

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: P845715

Luminaire Tested: **GLAN-SB1A-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845715
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-SB1A-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165 lumens
Efficiency: N/A
Efficacy: 102.4 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

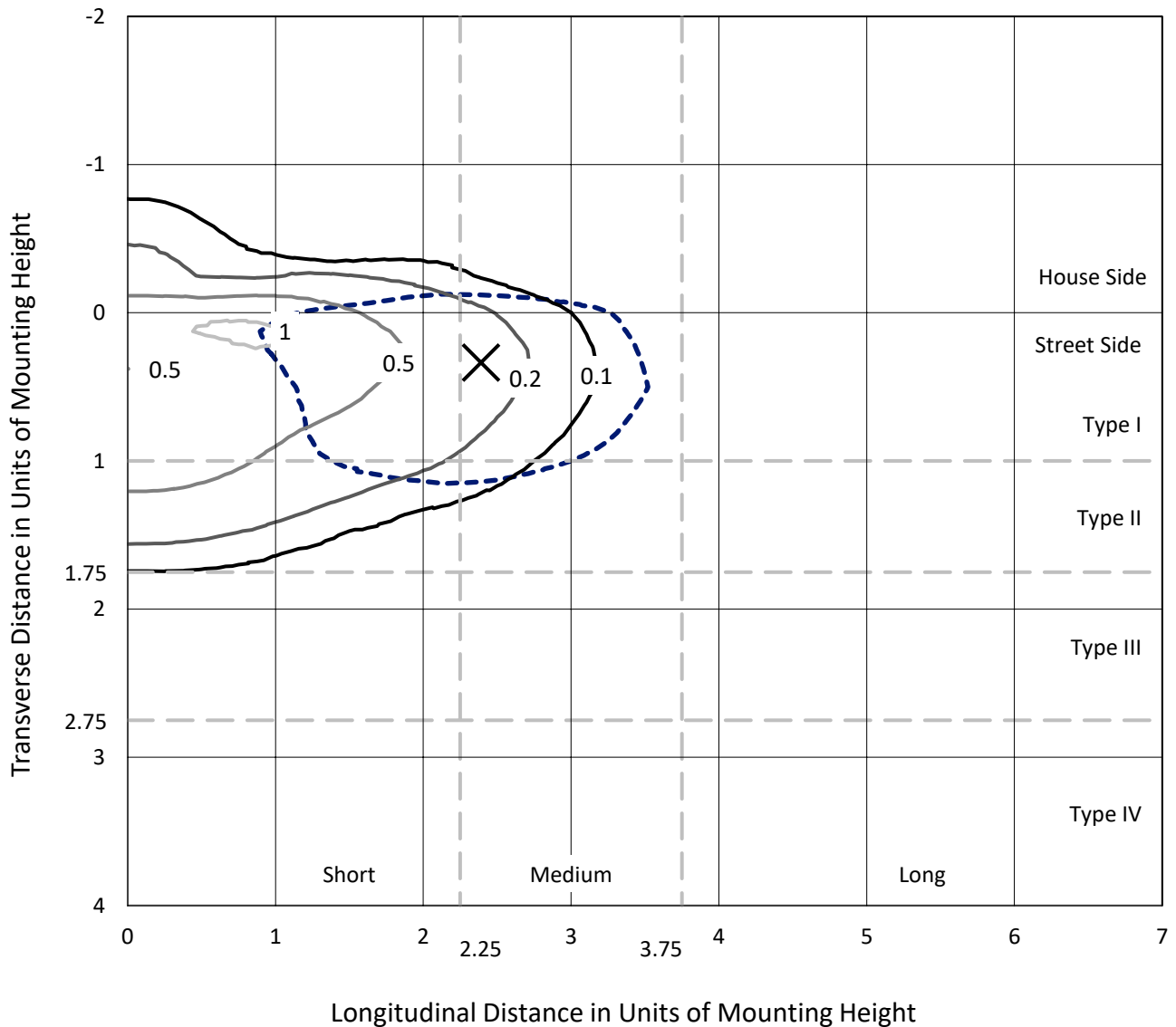
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

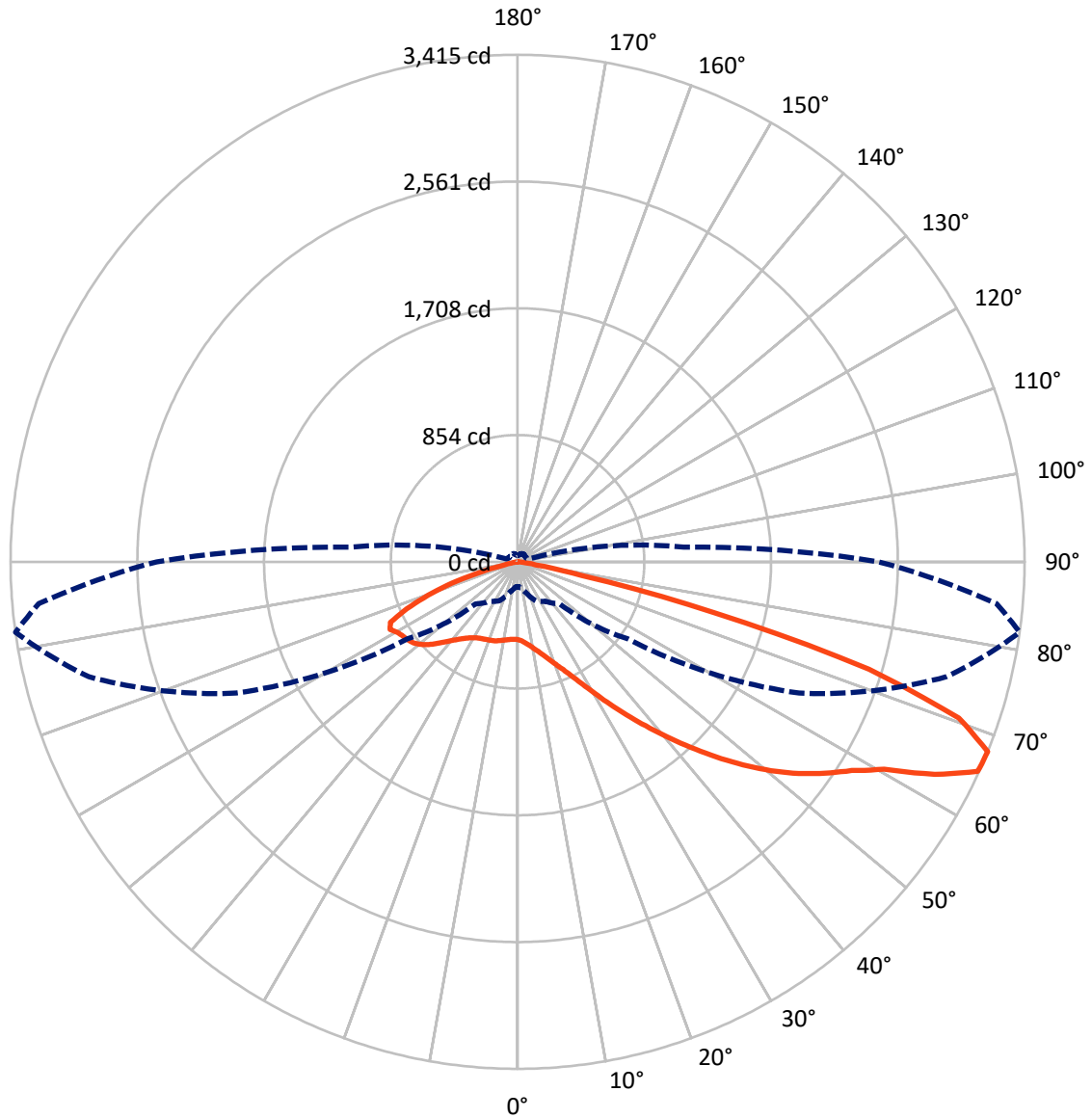
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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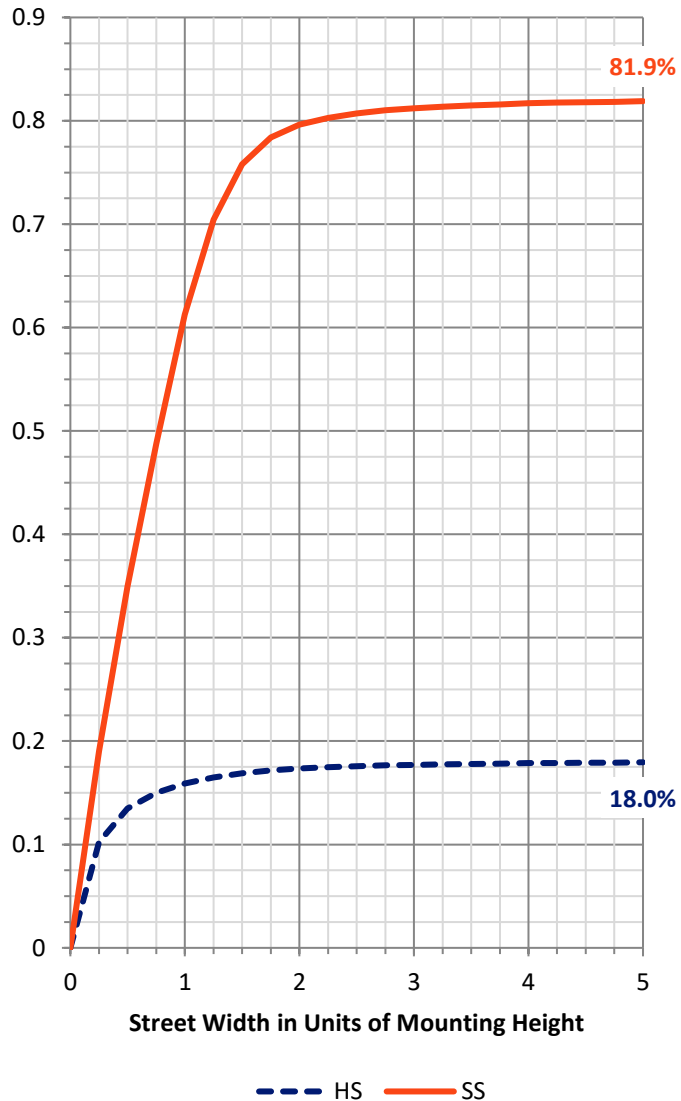
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	573.3	0.0	573.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2591.7	0.0	2591.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	3165.0	0.0	3165.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.7	1.5
10°-20°	121.4	3.8
20°-30°	194.4	6.1
30°-40°	343.8	10.9
40°-50°	602.4	19.0
50°-60°	803.4	25.4
60°-70°	747.9	23.6
70°-80°	287.1	9.1
80°-90°	17.8	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°	3165.0	100.0
