

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: P846205

Luminaire Tested: **GLAN-SB1D-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846205
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-SB1D-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5813 lumens
Efficiency: N/A
Efficacy: 73.0 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

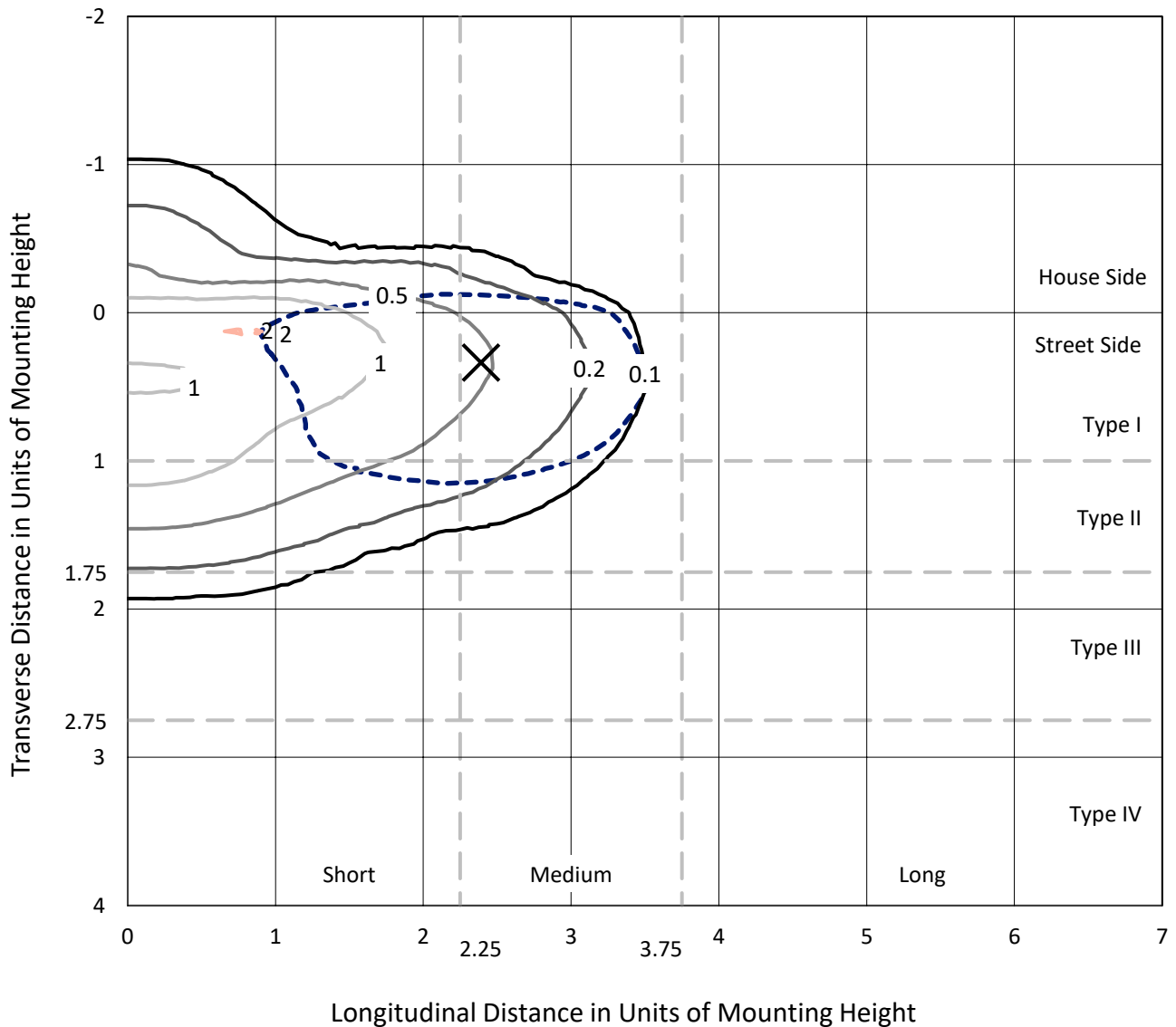
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

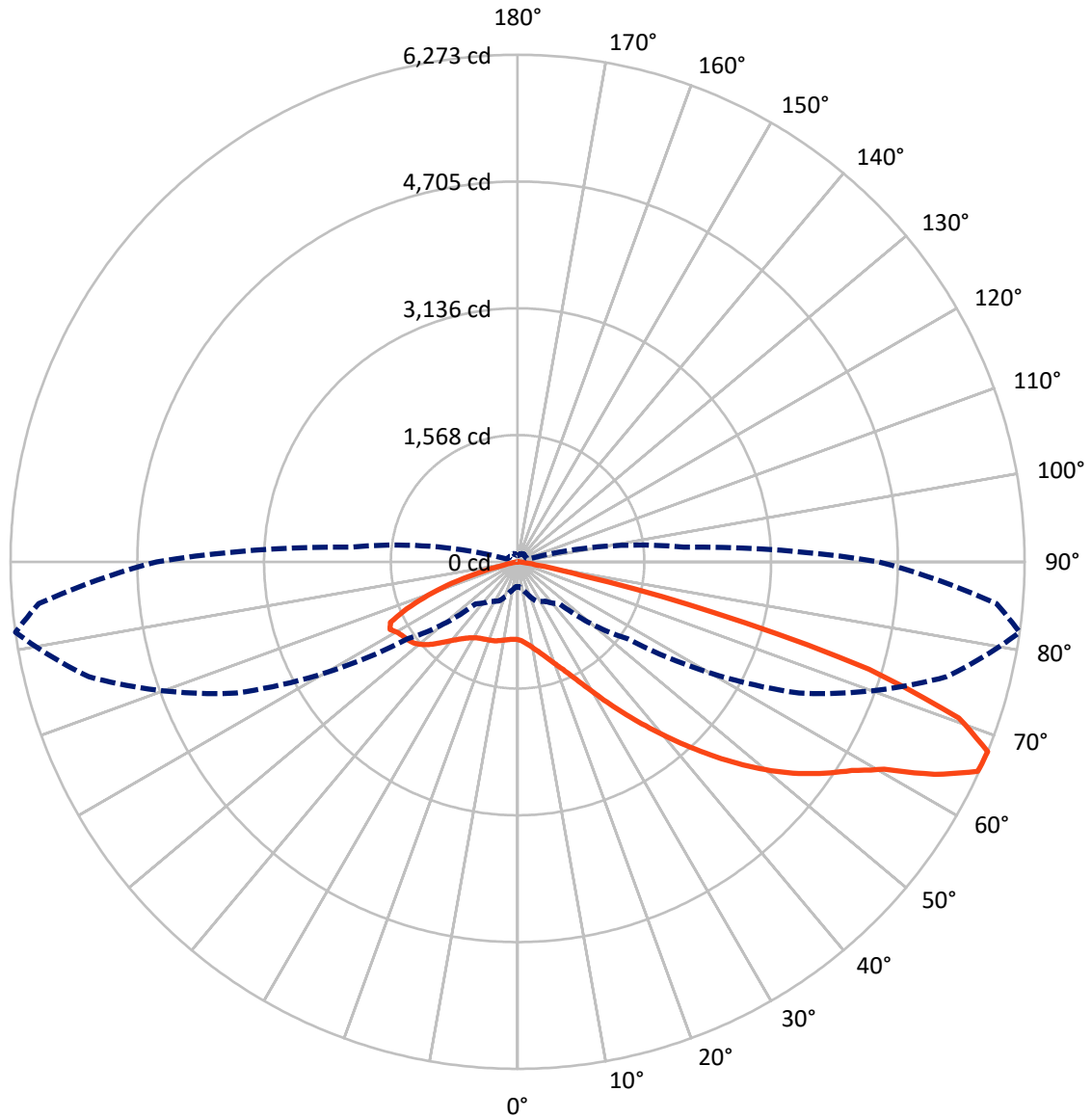
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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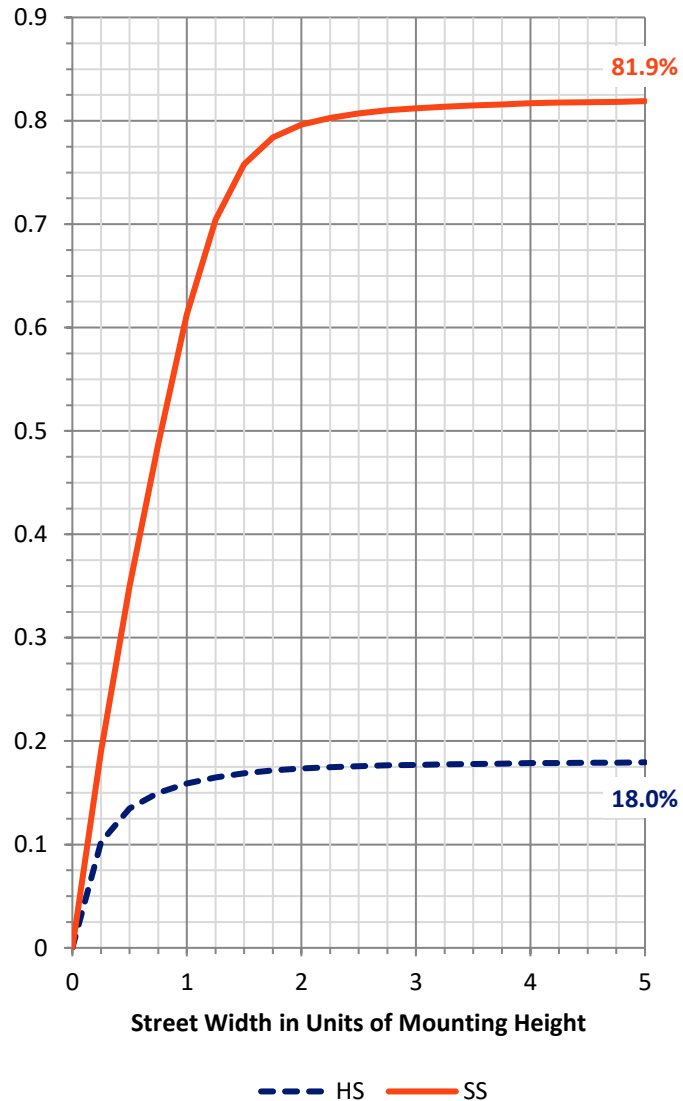
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1053.0	0.0	1053.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4760.0	0.0	4760.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	5813.0	0.0	5813.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.5
10°-20°	223.0	3.8
20°-30°	357.1	6.1
30°-40°	631.5	10.9
40°-50°	1106.4	19.0
50°-60°	1475.6	25.4
60°-70°	1373.7	23.6
70°-80°	527.2	9.1
80°-90°	32.8	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°	5813.0	100.0
0°-180°	5813.0	100.0

