

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: P852218

Luminaire Tested: **GLAN-SB2B-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852218  
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-SB2B-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA 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: 6667 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

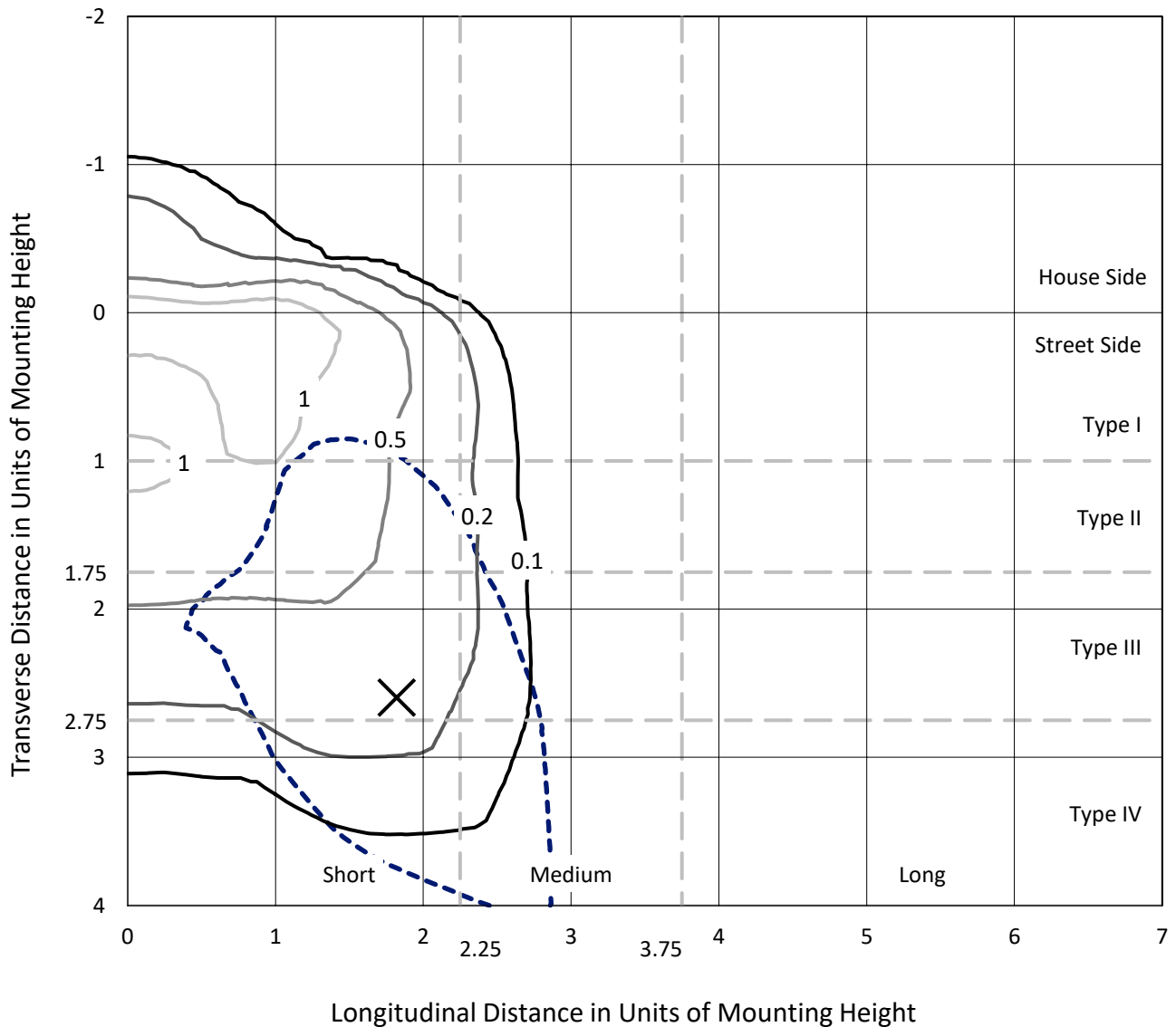
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

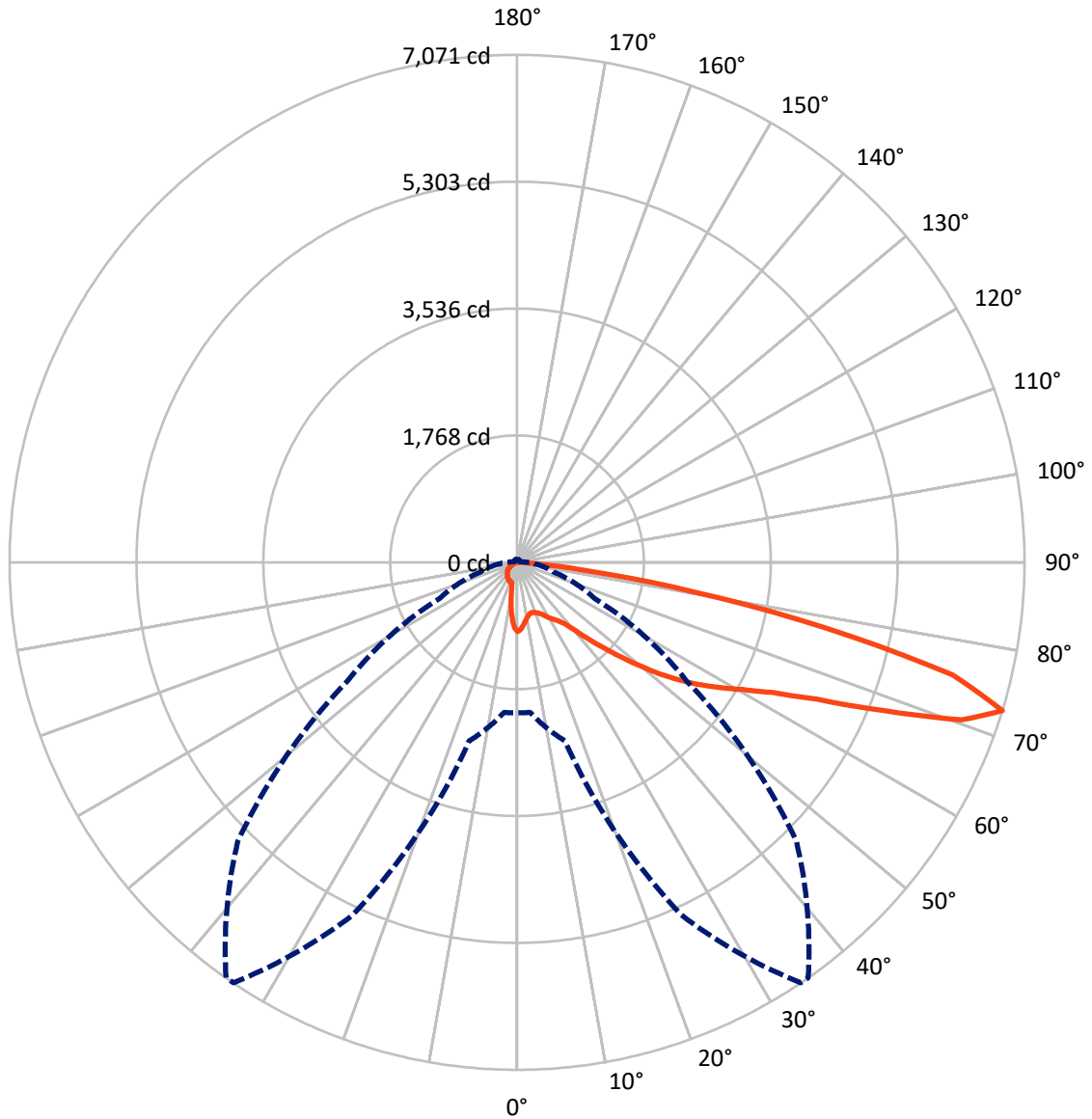
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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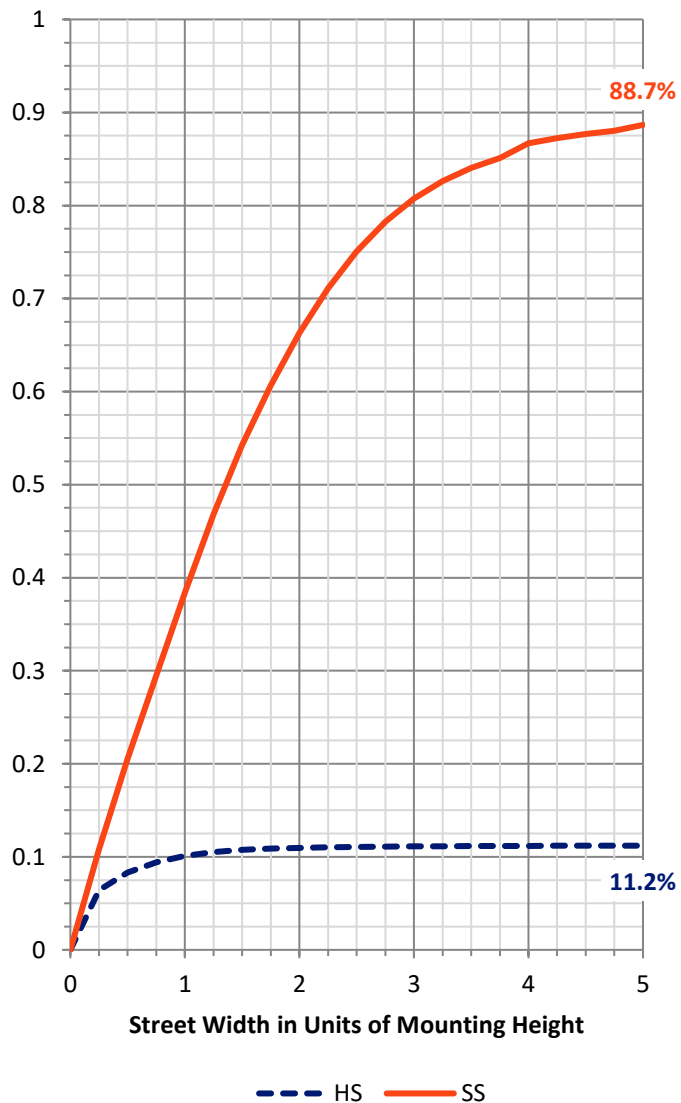
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	750.3	0.0	750.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	5916.7	0.0	5916.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	6667.0	0.0	6667.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.4	1.2
10°-20°	185.8	2.8
20°-30°	301.8	4.5
30°-40°	503.5	7.6
40°-50°	952.6	14.3
50°-60°	1513.6	22.7
60°-70°	1872.4	28.1
70°-80°	1163.9	17.5
