

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: P846065

Luminaire Tested: **GLAN-SB1C-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

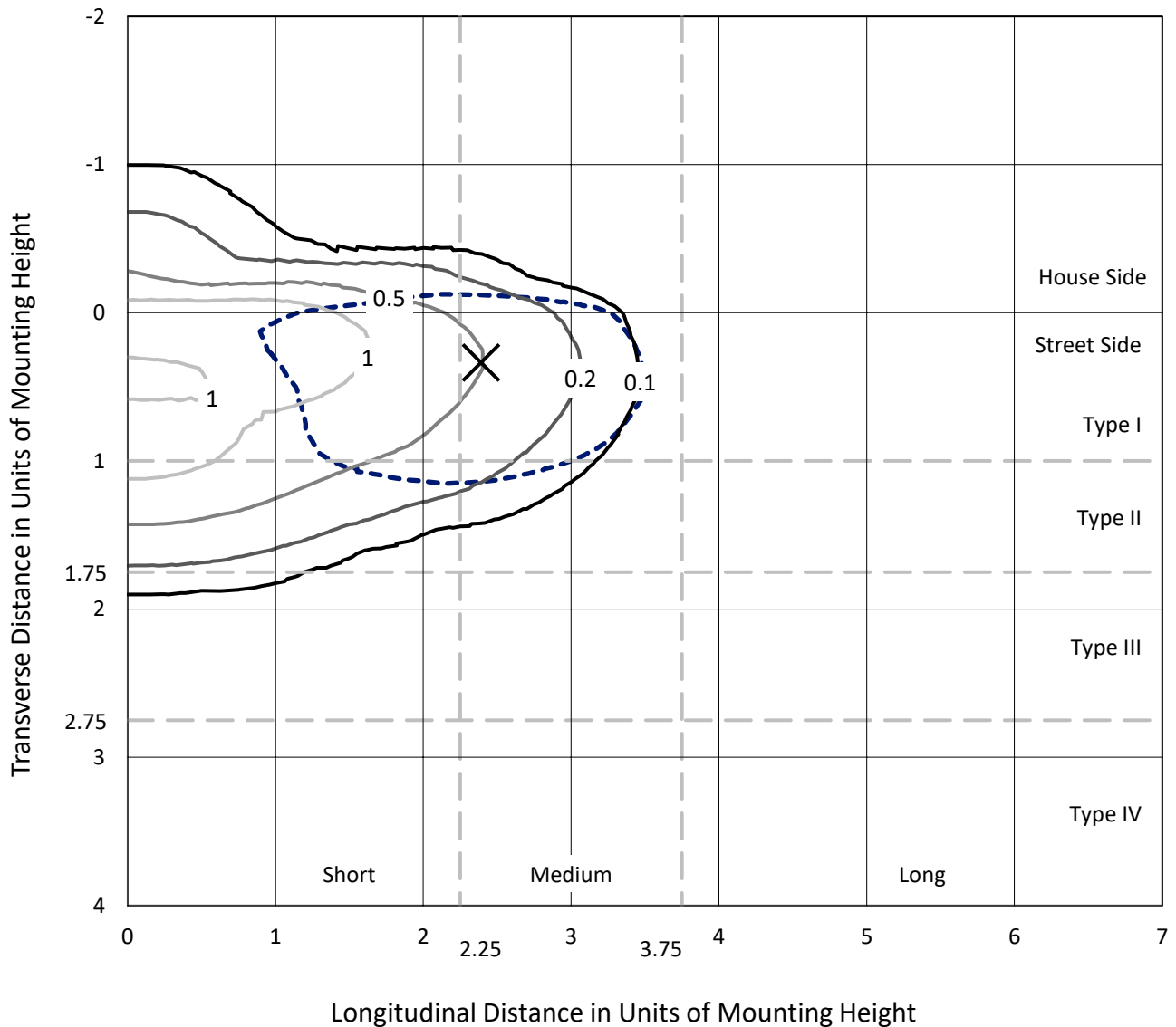
Lumens per Lamp: N/A  
Luminaire Lumens: 5368 lumens  
Efficiency: N/A  
Efficacy: 98.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

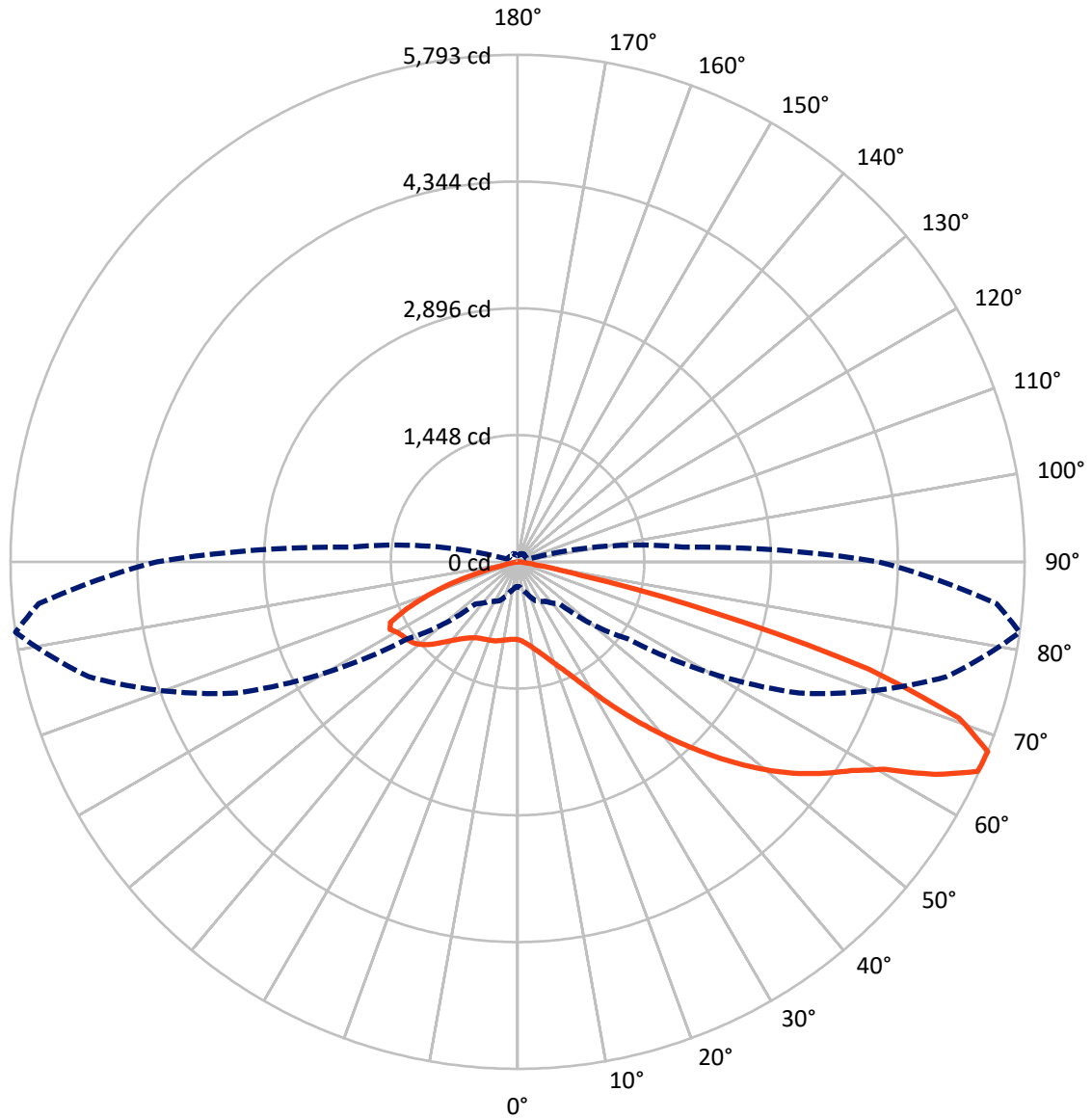
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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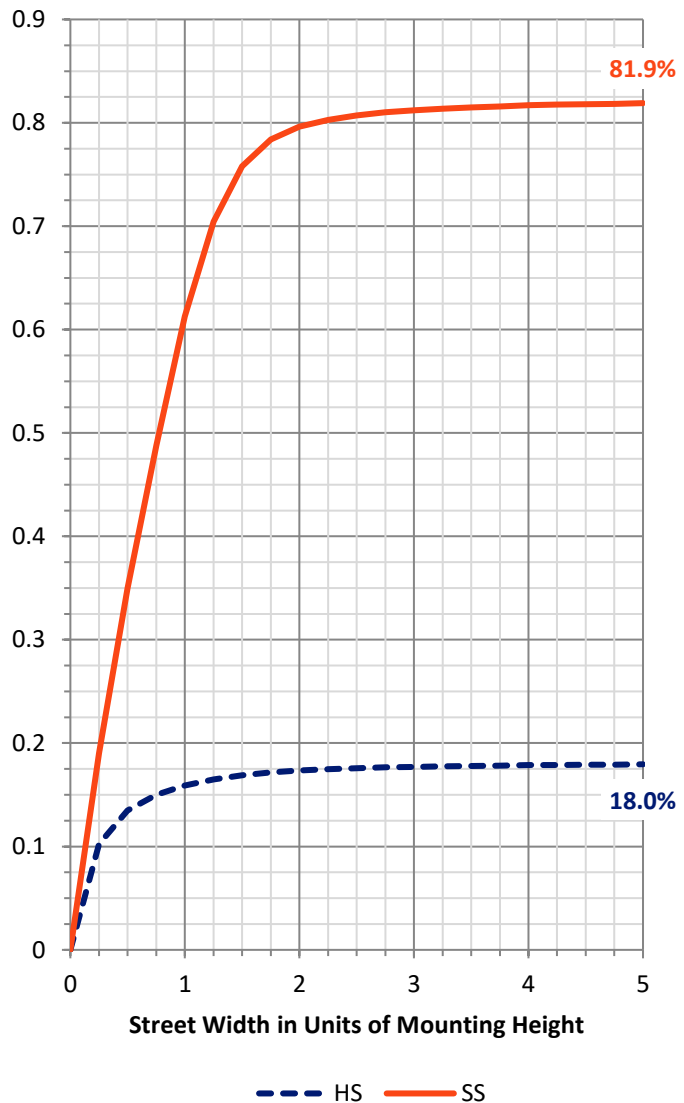
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	972.4	0.0	972.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	4395.6	0.0	4395.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	5368.0	0.0	5368.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.2	1.5
10°-20°	205.9	3.8
20°-30°	329.8	6.1
30°-40°	583.1	10.9
40°-50°	1021.7	19.0
50°-60°	1362.6	25.4
60°-70°	1268.6	23.6
70°-80°	486.9	9.1
80°-90°	30.2	0.6
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°	5368.0	100.0
0°-180°	5368.0	100.0

**Coefficient of Utilization**



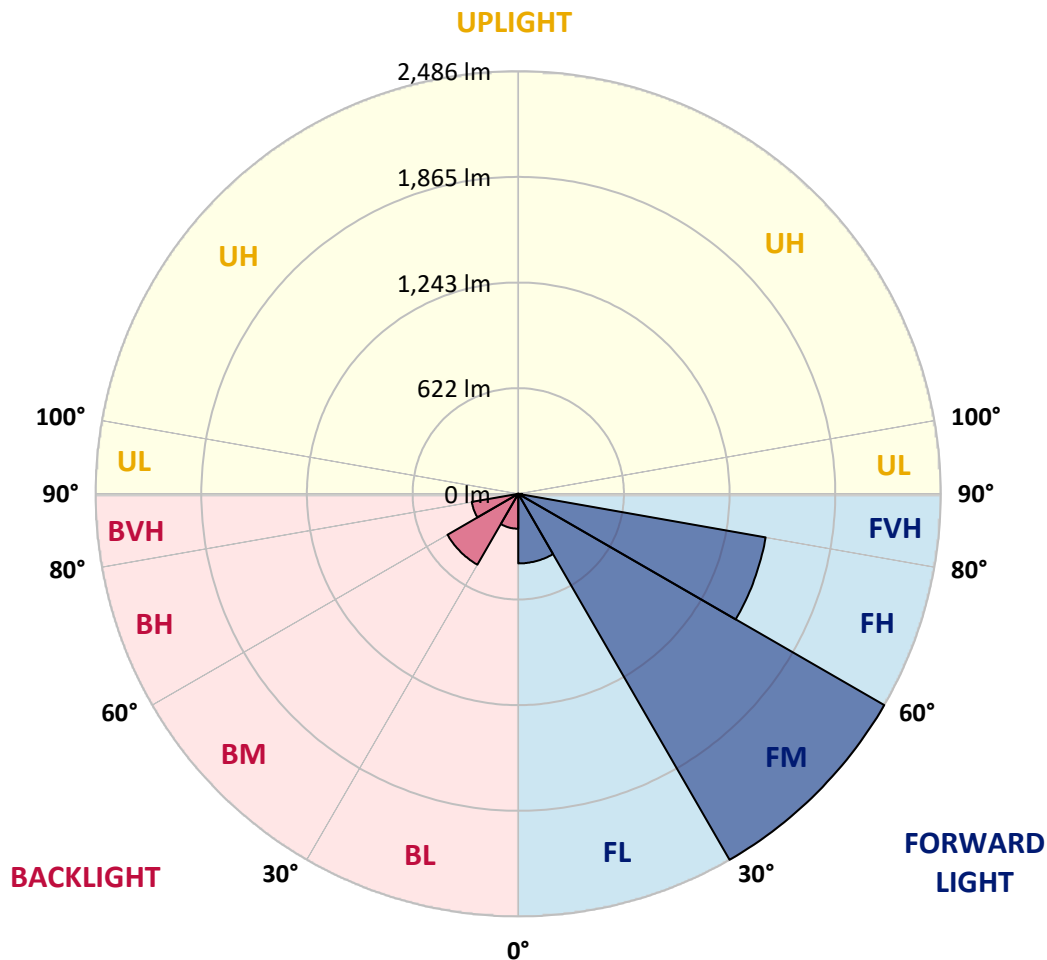
