

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: P946275

Luminaire Tested: **GLAN-SB2A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6170 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

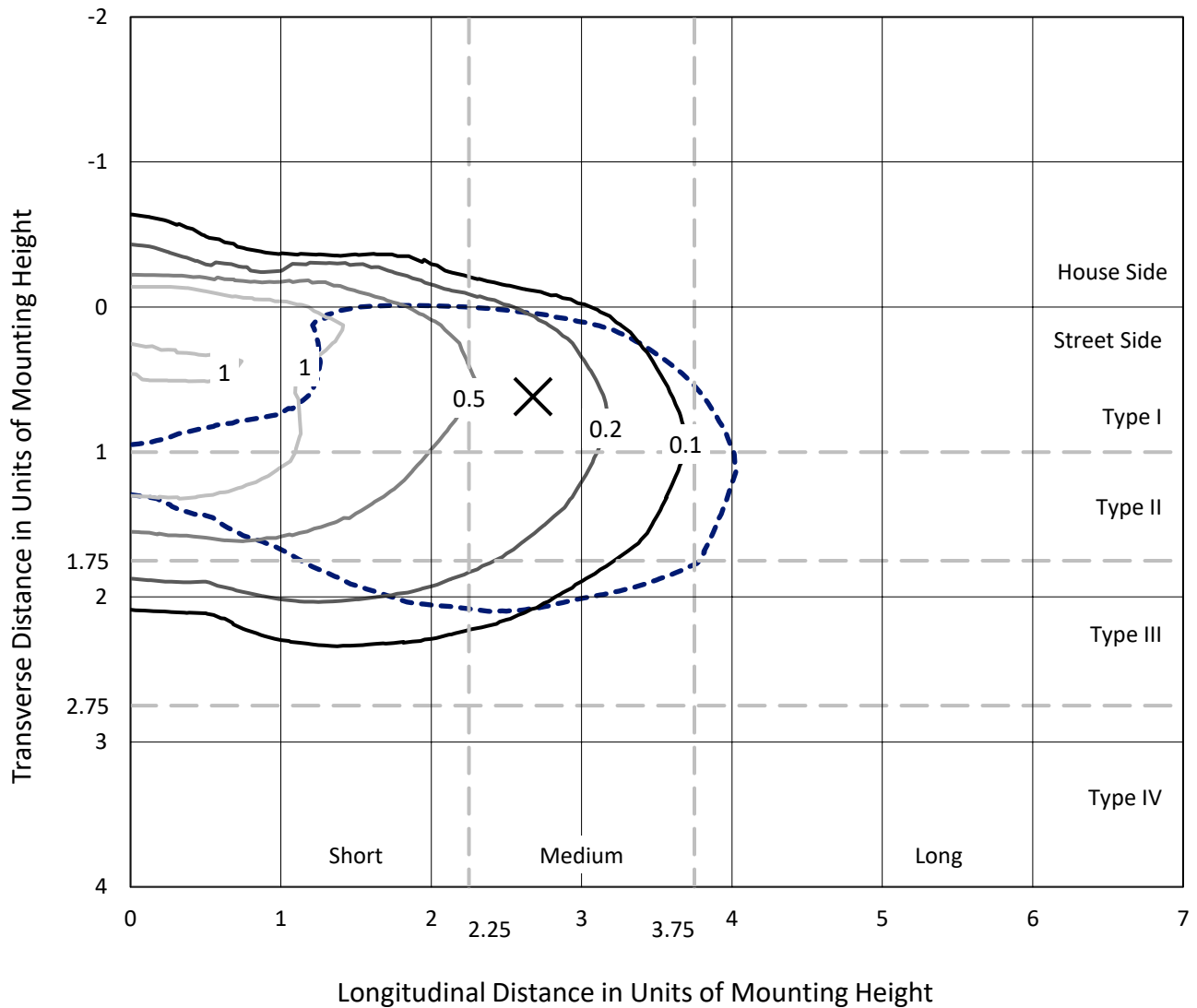
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

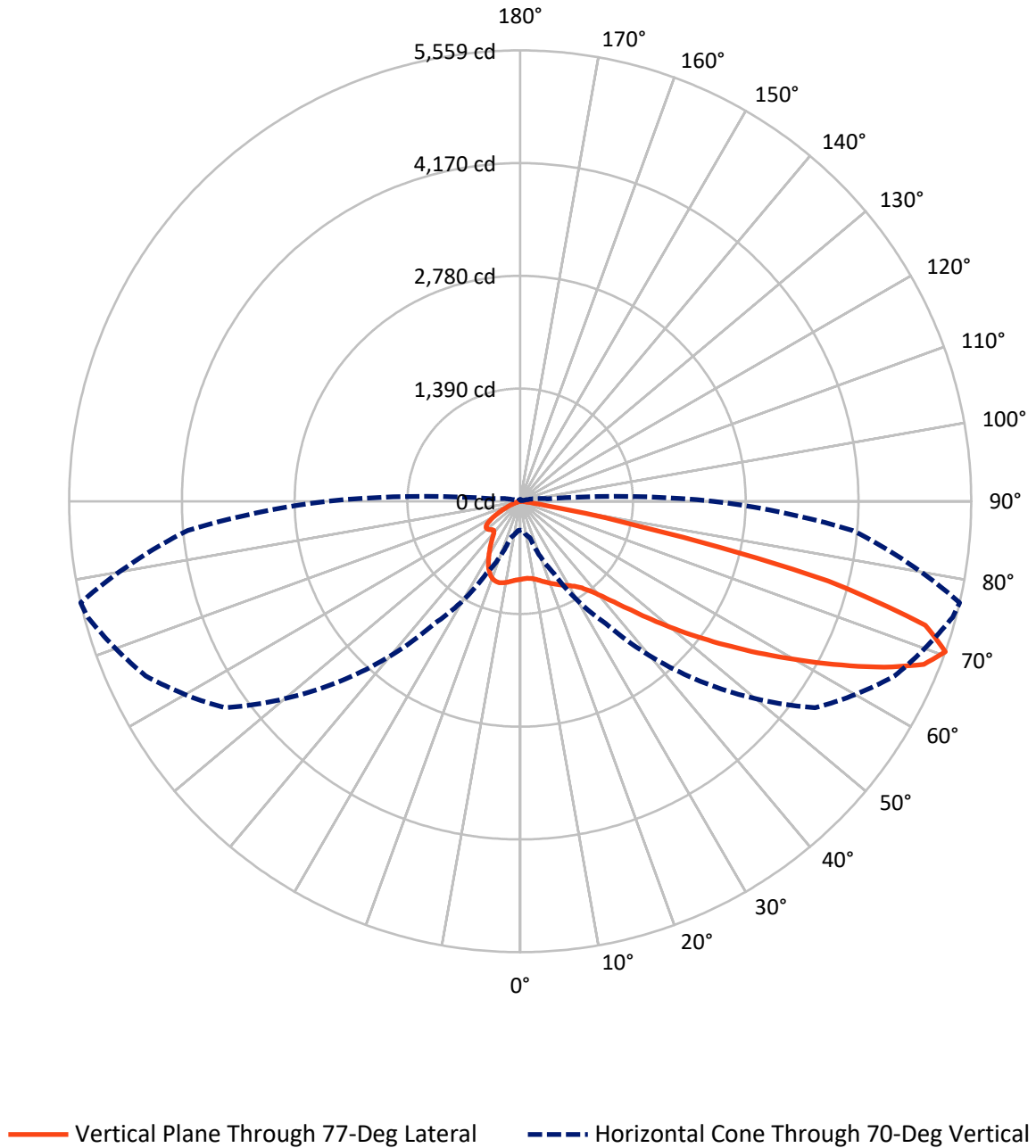
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	650.4	0.0	650.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5519.6	0.0	5519.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	6170.0	0.0	6170.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	1.3
10°-20°	196.9	3.2
20°-30°	304.5	4.9
30°-40°	552.6	9.0
40°-50°	1043.1	16.9
50°-60°	1507.2	24.4
60°-70°	1604.4	26.0
70°-80°	850.2	13.8
80°-90°	27.9	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°	6170.0	100.0
0°-180°	6170.0	100.0

Coefficient of Utilization



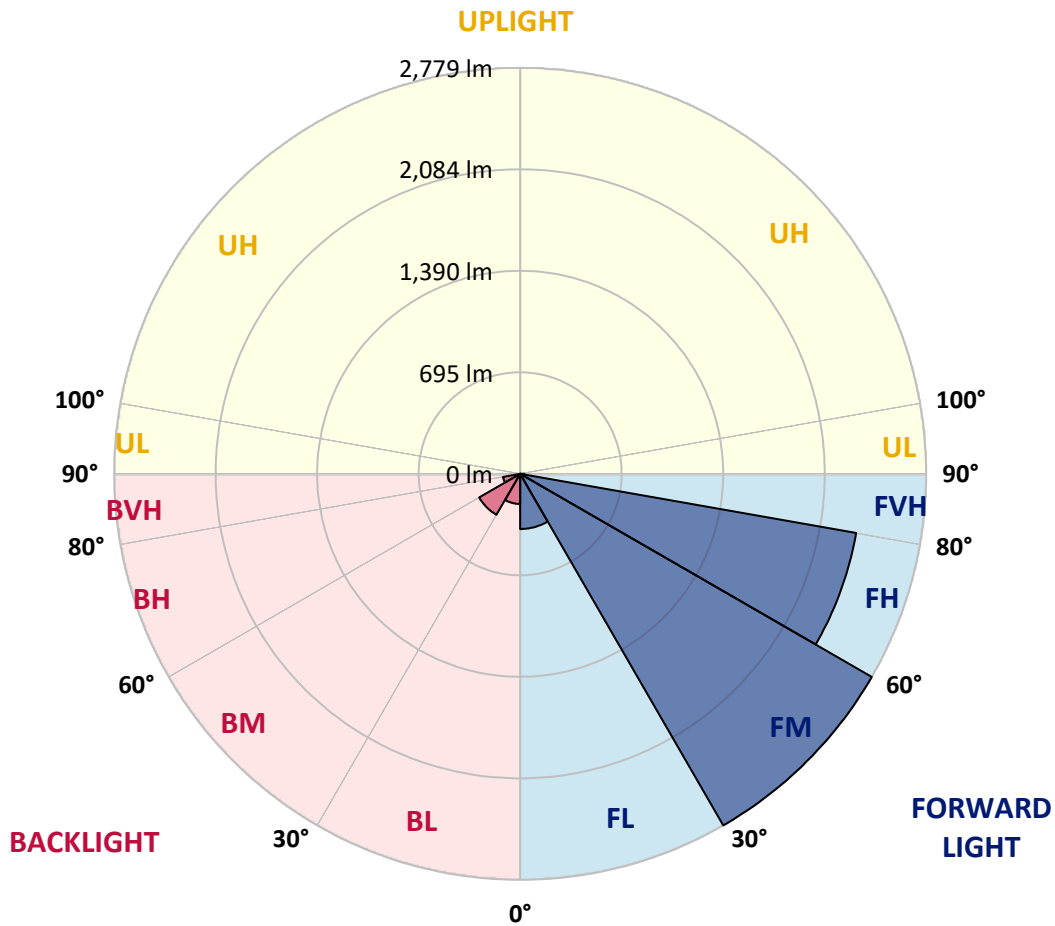
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.8	6.1			
FM (30°-60°)	2779.2	45.0			
FH (60°-80°)	2335.4	37.9			G2/5000
FVH (80°-90°)	27.2	0.4			G1/100
BL (0°-30°)	206.6	3.3	B1/500		
BM (30°-60°)	323.8	5.2	B1/1000		
BH (60°-80°)	119.2	1.9	B1/500		G1/500
BVH (80°-90°)	0.8	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
