

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: P852456

Luminaire Tested: **GLAN-SB4A-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852456
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-SB4A-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 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: 10644 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

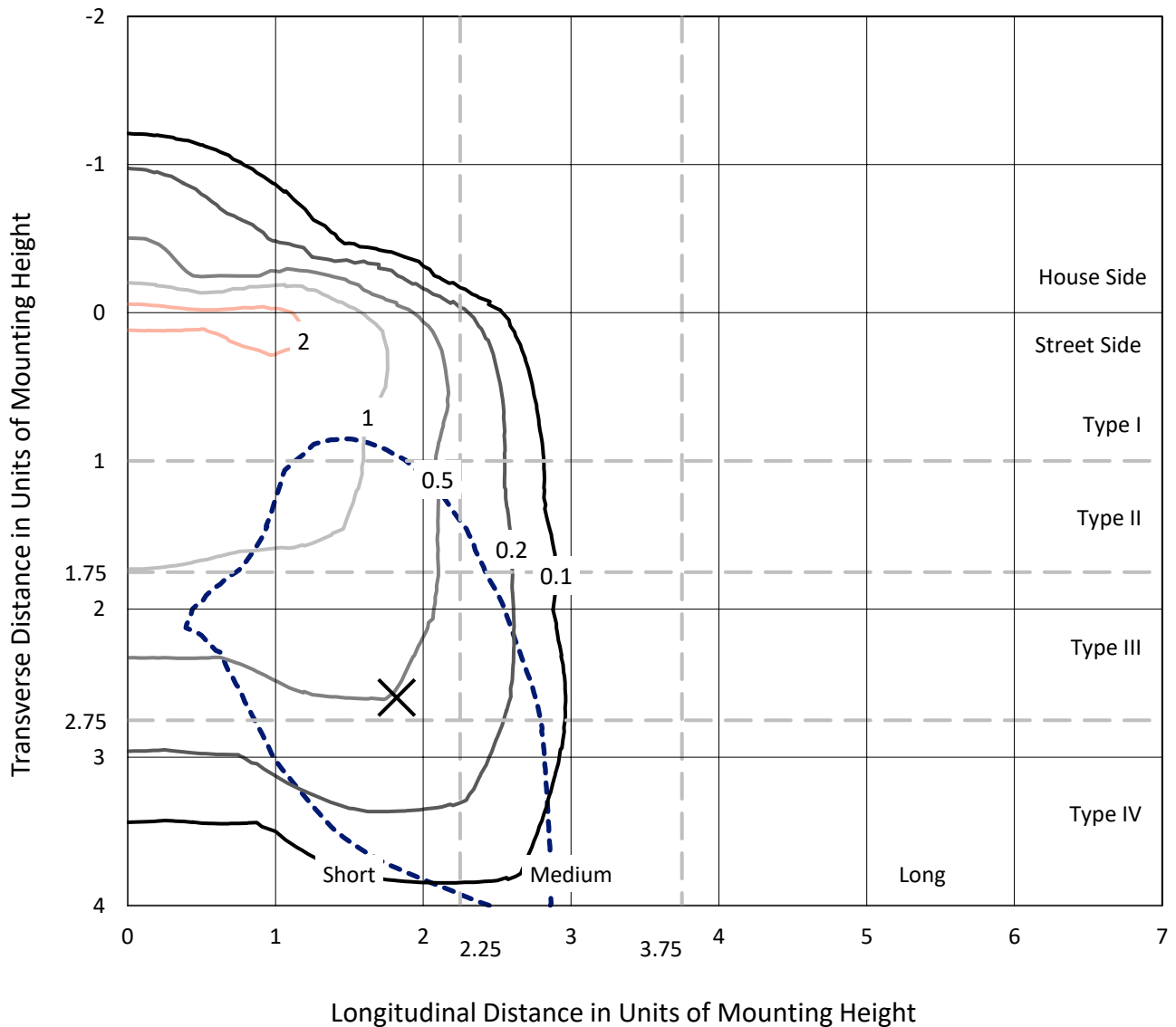
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852456
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Iso-Footcandle Lines of Horizontal Illumination

