

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: P846375

Luminaire Tested: **GLAN-SB2A-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846375
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-SB2A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5122 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

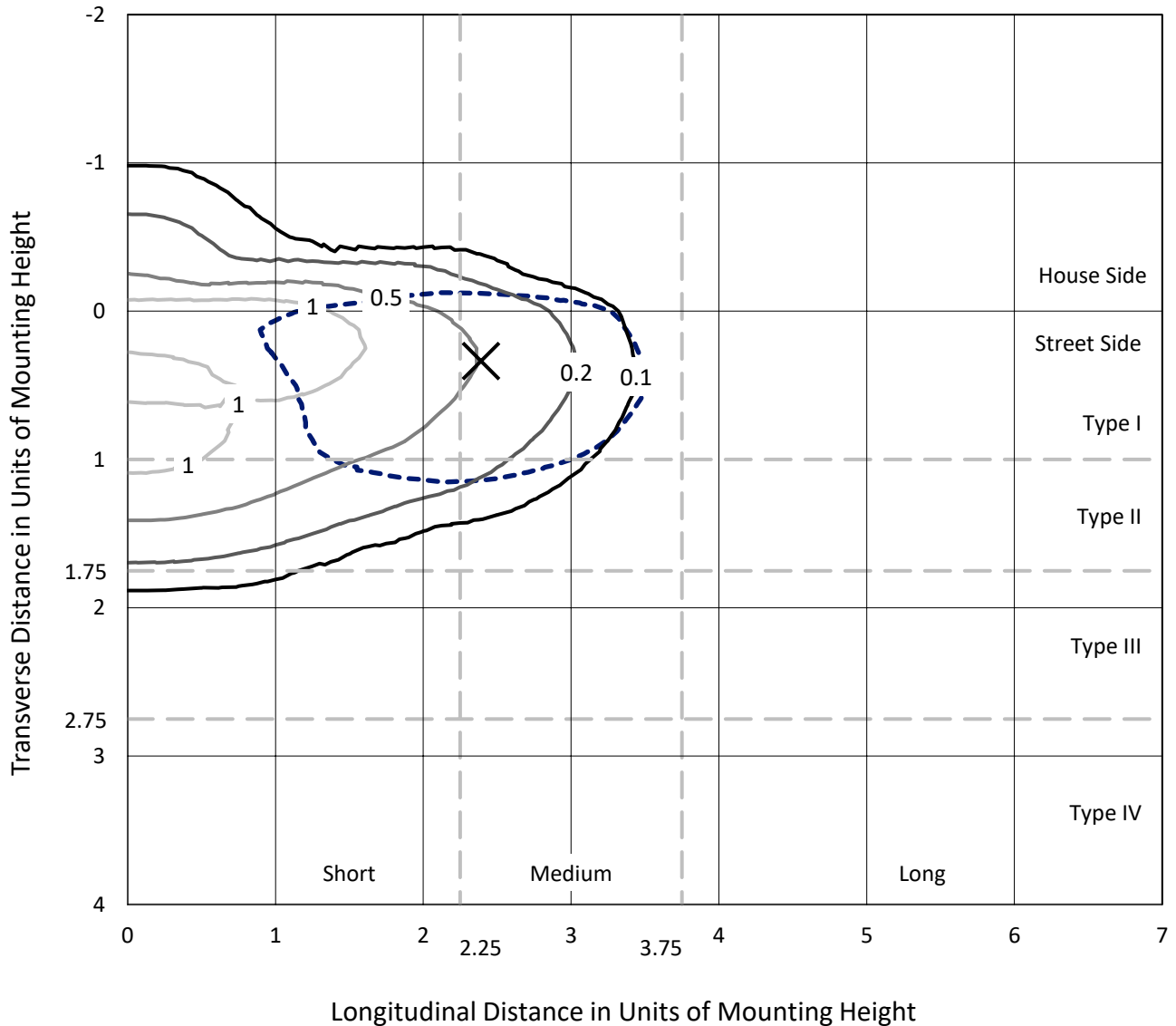
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

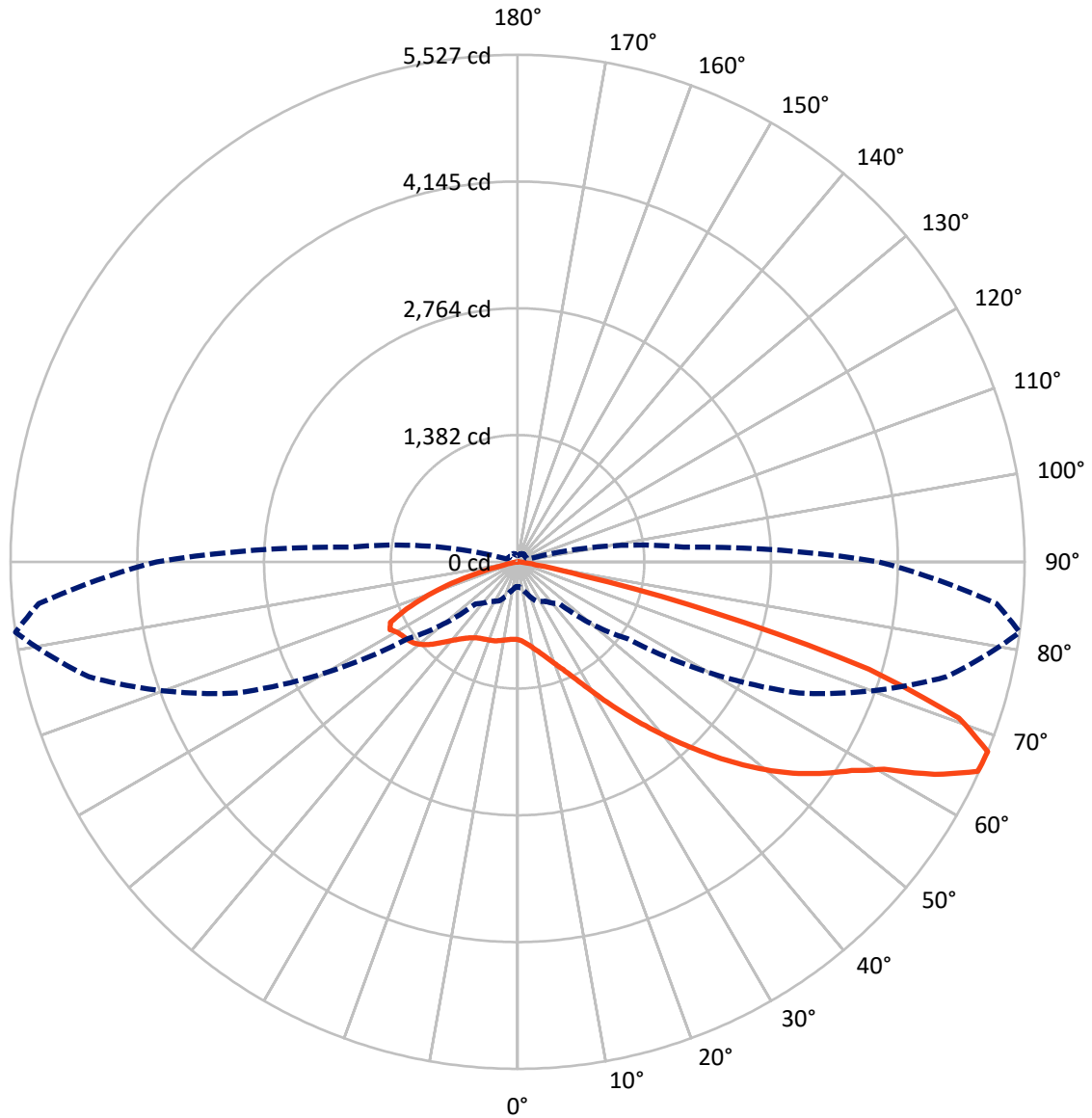
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type 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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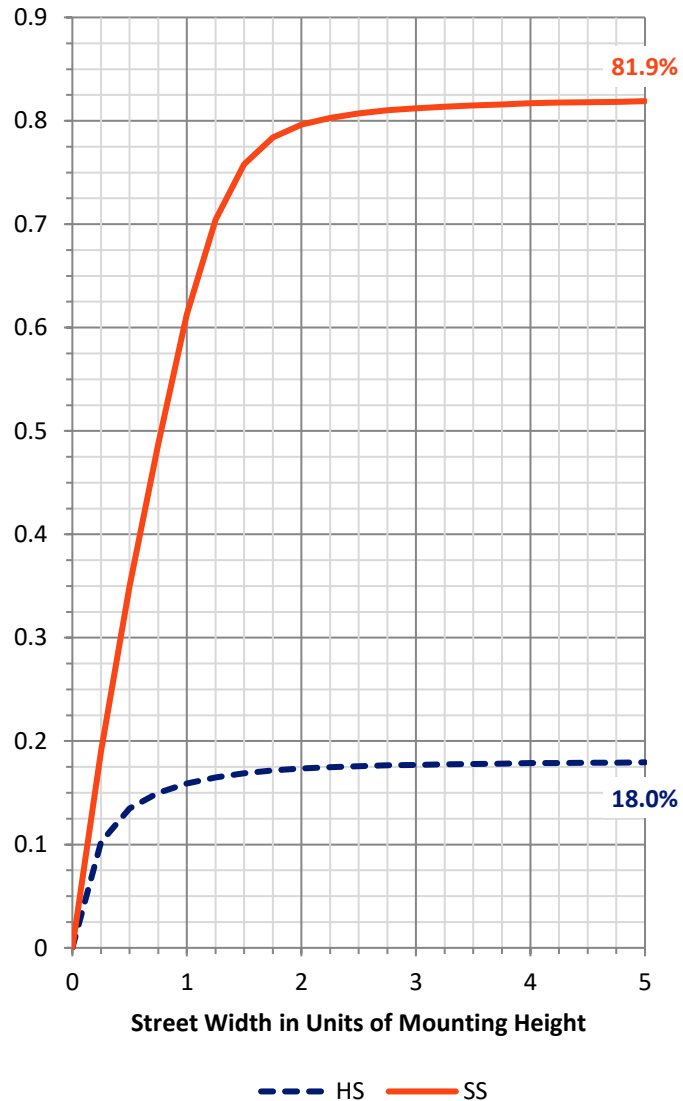
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	927.8	0.0	927.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4194.2	0.0	4194.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	5122.0	0.0	5122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.6	1.5
10°-20°	196.4	3.8
20°-30°	314.7	6.1
30°-40°	556.4	10.9
40°-50°	974.9	19.0
50°-60°	1300.2	25.4
60°-70°	1210.4	23.6
70°-80°	464.6	9.1
80°-90°	28.9	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°	5122.0	100.0