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	409.5	7.6			
FM (30°-60°)	2486.2	46.3			
FH (60°-80°)	1477.9	27.5			G1/1800
FVH (80°-90°)	22.0	0.4			G1/100
BL (0°-30°)	205.4	3.8	B1/500		
BM (30°-60°)	481.2	9.0	B1/1000		
BH (60°-80°)	277.5	5.2	B1/500		G1/500
BVH (80°-90°)	8.3	0.2			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°	82°
0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
2.5°	939.9	945.3	942.2	940.7	938.0	934.1	931.0	921.4	911.3	904.8
5°	958.9	964.3	963.9	965.4	967.4	968.5	967.8	956.9	942.6	931.4
7.5°	942.6	948.8	953.8	961.6	975.1	989.4	996.4	994.0	979.3	963.9
10°	896.6	903.2	915.2	933.4	962.0	992.9	1018.8	1030.7	1021.5	1004.5
12.5°	812.4	819.0	842.5	882.0	929.9	983.6	1033.1	1065.1	1067.5	1050.5
15°	717.7	724.3	749.4	798.9	871.9	958.1	1040.8	1101.5	1122.0	1107.3
17.5°	659.0	664.7	683.7	723.5	799.6	907.1	1038.1	1140.1	1186.9	1175.3
20°	641.2	646.2	655.1	682.9	746.3	854.1	1020.3	1176.5	1256.8	1250.3
22.5°	660.1	664.7	667.5	679.8	719.6	819.3	997.9	1213.6	1338.0	1338.8
25°	703.8	708.4	705.3	713.1	730.5	808.5	989.4	1257.2	1440.0	1448.5
27.5°	775.7	776.1	768.7	768.3	771.0	824.8	998.3	1304.0	1568.7	1584.6