80°-90°	94.1	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°	6667.0	100.0
0°-180°	6667.0	100.0

**Coefficient of Utilization**

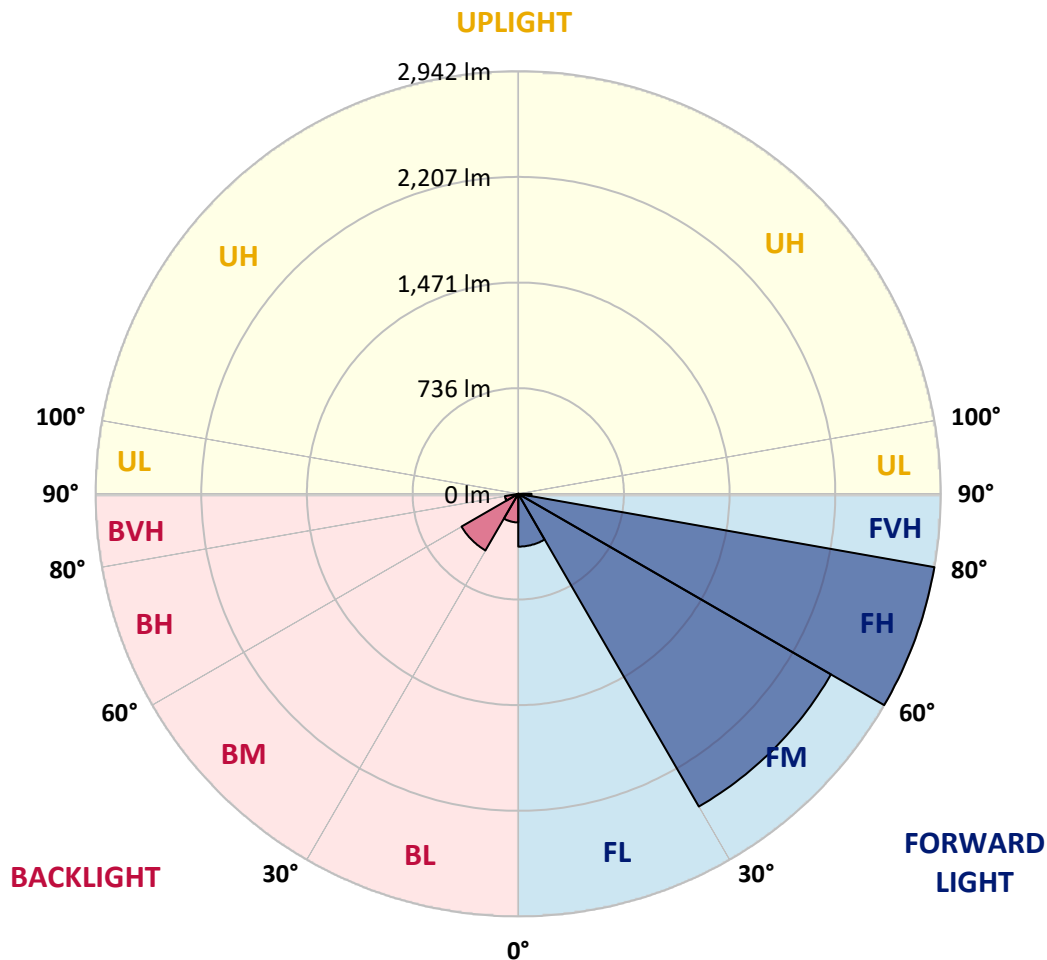


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	367.5	5.5			
FM (30°-60°)	2514.1	37.7			
FH (60°-80°)	2942.2	44.1			G2/5000
FVH (80°-90°)	92.8	1.4			G1/100
BL (0°-30°)	199.4	3.0	B1/500		
BM (30°-60°)	455.5	6.8	B1/1000		
BH (60°-80°)	94.2	1.4	B0/110		G0/110
BVH (80°-90°)	1.3	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°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
2.5°	923.3	931.1	932.6	935.0	935.0	937.9	942.8	949.7	960.9	966.8
5°	851.0	856.8	864.2	870.0	881.3	882.7	901.8	920.4	946.2	965.8
7.5°	778.2	785.0	794.8	809.0	823.6	828.0	856.8	888.1	929.1	965.8
10°	726.9	727.4	736.2	750.4	773.8	779.2	814.3	858.8	910.1	959.9
12.5°	698.1	701.5	705.4	716.2	738.6	742.0	779.7	831.9	891.0	956.5
15°	698.1	700.5	703.0	708.3	726.4	729.3	762.6	814.8	881.3	958.0
17.5°	705.4	709.3	707.4	713.7	732.8	734.7	764.0	809.9	880.8	967.2
20°	723.0	725.9	722.0	725.9	745.0	748.9	779.2	819.2	889.1	983.4
22.5°	750.8	752.3	743.0	746.0	765.5	770.4	805.6	845.6	909.1	1009.3
