

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: P846567

Luminaire Tested: **GLAN-SB2B-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846567
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-SB2B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 450mA 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: 8531 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

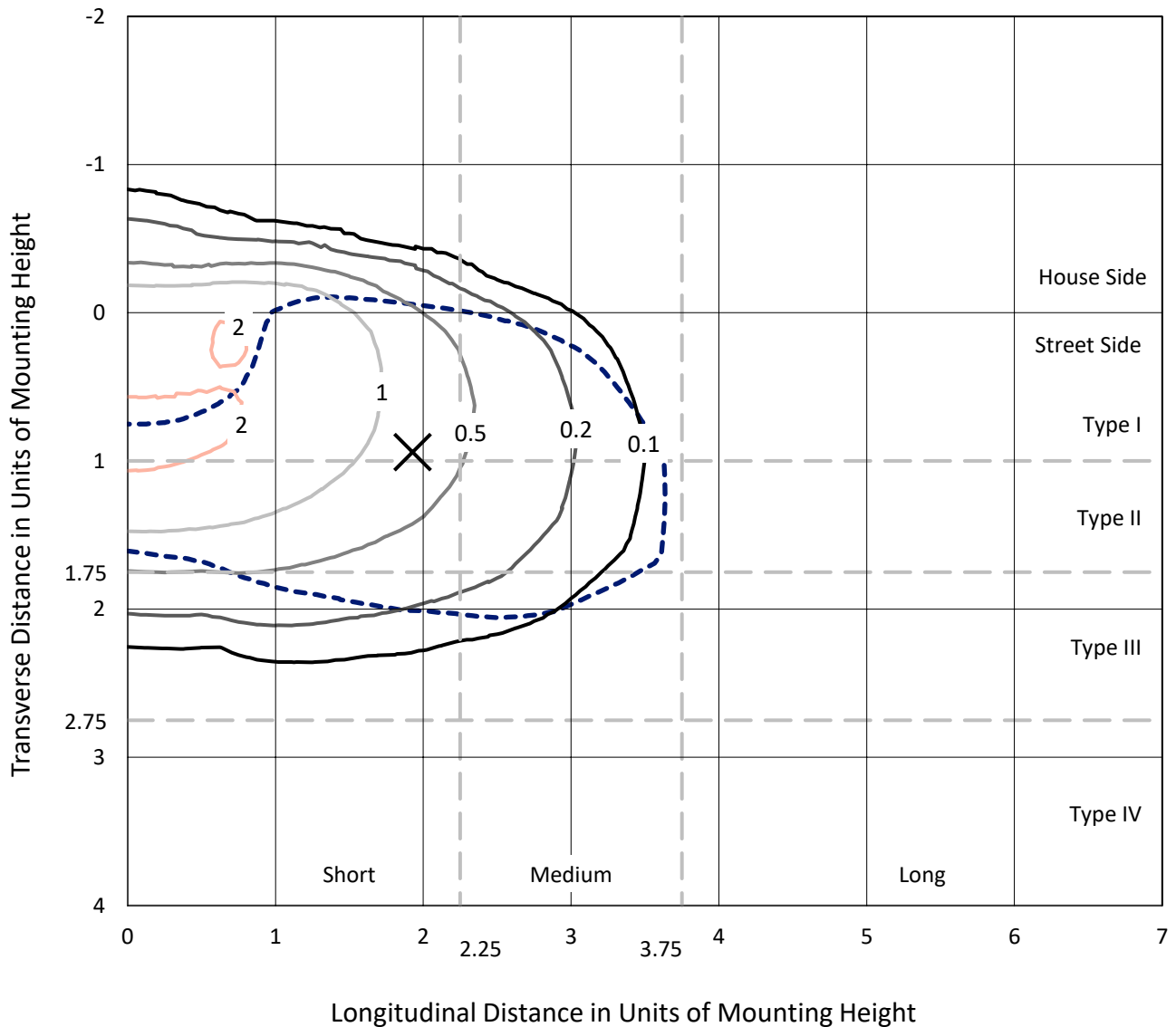
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

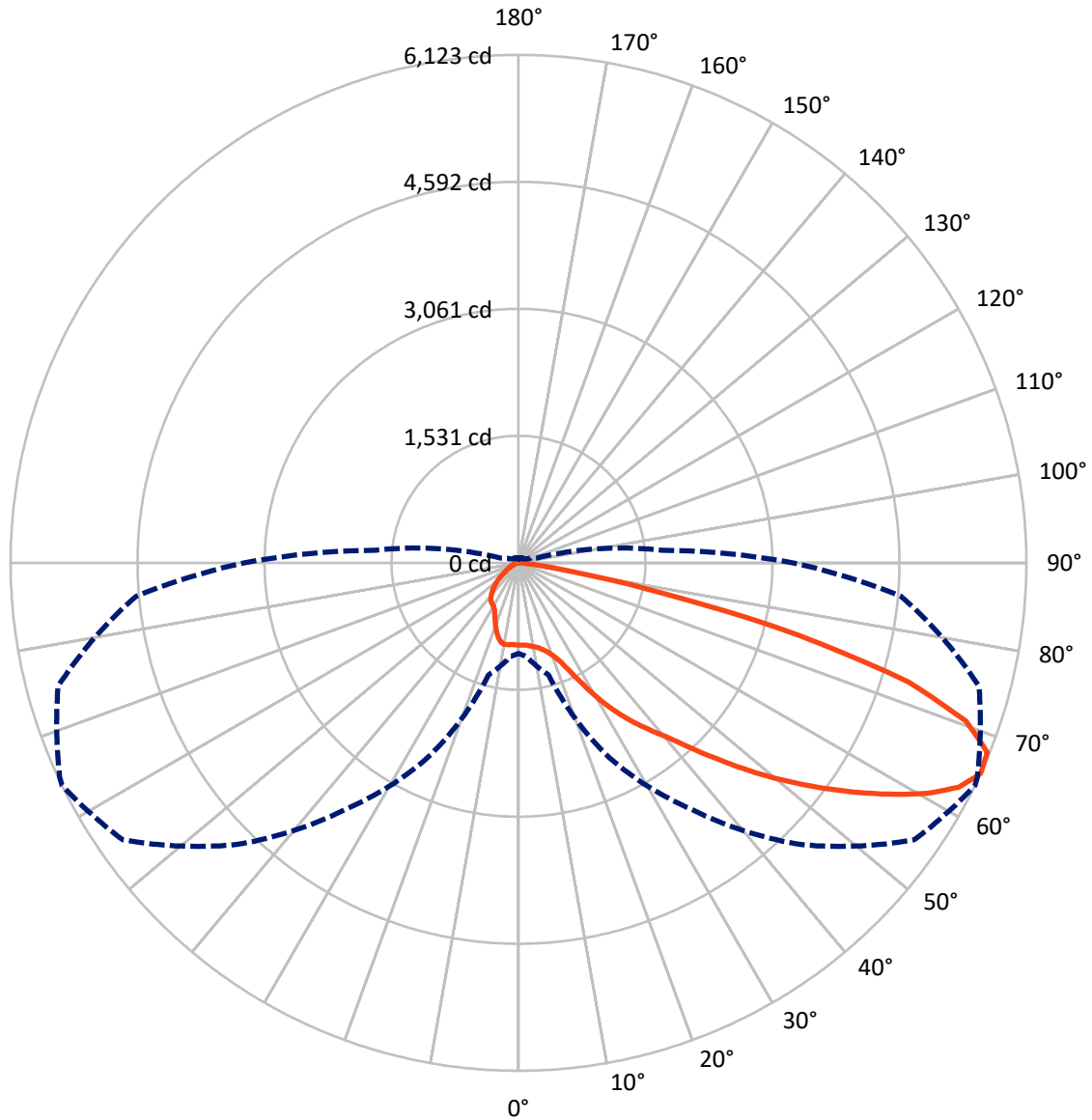
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 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
House Side	Lumens	1140.9	0.0	1140.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	7390.1	0.0	7390.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	8531.0	0.0	8531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.1
10°-20°	248.3	2.9
20°-30°	470.5	5.5
30°-40°	952.1	11.2
40°-50°	1621.8	19.0
50°-60°	2205.6	25.9
60°-70°	2071.2	24.3
70°-80°	829.8	9.7
80°-90°	40.2	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°	8531.0	100.0
0°-180°	8531.0	100.0

Coefficient of Utilization



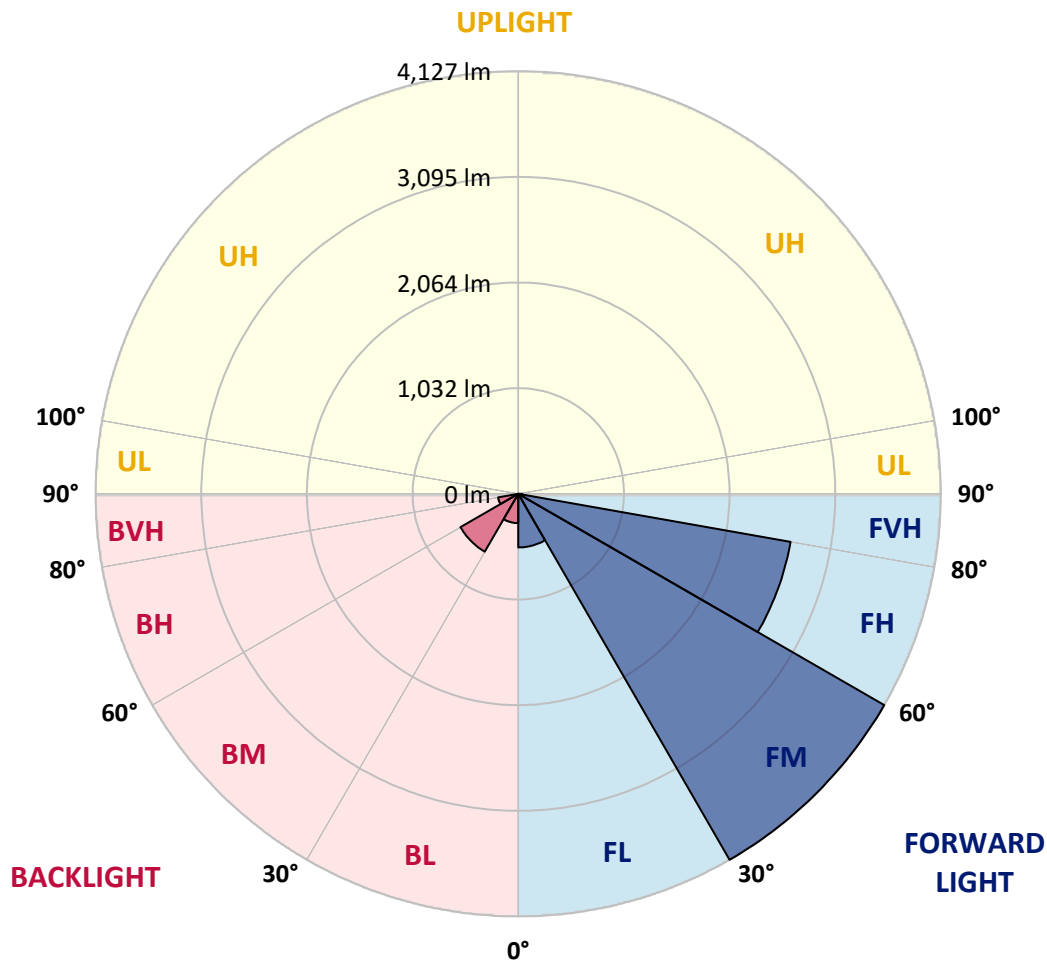
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	523.9	6.1			
FM (30°-60°)	4127.3	48.4			
FH (60°-80°)	2700.7	31.7			G2/5000
FVH (80°-90°)	38.2	0.4			G1/100
BL (0°-30°)	286.4	3.4	B1/500		