0°-180°	5122.0	100.0

Coefficient of Utilization

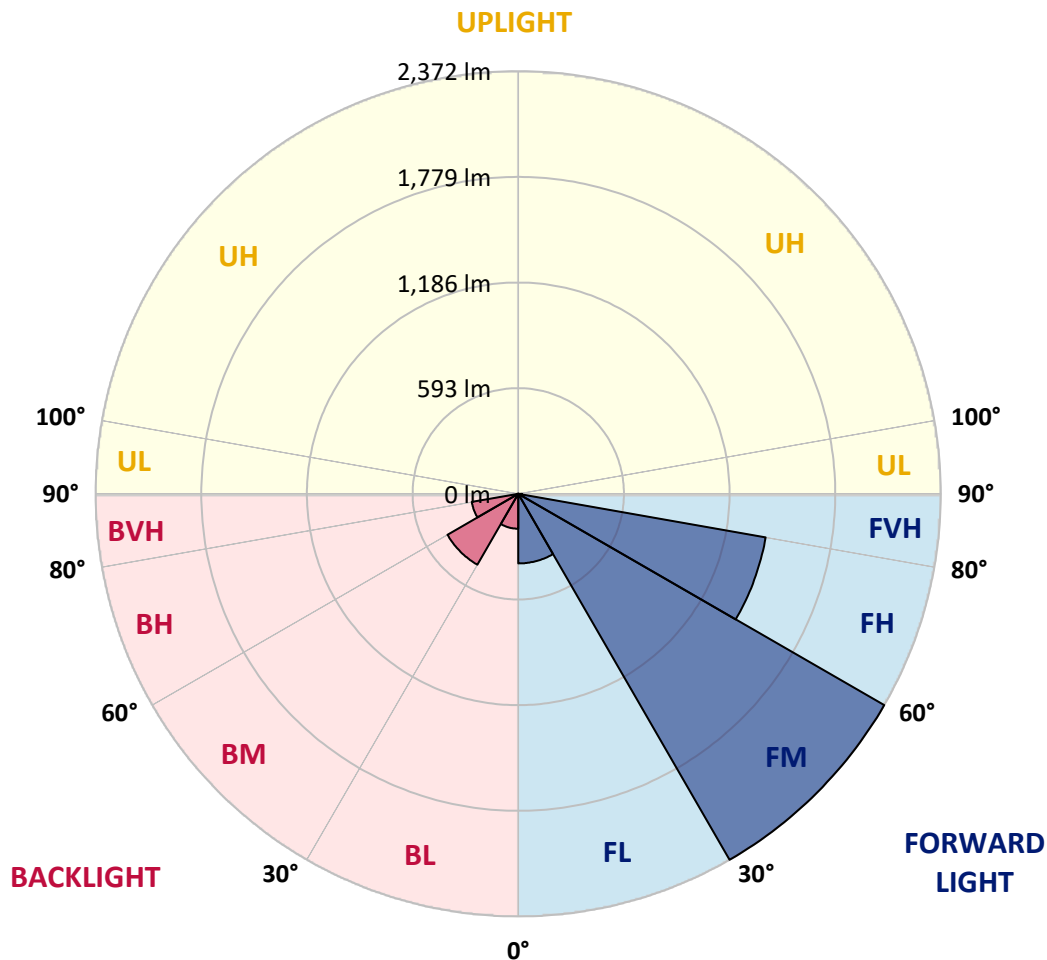


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.8	7.6			
FM (30°-60°)	2372.3	46.3			
FH (60°-80°)	1410.2	27.5			G1/1800
FVH (80°-90°)	21.0	0.4			G1/100
BL (0°-30°)	195.9	3.8	B1/500		
BM (30°-60°)	459.2	9.0	B1/1000		
BH (60°-80°)	264.8	5.2	B1/500		G1/500
BVH (80°-90°)	7.9	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°	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
2.5°	896.9	902.0	899.1	897.6	895.0	891.3	888.4	879.2	869.6	863.3
5°	914.9	920.1	919.7	921.2	923.0	924.1	923.4	913.1	899.4	888.7
7.5°	899.4	905.3	910.1	917.5	930.4	944.1	950.7	948.5	934.5	919.7
10°	855.5	861.8	873.2	890.6	917.9	947.4	972.1	983.5	974.7	958.4
12.5°	775.2	781.4	803.9	841.5	887.3	938.5	985.7	1016.3	1018.5	1002.3
15°	684.8	691.1	715.0	762.2	831.9	914.2	993.1	1051.0	1070.5	1056.5
17.5°	628.8	634.3	652.4	690.3	763.0	865.5	990.5	1087.9	1132.5	1121.4
20°	611.8	616.6	625.1	651.6	712.1	815.0	973.6	1122.5	1199.2	1193.0
22.5°	629.9	634.3	636.9	648.7	686.7	781.8	952.2	1157.9	1276.7	1277.4
25°	671.5	676.0	673.0	680.4	697.0	771.5	944.1	1199.6	1374.0	1382.2