30°	919.8	914.0	885.8	855.3	841.4	873.5	1023.0	1359.3	1720.6	1748.8
32.5°	1142.1	1133.6	1081.8	1008.7	935.3	951.9	1067.5	1422.3	1886.0	1937.0
35°	1383.2	1380.9	1326.8	1218.2	1089.9	1063.6	1139.7	1505.0	2066.5	2147.7
37.5°	1607.4	1606.2	1575.3	1447.4	1291.2	1219.4	1255.7	1613.2	2259.8	2377.3
40°	1812.2	1815.7	1784.8	1670.4	1513.1	1419.2	1413.4	1746.9	2474.6	2627.3
42.5°	1989.2	1993.1	1961.8	1877.1	1732.2	1640.2	1607.0	1910.8	2684.5	2895.9
45°	2109.4	2133.4	2128.7	2061.1	1957.1	1861.7	1839.7	2116.4	2923.7	3180.7
47.5°	2143.4	2165.5	2200.2	2209.5	2146.1	2052.2	2078.5	2364.1	3165.7	3466.0
50°	2059.6	2080.0	2152.3	2248.6	2292.6	2263.6	2310.8	2629.6	3413.4	3750.4
52.5°	1894.2	1915.0	2006.2	2158.5	2338.2	2429.4	2543.8	2891.3	3653.4	4019.8
55°	1654.9	1676.9	1794.1	1966.4	2251.3	2497.8	2738.2	3152.5	3873.3	4262.1
57.5°	1329.5	1345.7	1467.5	1708.6	2032.5	2429.8	2881.6	3437.8	4080.5	4500.2
60°	866.5	880.8	1022.2	1291.2	1670.0	2202.6	2910.2	3755.8	4355.7	4809.8
62.5°	576.2	585.9	669.8	867.3	1176.1	1766.2	2742.9	4009.8	4759.1	5348.5
65°	395.4	405.0	488.9	626.5	759.8	1168.3	2261.7	3976.1	5124.8	5776.4
67.5°	282.1	290.2	361.4	491.2	550.0	678.7	1533.2	3546.4	5072.2	5792.6
