

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: P852342

Luminaire Tested: **GLAN-SB3A-850-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-850-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8750 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

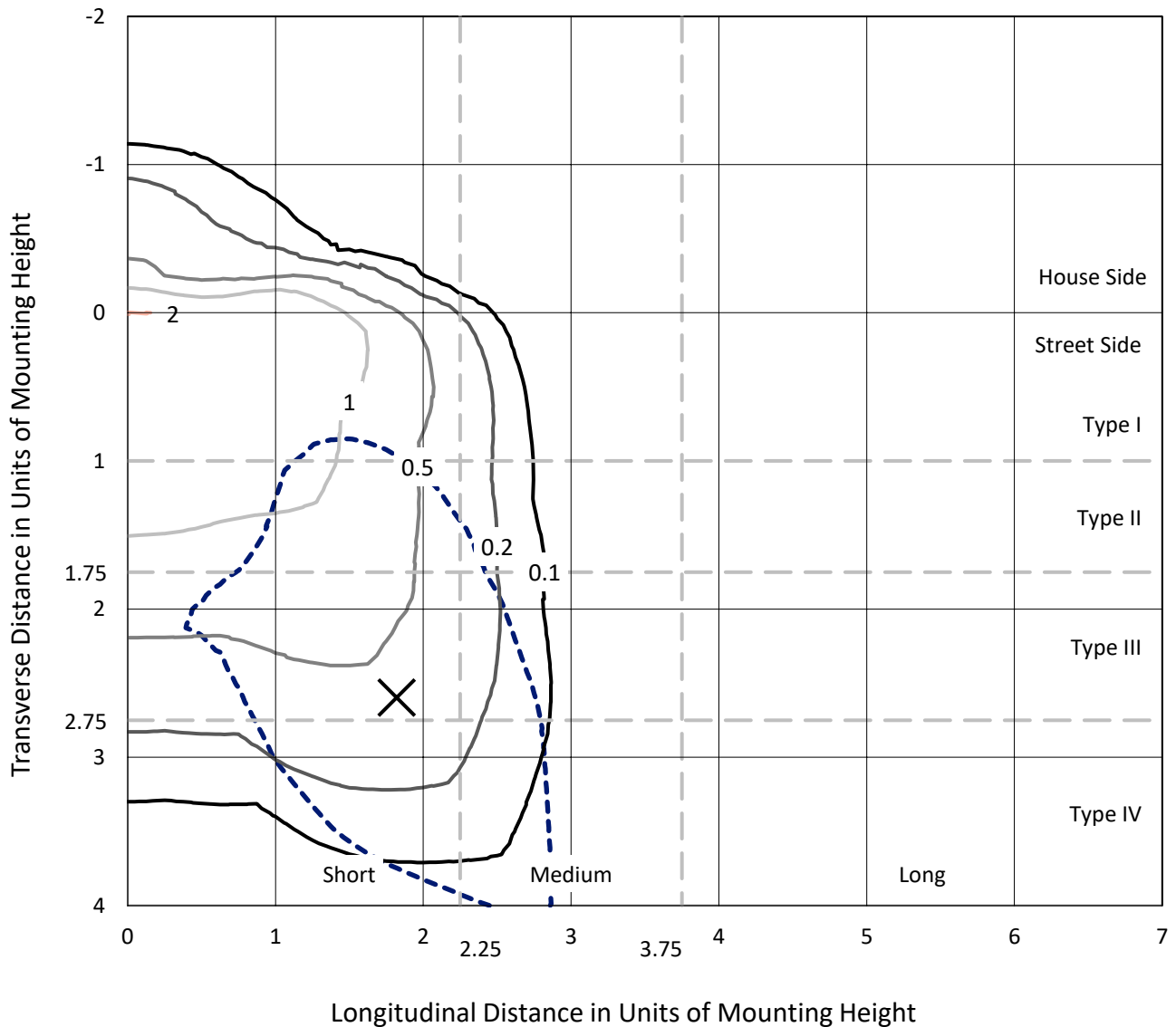
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

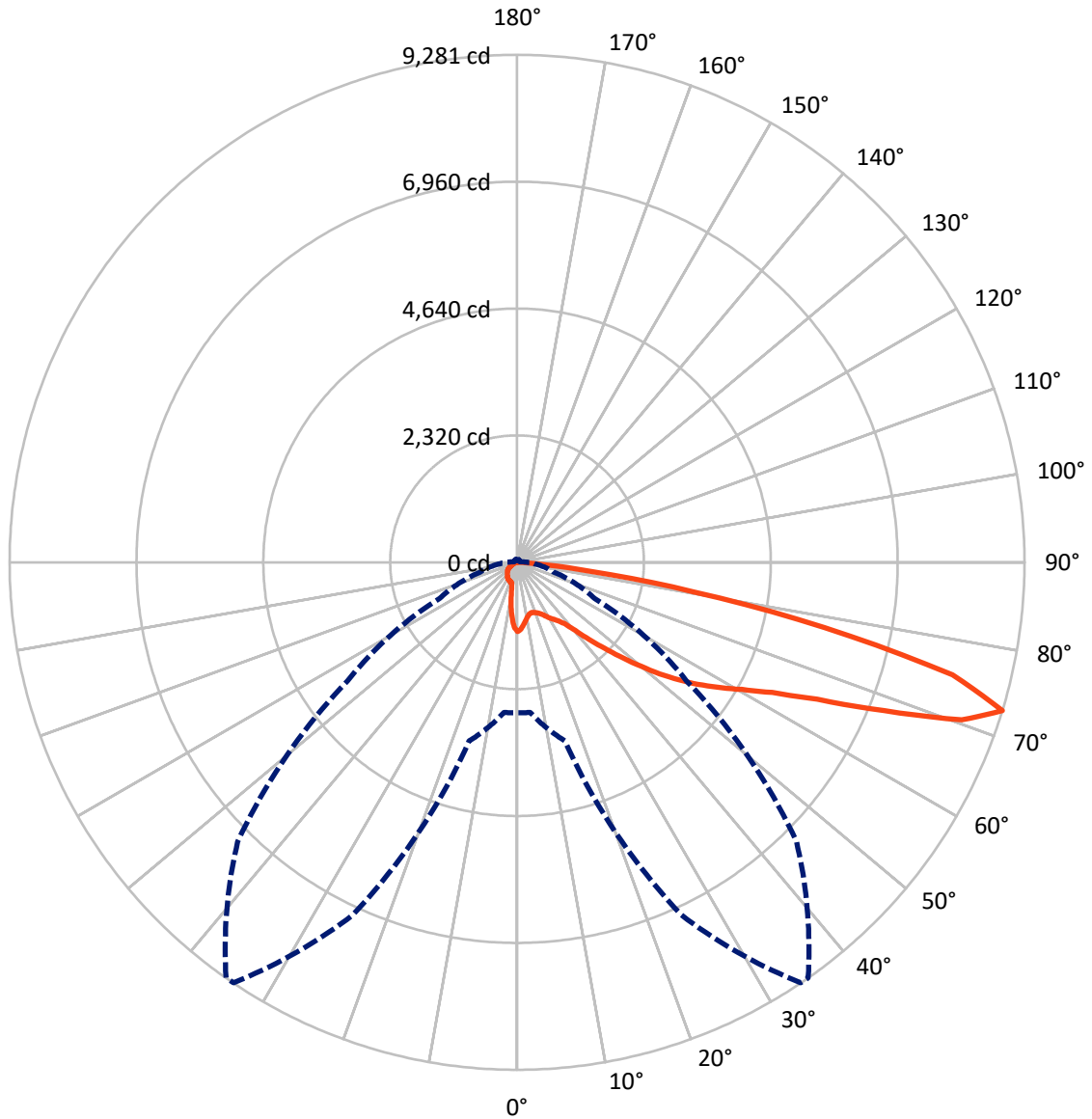
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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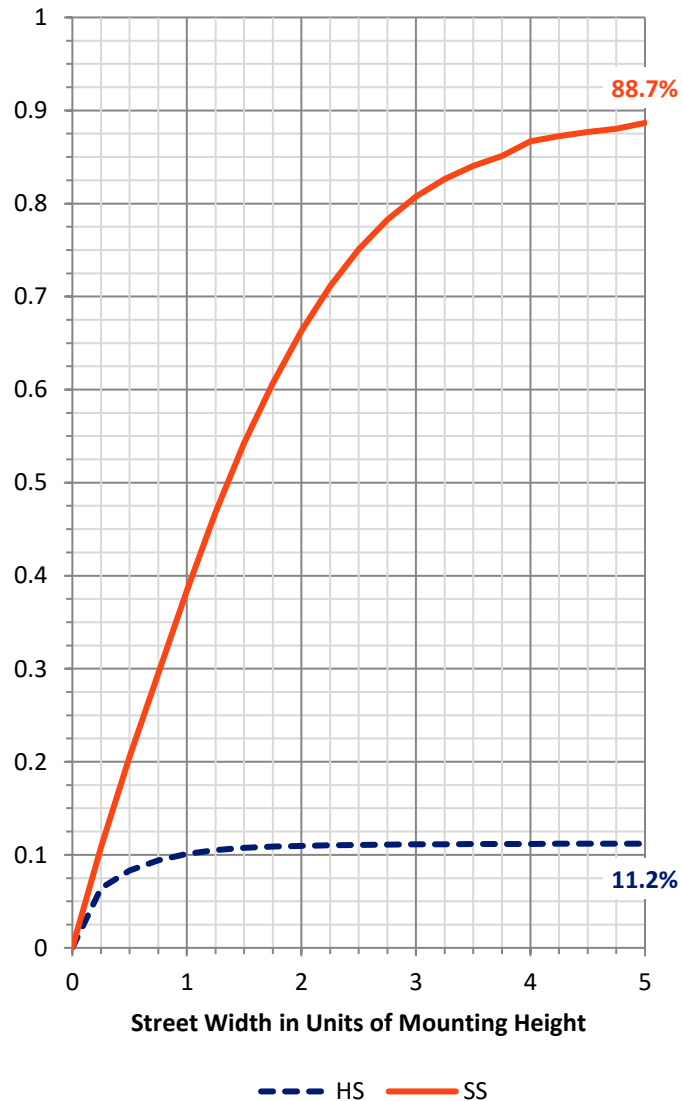
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.8	0.0	984.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7765.2	0.0	7765.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	8750.0	0.0	8750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	1.2
10°-20°	243.8	2.8
20°-30°	396.0	4.5
30°-40°	660.8	7.6
40°-50°	1250.2	14.3
50°-60°	1986.5	22.7
60°-70°	2457.5	28.1
70°-80°	1527.6	17.5
80°-90°	123.4	1.4
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°	8750.0	100.0
0°-180°	8750.0	100.0

Coefficient of Utilization



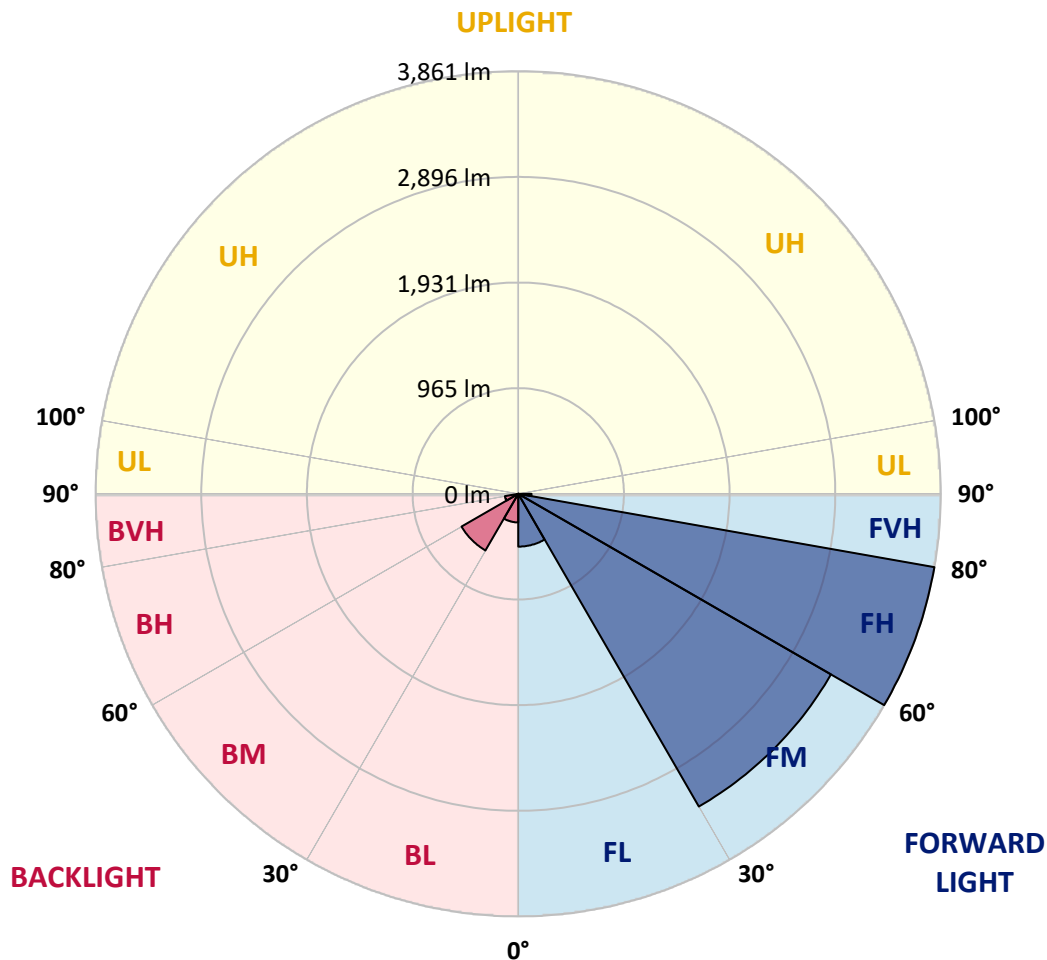
