

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: P852326

Luminaire Tested: **GLAN-SB3A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852326  
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-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 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: 10000 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

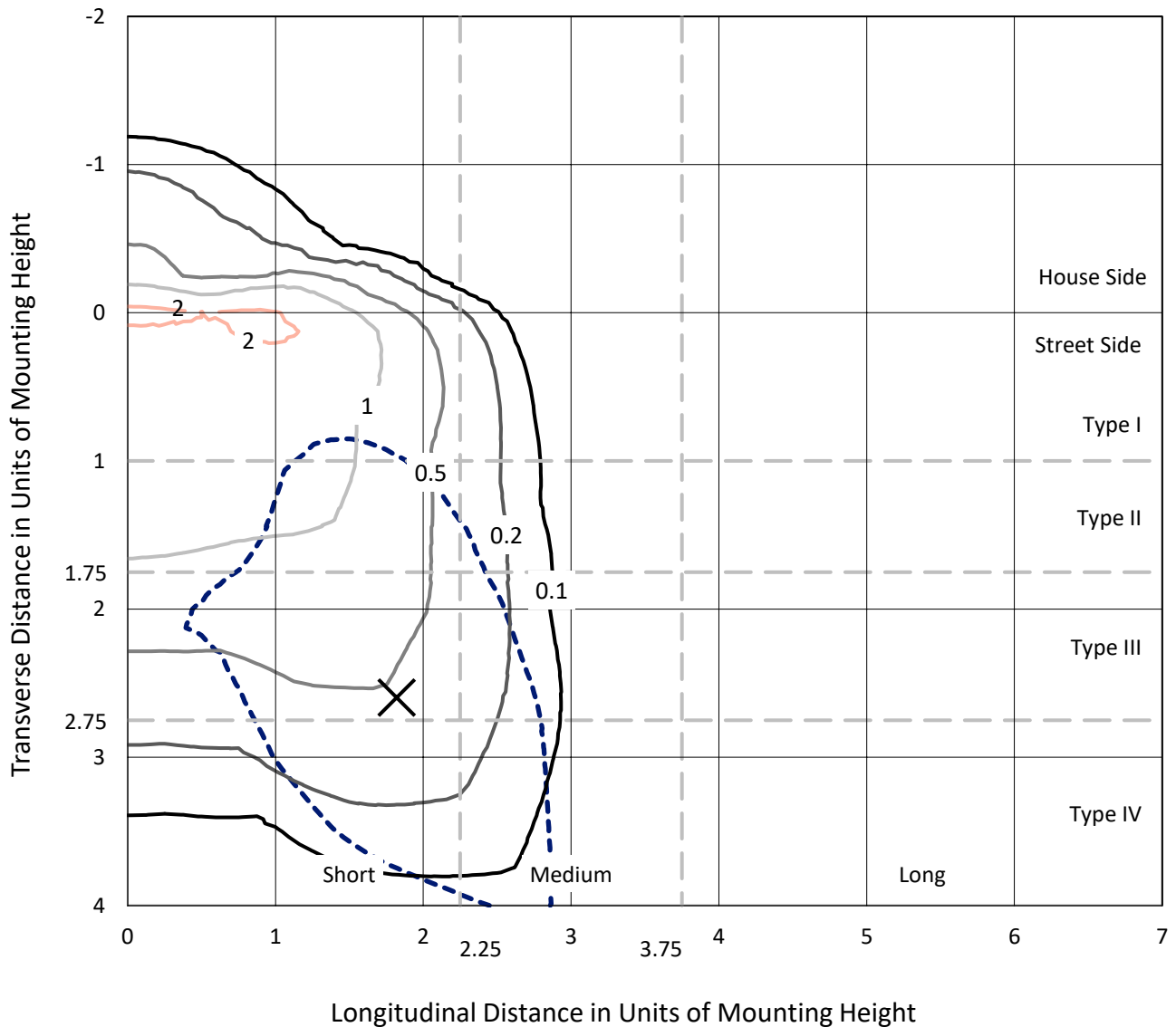
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

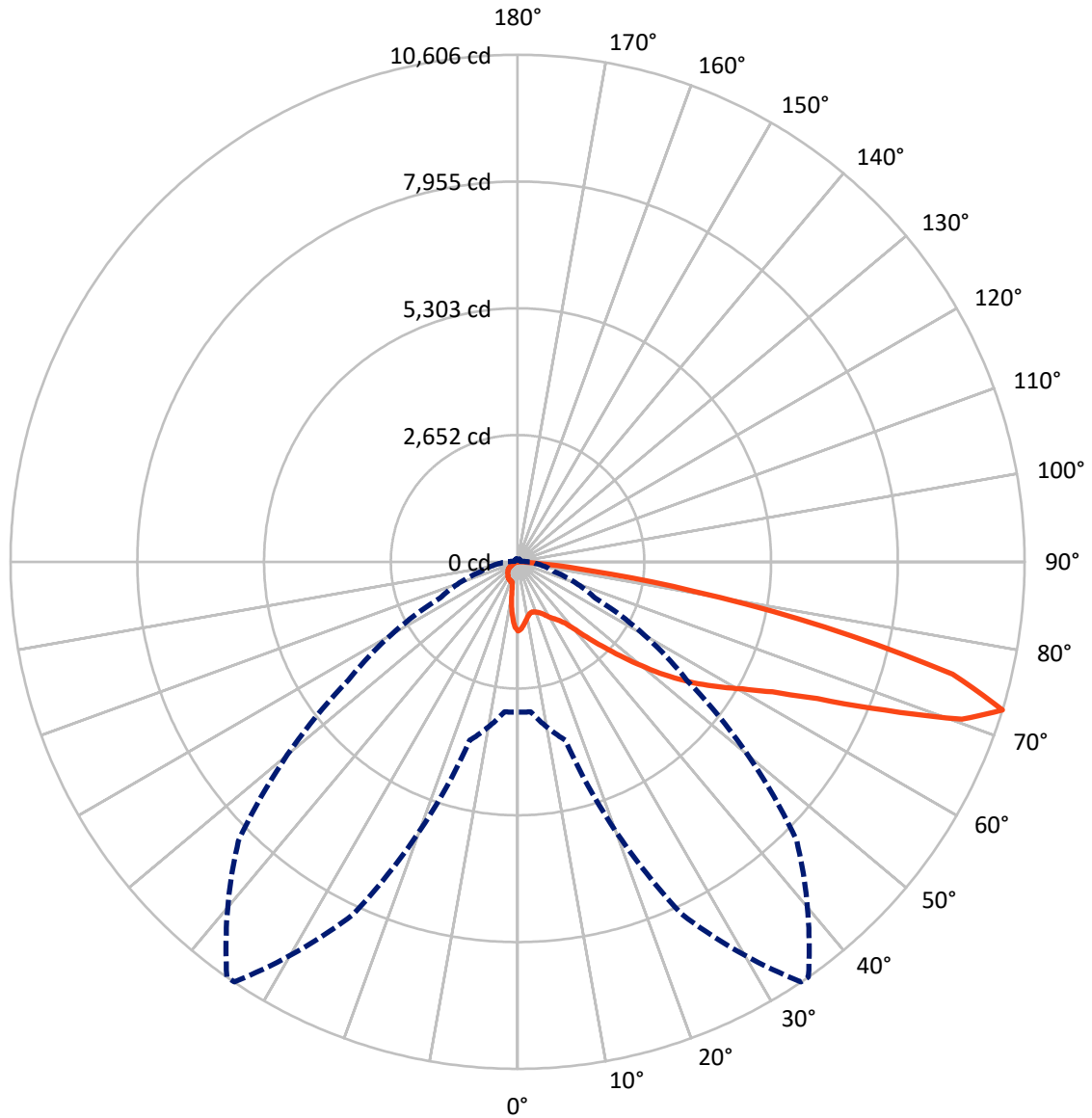
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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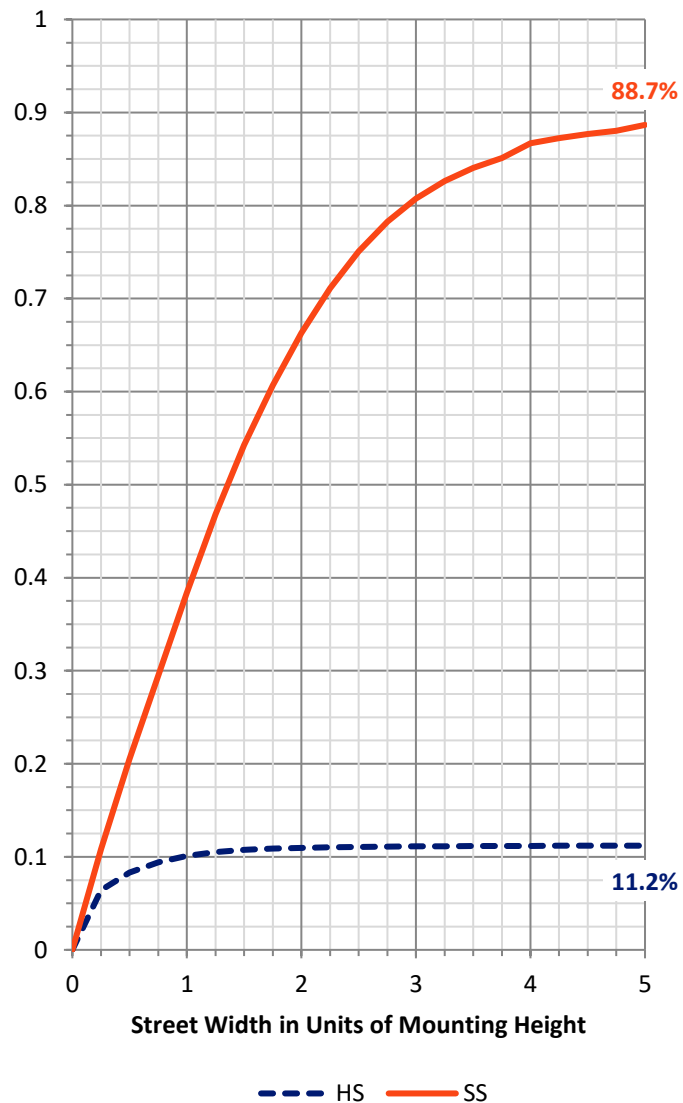
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1125.5	0.0	1125.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	8874.5	0.0	8874.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	10000.0	0.0	10000.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.1	1.2
10°-20°	278.6	2.8
20°-30°	452.6	4.5
30°-40°	755.2	7.6
40°-50°	1428.8	14.3
50°-60°	2270.3	22.7
60°-70°	2808.5	28.1
70°-80°	1745.8	17.5
80°-90°	141.1	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°	10000.0	100.0
0°-180°	10000.0	100.0