Coefficient of Utilization

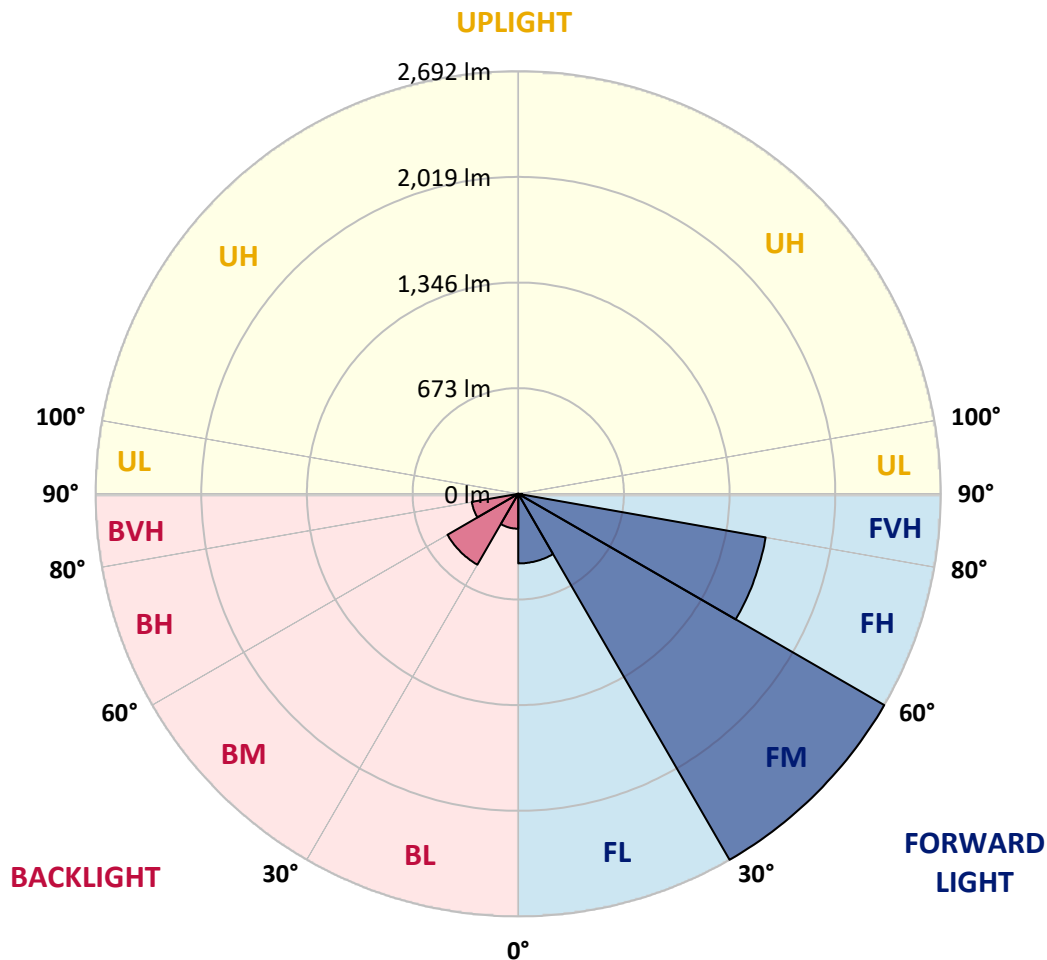


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	443.5	7.6			
FM (30°-60°)	2692.3	46.3			
FH (60°-80°)	1600.4	27.5			G1/1800
FVH (80°-90°)	23.8	0.4			G1/100
BL (0°-30°)	222.4	3.8	B1/500		
BM (30°-60°)	521.1	9.0	B1/1000		
BH (60°-80°)	300.5	5.2	B1/500		G1/500
BVH (80°-90°)	8.9	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°	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0
2.5°	1017.8	1023.7	1020.4	1018.7	1015.8	1011.6	1008.2	997.8	986.9	979.8
5°	1038.4	1044.2	1043.8	1045.5	1047.6	1048.8	1048.0	1036.3	1020.8	1008.6
7.5°	1020.8	1027.5	1032.9	1041.3	1055.9	1071.4	1078.9	1076.4	1060.5	1043.8
10°	971.0	978.1	991.1	1010.7	1041.7	1075.2	1103.2	1116.2	1106.2	1087.7
12.5°	879.7	886.8	912.4	955.1	1007.0	1065.1	1118.7	1153.4	1156.0	1137.5
15°	777.2	784.3	811.5	865.1	944.2	1037.5	1127.1	1192.8	1215.0	1199.1
17.5°	713.6	719.9	740.4	783.5	865.9	982.3	1124.1	1234.6	1285.3	1272.7
20°	694.3	699.8	709.4	739.5	808.2	924.9	1104.9	1274.0	1361.0	1353.9
22.5°	714.8	719.9	722.8	736.2	779.3	887.3	1080.6	1314.2	1448.9	1449.8
25°	762.1	767.1	763.8	772.2	791.0	875.5	1071.4	1361.4	1559.4	1568.6