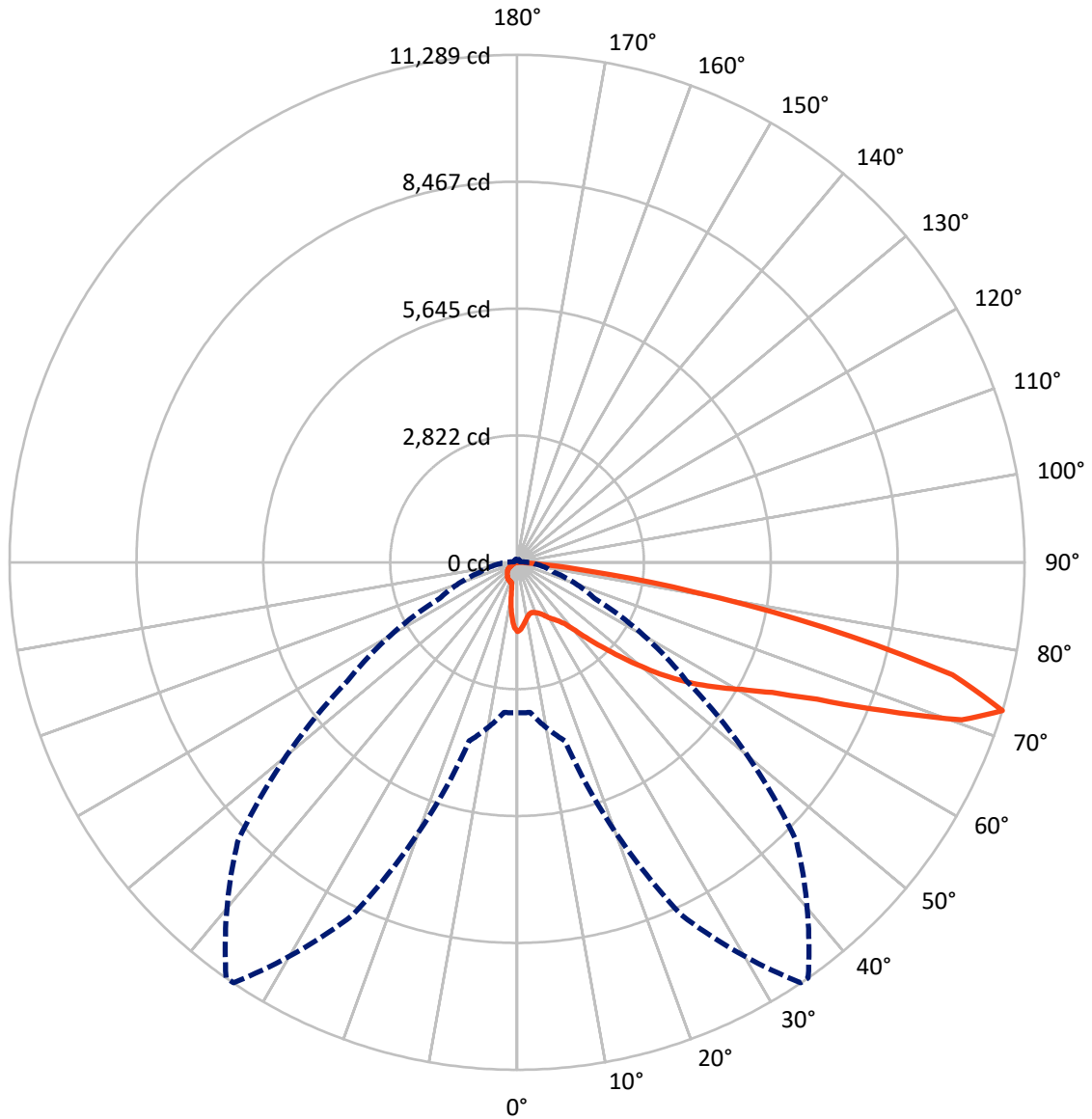
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P852456
CATALOG NUMBER: GLAN-SB4A-722-U-T4FT-HSS