0°-180°	3165.0	100.0

Coefficient of Utilization

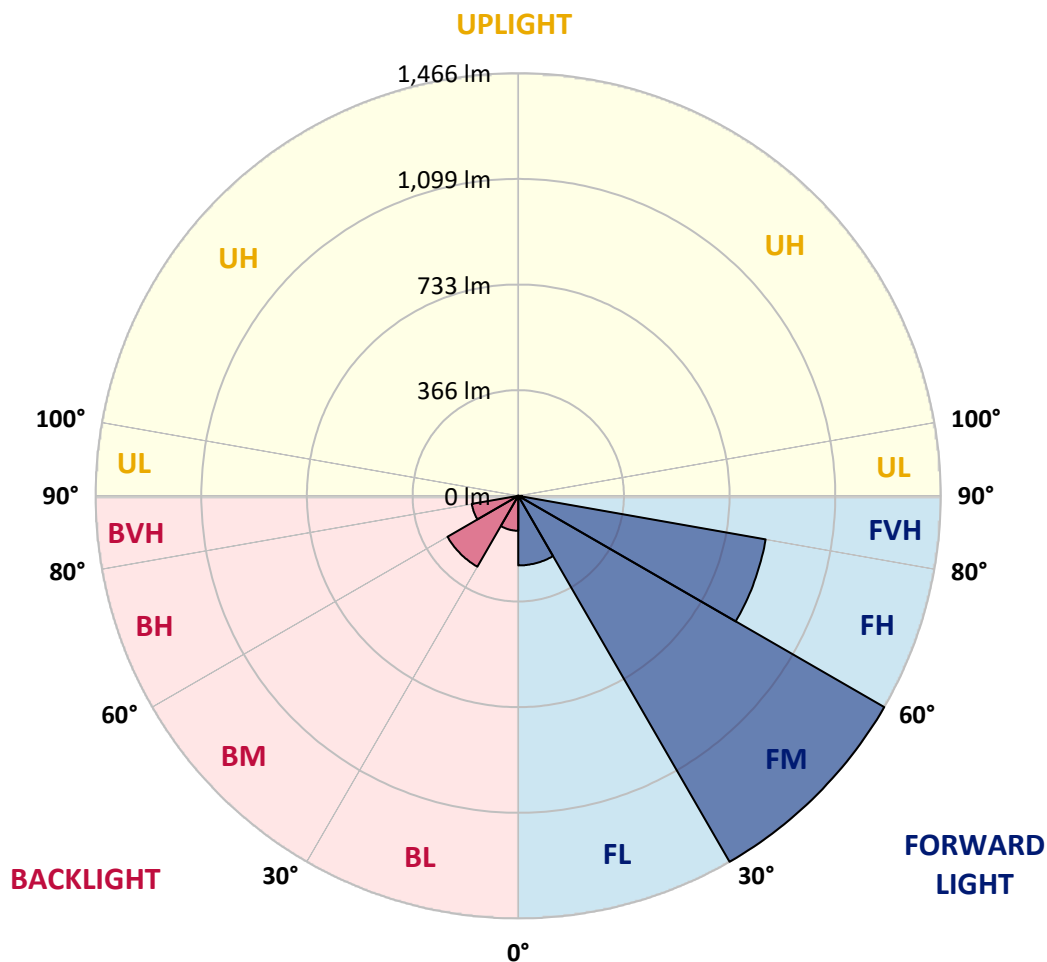


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.5	7.6			
FM (30°-60°)	1465.9	46.3			
FH (60°-80°)	871.4	27.5			G1/1800
FVH (80°-90°)	13.0	0.4			G1/100
BL (0°-30°)	121.1	3.8	B1/500		
BM (30°-60°)	283.7	9.0	B1/1000		
BH (60°-80°)	163.6	5.2	B1/500		G1/500
BVH (80°-90°)	4.9	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°	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3
2.5°	554.2	557.4	555.6	554.6	553.0	550.8	548.9	543.2	537.3	533.4
5°	565.4	568.5	568.3	569.2	570.4	571.0	570.6	564.2	555.8	549.2
7.5°	555.8	559.4	562.4	566.9	574.9	583.4	587.5	586.1	577.4	568.3
10°	528.7	532.5	539.6	550.3	567.2	585.4	600.7	607.7	602.3	592.2
12.5°	479.0	482.9	496.8	520.0	548.3	579.9	609.1	628.0	629.4	619.4
15°	423.2	427.0	441.8	471.0	514.1	564.9	613.7	649.4	661.5	652.9
17.5°	388.5	391.9	403.1	426.6	471.5	534.8	612.1	672.2	699.8	693.0
20°	378.0	381.0	386.2	402.6	440.0	503.6	601.6	693.6	741.0	737.2
22.5°	389.2	391.9	393.5	400.8	424.3	483.1	588.4	715.5	788.9	789.3
25°	415.0	417.7	415.9	420.4	430.7	476.7	583.4	741.3	849.1	854.1
