

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: P847017

Luminaire Tested: **GLAN-SB2D-930-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847017  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2D-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10768 lumens  
Efficiency: N/A  
Efficacy: 73.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

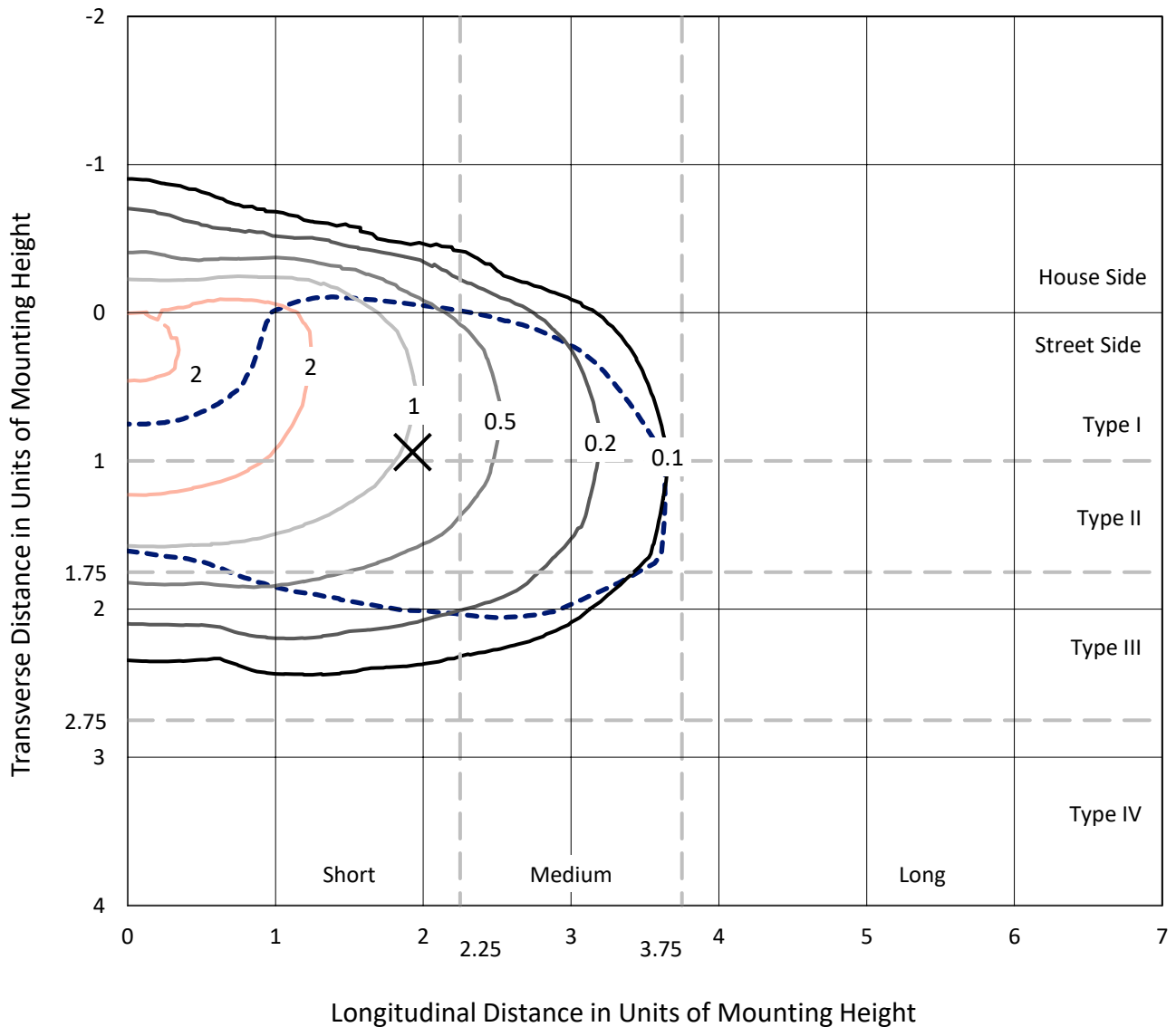
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

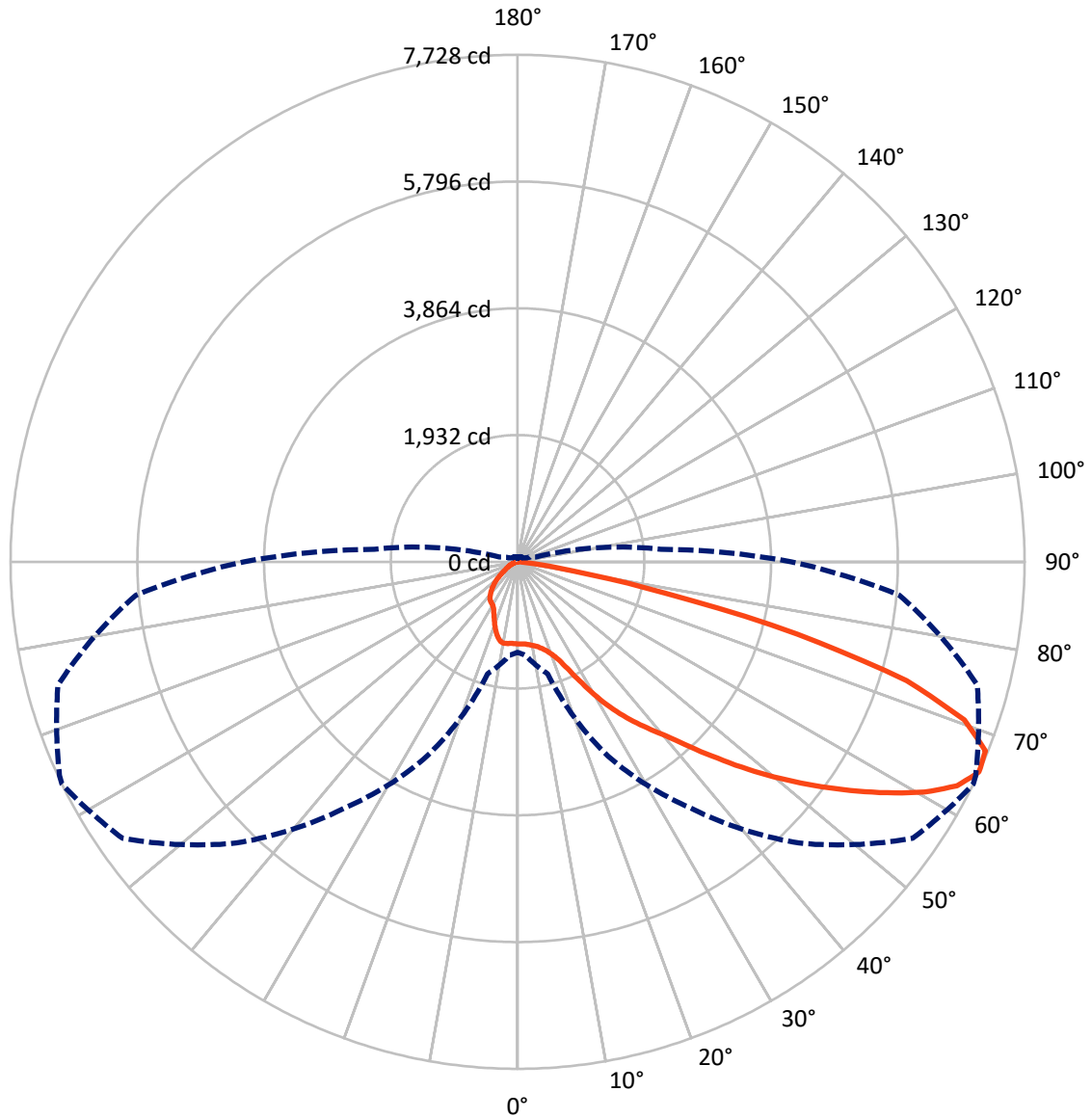
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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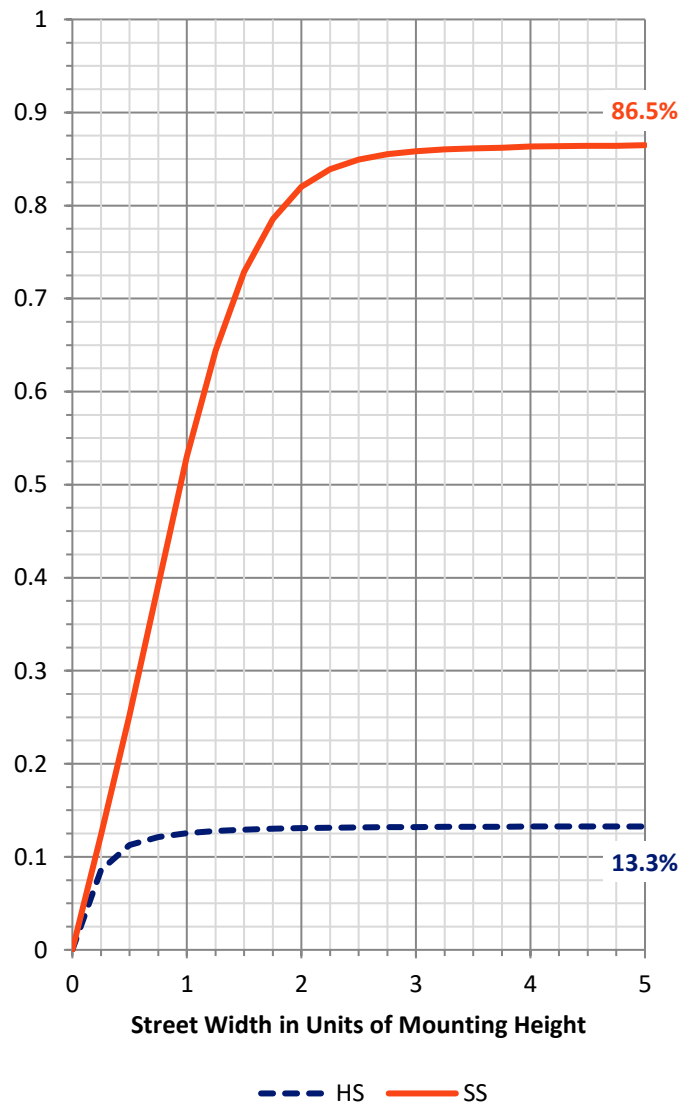
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1440.0	0.0	1440.0
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	9328.0	0.0	9328.0
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	10768.0	0.0	10768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.5	1.1
10°-20°	313.4	2.9
20°-30°	593.9	5.5
30°-40°	1201.7	11.2
40°-50°	2047.1	19.0
50°-60°	2783.9	25.9
60°-70°	2614.3	24.3
70°-80°	1047.4	9.7
80°-90°	50.7	0.5
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°	10768.0	100.0
0°-180°	10768.0	100.0