2.5°	903.6	911.8	910.6	916.0	918.0	925.8	933.6	944.1	955.8	955.4
5°	852.5	860.7	862.7	870.1	879.4	891.5	907.5	928.5	950.3	953.8
7.5°	792.1	800.7	805.8	820.6	837.7	862.7	888.8	919.5	955.8	960.9
10°	731.7	739.5	746.2	767.2	794.5	831.5	874.0	918.4	967.1	974.5
12.5°	694.3	701.7	709.1	727.5	761.4	806.6	864.2	923.8	985.8	996.3
15°	681.1	687.7	693.6	709.9	741.5	792.9	862.3	935.1	1009.6	1023.6
17.5°	683.0	686.5	690.4	702.9	733.7	786.7	865.8	954.6	1037.6	1050.1
20°	694.3	696.3	696.7	705.2	732.5	785.9	872.8	973.3	1064.1	1080.9
22.5°	708.8	709.5	708.8	714.6	739.9	791.7	882.1	995.9	1093.7	1109.3
25°	776.2	761.4	742.7	731.4	752.4	803.0	896.2	1026.3	1126.1	1141.3
27.5°	985.4	942.9	875.9	800.7	778.1	819.4	915.7	1057.1	1158.8	1172.4
30°	1325.2	1269.4	1155.7	986.2	860.7	853.7	941.0	1087.9	1193.5	1208.3
32.5°	1665.7	1652.1	1520.8	1286.2	1046.6	930.1	983.1	1129.6	1239.4	1251.1
35°	2010.1	1982.5	1874.9	1643.1	1333.0	1085.5	1053.2	1184.1	1299.8	1313.1
37.5°	2273.9	2257.2	2190.6	1999.6	1672.7	1325.6	1173.2	1268.7	1387.5	1402.3
40°	2506.9	2499.1	2476.5	2350.7	2052.6	1639.6	1359.8	1399.6	1509.1	1526.6
42.5°	2690.1	2708.4	2721.2	2686.2	2444.2	1998.1	1610.8	1583.5	1678.6	1696.5
45°	2877.5	2883.7	2935.5	2986.2	2833.1	2372.9	1893.6	1799.0	1889.4	1911.6
47.5°	2997.9	3022.8	3114.0	3203.2	3160.0	2744.6	2197.6	2053.4	2133.7	2175.4