27.5°	457.3	457.6	453.2	453.0	454.6	486.3	588.6	768.8	924.9	934.3
30°	542.3	538.9	522.3	504.3	496.1	515.0	603.2	801.4	1014.5	1031.1
32.5°	673.4	668.3	637.8	594.7	551.5	561.2	629.4	838.6	1112.0	1142.1
35°	815.6	814.2	782.3	718.3	642.6	627.1	672.0	887.3	1218.4	1266.3
37.5°	947.7	947.0	928.8	853.4	761.3	718.9	740.4	951.1	1332.4	1401.6
40°	1068.5	1070.5	1052.3	984.9	892.1	836.7	833.3	1030.0	1459.1	1549.1
42.5°	1172.9	1175.1	1156.7	1106.8	1021.3	967.1	947.5	1126.6	1582.8	1707.4
45°	1243.7	1257.9	1255.1	1215.2	1153.9	1097.7	1084.7	1247.8	1723.9	1875.4
47.5°	1263.8	1276.8	1297.3	1302.7	1265.4	1210.0	1225.5	1393.9	1866.5	2043.6
50°	1214.3	1226.4	1269.0	1325.8	1351.7	1334.6	1362.4	1550.4	2012.6	2211.3
52.5°	1116.8	1129.1	1182.9	1272.7	1378.6	1432.4	1499.9	1704.7	2154.1	2370.1
55°	975.7	988.7	1057.8	1159.4	1327.4	1472.7	1614.5	1858.8	2283.7	2513.0
57.5°	783.9	793.5	865.2	1007.4	1198.4	1432.6	1699.0	2026.9	2405.9	2653.3
60°	510.9	519.3	602.7	761.3	984.6	1298.6	1715.9	2214.5	2568.1	2835.9
62.5°	339.8	345.5	394.9	511.3	693.4	1041.4	1617.2	2364.2	2806.0	3153.5
65°	233.1	238.8	288.3	369.4	448.0	688.9	1333.5	2344.3	3021.6	3405.8