**Coefficient of Utilization**



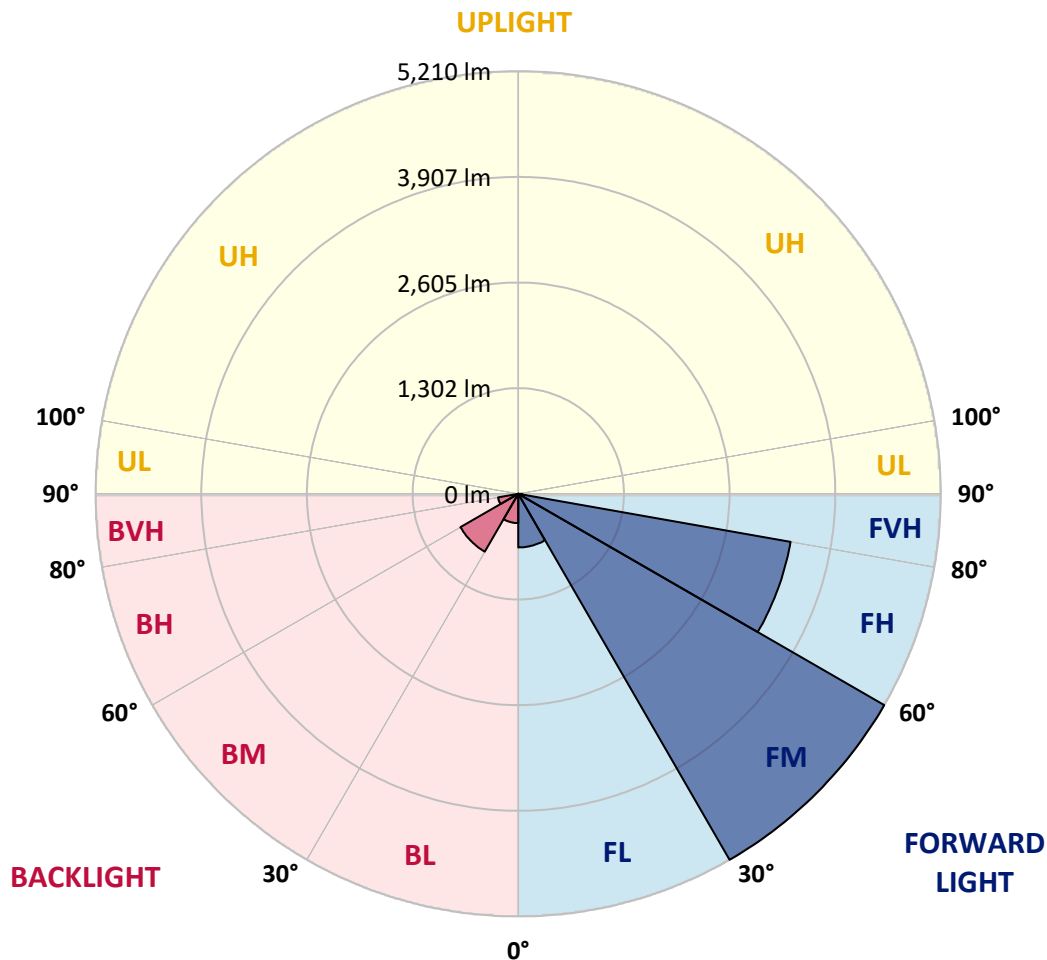
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	661.3	6.1			
FM (30°-60°)	5209.5	48.4			
FH (60°-80°)	3408.9	31.7			G2/5000
FVH (80°-90°)	48.3	0.4			G1/100
BL (0°-30°)	361.5	3.4	B1/500		
BM (30°-60°)	823.2	7.6	B1/1000		
BH (60°-80°)	252.7	2.3	B1/500		G1/500
BVH (80°-90°)	2.5	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
2.5°	1248.1	1256.8	1254.6	1252.4	1251.7	1253.2	1253.9	1253.2	1253.2	1253.2
5°	1224.3	1231.5	1231.5	1236.5	1243.8	1252.4	1258.9	1260.4	1261.8	1264.0
7.5°	1178.8	1184.6	1188.9	1205.5	1223.6	1246.7	1266.1	1276.3	1277.7	1285.6
10°	1147.8	1155.0	1162.2	1179.5	1205.5	1240.2	1273.4	1297.9	1301.5	1320.3
12.5°	1146.3	1153.5	1162.9	1181.7	1212.0	1248.8	1289.2	1324.6	1331.1	1358.5
15°	1161.5	1170.1	1178.8	1201.9	1234.4	1279.1	1322.5	1366.5	1373.0	1412.0
17.5°	1192.5	1204.1	1210.6	1233.7	1268.3	1318.1	1375.1	1425.7	1431.5	1476.9
20°	1253.9	1267.6	1269.8	1288.5	1322.5	1375.9	1443.7	1506.5	1513.7	1565.7
22.5°	1380.9	1400.4	1383.1	1392.5	1422.8	1476.2	1549.8	1629.2	1639.3	1698.5
25°	1604.7	1632.1	1587.4	1571.5	1584.5	1640.1	1732.5	1832.8	1844.4	1892.0