27.5°	740.1	740.5	733.5	733.1	735.7	787.0	952.5	1244.2	1496.8	1512.0
30°	877.7	872.1	845.2	816.1	802.8	833.4	976.1	1297.0	1641.8	1668.7
32.5°	1089.7	1081.6	1032.2	962.5	892.4	908.3	1018.5	1357.1	1799.6	1848.3
35°	1319.8	1317.6	1266.0	1162.4	1039.9	1014.9	1087.5	1436.0	1971.8	2049.3
37.5°	1533.7	1532.6	1503.1	1381.0	1232.1	1163.5	1198.1	1539.3	2156.2	2268.3
40°	1729.2	1732.5	1703.0	1593.8	1443.7	1354.1	1348.6	1666.8	2361.2	2506.9
42.5°	1898.1	1901.8	1871.9	1791.1	1652.8	1565.1	1533.3	1823.2	2561.5	2763.2
45°	2012.8	2035.6	2031.2	1966.7	1867.5	1776.4	1755.3	2019.4	2789.8	3035.0
47.5°	2045.2	2066.2	2099.4	2108.3	2047.8	1958.2	1983.3	2255.8	3020.6	3307.1
50°	1965.2	1984.7	2053.7	2145.5	2187.5	2159.9	2204.9	2509.1	3257.0	3578.6
52.5°	1807.3	1827.3	1914.3	2059.6	2231.1	2318.1	2427.3	2758.8	3486.0	3835.6
55°	1579.1	1600.1	1711.8	1876.3	2148.1	2383.4	2612.7	3008.1	3695.8	4066.8
57.5°	1268.6	1284.1	1400.2	1630.3	1939.4	2318.5	2749.6	3280.2	3893.5	4294.0
60°	826.8	840.4	975.4	1232.1	1593.5	2101.6	2776.8	3583.7	4156.0	4589.4
62.5°	549.8	559.1	639.1	827.5	1122.2	1685.3	2617.2	3826.0	4541.0	5103.4
65°	377.3	386.5	466.5	597.8	725.0	1114.8	2158.0	3793.9	4889.9	5511.7
