

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: P852243

Luminaire Tested: **GLAN-SB2B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852243
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-SB2B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7168 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

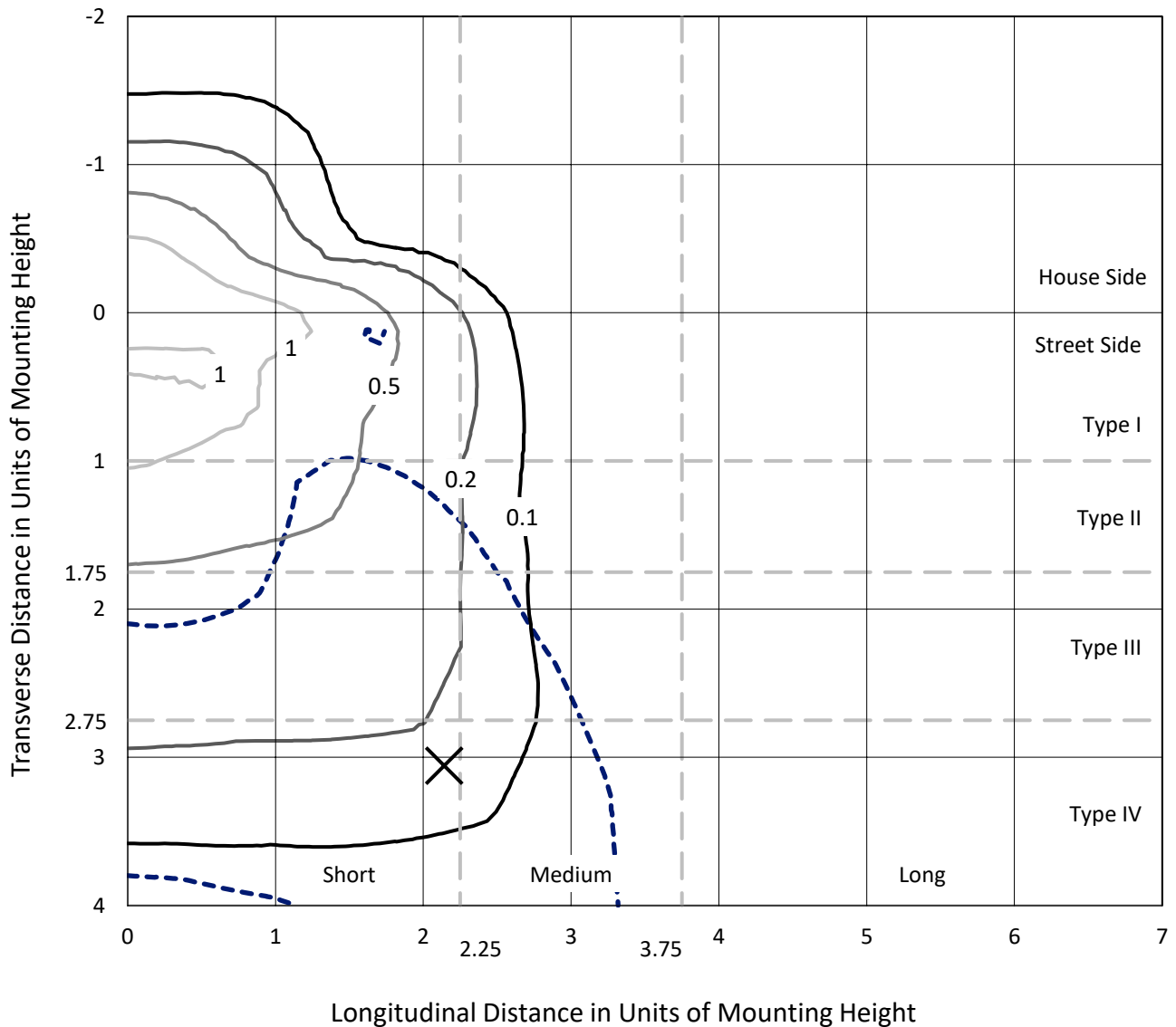
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

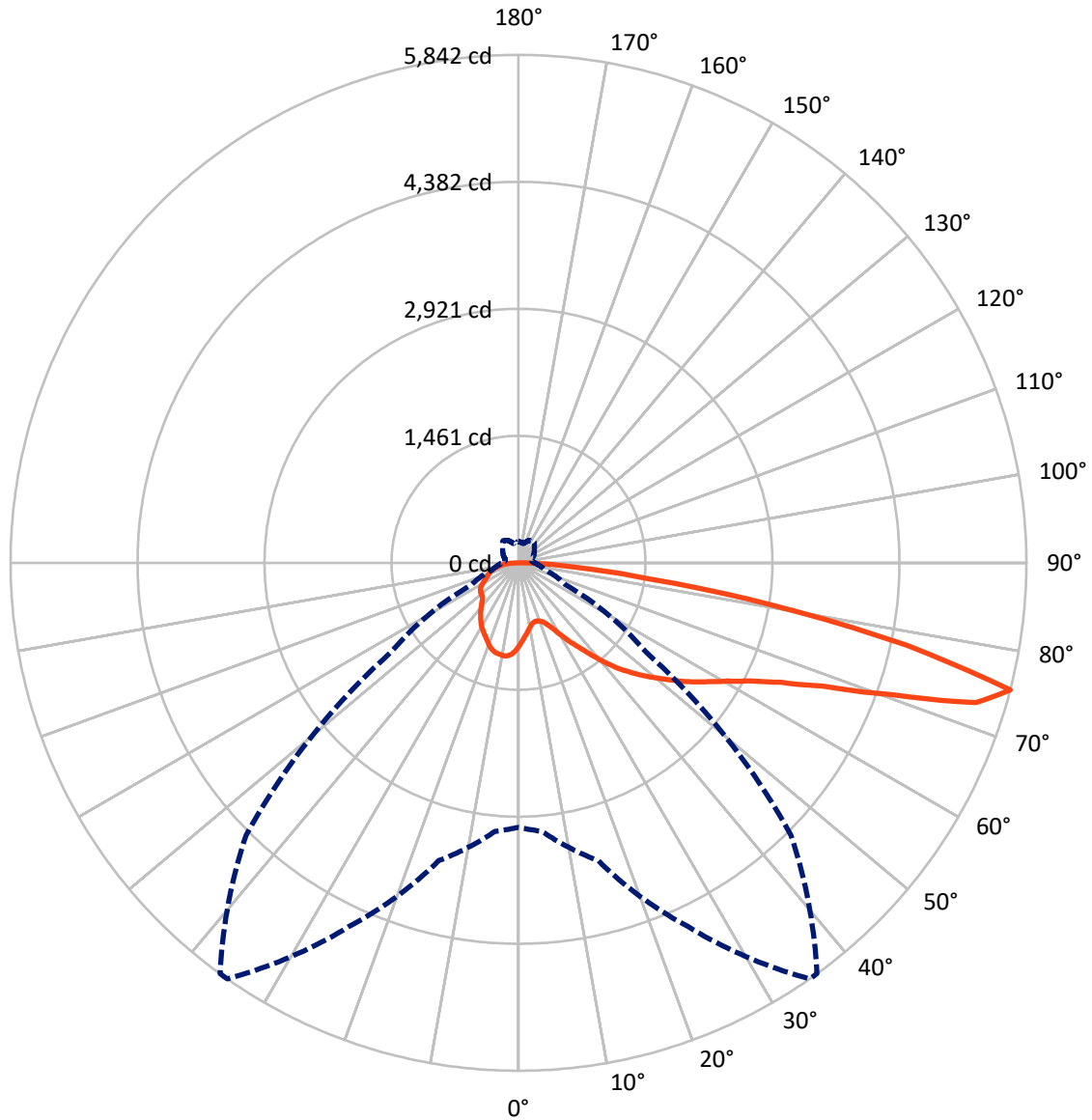
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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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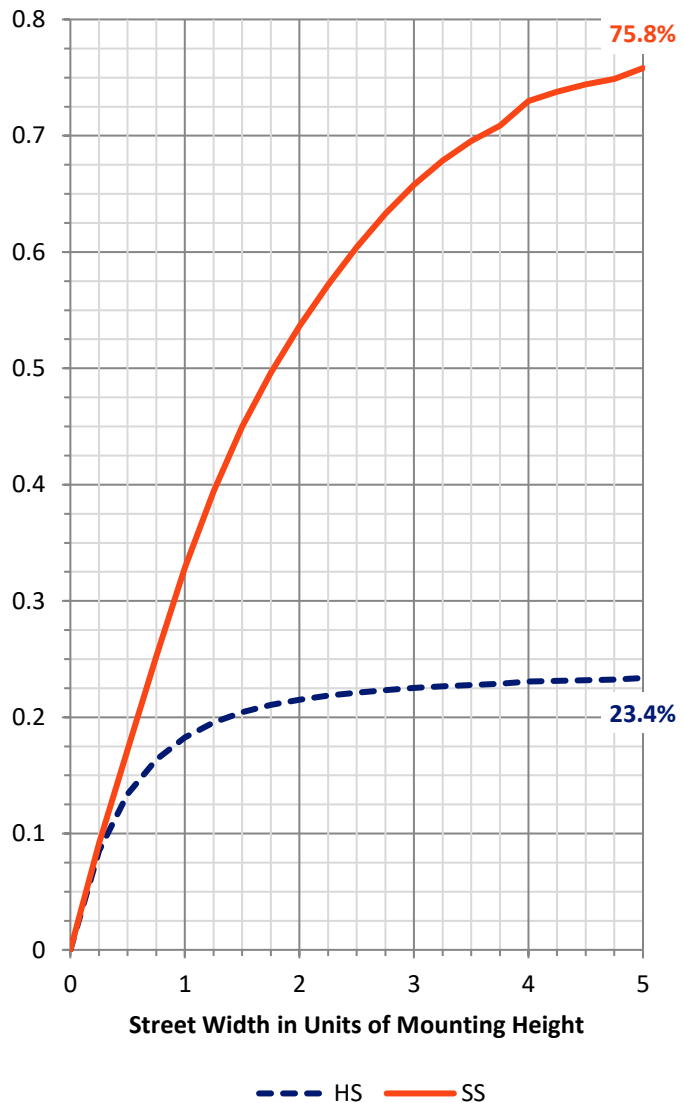
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1705.8	0.0	1705.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5462.2	0.0	5462.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	7168.0	0.0	7168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.4	1.3
10°-20°	260.9	3.6
20°-30°	438.0	6.1
30°-40°	680.8	9.5
40°-50°	1010.5	14.1
50°-60°	1395.0	19.5
60°-70°	1692.5	23.6
70°-80°	1398.7	19.5
80°-90°	201.2	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°	7168.0	100.0
0°-180°	7168.0	100.0

Coefficient of Utilization

