

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: P852200

Luminaire Tested: **GLAN-SB2A-830-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852200  
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-SB2A-830-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3000K, 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: 5832 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

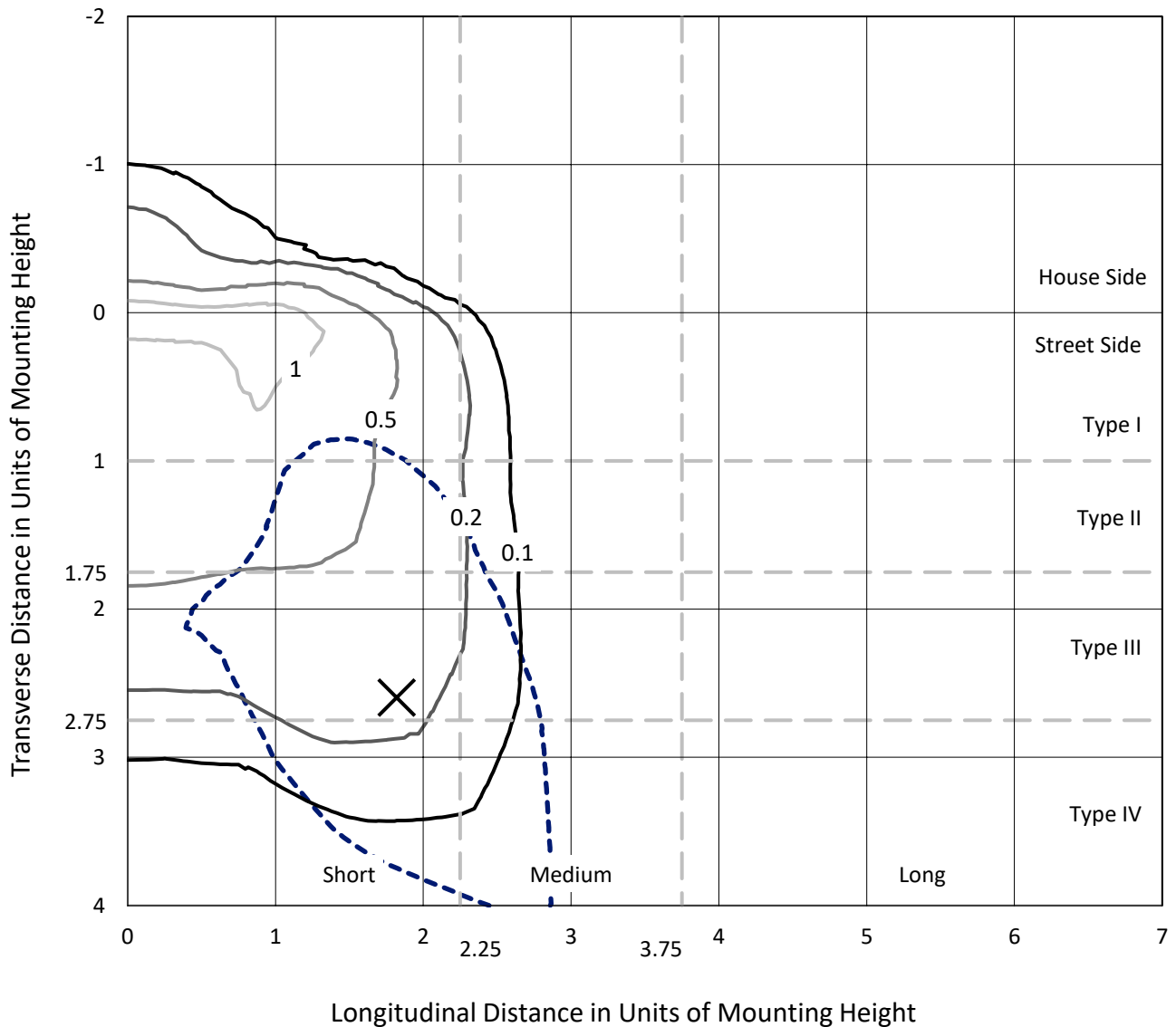
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

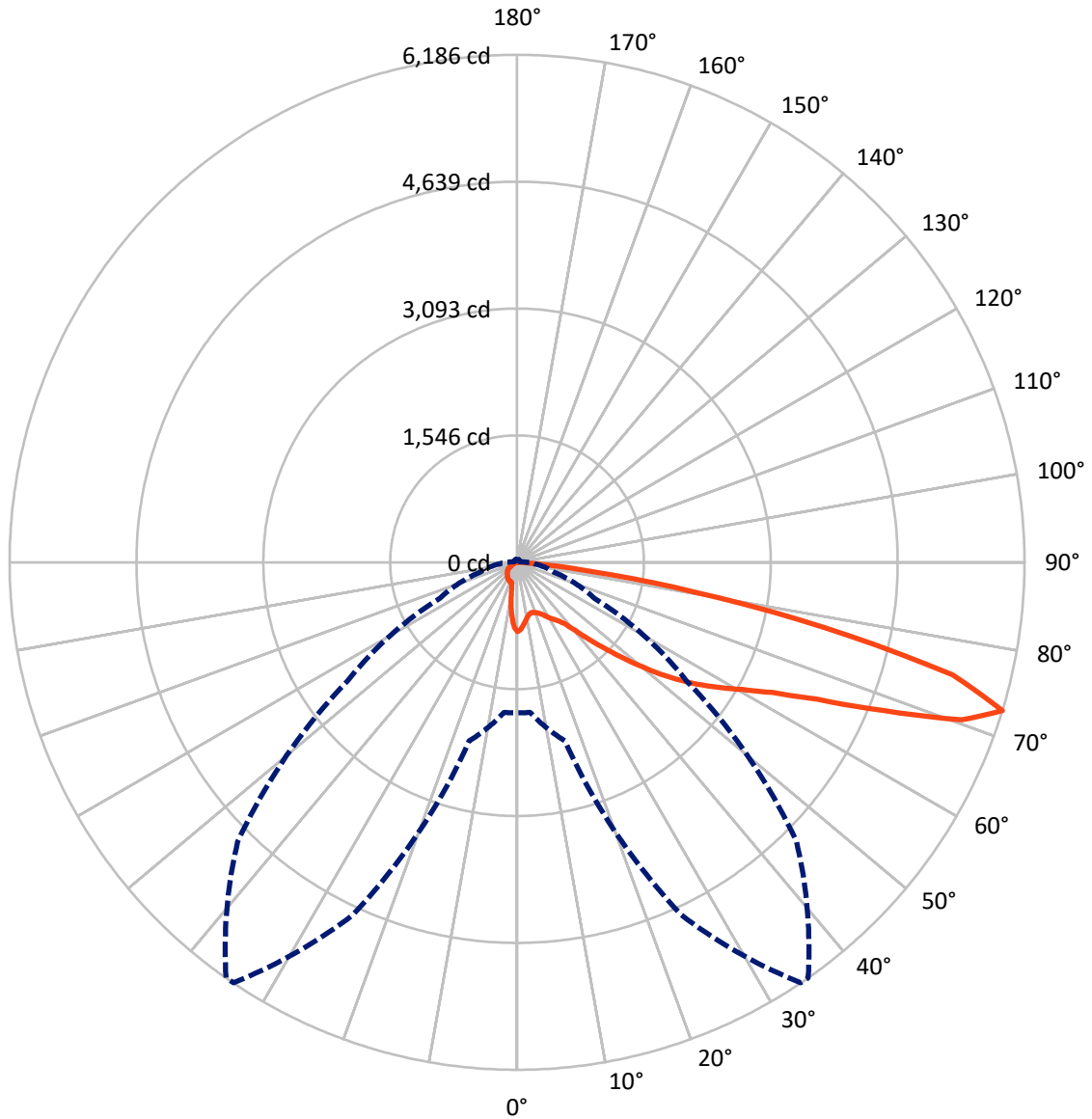
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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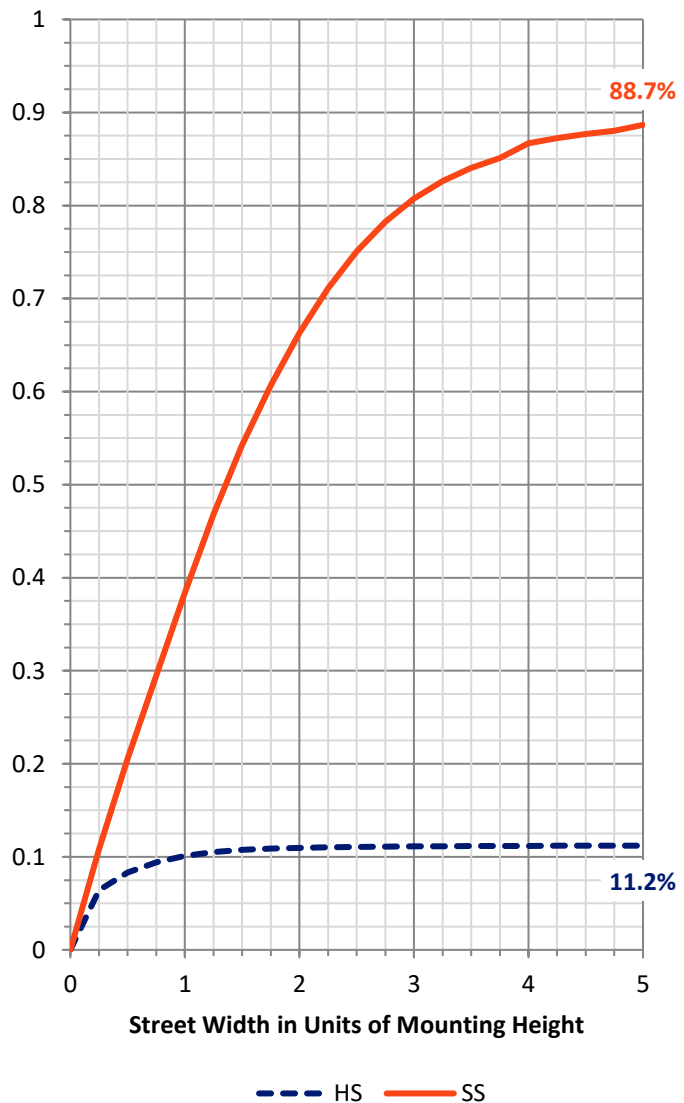
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	656.4	0.0	656.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	5175.6	0.0	5175.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	5832.0	0.0	5832.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.5	1.2
10°-20°	162.5	2.8
20°-30°	264.0	4.5
30°-40°	440.4	7.6
40°-50°	833.3	14.3
50°-60°	1324.0	22.7
60°-70°	1637.9	28.1
70°-80°	1018.2	17.5
80°-90°	82.3	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°	5832.0	100.0