70°	202.1	206.8	265.5	382.6	437.1	407.7	852.6	2712.3	4441.1	5348.9
72.5°	141.5	143.0	184.4	291.4	352.1	297.6	405.8	1808.4	3358.9	4198.4
75°	95.8	97.8	124.1	213.7	282.5	227.3	214.9	969.7	1971.8	2323.9
77.5°	58.7	59.5	80.0	146.1	211.4	173.1	138.4	410.8	762.9	749.0
80°	33.2	33.2	51.0	90.8	144.2	111.7	97.0	174.7	241.6	212.2
82.5°	18.6	18.9	37.1	56.4	95.5	66.1	53.3	80.8	104.4	92.4
85°	7.7	8.5	22.8	26.7	45.6	32.9	21.6	34.0	38.6	34.4
87.5°	0.8	1.2	7.0	5.0	5.4	6.6	3.1	6.6	5.4	5.4
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°
889.3	0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
902.4	2.5°	895.1	889.3	874.6	857.6	835.2	824.4	809.7	799.6	791.1	791.9
924.9	5°	912.5	897.8	864.9	824.0	773.0	736.6	698.0	671.3	649.7	645.0
955.8	7.5°	936.4	913.3	855.7	781.9	695.7	630.4	572.0	534.5	507.8	499.3
993.3	10°	967.4	933.7	843.7	728.9	604.8	521.8	459.1	429.8	411.6	405.4
1037.3	12.5°	1003.3	957.3	827.8	664.4	511.3	431.3	391.5	376.8	371.0	369.1
1091.4	15°	1048.5	986.7	803.9	587.8	432.1	376.0	359.0	357.1	357.9	357.1
1156.4	17.5°	1102.2	1018.8	764.8	509.0	378.8	347.8	341.7	343.2	345.1	344.7