27.5°	2044.3	2008.9	1941.1	1874.7	1835.7	1867.5	1971.4	2095.6	2110.0	2156.2
30°	2527.2	2496.2	2404.5	2257.3	2164.9	2159.8	2255.8	2394.4	2411.0	2455.1
32.5°	3010.9	2981.3	2881.7	2700.5	2540.2	2460.8	2527.2	2681.0	2689.7	2717.8
35°	3486.6	3456.3	3356.7	3171.1	2974.1	2793.6	2780.6	2953.9	2956.7	2986.3
37.5°	3965.2	3939.9	3833.8	3651.9	3457.7	3208.7	3088.1	3212.3	3215.9	3244.8
40°	4306.6	4317.5	4244.5	4103.8	3937.0	3664.9	3433.2	3487.3	3465.7	3514.0
42.5°	4599.7	4621.4	4557.8	4487.1	4390.4	4150.7	3860.5	3851.1	3816.5	3842.5
45°	4853.1	4871.1	4814.1	4797.5	4795.3	4627.1	4327.6	4271.3	4222.9	4217.8
47.5°	4946.2	4980.8	5005.4	5061.0	5169.3	5098.5	4810.5	4723.1	4669.0	4629.3
50°	4981.6	5018.4	5102.1	5263.8	5520.1	5550.4	5291.2	5193.1	5126.7	5054.5
52.5°	4933.9	4999.6	5112.2	5384.4	5756.1	5912.8	5752.5	5666.6	5590.8	5473.2
55°	4653.1	4718.8	4949.1	5382.9	5873.8	6166.9	6188.5	6150.3	6065.1	5879.6
57.5°	4061.2	4158.6	4523.2	5199.6	5871.6	6385.6	6615.9	6643.3	6548.0	6282.4
60°	3241.2	3373.3	3817.9	4793.2	5690.4	6504.0	6990.5	7127.7	7026.6	6679.4
62.5°	2261.6	2414.6	2835.5	4156.5	5276.1	6418.8	7264.1	7517.5	7441.0	7034.5
65°	1379.5	1428.6	1767.8	3270.8	4571.6	6062.2	7348.6	7728.3	7703.0	7251.8