67.5°	269.2	276.9	344.8	468.7	524.8	647.6	1462.9	3383.8	4839.8	5527.1
70°	192.9	197.3	253.3	365.1	417.1	389.1	813.5	2588.0	4237.5	5103.8
72.5°	135.0	136.4	175.9	278.1	336.0	284.0	387.2	1725.5	3205.0	4006.0
75°	91.5	93.3	118.4	203.9	269.6	216.8	205.0	925.2	1881.5	2217.4
77.5°	56.1	56.8	76.3	139.4	201.7	165.2	132.0	392.0	728.0	714.7
80°	31.7	31.7	48.7	86.7	137.6	106.6	92.6	166.7	230.5	202.5
82.5°	17.7	18.1	35.4	53.8	91.1	63.1	50.9	77.1	99.6	88.1
85°	7.4	8.1	21.8	25.4	43.5	31.3	20.7	32.5	36.9	32.8
87.5°	0.7	1.1	6.6	4.8	5.2	6.3	3.0	6.3	5.2	5.2
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°
848.5	0°	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5	848.5
861.1	2.5°	854.1	848.5	834.5	818.3	796.9	786.6	772.6	763.0	754.9	755.6
882.5	5°	870.7	856.7	825.3	786.2	737.5	702.9	666.0	640.6	619.9	615.5
912.0	7.5°	893.5	871.4	816.5	746.0	663.8	601.5	545.8	510.0	484.6	476.5
947.7	10°	923.0	891.0	805.0	695.5	577.1	497.8	438.1	410.1	392.7	386.8
989.8	12.5°	957.3	913.4	789.9	633.9	487.9	411.5	373.6	359.6	354.0	352.2
1041.4	15°	1000.5	941.5	767.0	560.9	412.3	358.8	342.6	340.7	341.5	340.7
1103.4	17.5°	1051.7	972.1	729.8	485.7	361.4	331.9	326.0	327.5	329.3	328.9