67.5°	166.3	171.1	213.1	289.6	324.3	400.1	904.0	2091.0	2990.6	3415.3
70°	119.2	121.9	156.5	225.6	257.7	240.4	502.7	1599.2	2618.5	3153.7
72.5°	83.4	84.3	108.7	171.8	207.6	175.5	239.3	1066.2	1980.4	2475.4
75°	56.5	57.7	73.1	126.0	166.6	134.0	126.7	571.7	1162.6	1370.2
77.5°	34.6	35.1	47.2	86.1	124.6	102.1	81.6	242.2	449.8	441.6
80°	19.6	19.6	30.1	53.5	85.0	65.9	57.2	103.0	142.4	125.1
82.5°	10.9	11.2	21.9	33.3	56.3	39.0	31.4	47.6	61.5	54.5
85°	4.6	5.0	13.4	15.7	26.9	19.4	12.8	20.1	22.8	20.3
87.5°	0.5	0.7	4.1	3.0	3.2	3.9	1.8	3.9	3.2	3.2
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°
524.3	0°	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3	524.3
532.1	2.5°	527.8	524.3	515.7	505.6	492.4	486.1	477.4	471.5	466.5	466.9
545.3	5°	538.0	529.3	510.0	485.8	455.7	434.3	411.5	395.8	383.1	380.3
563.5	7.5°	552.1	538.5	504.5	461.0	410.2	371.7	337.3	315.1	299.4	294.4
585.6	10°	570.4	550.5	497.4	429.8	356.6	307.6	270.7	253.4	242.7	239.0
611.6	12.5°	591.6	564.4	488.1	391.7	301.5	254.3	230.8	222.2	218.8	217.6
643.5	15°	618.2	581.8	474.0	346.6	254.8	221.7	211.7	210.6	211.0	210.6