0°-180°	5832.0	100.0

**Coefficient of Utilization**

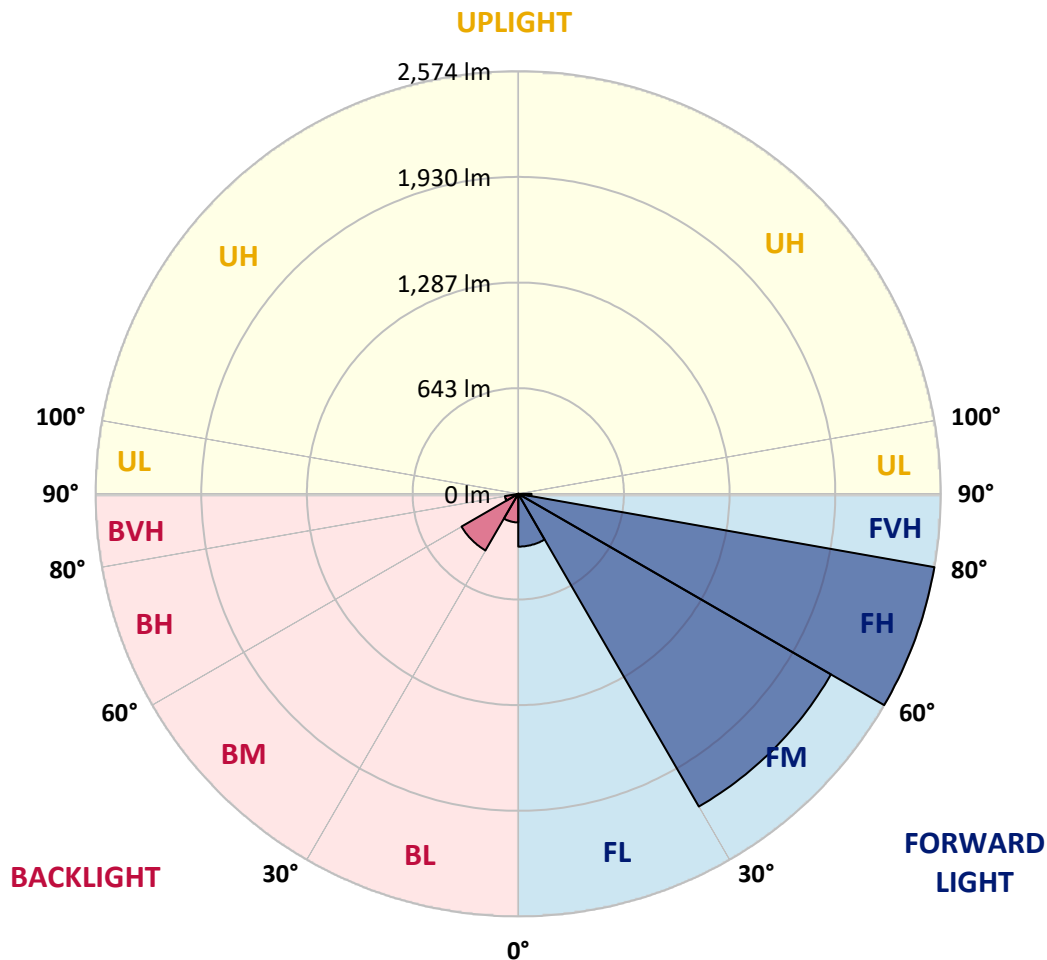


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	321.5	5.5			
FM (30°-60°)	2199.2	37.7			
FH (60°-80°)	2573.7	44.1			G2/5000
FVH (80°-90°)	81.2	1.4			G1/100
BL (0°-30°)	174.4	3.0	B1/500		
BM (30°-60°)	398.5	6.8	B1/1000		
BH (60°-80°)	82.4	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3
2.5°	807.6	814.5	815.8	817.9	817.9	820.5	824.7	830.7	840.6	845.7
5°	744.4	749.5	755.9	761.1	770.9	772.2	788.8	805.1	827.7	844.8
7.5°	680.7	686.7	695.3	707.7	720.5	724.3	749.5	776.9	812.8	844.8
10°	635.9	636.3	644.0	656.4	676.9	681.6	712.4	751.2	796.1	839.7
12.5°	610.6	613.6	617.1	626.5	646.1	649.1	682.0	727.7	779.4	836.7
15°	610.6	612.8	614.9	619.6	635.4	638.0	667.1	712.8	770.9	838.0
17.5°	617.1	620.5	618.8	624.3	641.0	642.7	668.3	708.5	770.5	846.1
20°	632.4	635.0	631.6	635.0	651.7	655.1	681.6	716.6	777.7	860.2
22.5°	656.8	658.1	650.0	652.5	669.6	673.9	704.7	739.7	795.3	882.9
25°	687.6	690.1	677.7	680.7	697.0	702.1	737.6	774.3	823.0	914.1
27.5°	723.0	724.3	713.6	713.2	734.1	741.4	777.3	817.0	860.2	953.4