50°	3006.8	3054.0	3179.5	3334.9	3398.0	3098.4	2528.0	2343.3	2428.6	2474.6
52.5°	2857.6	2930.9	3125.3	3352.8	3526.6	3398.0	2869.7	2633.2	2742.7	2802.7
55°	2190.9	2286.8	2921.5	3255.4	3531.7	3625.2	3202.4	2935.2	3092.6	3160.4
57.5°	1908.8	1957.2	2296.9	3086.3	3437.8	3716.8	3503.2	3222.7	3473.2	3557.4
60°	1588.2	1651.7	1926.4	2809.7	3310.4	3725.7	3769.0	3593.6	3885.9	3980.6
62.5°	1079.3	1148.3	1421.4	2334.3	3136.2	3721.4	3986.8	3975.5	4344.5	4446.2
65°	668.6	711.9	891.9	1906.1	2892.7	3726.1	4214.7	4439.2	4828.4	4931.7
67.5°	528.4	548.2	642.1	1463.5	2473.0	3620.9	4442.3	4875.2	5283.9	5365.7
70°	355.0	367.0	467.2	981.1	1839.9	3135.4	4438.0	5094.1	5518.5	5559.4
72.5°	187.0	196.4	273.1	454.3	1111.3	2228.7	3740.9	4832.3	5285.1	5223.5
75°	93.5	109.1	183.9	230.7	474.6	1242.9	2323.0	3809.9	4159.8	3921.3
77.5°	70.9	85.7	152.0	152.0	165.2	418.5	983.8	2077.9	1916.6	1596.0
80°	45.2	58.4	132.9	114.9	69.0	106.4	256.4	582.1	407.2	309.8
82.5°	26.5	38.2	110.7	76.0	38.6	39.4	72.5	123.9	105.6	82.2
85°	10.5	24.9	76.0	30.0	15.2	9.7	21.8	26.5	21.8	16.4
87.5°	0.0	5.8	13.2	0.0	1.2	0.8	1.6	1.9	1.9	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°
962.4	0°	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4	962.4
963.2	2.5°	966.7	967.5	969.8	970.2	964.7	957.7	955.0	953.8	949.2	948.8