Luminous Intensity Polar Plot



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

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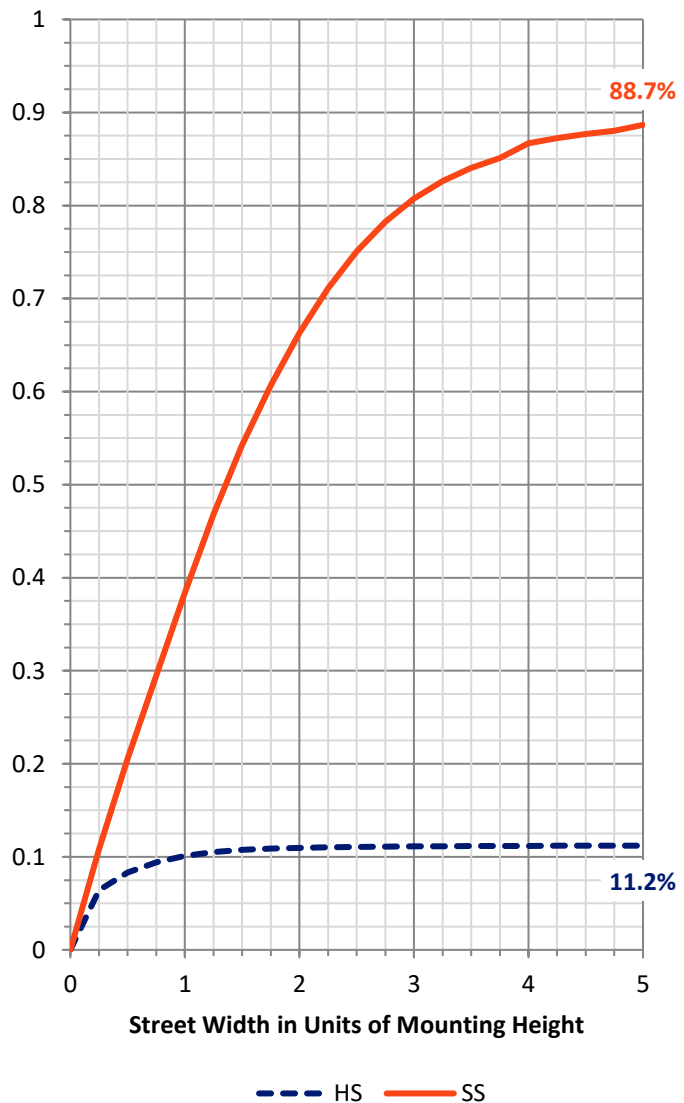
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1197.9	0.0	1197.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9446.1	0.0	9446.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	10644.0	0.0	10644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.8	1.2
10°-20°	296.6	2.8
20°-30°	481.7	4.5
30°-40°	803.8	7.6
40°-50°	1520.8	14.3
50°-60°	2416.5	22.7
60°-70°	2989.4	28.1
70°-80°	1858.2	17.5
80°-90°	150.2	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°	10644.0	100.0
0°-180°	10644.0	100.0