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	482.3	5.5			
FM (30°-60°)	3299.6	37.7			
FH (60°-80°)	3861.5	44.1			G2/5000
FVH (80°-90°)	121.8	1.4			G2/225
BL (0°-30°)	261.7	3.0	B1/500		
BM (30°-60°)	597.8	6.8	B1/1000		
BH (60°-80°)	123.6	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2
2.5°	1211.7	1222.0	1223.9	1227.1	1227.1	1231.0	1237.4	1246.4	1261.1	1268.8
5°	1116.9	1124.6	1134.2	1141.9	1156.6	1158.5	1183.5	1207.9	1241.9	1267.5
7.5°	1021.3	1030.3	1043.1	1061.7	1081.0	1086.7	1124.6	1165.6	1219.4	1267.5
10°	954.0	954.7	966.2	984.8	1015.6	1022.6	1068.8	1127.1	1194.4	1259.8
12.5°	916.2	920.7	925.8	939.9	969.4	973.9	1023.3	1091.9	1169.4	1255.3
15°	916.2	919.4	922.6	929.6	953.4	957.2	1000.8	1069.4	1156.6	1257.3
17.5°	925.8	930.9	928.4	936.7	961.7	964.3	1002.7	1063.0	1156.0	1269.5
20°	948.9	952.7	947.6	952.7	977.7	982.9	1022.6	1075.2	1166.9	1290.6
22.5°	985.4	987.4	975.2	979.0	1004.7	1011.1	1057.2	1109.8	1193.2	1324.6
25°	1031.6	1035.4	1016.8	1021.3	1045.7	1053.4	1106.6	1161.7	1234.8	1371.4
27.5°	1084.8	1086.7	1070.7	1070.1	1101.5	1112.4	1166.2	1225.9	1290.6	1430.4
30°	1145.7	1151.5	1136.1	1133.5	1173.3	1182.3	1235.5	1304.7	1372.7	1518.9