25°	786.0	788.9	774.8	778.2	796.8	802.6	843.2	885.2	940.9	1044.9
27.5°	826.6	828.0	815.8	815.3	839.3	847.6	888.6	934.0	983.4	1089.9
30°	873.0	877.4	865.6	863.7	894.0	900.8	941.4	994.1	1045.9	1157.3
32.5°	909.6	913.0	906.2	911.1	941.8	947.2	1005.4	1079.1	1144.1	1253.0
35°	962.4	964.3	948.7	957.5	992.7	1006.3	1092.8	1198.3	1267.7	1373.2
37.5°	1153.4	1153.4	1086.9	1043.5	1077.2	1089.4	1212.5	1348.3	1420.1	1534.4
40°	1417.7	1413.3	1316.0	1227.1	1222.7	1246.7	1383.0	1537.3	1617.0	1727.9
42.5°	1699.5	1692.7	1560.3	1472.4	1457.7	1466.0	1579.8	1770.4	1851.5	1963.8
45°	1949.6	1947.7	1826.5	1708.3	1681.9	1708.3	1825.6	2042.9	2101.1	2219.3
47.5°	2159.2	2159.2	2070.8	1993.6	1979.9	1995.6	2158.2	2345.3	2340.0	2491.4
50°	2400.5	2398.6	2314.6	2281.3	2295.5	2317.5	2541.2	2663.8	2587.1	2758.6
52.5°	2569.6	2581.3	2552.5	2547.1	2619.4	2657.5	2930.1	2975.5	2808.4	3012.1
55°	2703.4	2717.1	2750.3	2787.9	2927.1	2977.0	3306.7	3271.1	2993.6	3232.0
57.5°	2893.0	2873.4	2924.7	2999.0	3224.2	3284.2	3671.6	3550.0	3142.6	3410.3
60°	3123.0	3126.0	3134.8	3228.6	3520.7	3597.9	4031.2	3813.8	3238.3	3519.7