1172.7	20°	1107.8	1002.3	682.2	418.9	326.7	312.7	309.4	310.9	312.3	311.6
1252.7	22.5°	1171.6	1034.8	629.5	366.9	303.5	295.0	291.3	291.7	291.7	290.2
1354.1	25°	1247.9	1070.5	574.2	330.1	285.8	279.2	274.7	273.3	271.0	266.6
1477.3	27.5°	1339.0	1108.5	521.1	304.2	271.8	265.5	260.4	256.7	251.1	243.8
1625.2	30°	1441.5	1154.6	476.1	288.0	260.7	254.5	248.6	243.0	234.9	225.7
1795.2	32.5°	1562.1	1204.0	443.3	277.3	250.8	244.1	237.1	230.5	221.6	212.4
1986.2	35°	1705.9	1263.8	424.1	269.9	243.0	234.2	226.4	219.0	212.4	204.3
2193.8	37.5°	1861.9	1327.2	418.2	266.3	237.9	224.2	215.4	210.2	209.5	204.7
2418.4	40°	2032.7	1402.4	422.6	264.0	232.3	214.6	205.0	203.9	205.8	197.3
2658.5	42.5°	2213.4	1491.7	430.0	261.5	224.6	205.0	195.8	195.8	194.3	182.5
2912.2	45°	2408.8	1594.6	437.4	255.2	215.4	195.4	188.4	185.9	179.6	168.2
3167.4	47.5°	2605.7	1699.3	442.9	243.8	204.3	187.3	181.1	175.2	165.9	155.6
3417.8	50°	2792.7	1793.3	437.0	226.8	191.8	179.6	173.0	164.8	154.9	147.9
3654.9	52.5°	2959.8	1874.8	411.9	206.9	178.5	171.5	165.6	157.1	149.0	141.6
3868.8	55°	3105.1	1940.8	367.7	188.1	166.7	164.5	158.6	147.9	136.8	130.5