32.5°	1193.8	1198.3	1189.3	1195.7	1236.1	1243.2	1319.5	1416.3	1501.5	1644.5
35°	1263.0	1265.6	1245.1	1256.6	1302.8	1320.7	1434.2	1572.7	1663.7	1802.2
37.5°	1513.7	1513.7	1426.5	1369.5	1413.7	1429.7	1591.3	1769.5	1863.8	2013.8
40°	1860.6	1854.8	1727.2	1610.5	1604.8	1636.2	1815.1	2017.7	2122.2	2267.7
42.5°	2230.5	2221.5	2047.8	1932.4	1913.2	1924.1	2073.4	2323.5	2429.9	2577.4
45°	2558.8	2556.2	2397.2	2242.1	2207.4	2242.1	2395.9	2681.2	2757.5	2912.7
47.5°	2833.8	2833.8	2717.8	2616.5	2598.5	2619.0	2832.5	3078.1	3071.0	3269.8
50°	3150.5	3148.0	3037.7	2994.1	3012.7	3041.6	3335.2	3496.1	3395.5	3620.5
52.5°	3372.4	3387.8	3349.9	3342.9	3437.8	3487.8	3845.5	3905.2	3685.9	3953.2
55°	3548.1	3566.0	3609.6	3659.0	3841.7	3907.1	4339.9	4293.1	3928.9	4241.8
57.5°	3796.8	3771.2	3838.5	3935.9	4231.5	4310.4	4818.8	4659.1	4124.4	4475.8
60°	4098.8	4102.6	4114.2	4237.3	4620.7	4722.0	5290.7	5005.4	4250.1	4619.4
62.5°	4461.7	4467.4	4491.2	4680.3	5143.2	5238.7	5793.3	5288.7	4307.8	4579.0
65°	4436.7	4461.0	4725.8	5372.7	5937.6	6031.8	6380.0	5487.5	4220.6	4209.7
67.5°	4041.7	4081.5	4524.5	6199.8	7135.2	7240.4	7089.0	5526.6	3844.3	3273.6