Coefficient of Utilization

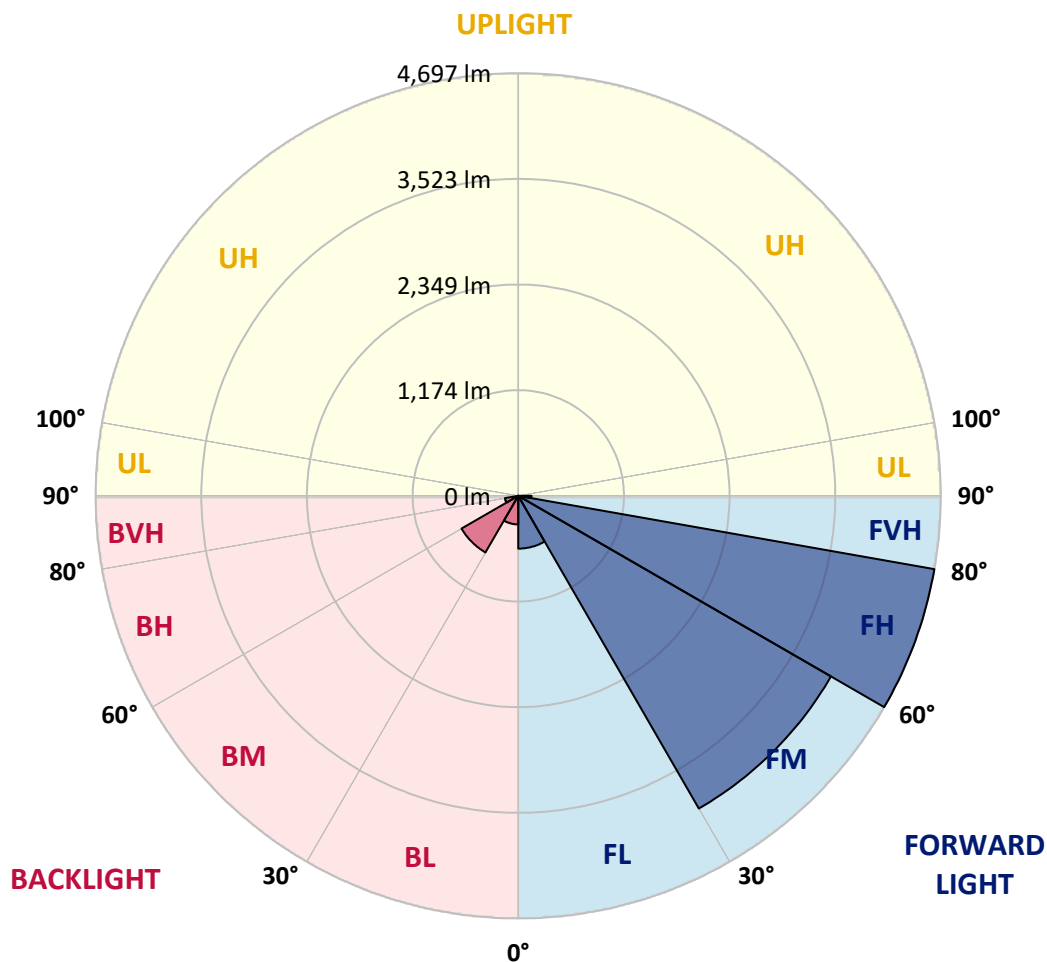


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.8	5.5			
FM (30°-60°)	4013.9	37.7			
FH (60°-80°)	4697.3	44.1			G2/5000
FVH (80°-90°)	148.1	1.4			G2/225
BL (0°-30°)	318.3	3.0	B1/500		
BM (30°-60°)	727.2	6.8	B1/1000		
BH (60°-80°)	150.3	1.4	B1/500		G1/500
BVH (80°-90°)	2.0	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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 CATALOG NUMBER: GLAN-SB4A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7
2.5°	1474.0	1486.5	1488.9	1492.8	1492.8	1497.4	1505.2	1516.2	1534.1	1543.5
5°	1358.6	1368.0	1379.7	1389.0	1407.0	1409.3	1439.7	1469.4	1510.7	1541.9
7.5°	1242.4	1253.3	1268.9	1291.5	1314.9	1322.0	1368.0	1417.9	1483.4	1541.9
10°	1160.5	1161.3	1175.3	1197.9	1235.4	1244.0	1300.1	1371.1	1453.0	1532.5
12.5°	1114.5	1120.0	1126.2	1143.4	1179.2	1184.7	1244.7	1328.2	1422.6	1527.1
15°	1114.5	1118.4	1122.3	1130.9	1159.7	1164.4	1217.4	1300.9	1407.0	1529.4
17.5°	1126.2	1132.4	1129.3	1139.5	1169.9	1173.0	1219.8	1293.1	1406.2	1544.2
20°	1154.3	1159.0	1152.7	1159.0	1189.4	1195.6	1244.0	1307.9	1419.4	1570.0
22.5°	1198.7	1201.1	1186.3	1190.9	1222.1	1229.9	1286.1	1350.0	1451.4	1611.3
25°	1254.9	1259.6	1236.9	1242.4	1272.0	1281.4	1346.1	1413.2	1502.1	1668.2
27.5°	1319.6	1322.0	1302.5	1301.7	1339.9	1353.2	1418.7	1491.2	1570.0	1740.0
30°	1393.7	1400.7	1382.0	1378.9	1427.2	1438.2	1502.9	1587.1	1669.8	1847.6
32.5°	1452.2	1457.7	1446.7	1454.5	1503.7	1512.3	1605.1	1722.8	1826.6	2000.5
35°	1536.4	1539.6	1514.6	1528.6	1584.8	1606.6	1744.7	1913.1	2023.9	2192.3
37.5°	1841.4	1841.4	1735.3	1665.9	1719.7	1739.2	1935.7	2152.6	2267.2	2449.7
40°	2263.3	2256.3	2101.1	1959.1	1952.1	1990.3	2207.9	2454.4	2581.5	2758.6
42.5°	2713.3	2702.4	2491.0	2350.7	2327.3	2340.5	2522.2	2826.4	2955.9	3135.3
45°	3112.6	3109.5	2916.1	2727.4	2685.2	2727.4	2914.5	3261.6	3354.4	3543.2
47.5°	3447.2	3447.2	3306.1	3182.8	3161.0	3186.0	3445.7	3744.4	3735.8	3977.6
50°	3832.5	3829.4	3695.2	3642.2	3664.8	3699.9	4057.1	4252.9	4130.4	4404.2
