

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: P950555

Luminaire Tested: **GLAN-SB5A-722-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-722-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

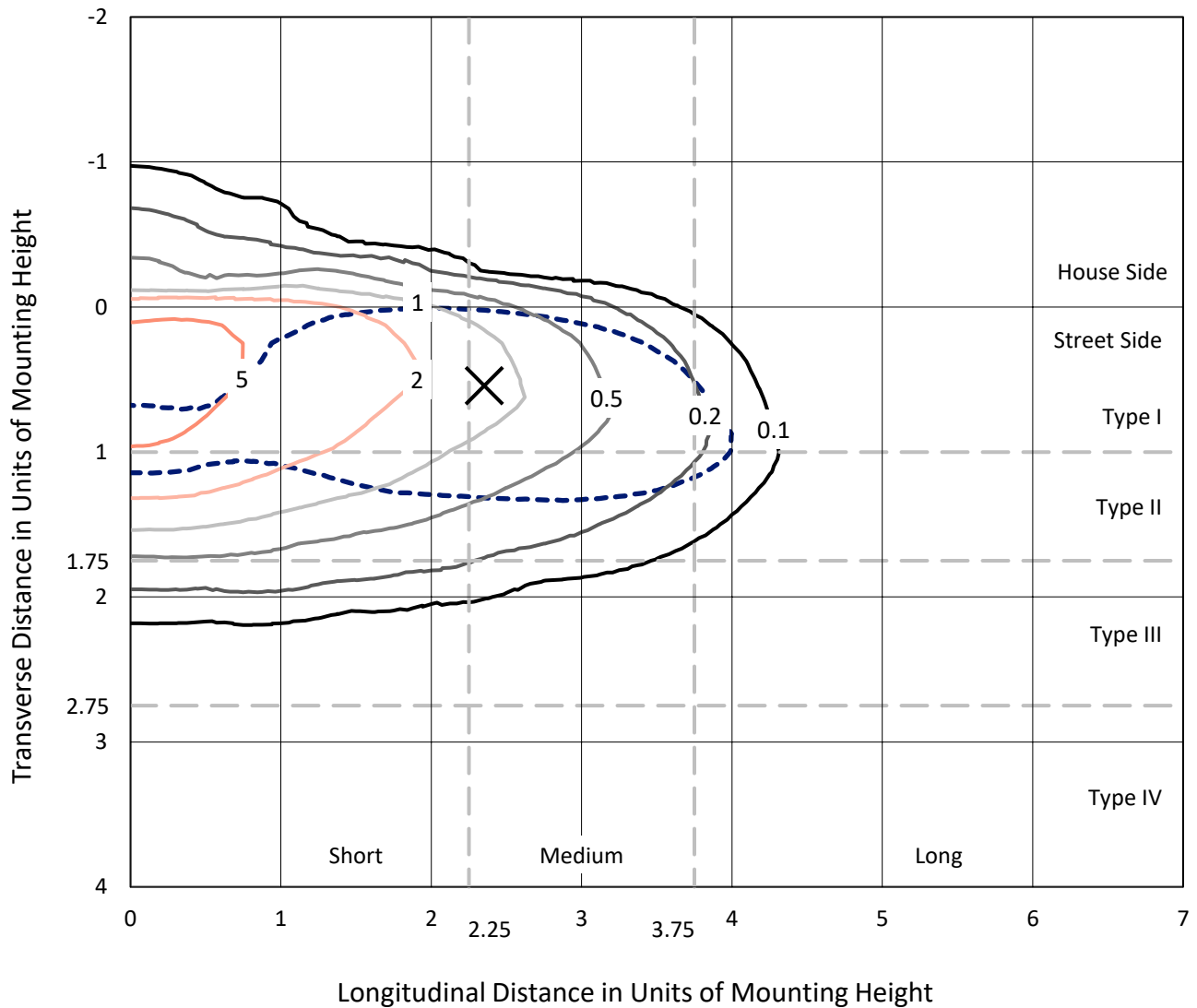
Lumens per Lamp: N/A  
Luminaire Lumens: 15849 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

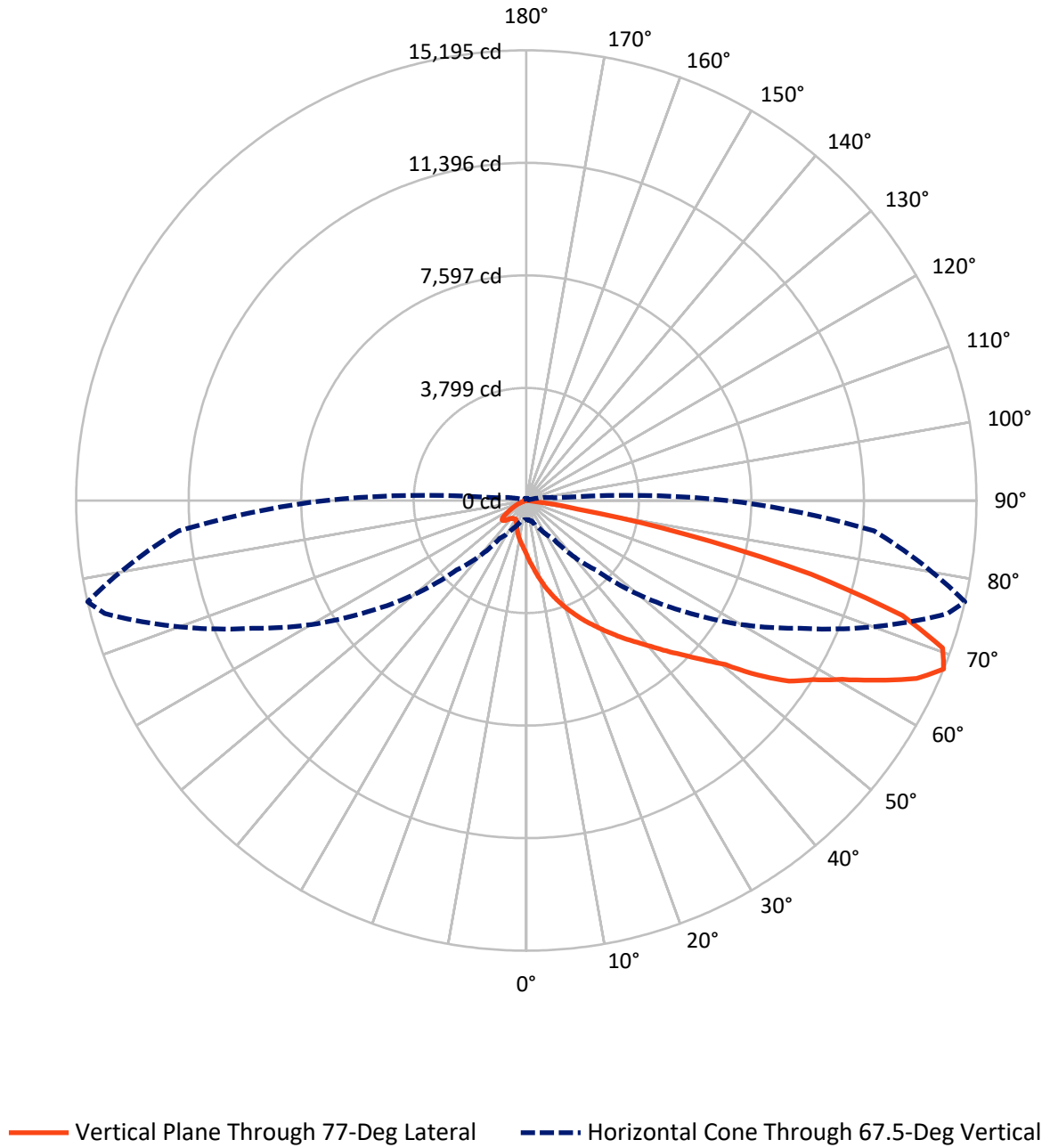
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1166.0	0.0	1166.0
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	14683.0	0.0	14683.0
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	15849.0	0.0	15849.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.5	1.2
10°-20°	653.2	4.1
20°-30°	1260.6	8.0
30°-40°	2188.4	13.8
40°-50°	3177.5	20.0
50°-60°	3648.9	23.0
60°-70°	3167.9	20.0
70°-80°	1492.1	9.4
80°-90°	73.8	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°	15849.0	100.0
0°-180°	15849.0	100.0

**Coefficient of Utilization**



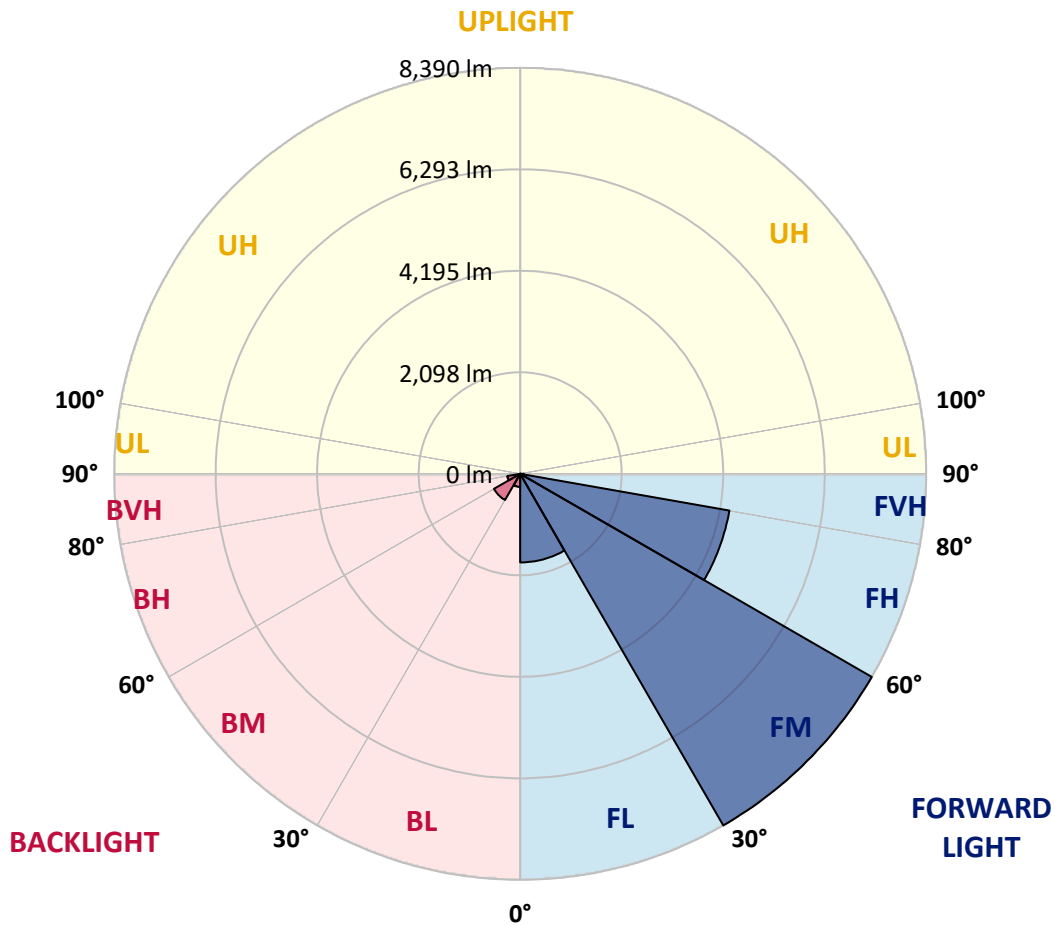
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1830.4	11.5			
FM (30°-60°)	8390.0	52.9			
FH (60°-80°)	4390.1	27.7			G2/5000
FVH (80°-90°)	72.4	0.5			G1/100
BL (0°-30°)	269.9	1.7	B1/500		
BM (30°-60°)	624.8	3.9	B1/1000		
BH (60°-80°)	269.9	1.7	B1/500		G1/500
BVH (80°-90°)	1.4	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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6