70°	3523.7	3537.8	4070.6	6943.5	8522.0	8628.4	7723.8	5096.4	2917.2	1826.0
72.5°	2751.8	2755.0	3380.1	7116.0	9274.7	9280.5	7225.6	3783.3	1568.9	701.4
75°	1965.7	1946.5	2263.9	5770.9	8159.7	8225.1	5417.0	1774.7	599.5	331.5
77.5°	1054.0	1075.2	1281.0	3422.4	5636.9	5748.4	2955.6	511.6	305.2	225.7
80°	325.7	343.6	525.1	1566.9	3192.9	3260.2	1095.7	227.6	212.9	160.9
82.5°	102.6	106.4	244.9	658.4	1325.2	1356.0	317.4	128.9	145.5	106.4
85°	29.5	30.1	109.0	245.6	327.6	334.0	89.1	50.0	83.3	66.0
87.5°	3.2	10.3	41.0	41.0	28.9	28.2	9.6	10.9	23.7	8.3
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°
1268.2	0°	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2	1268.2
1273.9	2.5°	1270.7	1271.4	1263.0	1248.9	1233.5	1220.7	1204.7	1191.9	1182.9	1180.3
1285.5	5°	1279.7	1275.2	1251.5	1208.5	1157.3	1113.0	1063.6	1024.5	998.9	988.0
1297.7	7.5°	1293.2	1280.3	1228.4	1143.8	1045.7	958.5	870.0	801.4	757.8	736.0
1309.2	10°	1304.7	1279.1	1189.9	1050.2	900.2	768.1	648.8	566.1	520.0	498.2
1322.7	12.5°	1315.6	1278.4	1139.9	939.3	736.0	574.5	463.5	422.5	409.7	405.2
1344.5	15°	1336.1	1280.3	1077.1	812.3	572.5	434.0	393.7	393.0	395.6	394.3