27.5°	840.0	840.4	832.4	832.0	834.9	893.1	1081.0	1412.1	1698.8	1715.9
30°	996.1	989.8	959.3	926.2	911.1	945.9	1107.8	1471.9	1863.3	1893.8
32.5°	1236.7	1227.5	1171.4	1092.3	1012.8	1030.8	1156.0	1540.2	2042.4	2097.6
35°	1497.9	1495.4	1436.8	1319.2	1180.2	1151.8	1234.2	1629.7	2237.8	2325.7
37.5°	1740.6	1739.4	1705.9	1567.4	1398.3	1320.4	1359.8	1746.9	2447.1	2574.3
40°	1962.4	1966.2	1932.7	1808.8	1638.5	1536.8	1530.5	1891.7	2679.8	2845.1
42.5°	2154.1	2158.3	2124.4	2032.8	1875.8	1776.2	1740.2	2069.2	2907.0	3136.0
45°	2284.3	2310.2	2305.2	2232.0	2119.4	2016.0	1992.2	2291.8	3166.1	3444.4
47.5°	2321.1	2345.0	2382.6	2392.7	2324.0	2222.3	2250.8	2560.1	3428.1	3753.3
50°	2230.3	2252.5	2330.7	2435.0	2482.7	2451.3	2502.3	2847.6	3696.4	4061.3
52.5°	2051.2	2073.8	2172.5	2337.4	2532.1	2630.8	2754.7	3131.0	3956.3	4353.0
55°	1792.1	1816.0	1942.8	2129.4	2437.9	2704.9	2965.2	3413.9	4194.4	4615.5
57.5°	1439.7	1457.3	1589.1	1850.3	2201.0	2631.2	3120.5	3722.7	4418.7	4873.3
60°	938.3	953.8	1107.0	1398.3	1808.4	2385.2	3151.5	4067.2	4716.7	5208.5
62.5°	624.0	634.5	725.3	939.2	1273.6	1912.6	2970.2	4342.2	5153.7	5791.9
65°	428.1	438.6	529.4	678.4	822.8	1265.2	2449.2	4305.7	5549.6	6255.2