1229.0	20°	1161.0	1050.5	715.0	439.0	342.4	327.7	324.3	325.8	327.4	326.6
1312.9	22.5°	1227.9	1084.5	659.7	384.5	318.1	309.2	305.3	305.7	305.7	304.2
1419.2	25°	1307.9	1122.0	601.8	345.9	299.5	292.6	287.9	286.4	284.1	279.4
1548.2	27.5°	1403.3	1161.8	546.1	318.8	284.8	278.3	272.9	269.0	263.2	255.5
1703.2	30°	1510.8	1210.1	498.9	301.8	273.2	266.7	260.5	254.7	246.2	236.5
1881.4	32.5°	1637.1	1261.9	464.6	290.6	262.8	255.9	248.5	241.6	232.3	222.6
2081.6	35°	1787.9	1324.5	444.5	282.9	254.7	245.4	237.3	229.6	222.6	214.1
2299.2	37.5°	1951.3	1391.0	438.3	279.0	249.3	235.0	225.7	220.3	219.5	214.5
2534.6	40°	2130.3	1469.8	442.9	276.7	243.5	224.9	214.9	213.7	215.7	206.8
2786.2	42.5°	2319.7	1563.3	450.6	274.0	235.4	214.9	205.2	205.2	203.7	191.3
3052.1	45°	2524.5	1671.1	458.4	267.4	225.7	204.8	197.5	194.8	188.2	176.2
3319.5	47.5°	2730.9	1780.9	464.2	255.5	214.1	196.3	189.8	183.6	173.9	163.1
3581.9	50°	2926.8	1879.5	458.0	237.7	201.0	188.2	181.3	172.8	162.3	155.0
3830.4	52.5°	3101.9	1964.9	431.7	216.8	187.1	179.7	173.5	164.6	156.1	148.4
4054.6	55°	3254.2	2034.1	385.3	197.1	174.7	172.4	166.2	155.0	143.4	136.8