62.5°	3399.5	3403.9	3422.0	3566.1	3918.8	3991.6	4414.2	4029.7	3282.3	3488.9
65°	3380.5	3399.0	3600.8	4093.7	4524.1	4595.9	4861.2	4181.2	3215.9	3207.6
67.5°	3079.6	3109.9	3447.4	4723.9	5436.6	5516.7	5401.4	4211.0	2929.1	2494.3
70°	2684.8	2695.6	3101.5	5290.6	6493.3	6574.4	5885.1	3883.2	2222.7	1391.3
72.5°	2096.7	2099.1	2575.4	5422.0	7066.8	7071.2	5505.5	2882.7	1195.4	534.4
75°	1497.8	1483.1	1724.9	4397.1	6217.3	6267.1	4127.4	1352.2	456.8	252.6
77.5°	803.1	819.2	976.0	2607.7	4295.0	4380.0	2252.0	389.8	232.5	172.0
80°	248.2	261.8	400.1	1193.9	2432.8	2484.1	834.9	173.4	162.2	122.6
82.5°	78.2	81.1	186.6	501.7	1009.7	1033.2	241.8	98.2	110.9	81.1
85°	22.5	23.0	83.0	187.1	249.6	254.5	67.9	38.1	63.5	50.3
87.5°	2.4	7.8	31.3	31.3	22.0	21.5	7.3	8.3	18.1	6.4
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°
966.3	0°	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3	966.3
970.7	2.5°	968.2	968.7	962.4	951.6	939.9	930.1	917.9	908.1	901.3
979.5	5°	975.1	971.6	953.6	920.8	881.8	848.1	810.4	780.6	761.1
988.7	7.5°	985.3	975.6	936.0	871.5	796.8	730.3	662.9	610.6	577.4
997.5	10°	994.1	974.6	906.7	800.2	685.9	585.2	494.4	431.4	396.2