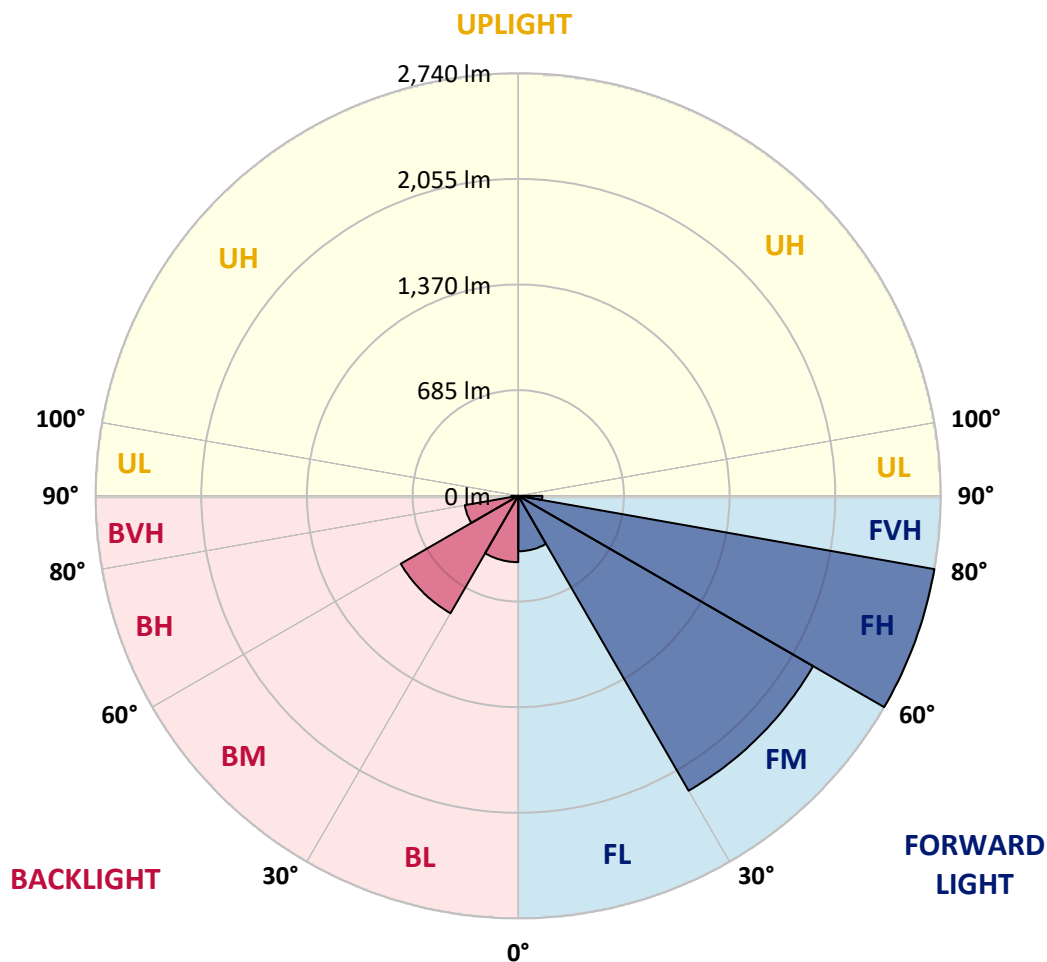


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.5	5.0			
FM (30°-60°)	2207.4	30.8			
FH (60°-80°)	2739.5	38.2			G2/5000
FVH (80°-90°)	155.9	2.2			G2/225
BL (0°-30°)	429.9	6.0	B1/500		
BM (30°-60°)	878.9	12.3	B1/1000		
BH (60°-80°)	351.7	4.9	B1/500		G1/500
BVH (80°-90°)	45.3	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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	880.8	886.2	888.5	887.4	893.2	892.4	900.5	910.6	924.6	938.1
5°	813.0	818.8	823.8	828.5	839.7	843.2	856.0	875.4	900.9	926.9
7.5°	749.8	754.8	762.6	771.1	790.1	793.6	814.9	845.1	880.8	918.8
10°	698.3	703.3	711.4	721.1	744.8	749.0	776.2	816.5	863.0	911.0
12.5°	676.2	677.7	682.4	692.1	712.6	715.3	745.2	791.3	845.5	905.2
15°	675.0	678.1	678.5	683.5	700.6	701.8	729.3	775.0	834.7	904.0
17.5°	686.6	689.0	685.5	688.6	702.9	704.9	726.6	767.2	831.2	909.1
20°	717.6	719.6	709.1	704.9	715.3	716.9	738.2	772.3	834.7	919.5
22.5°	783.5	784.7	759.1	741.7	742.4	743.2	761.8	792.8	848.2	938.5
25°	886.2	885.4	844.7	811.0	791.7	787.4	799.8	826.1	871.1	963.7
27.5°	1006.3	1000.5	959.8	909.5	867.2	861.0	858.3	869.5	903.6	997.0
30°	1142.0	1136.5	1092.7	1026.9	968.4	958.3	932.7	926.9	952.1	1042.4