**Coefficient of Utilization**

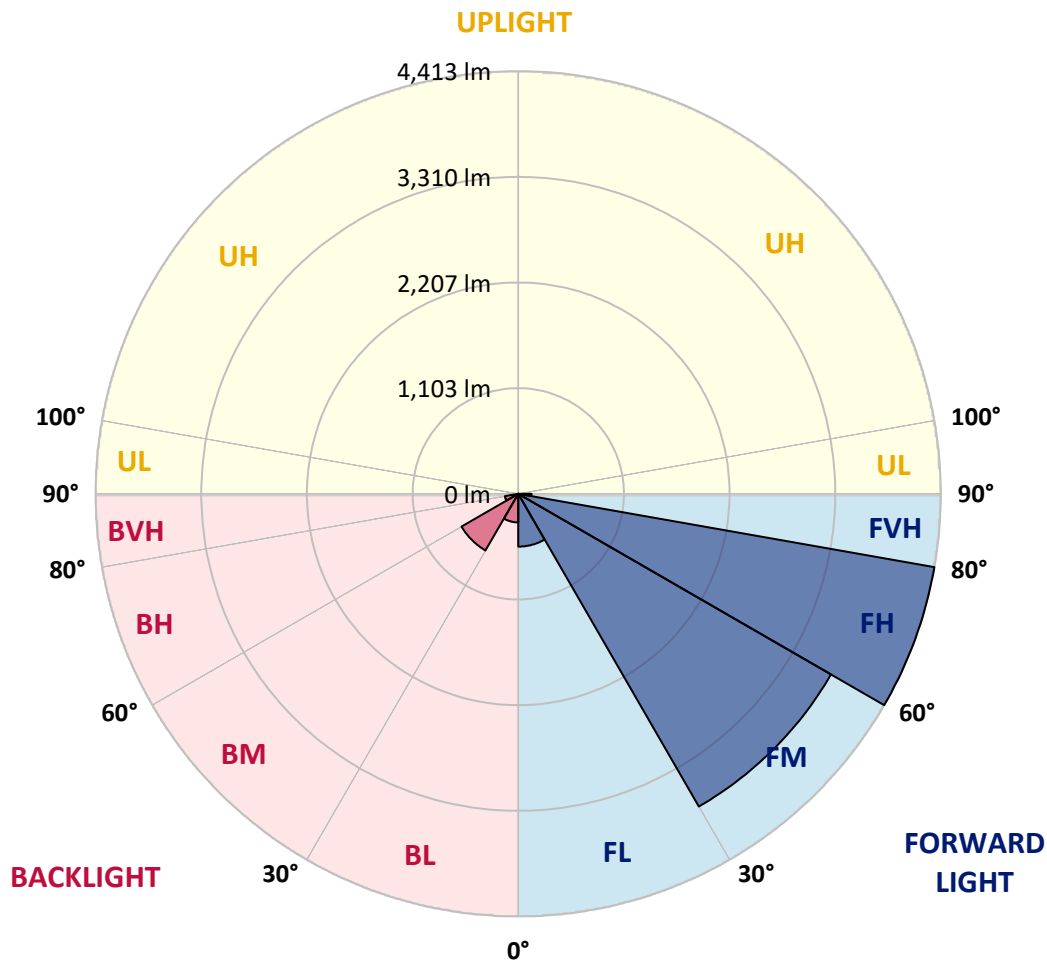


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	551.3	5.5			
FM (30°-60°)	3771.0	37.7			
FH (60°-80°)	4413.1	44.1			G2/5000
FVH (80°-90°)	139.2	1.4			G2/225
BL (0°-30°)	299.1	3.0	B1/500		
BM (30°-60°)	683.3	6.8	B1/1000		
BH (60°-80°)	141.2	1.4	B1/500		G1/500
BVH (80°-90°)	1.9	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°	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3
2.5°	1384.9	1396.6	1398.8	1402.4	1402.4	1406.8	1414.2	1424.4	1441.3	1450.1
5°	1276.4	1285.2	1296.2	1305.0	1321.8	1324.0	1352.6	1380.5	1419.3	1448.6
7.5°	1167.2	1177.5	1192.1	1213.4	1235.4	1242.0	1285.2	1332.1	1393.6	1448.6
10°	1090.3	1091.0	1104.2	1125.5	1160.6	1168.7	1221.5	1288.1	1365.1	1439.8
12.5°	1047.1	1052.2	1058.1	1074.2	1107.9	1113.0	1169.4	1247.8	1336.5	1434.7
15°	1047.1	1050.7	1054.4	1062.5	1089.6	1094.0	1143.8	1222.2	1321.8	1436.9
17.5°	1058.1	1063.9	1061.0	1070.5	1099.1	1102.0	1146.0	1214.9	1321.1	1450.8
20°	1084.4	1088.8	1083.0	1088.8	1117.4	1123.3	1168.7	1228.8	1333.6	1475.0
22.5°	1126.2	1128.4	1114.5	1118.9	1148.2	1155.5	1208.3	1268.4	1363.6	1513.8
25°	1179.0	1183.4	1162.1	1167.2	1195.1	1203.9	1264.7	1327.7	1411.2	1567.3