1007.8	12.5°	1002.4	974.1	868.6	715.7	560.8	437.7	353.2	321.9	312.2
1024.4	15°	1018.1	975.6	820.7	618.9	436.2	330.7	299.9	299.5	301.4
1049.8	17.5°	1039.5	977.0	766.5	516.4	336.6	291.6	290.2	294.6	297.5
1081.6	20°	1067.4	982.9	708.8	414.7	289.2	281.9	285.3	289.2	291.6
1124.1	22.5°	1106.5	993.1	645.8	333.2	274.1	276.0	278.9	283.3	285.8
1178.3	25°	1154.3	1009.3	583.8	289.7	266.7	269.2	273.6	278.5	281.4
1246.7	27.5°	1216.4	1035.2	526.6	279.9	259.4	260.9	267.2	274.5	278.5
1343.9	30°	1306.3	1077.7	477.3	284.3	255.0	251.6	260.4	270.6	275.0
1476.3	32.5°	1425.5	1137.7	447.0	291.2	253.0	240.8	249.1	262.3	269.7
1649.2	35°	1581.8	1229.1	435.3	299.0	251.6	229.6	235.5	249.6	262.3
1867.1	37.5°	1771.3	1356.1	438.7	302.4	247.2	220.3	223.2	235.5	252.1
2112.3	40°	1986.8	1504.1	458.2	299.0	242.3	212.5	213.0	222.3	236.9
2376.1	42.5°	2209.0	1677.1	494.4	286.3	237.9	205.7	204.2	210.5	220.3
2639.4	45°	2420.6	1854.9	530.0	268.7	232.5	198.8	195.4	197.8	199.8
2895.9	47.5°	2605.2	1979.9	519.8	252.6	225.2	191.0	185.1	184.2	178.3
3125.0	50°	2732.7	2007.3	461.6	236.4	214.5	182.2	172.9	167.1	156.8
