

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: P946271

Luminaire Tested: **GLAN-SB2A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6274 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
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

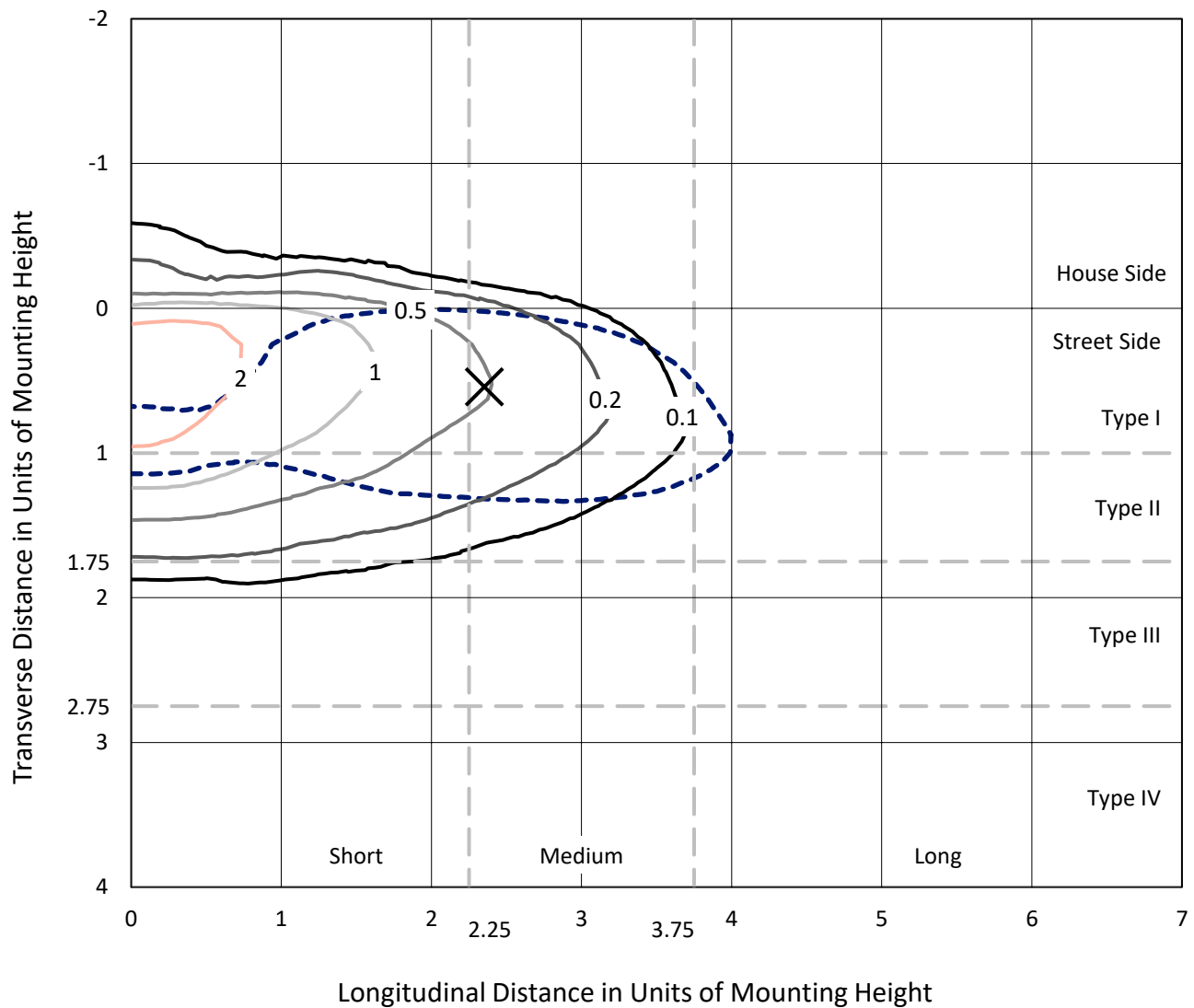


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

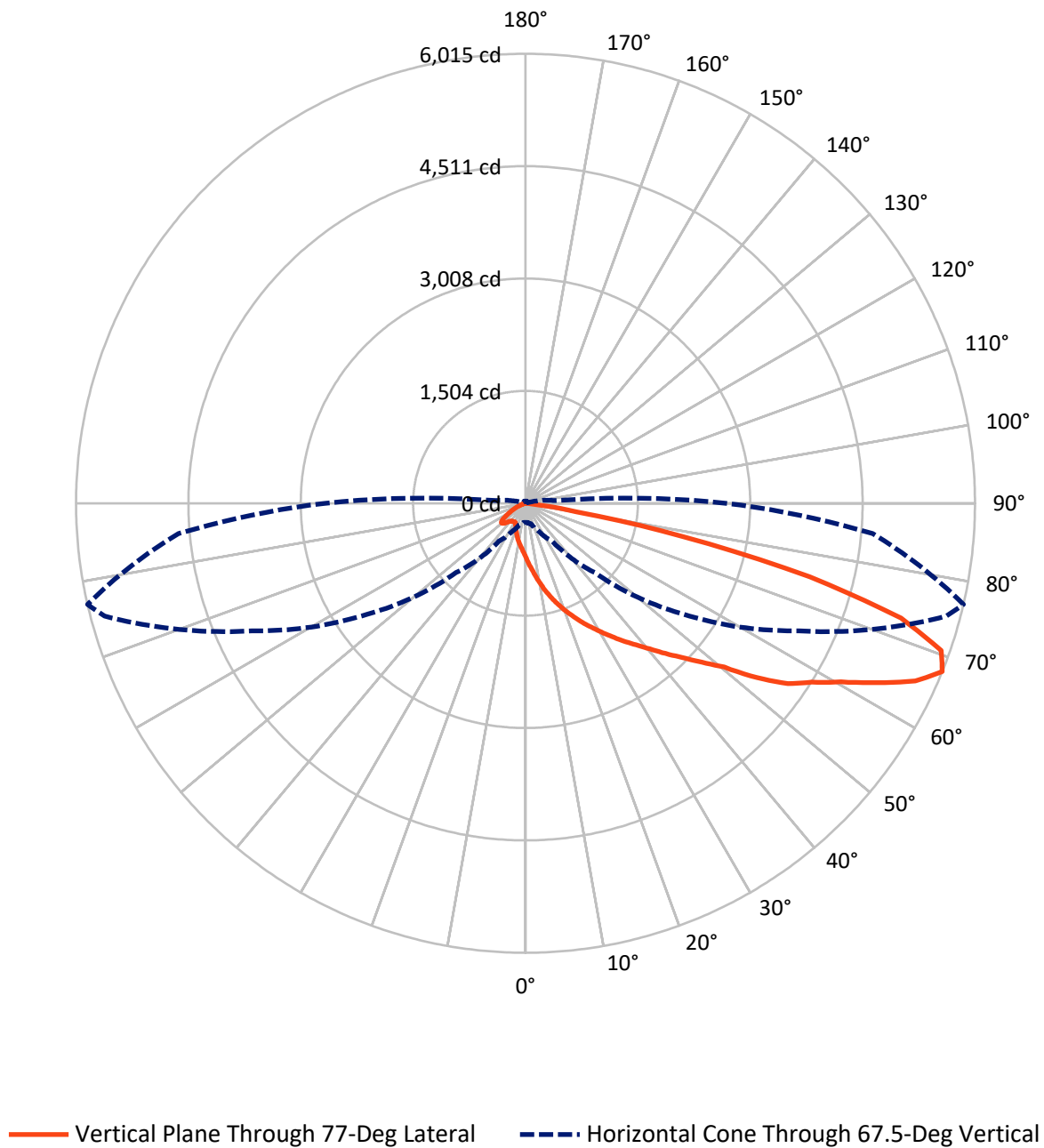


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	461.6	0.0	461.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	5812.4	0.0	5812.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	6274.0	0.0	6274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	1.2
10°-20°	258.6	4.1
20°-30°	499.0	8.0
30°-40°	866.3	13.8
40°-50°	1257.8	20.0
50°-60°	1444.5	23.0
60°-70°	1254.1	20.0
70°-80°	590.7	9.4
80°-90°	29.2	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°	6274.0	100.0
0°-180°	6274.0	100.0