2.5°	2530.3	2546.1	2523.4	2480.1	2415.2	2372.9	2269.5	2172.1	2063.8	2029.4
5°	3084.4	3098.2	3072.6	3025.4	2938.8	2856.1	2720.3	2516.5	2305.0	2237.0
7.5°	3494.8	3502.7	3492.9	3449.6	3366.9	3273.4	3121.8	2880.7	2566.7	2491.9
10°	3790.1	3815.7	3812.7	3796.0	3740.9	3665.1	3503.7	3229.1	2860.0	2763.6
12.5°	3985.9	4014.5	4031.2	4068.6	4065.6	4017.4	3875.7	3585.4	3152.3	3039.1
15°	4043.0	4073.5	4137.5	4224.1	4300.9	4325.5	4226.1	3934.8	3474.2	3329.5
17.5°	4010.5	4057.8	4134.5	4271.3	4439.6	4550.8	4540.0	4272.3	3766.5	3601.1
20°	4082.4	4127.7	4187.7	4302.8	4498.7	4700.4	4781.1	4595.1	4056.8	3883.6
22.5°	4480.0	4472.1	4478.0	4496.7	4613.8	4813.6	4980.0	4888.4	4344.2	4167.0
25°	5109.9	5074.4	5014.4	4913.0	4883.5	4980.0	5153.2	5148.2	4647.3	4457.4
27.5°	5832.3	5826.3	5685.6	5441.5	5303.7	5266.3	5349.0	5401.2	4947.5	4744.7
30°	6524.1	6539.9	6349.9	6078.3	5825.4	5678.7	5603.9	5641.3	5252.6	5054.7
32.5°	7126.4	7143.2	6936.5	6618.6	6305.6	6128.5	5971.0	5878.5	5585.2	5369.7
35°	7635.3	7652.0	7414.8	7063.5	6729.8	6569.4	6391.3	6138.3	5919.8	5719.1
37.5°	8090.0	8085.0	7767.2	7412.8	7085.1	6958.2	6864.7	6458.2	6264.3	6070.4
40°	8358.6	8379.3	8107.7	7717.0	7399.1	7306.6	7300.6	6854.8	6661.9	6473.9
42.5°	8437.4	8473.8	8277.0	7956.1	7667.7	7567.4	7721.9	7283.9	7124.5	6941.4
45°	8295.7	8331.1	8241.5	8019.1	7850.8	7785.8	8084.1	7728.8	7618.5	7437.4