BM (30°-60°)	652.2	7.6	B1/1000		
BH (60°-80°)	200.2	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2
2.5°	988.8	995.7	994.0	992.2	991.7	992.8	993.4	992.8	992.8	992.8
5°	969.9	975.7	975.7	979.7	985.4	992.2	997.4	998.5	999.7	1001.4
7.5°	933.9	938.5	941.9	955.1	969.4	987.7	1003.1	1011.1	1012.3	1018.6
10°	909.3	915.0	920.8	934.5	955.1	982.5	1008.8	1028.3	1031.1	1046.0
12.5°	908.2	913.9	921.3	936.2	960.2	989.4	1021.4	1049.4	1054.6	1076.3
15°	920.2	927.0	933.9	952.2	977.9	1013.4	1047.7	1082.6	1087.8	1118.6
17.5°	944.8	953.9	959.1	977.4	1004.8	1044.3	1089.5	1129.5	1134.1	1170.1
20°	993.4	1004.3	1006.0	1020.8	1047.7	1090.0	1143.8	1193.6	1199.3	1240.4
22.5°	1094.0	1109.5	1095.8	1103.2	1127.2	1169.5	1227.9	1290.8	1298.8	1345.7
25°	1271.3	1293.1	1257.6	1245.0	1255.3	1299.4	1372.6	1452.1	1461.2	1498.9
27.5°	1619.6	1591.6	1537.8	1485.2	1454.3	1479.5	1561.9	1660.2	1671.7	1708.3
30°	2002.2	1977.6	1905.0	1788.3	1715.1	1711.1	1787.2	1897.0	1910.1	1945.0
32.5°	2385.4	2361.9	2283.0	2139.5	2012.5	1949.6	2002.2	2124.0	2130.9	2153.2
35°	2762.3	2738.2	2659.3	2512.4	2356.2	2213.2	2203.0	2340.2	2342.5	2365.9
37.5°	3141.4	3121.4	3037.4	2893.2	2739.4	2542.1	2446.6	2544.9	2547.8	2570.7
40°	3411.9	3420.5	3362.8	3251.2	3119.1	2903.5	2719.9	2762.8	2745.7	2784.0
42.5°	3644.1	3661.3	3611.0	3554.9	3478.3	3288.4	3058.5	3051.1	3023.6	3044.2
