6	48.1	44.6	40.7
2618.1	62.5°	1982.9	1189.2	189.0	71.9	51.6	46.1	45.5	44.2	39.1	32.1
2574.8	65°	1842.2	966.1	127.3	59.8	44.2	40.4	40.7	38.5	31.8	23.9
2416.3	67.5°	1636.6	706.5	81.5	49.0	36.9	33.7	34.1	32.8	27.0	20.4
2115.9	70°	1374.7	467.8	53.1	37.2	29.6	26.1	28.0	28.3	22.9	16.5
1623.9	72.5°	1007.8	276.2	37.2	27.7	21.6	18.1	22.9	23.5	18.5	12.4
977.0	75°	574.4	131.1	28.0	20.0	13.4	12.7	17.8	17.8	12.7	8.3
422.9	77.5°	241.2	54.7	19.7	13.0	7.6	7.3	12.1	11.1	6.4	3.8
103.1	80°	69.7	24.5	10.5	6.4	3.2	2.9	4.8	3.5	1.6	0.6
39.1	82.5°	27.4	10.8	4.1	2.5	1.3	1.3	0.6	0.0	0.0	0.0
22.3	85°	16.2	4.5	1.9	1.0	0.3	0.0	0.0	0.0	0.0	0.0
4.8	87.5°	4.1	1.0	0.6	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

(END O



180°
552.1
548.3
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