27.5°	1239.8	1242.0	1223.7	1222.9	1258.8	1271.3	1332.8	1401.0	1475.0	1634.7
30°	1309.4	1316.0	1298.4	1295.5	1340.9	1351.1	1412.0	1491.1	1568.8	1735.8
32.5°	1364.3	1369.5	1359.2	1366.5	1412.7	1420.8	1508.0	1618.6	1716.0	1879.4
35°	1443.5	1446.4	1423.0	1436.1	1488.9	1509.4	1639.1	1797.4	1901.4	2059.7
37.5°	1730.0	1730.0	1630.3	1565.1	1615.7	1634.0	1818.6	2022.3	2130.0	2301.5
40°	2126.4	2119.8	1974.0	1840.6	1834.0	1869.9	2074.4	2305.9	2425.3	2591.7
42.5°	2549.2	2538.9	2340.3	2208.4	2186.5	2198.9	2369.6	2655.4	2777.0	2945.6
45°	2924.3	2921.4	2739.7	2562.3	2522.8	2562.3	2738.2	3064.3	3151.5	3328.8
47.5°	3238.7	3238.7	3106.0	2990.3	2969.7	2993.2	3237.2	3517.8	3509.8	3736.9
50°	3600.6	3597.7	3471.7	3421.8	3443.1	3476.1	3811.6	3995.6	3880.5	4137.7
52.5°	3854.1	3871.7	3828.5	3820.4	3928.9	3986.0	4394.9	4463.0	4212.5	4518.0
55°	4054.9	4075.4	4125.3	4181.7	4390.5	4465.2	4959.8	4906.3	4490.2	4847.7
57.5°	4339.2	4309.9	4386.8	4498.2	4836.0	4926.1	5507.2	5324.7	4713.6	5115.2
60°	4684.3	4688.7	4701.9	4842.6	5280.8	5396.5	6046.5	5720.4	4857.3	5279.3
62.5°	5099.1	5105.6	5132.8	5348.9	5877.9	5987.1	6620.9	6044.3	4923.2	5233.1