32.5°	1290.8	1287.3	1235.0	1155.1	1076.9	1065.2	1022.2	1006.7	1026.5	1111.0
35°	1415.5	1412.4	1369.0	1286.9	1191.2	1176.8	1133.0	1115.6	1125.7	1198.9
37.5°	1528.3	1526.7	1489.5	1424.8	1326.0	1308.6	1259.4	1253.6	1251.6	1314.8
40°	1632.9	1629.0	1590.3	1556.2	1483.0	1467.1	1423.7	1418.6	1403.9	1457.4
42.5°	1748.8	1738.7	1682.5	1666.6	1646.9	1633.7	1607.7	1608.5	1576.0	1618.2
45°	1843.3	1837.5	1779.8	1770.5	1791.8	1786.4	1808.8	1814.7	1751.5	1786.8
47.5°	1944.9	1939.4	1890.6	1884.0	1941.8	1943.3	2022.7	2024.7	1922.8	1961.9
50°	2070.0	2062.3	2013.8	2022.0	2086.7	2092.5	2237.8	2224.6	2080.5	2139.8
52.5°	2152.6	2157.2	2146.7	2159.9	2248.3	2253.7	2449.4	2415.7	2236.6	2315.3
55°	2213.4	2222.7	2255.2	2285.5	2418.8	2424.2	2648.9	2597.4	2366.1	2478.1
57.5°	2291.7	2278.5	2339.3	2398.2	2580.7	2595.1	2843.1	2772.6	2480.8	2618.3
60°	2404.0	2394.7	2442.0	2529.2	2762.1	2785.0	3048.5	2930.3	2564.9	2729.5
62.5°	2631.9	2608.6	2616.0	2693.1	2990.7	3020.9	3280.2	3067.8	2606.7	2772.9
65°	2972.5	2932.6	2895.4	2948.9	3312.7	3342.6	3541.7	3175.9	2591.2	2688.9
67.5°	3401.5	3361.9	3316.2	3366.6	3787.0	3810.7	3864.5	3236.8	2469.1	2364.9