969.4	5°	978.4	981.9	978.4	968.3	944.1	910.2	884.5	863.4	844.3	838.5
990.9	7.5°	1001.8	1005.3	994.7	955.0	894.2	826.8	766.0	723.2	684.6	670.2
1017.0	10°	1035.3	1039.9	1006.8	926.6	819.0	710.7	607.8	535.4	478.9	455.9
1052.4	12.5°	1077.4	1079.3	1013.5	883.3	721.2	566.5	420.8	343.3	293.0	274.3
1095.3	15°	1123.7	1121.0	1014.2	824.5	588.0	400.5	274.7	225.6	205.3	199.1
1138.1	17.5°	1172.4	1161.1	998.6	739.5	441.9	273.9	203.8	192.1	188.6	187.0
1180.6	20°	1220.3	1195.0	970.2	628.5	317.2	204.6	185.1	181.6	179.6	178.8
1223.5	22.5°	1264.0	1220.7	921.5	499.5	230.3	180.8	174.9	171.8	168.3	166.8
1265.2	25°	1306.5	1235.5	852.9	379.1	184.3	169.1	164.4	158.6	153.9	152.0
1310.0	27.5°	1347.8	1244.9	767.2	280.5	164.4	158.2	149.6	141.4	137.9	137.2
1357.9	30°	1391.8	1248.0	669.8	209.2	152.3	144.6	132.1	122.7	120.8	121.2
1422.6	32.5°	1445.6	1252.7	571.6	171.4	142.2	128.2	113.4	103.6	102.1	103.6
1516.9	35°	1509.9	1262.0	476.9	157.8	133.3	111.4	95.5	87.3	85.7	86.9
1637.7	37.5°	1597.1	1277.2	388.5	155.1	125.9	97.4	80.3	73.6	73.6	74.0
1785.7	40°	1713.2	1317.8	309.4	153.1	122.0	86.9	67.8	65.1	66.2	67.0
1974.3	42.5°	1854.7	1403.9	256.0	150.8	117.7	82.2	61.6	60.4	62.3	63.1
2200.3	45°	2013.3	1513.0	237.3	146.9	113.8	85.3	58.8	57.3	59.6	60.0