67.5°	918.9	960.1	1057.5	2242.8	3548.7	5349.7	7146.4	7691.4	7698.7	7216.5
70°	553.7	589.0	652.6	1304.4	2299.9	4234.4	6520.6	7222.2	7264.1	6743.6
72.5°	228.1	251.9	309.7	591.2	1191.1	2687.5	5192.4	6200.8	6298.2	5670.2
75°	129.2	141.5	181.9	296.7	516.9	1252.4	3145.2	4401.9	4545.6	3908.2
77.5°	85.9	91.7	117.7	192.0	290.9	427.3	1344.1	2293.4	2567.7	2134.5
80°	57.7	62.8	80.8	128.5	189.1	183.4	428.1	849.6	1045.3	733.4
82.5°	39.0	39.7	57.7	84.5	119.8	88.8	126.3	264.2	332.1	212.2
85°	22.4	21.7	42.6	49.1	53.4	36.8	38.3	79.4	103.9	89.5
87.5°	2.9	4.3	16.6	13.0	7.2	7.9	7.9	13.7	20.2	21.7
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°
1252.4	0°	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4	1252.4
1253.9	2.5°	1253.9	1253.2	1251.0	1248.8	1243.8	1240.9	1242.3	1240.9	1240.2	1240.9
1263.3	5°	1263.3	1261.1	1255.3	1248.1	1238.0	1225.7	1217.8	1206.2	1195.4	1188.9
1288.5	7.5°	1288.5	1286.4	1278.4	1258.2	1225.7	1174.5	1127.5	1086.4	1055.4	1037.3
1328.9	10°	1328.9	1325.3	1313.1	1268.3	1183.1	1071.2	978.1	900.9	850.4	826.5
1376.6	12.5°	1376.6	1372.3	1350.6	1258.9	1102.3	927.6	799.1	713.2	666.3	645.3
1431.5	15°	1432.9	1427.1	1384.5	1214.2	984.6	768.8	651.1	586.9	556.6	537.8