70°	3755.3	3740.5	3795.2	4002.5	4544.6	4545.4	4278.4	3186.4	2134.7	1676.7
72.5°	3708.4	3699.5	3987.4	4628.3	5499.4	5478.8	4670.1	2805.1	1438.0	756.4
75°	3042.3	3100.0	3546.0	4617.0	5842.3	5839.6	4430.3	1783.3	594.8	313.5
77.5°	1631.4	1722.8	2302.1	3408.8	4560.9	4629.4	3114.7	623.9	255.4	200.7
80°	532.0	611.9	917.6	1735.6	2963.6	2950.8	1334.9	244.9	174.8	142.2
82.5°	225.9	235.2	410.0	819.6	1520.9	1497.3	425.1	140.7	122.8	97.3
85°	88.3	98.8	181.0	379.0	658.7	644.4	153.4	69.7	78.7	63.5
87.5°	29.1	35.3	64.7	129.8	205.0	197.6	37.6	24.0	34.1	29.1
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°
955.2	0°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
957.9	2.5°	963.3	969.5	976.9	987.7	997.0	1004.8	1012.9	1018.0	1019.9	1025.7
959.4	5°	970.3	983.9	1002.1	1019.9	1037.3	1047.8	1057.1	1061.7	1066.0	1069.1
963.7	7.5°	981.9	999.4	1028.0	1051.3	1066.0	1074.5	1080.7	1079.2	1080.7	1081.5
968.4	10°	992.0	1016.4	1050.5	1072.6	1083.8	1084.2	1082.7	1077.2	1074.5	1074.9
975.3	12.5°	1004.0	1031.1	1067.9	1086.5	1089.6	1081.1	1074.5	1065.2	1061.7	1060.2
985.8	15°	1020.3	1051.3	1086.9	1093.9	1086.2	1075.3	1064.1	1049.0	1041.2	1035.0
1003.6	17.5°	1040.0	1074.1	1101.7	1096.6	1080.0	1062.1	1043.9	1021.1	1005.2	998.6