2453.6	47.5°	2177.3	1619.7	235.0	142.6	109.9	90.0	58.1	54.5	57.3	57.7
2724.0	50°	2343.3	1689.5	237.3	136.0	103.6	90.0	58.4	51.8	54.2	55.3
3004.5	52.5°	2510.4	1721.4	235.7	121.6	92.7	84.6	58.4	49.5	51.8	52.6
3307.6	55°	2672.5	1715.2	212.0	100.1	78.7	74.8	56.9	47.5	49.1	49.5
3594.0	57.5°	2800.7	1628.3	167.9	77.9	63.9	62.3	51.8	45.2	46.4	46.0
3856.6	60°	2867.7	1437.4	120.0	60.0	50.3	49.1	45.6	42.1	42.9	40.9
4079.1	62.5°	2868.5	1184.9	80.3	47.5	40.1	39.0	39.0	37.8	37.0	33.1
4251.4	65°	2807.3	904.7	53.4	37.8	32.3	30.4	32.7	32.3	29.6	24.2
4304.0	67.5°	2668.6	593.0	40.5	29.6	24.9	23.8	26.1	27.3	25.3	20.3
4112.3	70°	2383.4	345.2	33.5	23.0	18.7	17.5	21.0	23.4	21.0	16.4
3514.9	72.5°	1979.8	186.2	27.3	17.1	12.9	11.7	16.8	19.1	16.8	12.1
2255.2	75°	1284.6	99.7	21.0	11.3	6.6	7.4	12.5	14.0	11.7	7.8
662.0	77.5°	431.3	44.0	13.2	5.5	3.1	3.1	7.4	8.6	5.5	2.7
120.4	80°	96.2	18.3	5.5	2.3	1.2	1.2	1.6	1.6	0.8	0.0
37.0	82.5°	31.6	7.4	2.3	0.8	0.0	0.0	0.0	0.0	0.0	0.0
9.4	85°	12.1	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.1	87.5°	4.7	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

(END O

<u>180°</u>
962.4
949.6
835.0
664.3
446.1
268.5
199.1
186.6
178.1
166.4
151.2
136.4
121.2
103.3
86.5
73.6
67.0
63.1
60.4
58.1
55.7
52.6
49.5
46.0
40.5
32.0
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