47.5°	7882.3	7926.6	7948.2	7901.0	7899.0	7965.0	8408.8	8197.2	8205.1	8020.1
50°	7082.2	7157.0	7355.8	7523.1	7781.9	8106.7	8724.8	8705.1	8866.5	8707.0
52.5°	5627.5	5733.8	6418.8	6876.5	7458.1	8080.1	9072.2	9520.0	10026.8	9793.6
55°	4522.3	4522.3	5079.4	5935.6	6826.3	7904.9	9223.7	10049.5	10817.1	10762.0
57.5°	3686.7	3731.0	4086.3	4843.2	5912.0	7487.6	9317.2	10382.1	11453.9	11413.5
60°	2275.4	2370.9	3042.1	3789.1	4871.7	6744.6	9258.2	10718.7	12226.5	12258.9
62.5°	1281.4	1316.8	1616.0	2726.2	3788.1	5745.6	8806.4	10906.7	13214.6	13352.4
65°	884.8	902.5	1017.6	1696.7	2625.8	4574.5	7923.6	10789.6	14204.7	14483.2
67.5°	642.7	651.5	723.4	1036.3	1558.0	3316.7	6539.9	10199.1	14729.2	15194.8
70°	494.1	500.0	552.1	681.1	920.2	2047.1	4749.7	9024.9	14349.3	14905.4
72.5°	401.5	407.5	447.8	503.9	610.2	1210.5	2878.7	7329.2	12672.3	13272.7
75°	338.6	346.4	382.8	419.3	478.3	777.5	1350.3	5104.0	9529.8	9923.5
77.5°	188.0	173.2	311.0	347.4	403.5	492.1	631.8	3003.7	5337.2	5446.5
80°	117.1	121.1	247.0	279.5	310.0	248.0	289.3	1156.4	1850.3	1757.7
82.5°	6.9	15.7	189.9	201.8	212.6	106.3	109.2	392.7	445.8	409.4
85°	0.0	0.0	86.6	69.9	73.8	30.5	31.5	91.5	60.0	65.0
87.5°	0.0	0.0	0.0	2.0	0.0	3.0	5.9	7.9	3.0	3.9
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°
1827.6	0°	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6	1827.6