30°	763.6	767.5	757.2	755.5	782.0	788.0	823.5	869.6	914.9	1012.3
32.5°	795.7	798.7	792.7	797.0	823.9	828.6	879.4	944.0	1000.8	1096.1
35°	841.8	843.5	829.9	837.6	868.3	880.3	955.9	1048.2	1108.9	1201.2
37.5°	1008.9	1008.9	950.8	912.8	942.3	952.9	1060.6	1179.4	1242.2	1342.2
40°	1240.1	1236.3	1151.2	1073.4	1069.6	1090.5	1209.8	1344.8	1414.5	1511.5
42.5°	1486.7	1480.7	1364.9	1288.0	1275.1	1282.4	1382.0	1548.6	1619.6	1717.9
45°	1705.5	1703.8	1597.8	1494.4	1471.3	1494.4	1596.9	1787.1	1837.9	1941.3
47.5°	1888.8	1888.8	1811.4	1743.9	1732.0	1745.6	1887.9	2051.6	2046.9	2179.4
50°	2099.9	2098.2	2024.7	1995.6	2008.0	2027.2	2223.0	2330.2	2263.1	2413.1
52.5°	2247.7	2258.0	2232.8	2228.1	2291.3	2324.7	2563.1	2602.8	2456.7	2634.9
55°	2364.8	2376.8	2405.8	2438.8	2560.5	2604.1	2892.6	2861.4	2618.7	2827.2
57.5°	2530.6	2513.5	2558.4	2623.4	2820.4	2872.9	3211.8	3105.4	2749.0	2983.2
60°	2731.9	2734.5	2742.2	2824.2	3079.7	3147.3	3526.3	3336.1	2832.7	3078.9
62.5°	2973.8	2977.6	2993.4	3119.5	3428.0	3491.7	3861.3	3525.0	2871.2	3052.0
65°	2957.1	2973.3	3149.8	3581.0	3957.5	4020.3	4252.3	3657.5	2813.1	2805.8