45°	3844.9	3859.2	3814.0	3800.8	3799.1	3665.9	3428.5	3383.9	3345.6	3341.6
47.5°	3918.6	3946.1	3965.5	4009.6	4095.4	4039.3	3811.1	3741.9	3699.0	3667.6
50°	3946.7	3975.8	4042.2	4170.3	4373.3	4397.3	4192.0	4114.2	4061.6	4004.4
52.5°	3908.9	3961.0	4050.2	4265.8	4560.3	4684.4	4557.5	4489.4	4429.4	4336.1
55°	3686.5	3738.5	3920.9	4264.6	4653.5	4885.7	4902.9	4872.6	4805.1	4658.1
57.5°	3217.5	3294.7	3583.5	4119.4	4651.8	5059.0	5241.4	5263.2	5187.7	4977.2
60°	2567.8	2672.5	3024.8	3797.4	4508.3	5152.8	5538.3	5646.9	5566.9	5291.8
62.5°	1791.8	1913.0	2246.4	3293.0	4180.0	5085.3	5755.0	5955.8	5895.1	5573.2
65°	1092.9	1131.8	1400.6	2591.3	3621.8	4802.8	5821.9	6122.7	6102.7	5745.3
67.5°	728.0	760.6	837.8	1776.9	2811.5	4238.3	5661.8	6093.6	6099.3	5717.3
70°	438.6	466.7	517.0	1033.4	1822.1	3354.8	5166.0	5721.8	5755.0	5342.7
72.5°	180.7	199.6	245.3	468.4	943.6	2129.2	4113.7	4912.6	4989.8	4492.3
75°	102.4	112.1	144.1	235.1	409.5	992.2	2491.8	3487.4	3601.2	3096.3
77.5°	68.1	72.6	93.2	152.1	230.5	338.6	1064.9	1816.9	2034.2	1691.1
80°	45.8	49.8	64.1	101.8	149.8	145.3	339.1	673.1	828.1	581.0
82.5°	30.9	31.5	45.8	66.9	94.9	70.3	100.1	209.3	263.1	168.1
85°	17.7	17.2	33.7	38.9	42.3	29.2	30.3	62.9	82.4	70.9
87.5°	2.3	3.4	13.2	10.3	5.7	6.3	6.3	10.9	16.0	17.2
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°
992.2	0°	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2	992.2