67.5°	305.5	314.3	391.3	531.9	595.6	734.9	1660.3	3840.4	5492.7	6272.8
70°	218.9	223.9	287.5	414.3	473.3	441.5	923.3	2937.2	4809.2	5792.3
72.5°	153.2	154.9	199.6	315.6	381.3	322.3	439.4	1958.3	3637.4	4546.4
75°	103.8	105.9	134.3	231.4	305.9	246.1	232.7	1050.1	2135.3	2516.6
77.5°	63.6	64.5	86.6	158.2	228.9	187.5	149.8	444.9	826.2	811.1
80°	36.0	36.0	55.2	98.4	156.1	121.0	105.0	189.2	261.6	229.8
82.5°	20.1	20.5	40.2	61.1	103.4	71.6	57.8	87.5	113.0	100.0
85°	8.4	9.2	24.7	28.9	49.4	35.6	23.4	36.8	41.9	37.2
87.5°	0.8	1.3	7.5	5.4	5.9	7.1	3.3	7.1	5.9	5.9
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°
963.0	0°	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0	963.0
977.2	2.5°	969.3	963.0	947.1	928.7	904.4	892.7	876.8	865.9	856.7	857.6
1001.5	5°	988.1	972.2	936.7	892.3	837.0	797.7	755.8	727.0	703.5	698.5
1035.0	7.5°	1014.1	989.0	926.6	846.7	753.3	682.6	619.4	578.8	549.9	540.7
1075.6	10°	1047.6	1011.1	913.6	789.3	655.0	565.0	497.2	465.4	445.7	439.0
1123.3	12.5°	1086.5	1036.7	896.5	719.4	553.7	467.1	424.0	408.1	401.8	399.7
1181.9	15°	1135.4	1068.5	870.5	636.6	467.9	407.2	388.8	386.7	387.6	386.7