67.5°	2693.9	2720.4	3015.6	4132.2	4755.7	4825.8	4725.0	3683.6	2562.3	2181.9
70°	2348.6	2358.0	2713.1	4627.9	5680.0	5751.0	5148.0	3396.8	1944.3	1217.0
72.5°	1834.1	1836.2	2252.9	4742.9	6181.7	6185.6	4816.0	2521.7	1045.7	467.5
75°	1310.2	1297.4	1508.9	3846.4	5438.6	5482.2	3610.5	1182.8	399.6	220.9
77.5°	702.5	716.6	853.8	2281.1	3757.1	3831.4	1970.0	341.0	203.4	150.4
80°	217.1	229.0	350.0	1044.4	2128.1	2173.0	730.3	151.7	141.9	107.3
82.5°	68.4	70.9	163.2	438.9	883.3	903.8	211.5	85.9	97.0	70.9
85°	19.7	20.1	72.6	163.7	218.4	222.6	59.4	33.3	55.6	44.0
87.5°	2.1	6.8	27.3	27.3	19.2	18.8	6.4	7.3	15.8	5.6
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°
845.3	0°	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3	845.3
849.1	2.5°	847.0	847.4	841.8	832.4	822.2	813.6	802.9	794.4	788.4	786.7
856.8	5°	852.9	850.0	834.1	805.5	771.3	741.8	708.9	682.9	665.8	658.5
864.9	7.5°	861.9	853.4	818.8	762.4	697.0	638.9	579.9	534.2	505.1	490.6
872.6	10°	869.6	852.5	793.1	700.0	600.0	511.9	432.5	377.3	346.6	332.0
881.6	12.5°	876.9	852.1	759.8	626.0	490.6	382.9	309.0	281.6	273.1	270.1
896.1	15°	890.5	853.4	717.9	541.4	381.6	289.3	262.4	262.0	263.7	262.8