993.4	2.5°	993.4	992.8	991.1	989.4	985.4	983.1	984.2	983.1	982.5	983.1
1000.8	5°	1000.8	999.1	994.5	988.8	980.8	971.1	964.8	955.6	947.1	941.9
1020.8	7.5°	1020.8	1019.1	1012.8	996.8	971.1	930.5	893.3	860.7	836.1	821.8
1052.9	10°	1052.9	1050.0	1040.3	1004.8	937.3	848.7	774.9	713.7	673.7	654.8
1090.6	12.5°	1090.6	1087.2	1070.0	997.4	873.3	734.9	633.1	565.0	527.9	511.3
1134.1	15°	1135.2	1130.6	1096.9	961.9	780.1	609.1	515.9	465.0	440.9	426.1
1189.5	17.5°	1190.7	1182.7	1116.9	908.7	678.8	513.0	443.8	405.5	384.3	370.0
1262.2	20°	1262.8	1249.6	1132.9	845.3	585.6	452.4	395.2	363.2	347.1	334.6
1365.1	22.5°	1363.4	1344.5	1152.4	776.6	519.9	410.6	359.2	335.7	322.6	308.3
1508.7	25°	1488.1	1465.8	1176.4	713.2	474.7	374.6	332.8	313.4	298.0	281.4
1696.8	27.5°	1662.5	1622.5	1205.0	661.1	435.8	343.7	308.8	287.1	269.4	255.6
1910.1	30°	1857.0	1791.2	1230.2	629.7	400.3	315.1	277.4	255.6	239.1	229.3
2101.7	32.5°	2041.1	1951.9	1246.7	615.9	368.3	282.5	243.1	219.6	207.0	204.2
2289.3	35°	2215.0	2097.2	1245.0	602.8	339.7	249.9	209.3	185.3	175.6	177.3
2491.2	37.5°	2415.1	2252.1	1233.0	582.2	316.3	220.2	180.1	159.0	150.4	151.0
2736.5	40°	2647.9	2431.1	1225.6	543.3	290.5	192.7	156.1	139.0	132.7	130.4
2995.0	42.5°	2896.1	2604.4	1226.7	499.3	258.5	168.1	139.5	125.2	119.5	117.8
3282.7	45°	3145.4	2769.7	1228.4	453.5	224.8	149.3	127.5	115.5	112.1	109.8