1028.0	20°	1067.6	1098.2	1112.9	1090.8	1065.6	1038.5	1007.5	979.6	964.9	958.3
1059.0	22.5°	1100.9	1130.3	1123.7	1080.7	1045.1	1001.7	962.9	942.4	935.0	930.4
1098.9	25°	1140.8	1166.0	1131.5	1066.0	1011.4	952.9	923.0	916.4	912.9	909.5
1147.8	27.5°	1192.7	1206.3	1137.3	1044.3	958.7	900.9	890.1	891.2	890.1	884.3
1215.6	30°	1261.3	1258.6	1142.7	1009.0	898.2	854.0	854.8	859.9	860.6	856.8
1310.1	32.5°	1351.6	1324.1	1145.4	963.3	840.5	813.0	813.7	819.2	823.0	816.5
1433.7	35°	1460.9	1400.4	1141.2	906.0	795.9	773.8	768.0	769.6	770.7	764.5
1583.7	37.5°	1588.4	1486.1	1122.2	842.4	759.1	735.5	723.1	712.6	706.4	700.6
1753.4	40°	1728.2	1579.4	1087.3	780.4	718.0	694.8	676.2	656.4	635.5	627.7
1933.2	42.5°	1874.7	1675.5	1045.1	721.1	670.8	651.8	632.0	603.3	571.9	556.1
2120.0	45°	2026.6	1774.0	1003.6	662.6	622.3	614.2	591.3	556.8	522.7	502.6
2307.2	47.5°	2175.4	1867.0	942.8	603.7	577.0	585.9	568.1	536.3	498.3	466.5
2492.8	50°	2317.6	1954.2	843.2	544.0	540.2	577.4	560.3	514.6	471.2	430.5
2674.9	52.5°	2458.7	2024.7	715.7	489.8	520.4	575.0	550.2	499.9	446.8	404.2
2846.2	55°	2578.4	2061.1	592.9	443.3	491.7	555.3	538.2	482.4	412.3	367.0
2963.6	57.5°	2646.6	2031.7	490.6	397.6	452.2	522.7	517.7	445.2	371.2	336.3