1252.2	17.5°	1193.6	1103.2	828.3	551.2	410.2	376.7	370.0	371.6	373.7	373.3
1330.9	20°	1257.2	1137.5	774.3	475.4	370.8	354.9	351.1	352.8	354.5	353.7
1421.7	22.5°	1329.6	1174.4	714.4	416.4	344.4	334.8	330.6	331.1	331.1	329.4
1536.8	25°	1416.3	1215.0	651.6	374.6	324.4	316.8	311.8	310.1	307.6	302.6
1676.6	27.5°	1519.7	1258.1	591.4	345.3	308.5	301.3	295.5	291.3	285.0	276.6
1844.4	30°	1636.0	1310.4	540.3	326.9	295.9	288.8	282.1	275.8	266.6	256.1
2037.4	32.5°	1772.9	1366.5	503.1	314.7	284.6	277.1	269.1	261.6	251.5	241.1
2254.2	35°	1936.1	1434.3	481.3	306.4	275.8	265.8	257.0	248.6	241.1	231.9
2489.8	37.5°	2113.1	1506.3	474.6	302.2	269.9	254.5	244.4	238.6	237.7	232.3
2744.7	40°	2306.9	1591.6	479.6	299.7	263.7	243.6	232.7	231.4	233.5	223.9
3017.1	42.5°	2512.0	1692.9	488.0	296.7	254.9	232.7	222.2	222.2	220.6	207.2
3305.1	45°	2733.8	1809.7	496.4	289.6	244.4	221.8	213.9	210.9	203.8	190.8
3594.7	47.5°	2957.3	1928.5	502.6	276.6	231.9	212.6	205.5	198.8	188.3	176.6
3878.9	50°	3169.5	2035.3	495.9	257.4	217.6	203.8	196.3	187.1	175.8	167.8
4148.0	52.5°	3359.1	2127.8	467.5	234.8	202.6	194.6	187.9	178.3	169.1	160.7
4390.7	55°	3523.9	2202.7	417.3	213.4	189.2	186.7	180.0	167.8	155.3	148.2