4276.8	57.5°	3400.3	2086.6	327.4	180.9	163.5	164.3	155.0	144.9	134.1	127.2
4576.3	60°	3594.7	2157.0	268.6	165.8	151.5	153.8	143.8	136.4	122.9	114.0
5090.0	62.5°	3905.4	2266.3	213.3	147.2	137.6	138.4	134.1	125.2	109.0	98.6
5470.7	65°	4152.0	2226.1	168.1	127.2	121.7	122.9	122.9	113.2	95.8	83.9
5491.1	67.5°	4124.2	1906.1	134.1	107.4	106.7	107.4	110.1	102.0	85.0	75.4
5073.0	70°	3799.1	1516.2	107.4	89.3	92.8	90.8	98.6	93.1	76.5	66.9
3932.8	72.5°	3100.0	1092.2	81.9	73.8	71.1	74.2	88.9	83.9	63.8	52.9
2083.1	75°	1811.4	582.8	61.1	58.4	51.4	61.8	78.8	71.5	48.7	39.0
638.5	77.5°	589.8	203.3	44.8	42.9	38.3	49.9	67.2	60.3	39.8	30.9
187.1	80°	158.1	61.5	30.5	28.2	24.7	37.1	53.3	47.9	28.6	20.1
80.4	82.5°	63.4	25.9	17.8	15.8	13.5	25.5	42.1	38.6	21.3	12.8
25.1	85°	20.5	8.5	6.6	5.0	6.2	15.8	25.1	26.3	15.1	6.6
3.9	87.5°	2.7	1.2	1.2	1.5	1.2	2.7	7.7	7.3	4.3	0.8
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°
889.3
784.2
634.6
490.8
400.8
367.9
356.7
344.0
326.2
303.4
278.7
254.7
235.8
223.0
213.3
214.1
207.2
191.3
175.8
162.7
153.8
147.6
136.0
126.4
112.9
97.8
82.7
73.8
65.7
51.8
37.9
29.8
19.7
12.8
5.0
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