Coefficient of Utilization



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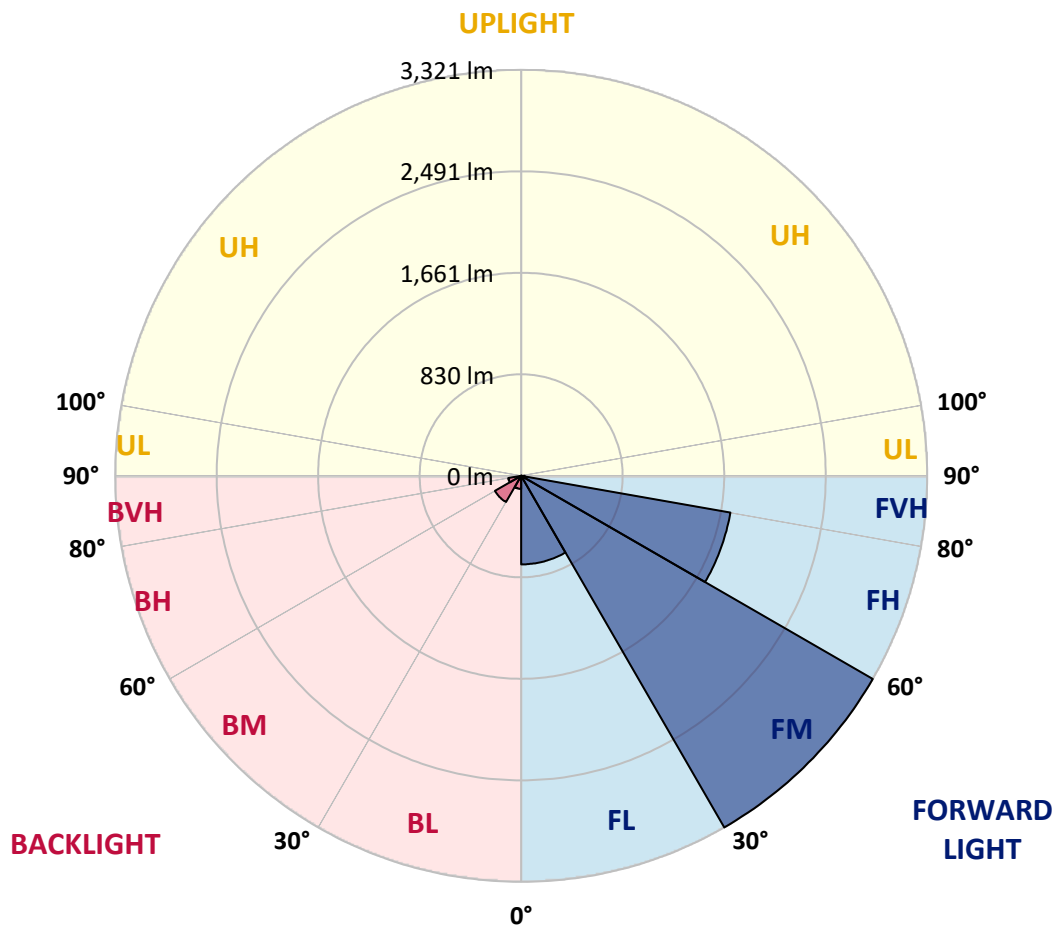
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	724.6	11.5			
FM	(30°-60°)	3321.3	52.9			
FH	(60°-80°)	1737.9	27.7			G1/1800
FVH	(80°-90°)	28.7	0.5			G1/100
BL	(0°-30°)	106.9	1.7	B0/110		
BM	(30°-60°)	247.3	3.9	B1/1000		
BH	(60°-80°)	106.9	1.7	B0/110		G0/110
BVH	(80°-90°)	0.5	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5
2.5°	1001.7	1007.9	998.9	981.8	956.1	939.3	898.4	859.8	817.0	803.4
5°	1221.0	1226.5	1216.3	1197.6	1163.3	1130.6	1076.9	996.2	912.4	885.6
7.5°	1383.5	1386.6	1382.7	1365.5	1332.8	1295.8	1235.8	1140.4	1016.1	986.5
10°	1500.3	1510.5	1509.3	1502.7	1480.9	1450.9	1387.0	1278.3	1132.2	1094.0
12.5°	1577.9	1589.2	1595.8	1610.6	1609.4	1590.3	1534.2	1419.3	1247.9	1203.1
15°	1600.5	1612.5	1637.9	1672.2	1702.5	1712.3	1672.9	1557.6	1375.3	1318.0
17.5°	1587.6	1606.3	1636.7	1690.9	1757.5	1801.5	1797.2	1691.2	1491.0	1425.5
20°	1616.1	1634.0	1657.7	1703.3	1780.9	1860.7	1892.7	1819.0	1605.9	1537.4
22.5°	1773.5	1770.3	1772.7	1780.1	1826.4	1905.5	1971.4	1935.1	1719.7	1649.6
25°	2022.8	2008.8	1985.0	1944.9	1933.2	1971.4	2039.9	2038.0	1839.7	1764.5
27.5°	2308.8	2306.4	2250.7	2154.1	2099.5	2084.7	2117.5	2138.1	1958.5	1878.3
30°	2582.6	2588.9	2513.7	2406.2	2306.0	2248.0	2218.4	2233.2	2079.3	2001.0
32.5°	2821.1	2827.7	2745.9	2620.0	2496.2	2426.0	2363.7	2327.1	2211.0	2125.6
35°	3022.5	3029.1	2935.2	2796.1	2664.1	2600.6	2530.1	2429.9	2343.4	2264.0
37.5°	3202.5	3200.6	3074.7	2934.5	2804.7	2754.5	2717.4	2556.5	2479.8	2403.0
40°	3308.9	3317.0	3209.5	3054.8	2929.0	2892.4	2890.0	2713.6	2637.2	2562.8
42.5°	3340.0	3354.4	3276.5	3149.5	3035.4	2995.6	3056.8	2883.4	2820.3	2747.8
45°	3283.9	3298.0	3262.5	3174.4	3107.8	3082.1	3200.2	3059.5	3015.9	2944.2
47.5°	3120.3	3137.8	3146.4	3127.7	3126.9	3153.0	3328.7	3245.0	3248.1	3174.8