3296.5	52.5°	2773.3	1899.3	377.1	220.3	196.9	170.5	157.3	148.0	135.3
3395.1	55°	2719.5	1687.8	301.4	200.8	172.4	154.9	140.2	128.0	117.7
3405.9	57.5°	2588.1	1418.6	238.4	177.8	146.6	137.3	122.6	110.4	101.6
3286.7	60°	2370.2	1126.5	188.6	150.5	125.1	118.2	103.1	95.3	87.4
2978.9	62.5°	2039.5	804.1	148.0	119.2	104.5	96.7	87.9	82.1	72.8
2425.4	65°	1591.6	491.9	114.3	87.4	84.0	80.1	74.7	69.4	58.1
1582.3	67.5°	1003.9	233.0	81.6	65.9	66.4	64.5	62.0	57.6	49.3
708.8	70°	442.1	112.8	53.7	50.3	49.3	49.3	51.3	49.8	42.0
246.2	72.5°	150.5	60.6	40.1	38.1	35.7	35.2	43.0	41.5	33.7
122.6	75°	78.7	40.5	29.3	27.4	21.5	25.9	34.2	32.2	23.9
81.1	77.5°	51.3	28.8	20.0	17.6	12.2	17.1	25.4	22.5	14.2
53.2	80°	32.2	19.1	11.7	8.3	5.9	9.3	13.7	9.8	5.4
31.3	82.5°	17.1	9.8	4.4	2.9	2.4	2.9	3.4	2.4	1.0
16.1	85°	6.8	3.4	1.5	1.0	0.5	0.0	1.0	0.5	0.0
2.9	87.5°	2.4	0.5	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

(END O



180°
966.3
902.8
755.7
563.3
380.1
307.8
299.9
295.5
288.7
281.9
277.5
274.1
270.6
267.2
264.8
261.8
252.6
232.0
205.2
177.3
152.4
130.4
112.4
95.3
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