1921.1	2.5°	1852.2	1783.3	1643.6	1506.8	1395.6	1292.2	1218.4	1148.5	1113.1	1111.1
2045.1	5°	1908.3	1763.7	1484.1	1237.1	1038.3	878.9	775.5	701.7	664.3	651.5
2197.7	7.5°	1987.1	1769.6	1344.4	1000.9	766.7	629.9	570.8	547.2	539.3	530.5
2369.9	10°	2086.5	1783.3	1219.4	806.0	604.3	535.4	511.8	501.9	496.0	490.1
2563.8	12.5°	2197.7	1796.1	1095.4	669.2	531.5	496.0	479.3	467.5	459.6	452.7
2762.6	15°	2305.9	1804.0	966.5	573.8	494.1	465.5	447.8	435.0	424.2	416.3
2957.5	17.5°	2413.2	1814.8	845.4	516.7	463.5	435.0	417.3	401.5	392.7	383.8
3162.2	20°	2532.3	1812.9	731.2	476.3	433.0	404.5	385.8	371.0	362.2	352.3
3378.7	22.5°	2642.5	1803.0	630.9	441.9	401.5	374.0	353.3	338.6	329.7	321.8
3600.1	25°	2769.5	1795.1	547.2	410.4	372.0	344.5	321.8	308.0	298.2	291.3
3822.6	27.5°	2891.5	1783.3	486.2	381.9	343.5	316.9	295.3	279.5	270.6	265.7
4051.9	30°	3011.6	1780.4	463.5	354.3	317.9	291.3	269.7	254.9	248.0	246.0
4303.8	32.5°	3156.3	1788.3	473.4	344.5	294.3	267.7	247.0	236.2	229.3	229.3
4584.3	35°	3310.8	1786.3	488.2	353.3	278.5	244.1	228.3	221.4	214.6	214.6
4895.3	37.5°	3504.7	1789.2	500.0	368.1	272.6	224.4	215.5	206.7	202.7	202.7
5235.8	40°	3794.0	1886.7	494.1	380.9	270.6	210.6	192.9	189.9	187.0	187.0
5620.7	42.5°	4148.3	2098.3	501.9	381.9	269.7	200.8	177.2	183.1	176.2	175.2
6054.7	45°	4536.1	2329.6	552.1	361.2	268.7	195.9	169.3	176.2	165.3	165.3
6557.6	47.5°	4920.9	2558.9	603.3	331.7	265.7	194.9	162.4	158.5	155.5	156.5