918.3	17.5°	909.4	854.7	670.5	451.7	294.4	255.1	253.8	257.7	260.2	259.0
946.1	20°	933.7	859.8	620.1	362.8	253.0	246.6	249.6	253.0	255.1	253.0
983.3	22.5°	967.9	868.8	564.9	291.4	239.7	241.4	244.0	247.8	250.0	247.0
1030.7	25°	1009.8	882.9	510.7	253.4	233.3	235.5	239.3	243.6	246.1	243.1
1090.5	27.5°	1064.0	905.5	460.7	244.9	226.9	228.2	233.7	240.2	243.6	239.7
1175.6	30°	1142.7	942.7	417.5	248.7	223.1	220.1	227.8	236.7	240.6	237.2
1291.4	32.5°	1246.9	995.2	391.0	254.7	221.4	210.7	217.9	229.5	235.9	233.7
1442.7	35°	1383.7	1075.2	380.7	261.5	220.1	200.8	206.0	218.4	229.5	231.6
1633.2	37.5°	1549.5	1186.3	383.7	264.5	216.2	192.7	195.3	206.0	220.5	227.3
1847.8	40°	1737.9	1315.7	400.8	261.5	212.0	185.9	186.3	194.4	207.3	217.5
2078.5	42.5°	1932.4	1467.0	432.5	250.4	208.1	179.9	178.6	184.2	192.7	200.0
2308.8	45°	2117.4	1622.6	463.6	235.0	203.4	173.9	170.9	173.1	174.8	177.8
2533.2	47.5°	2278.9	1732.0	454.7	220.9	197.0	167.1	162.0	161.1	156.0	155.5
2733.6	50°	2390.5	1755.9	403.8	206.8	187.6	159.4	151.3	146.1	137.2	132.9
2883.6	52.5°	2425.9	1661.4	329.9	192.7	172.2	149.1	137.6	129.5	118.4	114.5
