

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: P852121

Luminaire Tested: **GLAN-SB1C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852121
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7153 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

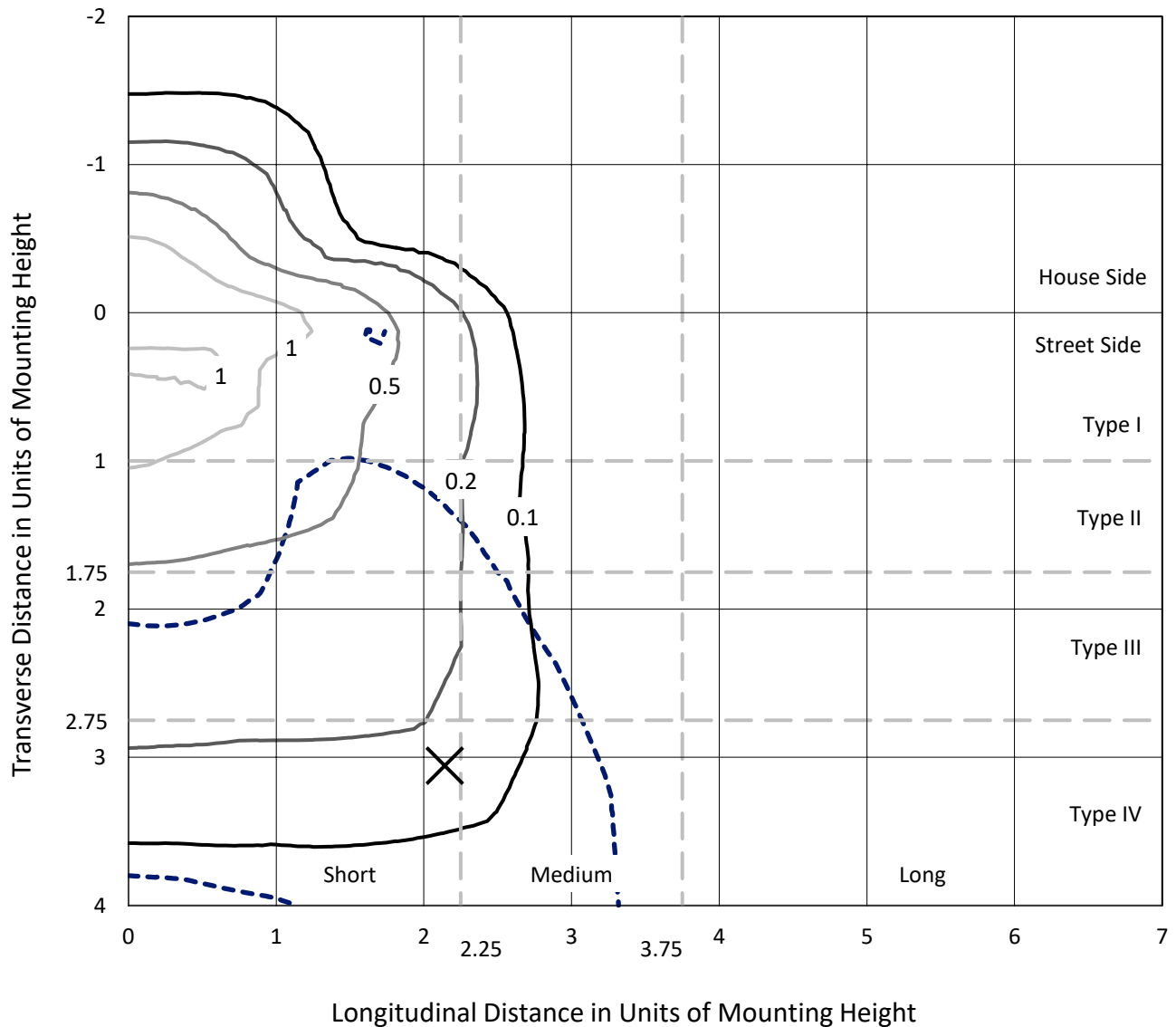
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

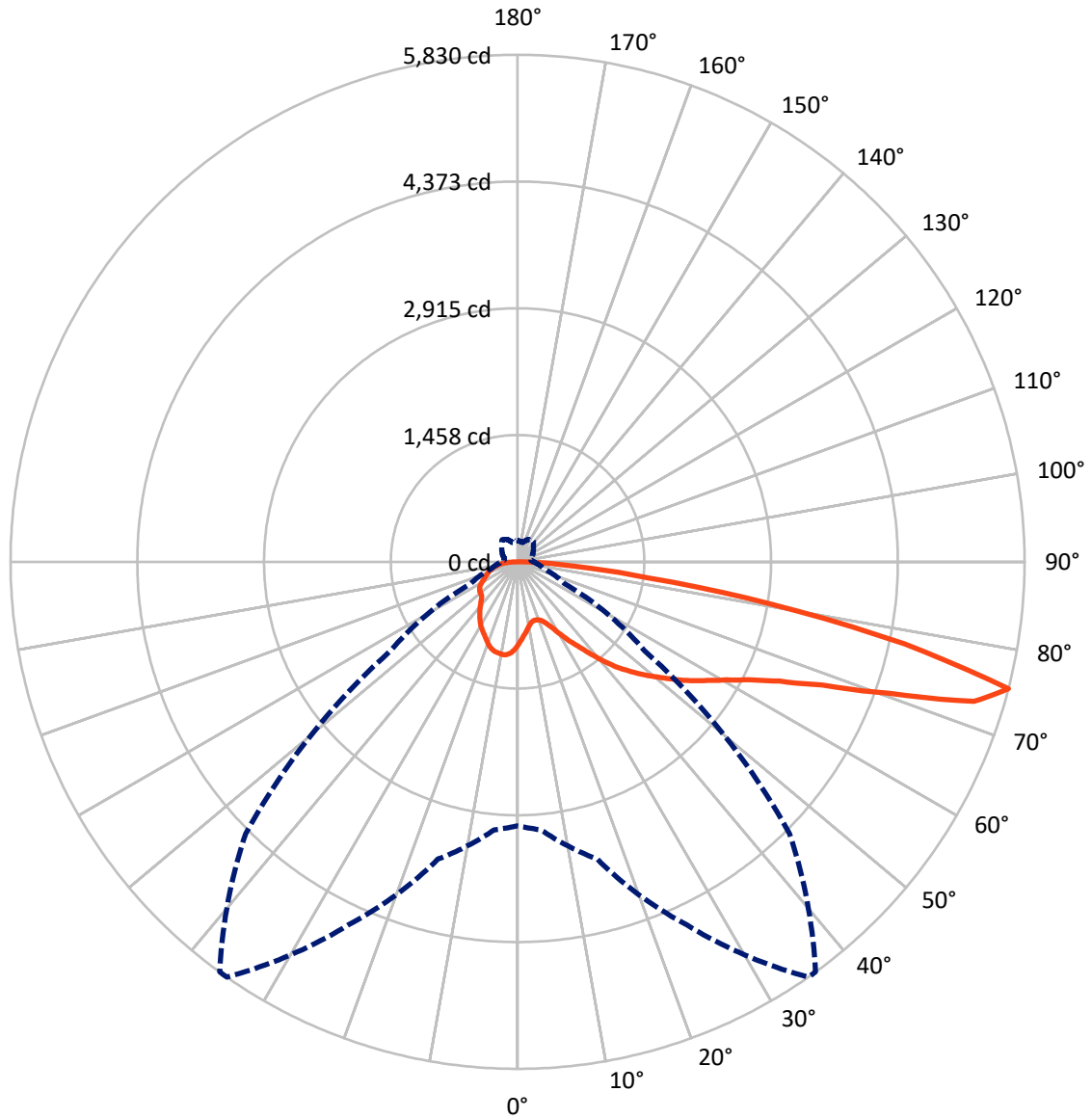
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1702.2	0.0	1702.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5450.8	0.0	5450.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	7153.0	0.0	7153.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	1.3
10°-20°	260.3	3.6
20°-30°	437.1	6.1
30°-40°	679.4	9.5
40°-50°	1008.4	14.1
50°-60°	1392.1	19.5
60°-70°	1688.9	23.6
70°-80°	1395.8	19.5
80°-90°	200.8	2.8
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°	7153.0	100.0
0°-180°	7153.0	100.0

Coefficient of Utilization

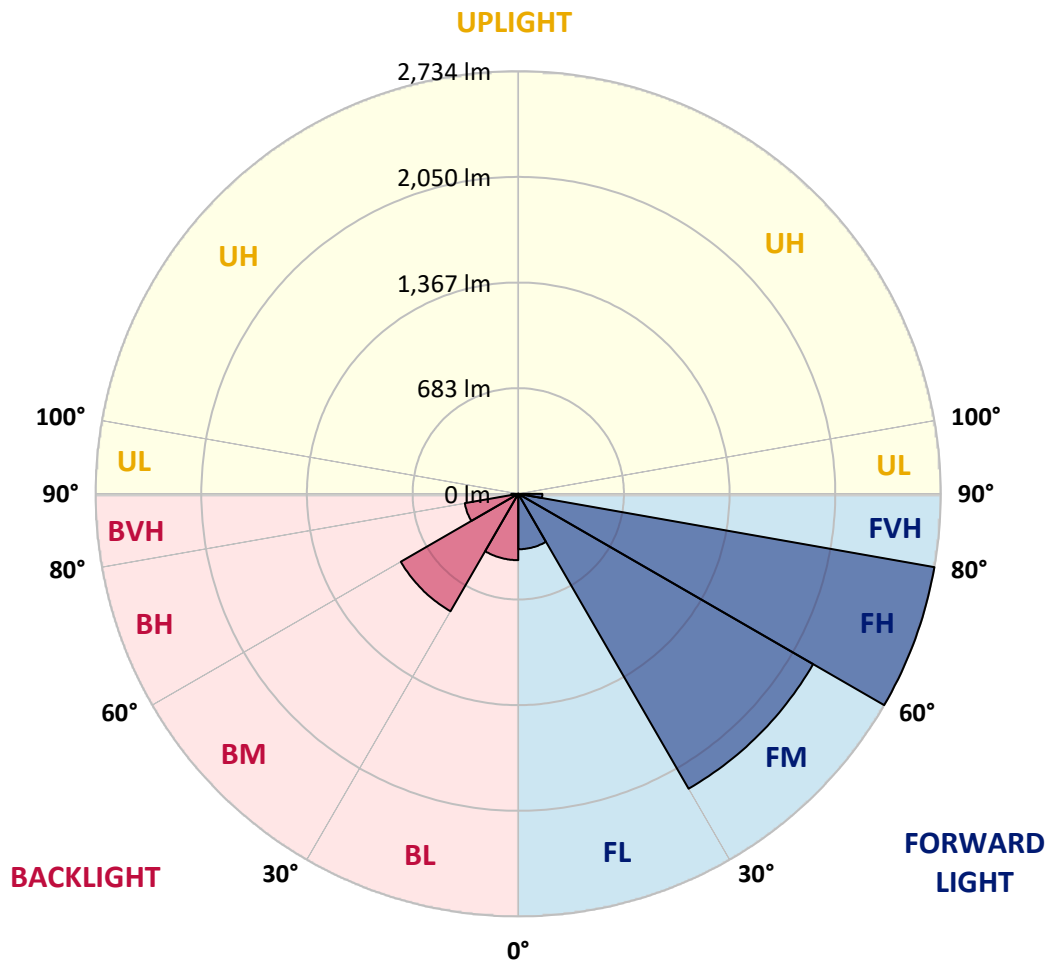


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	358.7	5.0			
FM (30°-60°)	2202.7	30.8			
FH (60°-80°)	2733.8	38.2			G2/5000
FVH (80°-90°)	155.6	2.2			G2/225
BL (0°-30°)	429.0	6.0	B1/500		
BM (30°-60°)	877.1	12.3	B1/1000		
BH (60°-80°)	350.9	4.9	B1/500		G1/500
BVH (80°-90°)	45.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
2.5°	878.9	884.4	886.7	885.5	891.3	890.5	898.7	908.7	922.6	936.2