52.5°	4102.4	4121.1	4075.1	4066.5	4181.9	4242.7	4677.9	4750.5	4483.7	4809.0
55°	4316.1	4337.9	4390.9	4451.0	4673.3	4752.8	5279.2	5222.3	4779.3	5159.9
57.5°	4618.7	4587.5	4669.4	4787.9	5147.4	5243.4	5861.8	5667.6	5017.2	5444.6
60°	4986.0	4990.7	5004.7	5154.5	5620.8	5744.1	6435.9	6088.8	5170.1	5619.3
62.5°	5427.4	5434.4	5463.3	5693.4	6256.5	6372.7	7047.3	6433.5	5240.3	5570.2
65°	5397.0	5426.7	5748.8	6535.7	7222.8	7337.4	7760.9	6675.3	5134.2	5120.9
67.5°	4916.6	4964.9	5503.9	7541.8	8679.7	8807.6	8623.5	6722.9	4676.4	3982.2
70°	4286.4	4303.6	4951.7	8446.5	10366.6	10496.1	9395.6	6199.5	3548.6	2221.2
72.5°	3347.4	3351.3	4111.7	8656.3	11282.3	11289.3	8789.6	4602.3	1908.5	853.2
75°	2391.2	2367.8	2753.9	7020.0	9926.0	10005.5	6589.5	2158.8	729.2	403.2
77.5°	1282.2	1307.9	1558.3	4163.2	6857.0	6992.7	3595.4	622.4	371.2	274.5
80°	396.2	418.0	638.8	1906.1	3884.0	3965.9	1332.9	276.9	258.9	195.8
82.5°	124.8	129.5	297.9	801.0	1612.1	1649.5	386.1	156.8	177.0	129.5
85°	35.9	36.7	132.6	298.7	398.5	406.3	108.4	60.8	101.4	80.3
87.5°	3.9	12.5	49.9	49.9	35.1	34.3	11.7	13.3	28.9	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852456
 CATALOG NUMBER: GLAN-SB4A-722-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1542.7	0°	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7	1542.7
1549.7	2.5°	1545.8	1546.6	1536.4	1519.3	1500.6	1485.0	1465.5	1449.9	1438.9	1435.8
1563.7	5°	1556.7	1551.3	1522.4	1470.1	1407.7	1353.9	1293.9	1246.3	1215.1	1201.8
1578.5	7.5°	1573.1	1557.5	1494.3	1391.4	1272.0	1166.0	1058.3	974.9	921.9	895.3
1592.6	10°	1587.1	1555.9	1447.5	1277.5	1095.0	934.3	789.3	688.7	632.5	606.0
1609.0	12.5°	1600.4	1555.2	1386.7	1142.6	895.3	698.8	563.9	514.0	498.4	492.9
1635.5	15°	1625.3	1557.5	1310.3	988.2	696.5	528.0	478.9	478.1	481.2	479.6
1676.0	17.5°	1659.7	1559.8	1223.7	824.4	537.4	465.6	463.3	470.3	475.0	472.6
1726.7	20°	1704.1	1569.2	1131.7	662.1	461.7	450.0	455.5	461.7	465.6	461.7
1794.6	22.5°	1766.5	1585.6	1031.0	531.9	437.5	440.7	445.3	452.4	456.3	450.8
1881.2	25°	1842.9	1611.3	932.0	462.5	425.8	429.7	436.8	444.6	449.2	443.8