65°	5070.5	5098.3	5400.9	6140.3	6785.8	6893.5	7291.4	6271.4	4823.5	4811.1
67.5°	4619.1	4664.5	5170.9	7085.5	8154.5	8274.7	8101.8	6316.1	4393.4	3741.3
70°	4027.1	4043.2	4652.1	7935.4	9739.4	9861.0	8827.2	5824.5	3333.9	2086.8
72.5°	3144.9	3148.5	3862.9	8132.5	10599.6	10606.2	8257.8	4323.8	1793.0	801.6
75°	2246.5	2224.6	2587.3	6595.3	9325.4	9400.2	6190.8	2028.2	685.1	378.8
77.5°	1204.6	1228.8	1464.0	3911.3	6442.1	6569.6	3377.9	584.7	348.8	257.9
80°	372.2	392.7	600.1	1790.8	3649.0	3725.9	1252.2	260.1	243.3	183.9
82.5°	117.2	121.6	279.9	752.5	1514.5	1549.7	362.7	147.3	166.3	121.6
85°	33.7	34.4	124.6	280.6	374.4	381.8	101.8	57.2	95.3	75.5
87.5°	3.7	11.7	46.9	46.9	33.0	32.2	11.0	12.5	27.1	9.5
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°
1449.3	0°	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3	1449.3
1455.9	2.5°	1452.3	1453.0	1443.5	1427.4	1409.8	1395.1	1376.8	1362.1	1351.9	1349.0
1469.1	5°	1462.5	1457.4	1430.3	1381.2	1322.6	1272.0	1215.6	1170.9	1141.6	1129.1
1483.0	7.5°	1477.9	1463.3	1403.9	1307.2	1195.1	1095.4	994.3	915.9	866.1	841.2
1496.2	10°	1491.1	1461.8	1359.9	1200.2	1028.7	877.8	741.5	647.0	594.2	569.3
1511.6	12.5°	1503.6	1461.1	1302.8	1073.4	841.2	656.5	529.8	482.9	468.2	463.1