1501.5	17.5°	1502.9	1492.8	1409.8	1147.0	856.8	647.5	560.2	511.8	485.1	467.0
1593.1	20°	1593.9	1577.3	1430.0	1066.9	739.2	571.0	498.8	458.4	438.2	422.3
1723.1	22.5°	1720.9	1697.1	1454.6	980.3	656.2	518.3	453.3	423.7	407.1	389.1
1904.3	25°	1878.3	1850.1	1484.9	900.2	599.1	472.8	420.1	395.6	376.1	355.2
2141.8	27.5°	2098.5	2047.9	1521.0	834.5	550.1	433.8	389.8	362.4	340.0	322.7
2411.0	30°	2343.9	2260.9	1552.7	794.8	505.3	397.7	350.1	322.7	301.7	289.5
2652.8	32.5°	2576.3	2463.7	1573.7	777.4	464.9	356.6	306.8	277.2	261.3	257.7
2889.6	35°	2795.8	2647.1	1571.5	760.8	428.8	315.5	264.2	233.9	221.6	223.8
3144.4	37.5°	3048.4	2842.7	1556.3	734.9	399.2	277.9	227.4	200.7	189.8	190.6
3454.1	40°	3342.2	3068.6	1546.9	685.8	366.7	243.3	197.1	175.4	167.5	164.6
3780.4	42.5°	3655.5	3287.4	1548.4	630.2	326.3	212.2	176.1	158.1	150.9	148.7
4143.5	45°	3970.2	3496.0	1550.6	572.4	283.7	188.4	161.0	145.8	141.5	138.6
4511.6	47.5°	4266.2	3673.6	1510.1	510.4	241.8	170.4	148.7	138.6	135.0	131.4
4881.2	50°	4542.0	3791.9	1412.7	438.2	208.6	155.9	139.3	132.1	128.5	124.9
5216.2	52.5°	4756.3	3810.7	1251.7	363.8	185.5	145.1	133.5	127.0	122.7	119.1
5486.9	55°	4851.6	3693.0	1022.9	294.5	167.5	135.7	127.8	121.3	116.2	112.6