2969.9	55°	2378.9	1476.4	263.7	175.6	150.8	135.5	122.6	112.0	103.0	98.3
2979.3	57.5°	2264.0	1241.0	208.5	155.5	128.2	120.1	107.3	96.6	88.9	84.2
2875.1	60°	2073.4	985.4	164.9	131.6	109.4	103.4	90.2	83.3	76.5	70.9
2605.8	62.5°	1784.1	703.4	129.5	104.3	91.4	84.6	76.9	71.8	63.7	56.0
2121.7	65°	1392.2	430.3	100.0	76.5	73.5	70.1	65.4	60.7	50.9	43.2
1384.1	67.5°	878.2	203.8	71.4	57.7	58.1	56.4	54.3	50.4	43.2	36.3
620.1	70°	386.7	98.7	47.0	44.0	43.2	43.2	44.9	43.6	36.8	30.3
215.4	72.5°	131.6	53.0	35.0	33.3	31.2	30.8	37.6	36.3	29.5	23.5
107.3	75°	68.8	35.5	25.6	23.9	18.8	22.6	29.9	28.2	20.9	15.4
70.9	77.5°	44.9	25.2	17.5	15.4	10.7	15.0	22.2	19.7	12.4	7.7
46.6	80°	28.2	16.7	10.3	7.3	5.1	8.1	12.0	8.5	4.7	1.7
27.3	82.5°	15.0	8.5	3.8	2.6	2.1	2.6	3.0	2.1	0.9	0.0
14.1	85°	6.0	3.0	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0
2.6	87.5°	2.1	0.4	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°
845.3
789.7
661.1
492.7
332.5
269.2
262.4
258.5
252.6
246.6
242.7
239.7
236.7
233.7
231.6
229.0
220.9
203.0
179.5
155.1
133.3
114.1
98.3
83.3
69.7
54.7
41.9
35.5
29.1
22.2
14.1
6.8
1.3
0.0
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