3574.4	47.5°	3379.9	2910.4	1196.4	404.3	191.6	135.0	117.8	109.8	106.9	104.1
3867.2	50°	3598.4	3004.2	1119.2	347.1	165.3	123.5	110.4	104.7	101.8	98.9
4132.5	52.5°	3768.2	3019.1	991.7	288.2	147.0	115.0	105.8	100.7	97.2	94.4
4347.0	55°	3843.7	2925.8	810.4	233.3	132.7	107.5	101.2	96.1	92.1	89.2
4515.7	57.5°	3824.3	2729.7	631.9	187.6	119.0	100.1	95.5	92.1	87.5	82.9
4652.4	60°	3728.8	2467.2	476.4	156.1	106.4	92.1	89.2	86.4	80.1	73.2
4705.0	62.5°	3563.5	2137.2	339.7	129.2	92.6	82.9	81.8	79.5	70.3	57.8
4627.2	65°	3310.7	1736.3	228.8	107.5	79.5	72.6	73.2	69.2	57.2	42.9
4342.4	67.5°	2941.3	1269.6	146.4	88.1	66.3	60.6	61.2	58.9	48.6	36.6
3802.6	70°	2470.6	840.7	95.5	66.9	53.2	46.9	50.3	50.9	41.2	29.7
2918.4	72.5°	1811.2	496.4	66.9	49.8	38.9	32.6	41.2	42.3	33.2	22.3
1755.7	75°	1032.3	235.6	50.3	36.0	24.0	22.9	32.0	32.0	22.9	14.9
760.1	77.5°	433.5	98.4	35.5	23.4	13.7	13.2	21.7	20.0	11.4	6.9
185.3	80°	125.2	44.0	18.9	11.4	5.7	5.1	8.6	6.3	2.9	1.1
70.3	82.5°	49.2	19.4	7.4	4.6	2.3	2.3	1.1	0.0	0.0	0.0
40.0	85°	29.2	8.0	3.4	1.7	0.6	0.0	0.0	0.0	0.0	0.0
8.6	87.5°	7.4	1.7	1.1	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°
992.2
985.4
943.1
822.4
653.1
509.6
426.6
368.9
332.3
306.0
279.7
252.8
227.6
205.9
177.3
153.3
129.8
117.2
109.8
104.1
98.9
93.8
88.6
82.4
72.1
56.6
41.7
34.9
28.6
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