4080.8	57.5°	3244.4	1991.0	312.3	172.6	156.0	156.7	147.9	138.3	128.0	121.3
4366.6	60°	3429.9	2058.1	256.3	158.2	144.6	146.8	137.2	130.2	117.3	108.8
4856.7	62.5°	3726.4	2162.5	203.6	140.5	131.3	132.0	128.0	119.5	104.0	94.0
5220.0	65°	3961.7	2124.1	160.4	121.3	116.2	117.3	117.3	108.0	91.5	80.0
5239.5	67.5°	3935.2	1818.8	128.0	102.5	101.8	102.5	105.1	97.4	81.1	71.9
4840.5	70°	3625.0	1446.7	102.5	85.2	88.5	86.7	94.0	88.9	73.0	63.8
3752.6	72.5°	2957.9	1042.1	78.2	70.4	67.9	70.8	84.8	80.0	60.8	50.5
1987.7	75°	1728.4	556.1	58.3	55.7	49.0	59.0	75.2	68.2	46.5	37.2
609.2	77.5°	562.7	194.0	42.8	40.9	36.5	47.6	64.2	57.5	38.0	29.5
178.5	80°	150.8	58.6	29.1	26.9	23.6	35.4	50.9	45.7	27.3	19.2
76.7	82.5°	60.5	24.7	17.0	15.1	12.9	24.3	40.2	36.9	20.3	12.2
24.0	85°	19.5	8.1	6.3	4.8	5.9	15.1	24.0	25.1	14.4	6.3
3.7	87.5°	2.6	1.1	1.1	1.5	1.1	2.6	7.4	7.0	4.1	0.7
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>
848.5
748.2
605.5
468.3
382.4
351.1
340.4
328.2
311.2
289.5
265.9
243.0
225.0
212.8
203.6
204.3
197.7
182.5
167.8
155.3
146.8
140.9
129.8
120.6
107.7
93.3
78.9
70.4
62.7
49.4
36.1
28.4
18.8
12.2
4.8
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