1377.8	17.5°	1364.3	1282.3	1005.9	677.7	441.7	382.8	380.8	386.6	390.5	388.5
1419.5	20°	1400.9	1290.0	930.3	544.3	379.6	369.9	374.4	379.6	382.8	379.6
1475.3	22.5°	1452.2	1303.4	847.6	437.3	359.7	362.2	366.1	371.9	375.1	370.6
1546.4	25°	1515.0	1324.6	766.2	380.2	350.1	353.3	359.0	365.4	369.3	364.8
1636.2	27.5°	1596.4	1358.6	691.1	367.4	340.4	342.4	350.7	360.3	365.4	359.7
1763.8	30°	1714.4	1414.3	626.4	373.1	334.7	330.2	341.7	355.2	361.0	355.8
1937.5	32.5°	1870.8	1493.2	586.6	382.1	332.1	316.1	327.0	344.3	353.9	350.7
2164.5	35°	2076.0	1613.1	571.3	392.4	330.2	301.3	309.0	327.6	344.3	347.5
2450.4	37.5°	2324.8	1779.8	575.7	396.9	324.4	289.2	293.0	309.0	330.8	341.1
2772.3	40°	2607.5	1974.1	601.4	392.4	318.0	278.9	279.5	291.7	311.0	326.3
3118.5	42.5°	2899.2	2201.0	648.8	375.7	312.2	269.9	268.0	276.3	289.2	300.1
3464.1	45°	3176.8	2434.4	695.6	352.6	305.2	260.9	256.5	259.7	262.2	266.7
3800.7	47.5°	3419.2	2598.5	682.2	331.5	295.6	250.7	243.0	241.7	234.0	233.4
4101.4	50°	3586.5	2634.4	605.9	310.3	281.5	239.1	227.0	219.3	205.8	199.4
4326.4	52.5°	3639.7	2492.7	495.0	289.2	258.4	223.8	206.4	194.3	177.6	171.8