5°	811.3	817.1	822.1	826.7	838.0	841.4	854.2	873.5	899.0	925.0
7.5°	748.2	753.3	761.0	769.5	788.5	791.9	813.2	843.4	878.9	916.8
10°	696.8	701.8	710.0	719.6	743.2	747.5	774.5	814.8	861.2	909.1
12.5°	674.8	676.3	681.0	690.6	711.1	713.8	743.6	789.6	843.8	903.3
15°	673.6	676.7	677.1	682.1	699.1	700.3	727.7	773.4	832.9	902.1
17.5°	685.2	687.5	684.1	687.1	701.5	703.4	725.0	765.6	829.4	907.2
20°	716.1	718.1	707.6	703.4	713.8	715.4	736.6	770.7	832.9	917.6
22.5°	781.9	783.0	757.5	740.1	740.9	741.7	760.2	791.2	846.5	936.6
25°	884.4	883.6	843.0	809.3	790.0	785.7	798.1	824.4	869.3	961.7
27.5°	1004.2	998.4	957.8	907.6	865.4	859.2	856.5	867.7	901.8	994.9
30°	1139.6	1134.2	1090.5	1024.7	966.3	956.3	930.8	925.0	950.1	1040.2
32.5°	1288.1	1284.6	1232.4	1152.7	1074.6	1063.0	1020.1	1004.6	1024.3	1108.6
35°	1412.6	1409.5	1366.2	1284.2	1188.7	1174.4	1130.7	1113.3	1123.3	1196.4
37.5°	1525.1	1523.6	1486.4	1421.9	1323.2	1305.8	1256.7	1250.9	1249.0	1312.0
40°	1629.5	1625.6	1587.0	1552.9	1479.9	1464.0	1420.7	1415.7	1401.0	1454.3
42.5°	1745.1	1735.1	1679.0	1663.1	1643.4	1630.3	1604.4	1605.1	1572.7	1614.8
45°	1839.5	1833.7	1776.1	1766.8	1788.0	1782.6	1805.1	1810.9	1747.8	1783.0
47.5°	1940.8	1935.4	1886.7	1880.1	1937.7	1939.2	2018.5	2020.4	1918.7	1957.8
50°	2065.7	2058.0	2009.6	2017.7	2082.3	2088.1	2233.1	2220.0	2076.1	2135.3