50°	2803.6	2833.2	2911.9	2978.1	3080.6	3209.1	3453.8	3446.0	3509.9	3446.8
52.5°	2227.7	2269.8	2541.0	2722.1	2952.4	3198.6	3591.3	3768.6	3969.2	3876.9
55°	1790.2	1790.2	2010.7	2349.7	2702.3	3129.3	3651.3	3978.2	4282.1	4260.3
57.5°	1459.4	1477.0	1617.6	1917.2	2340.3	2964.1	3688.3	4109.9	4534.1	4518.2
60°	900.8	938.5	1204.2	1500.0	1928.5	2669.9	3665.0	4243.1	4840.0	4852.8
62.5°	507.3	521.3	639.7	1079.2	1499.6	2274.5	3486.1	4317.5	5231.1	5285.7
65°	350.2	357.3	402.8	671.7	1039.4	1810.9	3136.7	4271.2	5623.1	5733.3
67.5°	254.4	257.9	286.4	410.2	616.7	1312.9	2588.9	4037.4	5830.7	6015.0
70°	195.6	197.9	218.6	269.6	364.3	810.4	1880.2	3572.6	5680.3	5900.5
72.5°	159.0	161.3	177.3	199.5	241.6	479.2	1139.6	2901.3	5016.5	5254.1
75°	134.0	137.1	151.6	166.0	189.3	307.8	534.5	2020.5	3772.5	3928.3
77.5°	74.4	68.6	123.1	137.5	159.7	194.8	250.1	1189.1	2112.8	2156.0
80°	46.4	47.9	97.8	110.6	122.7	98.2	114.5	457.8	732.4	695.8
82.5°	2.7	6.2	75.2	79.9	84.2	42.1	43.2	155.4	176.5	162.1
85°	0.0	0.0	34.3	27.7	29.2	12.1	12.5	36.2	23.8	25.7
87.5°	0.0	0.0	0.0	0.8	0.0	1.2	2.3	3.1	1.2	1.6
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°
723.5	0°	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5	723.5
760.5	2.5°	733.2	706.0	650.6	596.5	552.5	511.5	482.3	454.7	440.6	439.9
809.6	5°	755.4	698.2	587.5	489.7	411.0	347.9	307.0	277.8	263.0	257.9
870.0	7.5°	786.6	700.5	532.2	396.2	303.5	249.3	226.0	216.6	213.5	210.0
938.2	10°	825.9	706.0	482.7	319.1	239.2	211.9	202.6	198.7	196.4	194.0
1014.9	12.5°	870.0	711.0	433.6	264.9	210.4	196.4	189.7	185.1	181.9	179.2
1093.6	15°	912.8	714.1	382.6	227.1	195.6	184.3	177.3	172.2	167.9	164.8
1170.7	17.5°	955.3	718.4	334.7	204.5	183.5	172.2	165.2	159.0	155.4	151.9
1251.8	20°	1002.4	717.6	289.5	188.6	171.4	160.1	152.7	146.9	143.4	139.5
1337.5	22.5°	1046.1	713.7	249.7	174.9	159.0	148.0	139.9	134.0	130.5	127.4
1425.2	25°	1096.3	710.6	216.6	162.5	147.3	136.4	127.4	121.9	118.0	115.3