5699.8	57.5°	4827.1	3445.4	797.7	236.8	150.1	126.3	120.6	116.2	110.4	104.7
5872.3	60°	4706.5	3114.1	601.3	197.1	134.3	116.2	112.6	109.0	101.1	92.4
5938.8	62.5°	4497.9	2697.6	428.8	163.1	116.9	104.7	103.2	100.3	88.8	72.9
5840.6	65°	4178.9	2191.6	288.7	135.7	100.3	91.7	92.4	87.3	72.2	54.1
5481.1	67.5°	3712.5	1602.5	184.8	111.2	83.7	76.5	77.2	74.4	61.4	46.2
4799.7	70°	3118.4	1061.1	120.6	84.5	67.1	59.2	63.5	64.2	52.0	37.5
3683.7	72.5°	2286.1	626.6	84.5	62.8	49.1	41.1	52.0	53.4	41.9	28.2
2216.1	75°	1303.0	297.4	63.5	45.5	30.3	28.9	40.4	40.4	28.9	18.8
959.4	77.5°	547.2	124.2	44.8	29.6	17.3	16.6	27.4	25.3	14.4	8.7
233.9	80°	158.1	55.6	23.8	14.4	7.2	6.5	10.8	7.9	3.6	1.4
88.8	82.5°	62.1	24.5	9.4	5.8	2.9	2.9	1.4	0.0	0.0	0.0
50.5	85°	36.8	10.1	4.3	2.2	0.7	0.0	0.0	0.0	0.0	0.0
10.8	87.5°	9.4	2.2	1.4	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°
1252.4
1243.8
1190.4
1038.0
824.4
643.2
538.5
465.6
419.4
386.2
353.0
319.1
287.3
259.9
223.8
193.5
163.9
148.0
138.6
131.4
124.9
118.4
111.9
103.9
91.0
71.5
52.7
44.0
36.1
26.7
17.3
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1.4
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