52.5°	2148.1	2152.7	2142.3	2155.4	2243.6	2249.0	2444.3	2410.6	2232.0	2310.5
55°	2208.8	2218.0	2250.5	2280.7	2413.7	2419.1	2643.4	2592.0	2361.1	2472.9
57.5°	2286.9	2273.7	2334.4	2393.2	2575.3	2589.6	2837.1	2766.8	2475.6	2612.9
60°	2399.0	2389.7	2436.9	2523.9	2756.3	2779.1	3042.1	2924.1	2559.5	2723.8
62.5°	2626.4	2603.2	2610.5	2687.5	2984.5	3014.6	3273.3	3061.4	2601.2	2767.1
65°	2966.3	2926.5	2889.3	2942.7	3305.8	3335.6	3534.3	3169.3	2585.8	2683.2
67.5°	3394.3	3354.9	3309.3	3359.5	3779.1	3802.7	3856.4	3230.0	2464.0	2360.0
70°	3747.4	3732.7	3787.2	3994.1	4535.1	4535.8	4269.4	3179.7	2130.3	1673.2
72.5°	3700.6	3691.7	3979.0	4618.6	5487.9	5467.4	4660.4	2799.2	1435.0	754.8
75°	3035.9	3093.5	3538.6	4607.4	5830.1	5827.4	4421.0	1779.5	593.6	312.8
77.5°	1628.0	1719.2	2297.3	3401.7	4551.3	4619.8	3108.2	622.6	254.8	200.3
80°	530.9	610.6	915.7	1732.0	2957.4	2944.6	1332.1	244.4	174.4	141.9
82.5°	225.4	234.7	409.1	817.8	1517.7	1494.2	424.2	140.4	122.6	97.1
85°	88.2	98.6	180.6	378.2	657.4	643.1	153.1	69.6	78.5	63.4
87.5°	29.0	35.2	64.6	129.5	204.6	197.2	37.5	24.0	34.0	29.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
953.2	0°	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
955.9	2.5°	961.3	967.5	974.8	985.7	994.9	1002.7	1010.8	1015.8	1017.8	1023.6
957.4	5°	968.3	981.8	1000.0	1017.8	1035.2	1045.6	1054.9	1059.5	1063.8	1066.9
961.7	7.5°	979.9	997.3	1025.9	1049.1	1063.8	1072.3	1078.5	1076.9	1078.5	1079.2