1513.2	27.5°	1144.6	706.0	192.5	151.2	136.0	125.5	116.9	110.6	107.1	105.2
1604.0	30°	1192.2	704.8	183.5	140.3	125.8	115.3	106.7	100.9	98.2	97.4
1703.7	32.5°	1249.4	707.9	187.4	136.4	116.5	106.0	97.8	93.5	90.8	90.8
1814.7	35°	1310.6	707.1	193.2	139.9	110.3	96.6	90.4	87.7	84.9	84.9
1937.9	37.5°	1387.4	708.3	197.9	145.7	107.9	88.8	85.3	81.8	80.3	80.3
2072.7	40°	1501.9	746.9	195.6	150.8	107.1	83.4	76.4	75.2	74.0	74.0
2225.0	42.5°	1642.2	830.6	198.7	151.2	106.7	79.5	70.1	72.5	69.7	69.3
2396.8	45°	1795.7	922.2	218.6	143.0	106.4	77.5	67.0	69.7	65.5	65.5
2595.9	47.5°	1948.0	1013.0	238.8	131.3	105.2	77.1	64.3	62.7	61.6	61.9
2855.4	50°	2158.0	1087.0	246.6	115.3	102.5	76.4	59.2	59.6	58.8	59.6
3221.2	52.5°	2386.7	1102.6	237.3	97.4	94.7	74.0	55.7	57.3	56.9	57.7
3478.7	55°	2529.3	1085.8	196.0	81.0	82.6	64.7	52.2	55.3	55.3	55.3
3730.4	57.5°	2676.5	1014.5	139.1	65.8	68.6	53.0	49.1	53.4	53.0	52.6
4033.5	60°	2782.5	899.2	91.6	54.2	54.5	43.6	45.6	50.3	49.9	47.9
4346.0	62.5°	2861.6	771.8	58.8	46.0	41.7	39.3	41.7	45.6	44.0	39.7
4610.9	65°	2852.6	595.3	45.2	39.3	34.3	34.3	36.2	39.7	35.1	28.1
4661.5	67.5°	2686.3	402.8	37.4	33.1	28.8	28.4	30.0	33.1	30.0	23.8
4402.1	70°	2389.0	263.4	30.0	25.7	23.0	21.0	24.2	28.4	25.3	19.1
3747.5	72.5°	1939.0	160.5	22.6	18.7	16.8	13.6	19.1	23.4	20.3	14.0
2606.0	75°	1254.5	81.8	15.6	12.1	9.0	8.2	14.0	17.5	14.0	8.6
1156.3	77.5°	480.0	34.3	8.6	5.5	4.7	3.9	7.8	10.5	5.8	1.9
224.0	80°	92.3	14.4	4.3	2.7	2.3	1.6	1.2	0.8	0.0	0.0
39.7	82.5°	16.0	4.7	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
7.8	85°	5.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.7	87.5°	1.9	0.0	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

(END O

180°
723.5
439.1
257.1
209.2
193.2
178.4
164.4
151.6
139.1
127.0
114.9
105.2
97.0
90.8
84.9
80.3
74.0
69.0
65.5
61.9
59.6
57.7
55.3
52.6
47.9
39.0
27.3
23.0
18.3
13.2
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