681.8	17.5°	649.9	600.7	451.0	300.1	223.3	205.1	201.4	202.4	203.5	203.3
724.6	20°	684.5	619.4	421.6	258.9	201.9	193.2	191.2	192.1	193.0	192.6
774.1	22.5°	723.9	639.4	389.0	226.7	187.5	182.3	180.0	180.2	180.2	179.3
836.7	25°	771.1	661.5	354.8	203.9	176.6	172.5	169.8	168.9	167.5	164.8
912.9	27.5°	827.4	685.0	322.0	188.0	167.9	164.1	160.9	158.6	155.2	150.6
1004.2	30°	890.8	713.5	294.2	178.0	161.1	157.2	153.6	150.2	145.2	139.5
1109.3	32.5°	965.3	744.0	273.9	171.4	155.0	150.9	146.5	142.4	137.0	131.3
1227.3	35°	1054.1	780.9	262.1	166.8	150.2	144.7	139.9	135.4	131.3	126.2
1355.6	37.5°	1150.5	820.1	258.4	164.5	147.0	138.5	133.1	129.9	129.4	126.5
1494.4	40°	1256.0	866.6	261.1	163.2	143.6	132.6	126.7	126.0	127.2	121.9
1642.7	42.5°	1367.7	921.7	265.7	161.6	138.8	126.7	121.0	121.0	120.1	112.8
1799.5	45°	1488.5	985.3	270.3	157.7	133.1	120.8	116.4	114.8	111.0	103.9
1957.2	47.5°	1610.1	1050.0	273.7	150.6	126.2	115.8	111.9	108.2	102.5	96.2
2111.9	50°	1725.7	1108.1	270.0	140.1	118.5	111.0	106.9	101.9	95.7	91.4
2258.4	52.5°	1828.9	1158.5	254.5	127.8	110.3	106.0	102.3	97.1	92.1	87.5
2390.6	55°	1918.7	1199.3	227.2	116.2	103.0	101.6	98.0	91.4	84.5	80.7