966.3	10°	989.9	1014.3	1048.3	1070.4	1081.6	1082.0	1080.4	1075.0	1072.3	1072.7
973.3	12.5°	1001.9	1029.0	1065.7	1084.3	1087.4	1078.9	1072.3	1063.0	1059.5	1058.0
983.7	15°	1018.1	1049.1	1084.7	1091.6	1083.9	1073.1	1061.8	1046.8	1039.0	1032.8
1001.5	17.5°	1037.9	1071.9	1099.4	1094.3	1077.7	1059.9	1041.7	1018.9	1003.1	996.5
1025.9	20°	1065.3	1095.9	1110.6	1088.5	1063.4	1036.3	1005.4	977.5	962.9	956.3
1056.8	22.5°	1098.6	1128.0	1121.4	1078.5	1042.9	999.6	960.9	940.4	933.1	928.4
1096.6	25°	1138.4	1163.5	1129.1	1063.8	1009.3	950.9	921.1	914.5	911.0	907.6
1145.4	27.5°	1190.2	1203.8	1134.9	1042.1	956.7	899.0	888.2	889.4	888.2	882.4
1213.0	30°	1258.7	1256.0	1140.3	1006.9	896.3	852.3	853.0	858.1	858.8	855.0
1307.4	32.5°	1348.8	1321.3	1143.0	961.3	838.7	811.3	812.0	817.5	821.3	814.8
1430.7	35°	1457.8	1397.5	1138.8	904.1	794.3	772.2	766.4	768.0	769.1	762.9
1580.4	37.5°	1585.0	1482.9	1119.8	840.7	757.5	733.9	721.6	711.1	704.9	699.1
1749.8	40°	1724.6	1576.1	1085.0	778.8	716.5	693.3	674.8	655.0	634.2	626.4
1929.2	42.5°	1870.8	1672.0	1042.9	719.6	669.4	650.4	630.7	602.1	570.8	554.9
2115.6	45°	2022.4	1770.3	1001.5	661.2	621.0	612.9	590.1	555.7	521.6	501.5
2302.3	47.5°	2170.9	1863.1	940.8	602.5	575.8	584.7	566.9	535.2	497.3	465.6
2487.6	50°	2312.8	1950.1	841.4	542.9	539.0	576.2	559.2	513.5	470.2	429.6