1536.5	15°	1527.0	1463.3	1231.0	928.4	654.3	496.1	449.9	449.2	452.1	450.6
1574.6	17.5°	1559.2	1465.5	1149.6	774.5	504.8	437.4	435.2	441.8	446.2	444.0
1622.3	20°	1601.0	1474.2	1063.2	622.1	433.8	422.8	427.9	433.8	437.4	433.8
1686.0	22.5°	1659.6	1489.6	968.7	499.7	411.1	414.0	418.4	425.0	428.6	423.5
1767.3	25°	1731.4	1513.8	875.6	434.5	400.1	403.7	410.3	417.7	422.1	416.9
1869.9	27.5°	1824.5	1552.6	789.9	419.9	389.1	391.3	400.8	411.8	417.7	411.1
2015.7	30°	1959.3	1616.4	715.9	426.4	382.5	377.4	390.5	405.9	412.5	406.7
2214.3	32.5°	2138.1	1706.5	670.4	436.7	379.6	361.2	373.7	393.5	404.5	400.8
2473.7	35°	2372.6	1843.5	652.9	448.4	377.4	344.4	353.2	374.4	393.5	397.1
2800.5	37.5°	2656.9	2034.1	658.0	453.6	370.8	330.5	334.9	353.2	378.1	389.8
3168.3	40°	2980.0	2256.1	687.3	448.4	363.4	318.7	319.5	333.4	355.4	373.0
3564.0	42.5°	3313.4	2515.5	741.5	429.4	356.8	308.5	306.3	315.8	330.5	342.9
3958.9	45°	3630.7	2782.2	795.0	403.0	348.8	298.2	293.1	296.8	299.7	304.8
4343.6	47.5°	3907.6	2969.7	779.6	378.8	337.8	286.5	277.7	276.2	267.4	266.7
4687.3	50°	4098.9	3010.8	692.4	354.6	321.7	273.3	259.4	250.6	235.2	227.9
4944.4	52.5°	4159.7	2848.8	565.7	330.5	295.3	255.7	235.9	222.0	203.0	196.4