1990.3	27.5°	1942.0	1652.6	840.7	446.9	414.1	416.5	426.6	438.3	444.6	437.5
2145.5	30°	2085.5	1720.5	762.0	453.9	407.1	401.7	415.7	432.1	439.1	432.9
2356.9	32.5°	2275.8	1816.4	713.6	464.8	404.0	384.5	397.8	418.8	430.5	426.6
2633.0	35°	2525.4	1962.3	694.9	477.3	401.7	366.6	375.9	398.5	418.8	422.7
2980.8	37.5°	2828.0	2165.0	700.4	482.8	394.6	351.7	356.4	375.9	402.4	414.9
3372.4	40°	3171.9	2401.4	731.6	477.3	386.8	339.3	340.0	354.9	378.3	397.0
3793.5	42.5°	3526.8	2677.4	789.3	457.0	379.8	328.3	326.0	336.1	351.7	365.0
4213.9	45°	3864.5	2961.3	846.2	429.0	371.2	317.4	312.0	315.9	319.0	324.4
4623.3	47.5°	4159.3	3161.0	829.8	403.2	359.5	304.9	295.6	294.0	284.7	283.9
4989.1	50°	4362.8	3204.7	737.0	377.5	342.4	290.9	276.1	266.7	250.4	242.6
5262.9	52.5°	4427.6	3032.3	602.1	351.7	314.3	272.2	251.1	236.3	216.0	209.0
5420.4	55°	4341.8	2694.6	481.2	320.5	275.3	247.2	223.8	204.3	188.0	179.4
5437.6	57.5°	4132.0	2264.9	380.6	283.9	234.0	219.2	195.8	176.3	162.2	153.6
5247.3	60°	3784.1	1798.5	301.0	240.2	199.7	188.7	164.6	152.1	139.6	129.5
4755.9	62.5°	3256.1	1283.7	236.3	190.3	166.9	154.4	140.4	131.0	116.2	102.2
3872.3	65°	2541.0	785.4	182.5	139.6	134.1	127.9	119.3	110.7	92.8	78.8
2526.1	67.5°	1602.7	372.0	130.2	105.3	106.1	102.9	99.0	92.0	78.8	66.3
1131.7	70°	705.8	180.2	85.8	80.3	78.8	78.8	81.9	79.6	67.1	55.4
393.1	72.5°	240.2	96.7	64.0	60.8	56.9	56.2	68.6	66.3	53.8	42.9
195.8	75°	125.6	64.7	46.8	43.7	34.3	41.3	54.6	51.5	38.2	28.1
129.5	77.5°	81.9	46.0	32.0	28.1	19.5	27.3	40.6	35.9	22.6	14.0
85.0	80°	51.5	30.4	18.7	13.3	9.4	14.8	21.8	15.6	8.6	3.1
49.9	82.5°	27.3	15.6	7.0	4.7	3.9	4.7	5.5	3.9	1.6	0.0
25.7	85°	10.9	5.5	2.3	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.7	87.5°	3.9	0.8	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

<u>180°</u>
1542.7
1441.3
1206.5
899.2
606.8
491.3
478.9
471.8
460.9
450.0
443.0
437.5
432.1
426.6
422.7
418.0
403.2
370.5
327.6
283.1
243.3
208.2
179.4
152.1
127.1
99.8
76.4
64.7
53.0
40.6
25.7
12.5
2.3
0.0
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