2669.3	52.5°	2453.5	2020.4	714.2	488.8	519.3	573.8	549.1	498.8	445.9	403.3
2840.2	55°	2573.0	2056.8	591.6	442.4	490.7	554.1	537.1	481.4	411.4	366.2
2957.4	57.5°	2641.1	2027.4	489.5	396.7	451.3	521.6	516.6	444.3	370.4	335.6
2980.2	60°	2611.7	1908.3	406.0	356.9	413.8	486.5	481.0	407.6	339.1	306.3
2858.0	62.5°	2449.7	1681.3	339.9	322.1	379.7	450.5	445.5	379.3	315.2	283.4
2533.6	65°	2123.3	1367.7	288.5	293.1	345.3	407.2	414.5	355.8	296.2	265.3
1960.1	67.5°	1619.4	990.7	248.3	268.0	311.7	364.6	385.9	338.7	280.3	251.0
1134.2	70°	923.0	562.6	214.2	243.6	281.9	325.2	363.9	325.2	263.3	239.0
425.0	72.5°	350.0	258.3	185.2	219.3	253.3	291.9	339.5	303.9	243.6	225.4
219.6	75°	186.8	157.4	155.8	190.6	220.4	259.5	309.0	283.1	228.9	238.2
152.0	77.5°	127.2	111.4	130.3	163.2	184.5	223.5	276.5	251.3	198.4	197.6
105.2	80°	88.2	78.9	106.0	131.5	142.7	187.9	241.3	215.8	161.6	150.8
65.0	82.5°	53.0	51.4	79.3	98.2	100.9	145.0	199.9	181.0	132.2	115.2
38.7	85°	29.0	30.5	50.7	57.6	58.8	101.3	156.6	140.0	101.7	85.5
13.9	87.5°	8.1	10.4	18.6	22.8	28.2	52.6	93.2	83.1	51.0	35.6
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°
953.2
1023.2
1067.6
1080.4
1073.4
1057.2
1034.8
996.9
955.5
929.2
907.6
883.6
856.9
817.8
767.2
703.0
629.9
556.8
500.0
462.1
426.1
398.7
362.3
331.0
301.6
278.4
260.2
246.3
235.9
222.3
245.9
182.1
144.2
116.0
86.2
35.6
0.0

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