2986.5	60°	2617.2	1912.3	406.9	357.7	414.6	487.5	482.0	408.4	339.8	306.9
2864.0	62.5°	2454.8	1684.8	340.6	322.8	380.5	451.4	446.4	380.1	315.8	284.0
2538.9	65°	2127.8	1370.6	289.1	293.7	346.0	408.0	415.4	356.5	296.8	265.8
1964.2	67.5°	1622.8	992.8	248.8	268.5	312.3	365.4	386.7	339.4	280.9	251.5
1136.5	70°	925.0	563.8	214.7	244.1	282.5	325.9	364.6	325.9	263.9	239.5
425.9	72.5°	350.7	258.8	185.6	219.7	253.8	292.6	340.2	304.6	244.1	225.9
220.1	75°	187.2	157.7	156.2	191.0	220.9	260.0	309.6	283.6	229.4	238.7
152.3	77.5°	127.5	111.6	130.6	163.5	184.8	224.0	277.1	251.9	198.8	198.0
105.4	80°	88.3	79.0	106.2	131.7	143.0	188.3	241.8	216.2	162.0	151.1
65.1	82.5°	53.1	51.5	79.4	98.4	101.1	145.3	200.3	181.3	132.5	115.5
38.7	85°	29.1	30.6	50.8	57.7	58.9	101.5	156.9	140.3	101.9	85.6
13.9	87.5°	8.1	10.5	18.6	22.9	28.3	52.7	93.4	83.3	51.1	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°
955.2
1025.3
1069.9
1082.7
1075.7
1059.4
1036.9
999.0
957.5
931.2
909.5
885.4
858.7
819.6
768.8
704.5
631.2
558.0
501.0
463.1
427.0
399.5
363.1
331.7
302.2
279.0
260.8
246.8
236.4
222.8
246.4
182.5
144.5
116.2
86.4
35.6
0.0

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