2521.6	57.5°	2004.8	1230.3	193.0	106.6	96.4	96.8	91.4	85.5	79.1	75.0
2698.2	60°	2119.4	1271.8	158.4	97.8	89.3	90.7	84.8	80.4	72.5	67.2
3001.1	62.5°	2302.6	1336.2	125.8	86.8	81.1	81.6	79.1	73.8	64.3	58.1
3225.5	65°	2448.0	1312.5	99.1	75.0	71.8	72.5	72.5	66.8	56.5	49.4
3237.6	67.5°	2431.6	1123.9	79.1	63.3	62.9	63.3	64.9	60.2	50.1	44.4
2991.0	70°	2240.0	893.9	63.3	52.6	54.7	53.5	58.1	54.9	45.1	39.4
2318.8	72.5°	1827.8	644.0	48.3	43.5	41.9	43.8	52.4	49.4	37.6	31.2
1228.2	75°	1068.0	343.6	36.0	34.4	30.3	36.5	46.5	42.2	28.7	23.0
376.4	77.5°	347.7	119.9	26.4	25.3	22.6	29.4	39.6	35.5	23.5	18.2
110.3	80°	93.2	36.2	18.0	16.6	14.6	21.9	31.4	28.3	16.9	11.8
47.4	82.5°	37.4	15.3	10.5	9.3	8.0	15.0	24.8	22.8	12.5	7.5
14.8	85°	12.1	5.0	3.9	3.0	3.6	9.3	14.8	15.5	8.9	3.9
2.3	87.5°	1.6	0.7	0.7	0.9	0.7	1.6	4.6	4.3	2.5	0.5
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°
524.3
462.4
374.2
289.4
236.3
216.9
210.3
202.8
192.3
178.9
164.3
150.2
139.0
131.5
125.8
126.2
122.1
112.8
103.7
95.9
90.7
87.0
80.2
74.5
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57.7
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