4455.9	55°	3569.2	2215.1	395.6	263.5	226.3	203.2	184.0	168.0	154.5	147.5
4470.0	57.5°	3396.7	1861.9	312.9	233.4	192.3	180.2	160.9	144.9	133.4	126.3
4313.6	60°	3110.8	1478.5	247.5	197.5	164.1	155.2	135.3	125.0	114.8	106.4
3909.7	62.5°	2676.7	1055.3	194.3	156.4	137.2	126.9	115.4	107.7	95.5	84.0
3183.2	65°	2088.8	645.6	150.0	114.8	110.3	105.1	98.1	91.0	76.3	64.8
2076.6	67.5°	1317.5	305.8	107.1	86.6	87.2	84.6	81.4	75.7	64.8	54.5
930.3	70°	580.2	148.1	70.5	66.0	64.8	64.8	67.3	65.4	55.1	45.5
323.1	72.5°	197.5	79.5	52.6	50.0	46.8	46.2	56.4	54.5	44.2	35.3
160.9	75°	103.2	53.2	38.5	35.9	28.2	34.0	44.9	42.3	31.4	23.1
106.4	77.5°	67.3	37.8	26.3	23.1	16.0	22.4	33.3	29.5	18.6	11.5
69.9	80°	42.3	25.0	15.4	10.9	7.7	12.2	18.0	12.8	7.1	2.6
41.0	82.5°	22.4	12.8	5.8	3.8	3.2	3.8	4.5	3.2	1.3	0.0
21.2	85°	9.0	4.5	1.9	1.3	0.6	0.0	1.3	0.6	0.0	0.0
3.8	87.5°	3.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
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1268.2
1184.8
991.8
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369.9
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355.2
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