7213.1	50°	5451.4	2745.9	623.0	291.3	258.8	192.9	149.6	150.6	148.6	150.6
8137.2	52.5°	6029.1	2785.2	599.4	246.0	239.2	187.0	140.7	144.7	143.7	145.7
8787.7	55°	6389.3	2742.9	495.0	204.7	208.6	163.4	131.9	139.8	139.8	139.8
9423.5	57.5°	6761.3	2562.8	351.4	166.3	173.2	133.8	124.0	134.8	133.8	132.9
10189.2	60°	7029.0	2271.5	231.3	136.8	137.8	110.2	115.1	127.0	126.0	121.1
10978.5	62.5°	7228.8	1949.7	148.6	116.1	105.3	99.4	105.3	115.1	111.2	100.4
11647.8	65°	7206.2	1503.8	114.2	99.4	86.6	86.6	91.5	100.4	88.6	70.9
11775.7	67.5°	6785.9	1017.6	94.5	83.7	72.8	71.8	75.8	83.7	75.8	60.0
11120.3	70°	6035.0	665.3	75.8	65.0	58.1	53.1	61.0	71.8	64.0	48.2
9466.8	72.5°	4898.3	405.5	57.1	47.2	42.3	34.4	48.2	59.1	51.2	35.4
6583.2	75°	3169.1	206.7	39.4	30.5	22.6	20.7	35.4	44.3	35.4	21.7
2921.0	77.5°	1212.5	86.6	21.7	13.8	11.8	9.8	19.7	26.6	14.8	4.9
565.9	80°	233.3	36.4	10.8	6.9	5.9	3.9	3.0	2.0	0.0	0.0
100.4	82.5°	40.4	11.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19.7	85°	13.8	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.9	87.5°	4.9	0.0	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>
1827.6
1109.2
649.6
528.5
488.2
450.8
415.3
382.8
351.4
320.8
290.3
265.7
245.1
229.3
214.6
202.7
187.0
174.2
165.3
156.5
150.6
145.7
139.8
132.9
121.1
98.4
68.9
58.1
46.3
33.5
18.7
3.9
0.0
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