5092.5	55°	4079.1	2531.6	452.1	301.2	258.7	232.3	210.3	192.0	176.6	168.5
5108.6	57.5°	3882.0	2127.8	357.6	266.7	219.8	205.9	183.9	165.6	152.4	144.3
4929.8	60°	3555.2	1689.7	282.8	225.7	187.6	177.3	154.6	142.9	131.2	121.6
4468.2	62.5°	3059.1	1206.1	222.0	178.8	156.8	145.1	131.9	123.1	109.2	96.0
3638.0	65°	2387.2	737.9	171.5	131.2	126.0	120.2	112.1	104.0	87.2	74.0
2373.3	67.5°	1505.8	349.5	122.4	98.9	99.7	96.7	93.1	86.5	74.0	62.3
1063.2	70°	663.1	169.3	80.6	75.5	74.0	74.0	76.9	74.7	63.0	52.0
369.3	72.5°	225.7	90.9	60.1	57.2	53.5	52.8	64.5	62.3	50.6	40.3
183.9	75°	118.0	60.8	44.0	41.0	32.2	38.8	51.3	48.4	35.9	26.4
121.6	77.5°	76.9	43.2	30.0	26.4	18.3	25.6	38.1	33.7	21.2	13.2
79.9	80°	48.4	28.6	17.6	12.5	8.8	13.9	20.5	14.7	8.1	2.9
46.9	82.5°	25.6	14.7	6.6	4.4	3.7	4.4	5.1	3.7	1.5	0.0
24.2	85°	10.3	5.1	2.2	1.5	0.7	0.0	1.5	0.7	0.0	0.0
4.4	87.5°	3.7	0.7	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°
1449.3
1354.1
1133.5
844.8
570.1
461.6
449.9
443.3
433.0
422.8
416.2
411.1
405.9
400.8
397.1
392.7
378.8
348.0
307.7
266.0
228.6
195.6
168.5
142.9
119.4
93.8
71.8
60.8
49.8
38.1
24.2
11.7
2.2
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