4631.4	57.5°	3682.1	2259.6	354.5	195.9	177.0	177.9	167.8	156.9	145.2	137.7
4955.7	60°	3892.7	2335.8	290.9	179.5	164.1	166.6	155.7	147.7	133.1	123.5
5511.9	62.5°	4229.2	2454.2	231.0	159.5	149.0	149.8	145.2	135.6	118.0	106.7
5924.2	65°	4496.2	2410.7	182.1	137.7	131.8	133.1	133.1	122.6	103.8	90.8
5946.3	67.5°	4466.0	2064.1	145.2	116.3	115.5	116.3	119.3	110.5	92.1	81.6
5493.5	70°	4114.1	1641.9	116.3	96.7	100.4	98.4	106.7	100.9	82.9	72.4
4258.9	72.5°	3357.0	1182.7	88.7	79.9	77.0	80.4	96.3	90.8	69.1	57.3
2255.8	75°	1961.6	631.1	66.1	63.2	55.7	67.0	85.4	77.4	52.7	42.3
691.4	77.5°	638.7	220.1	48.5	46.5	41.4	54.0	72.8	65.3	43.1	33.5
202.6	80°	171.2	66.5	33.1	30.6	26.8	40.2	57.8	51.9	31.0	21.8
87.1	82.5°	68.6	28.0	19.3	17.2	14.6	27.6	45.6	41.9	23.0	13.8
27.2	85°	22.2	9.2	7.1	5.4	6.7	17.2	27.2	28.5	16.3	7.1
4.2	87.5°	2.9	1.3	1.3	1.7	1.3	2.9	8.4	8.0	4.6	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°
<hr/>
963.0
849.2
687.2
531.5
434.0
398.4
386.3
372.5
353.2
328.5
301.8
275.8
255.3
241.5
231.0
231.9
224.3
207.2
190.4
176.2
166.6
159.9
147.3
136.9
122.2
105.9
89.6
79.9
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