

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: P847765

Luminaire Tested: **GLAN-SB4A-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12883 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

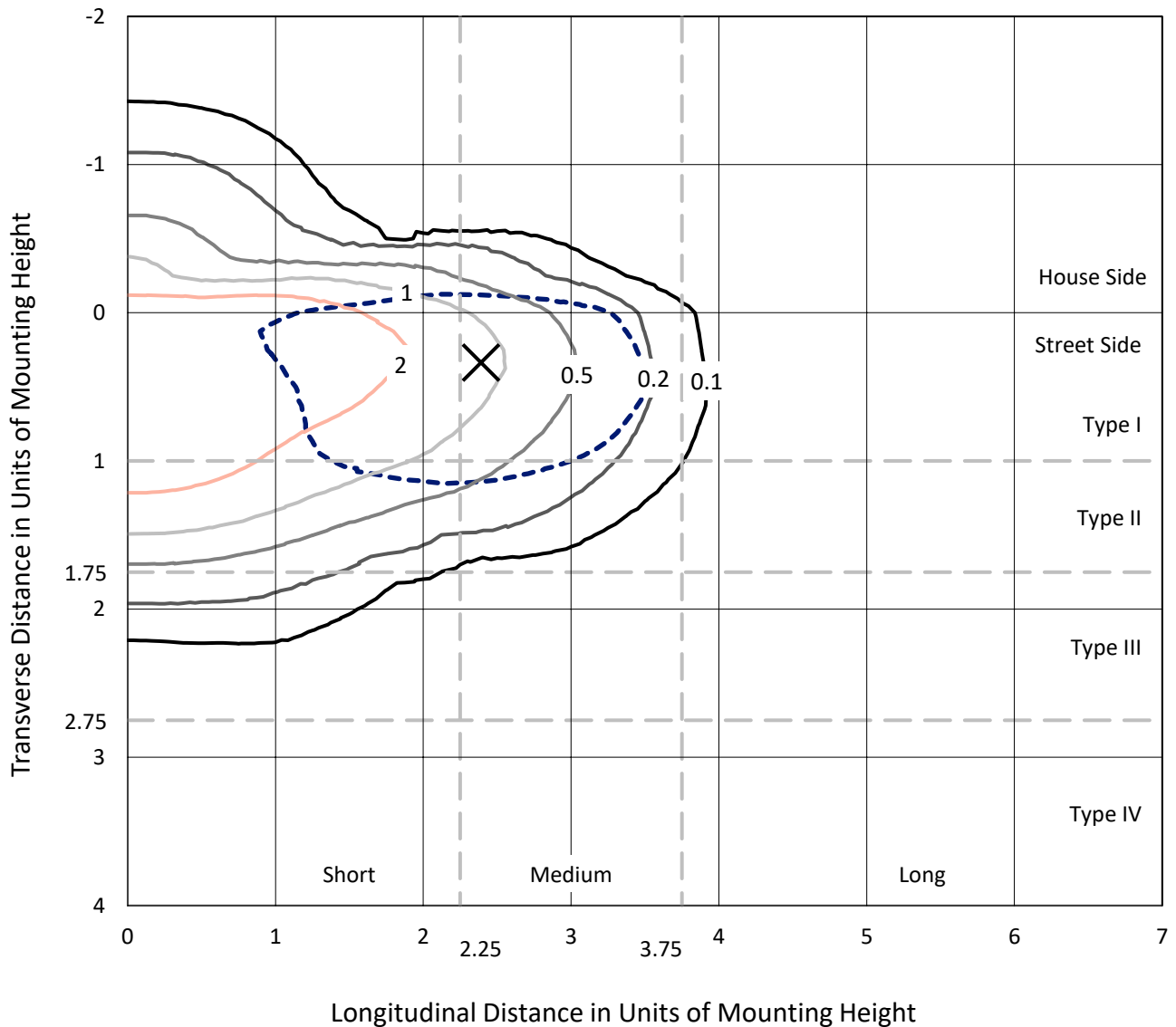
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

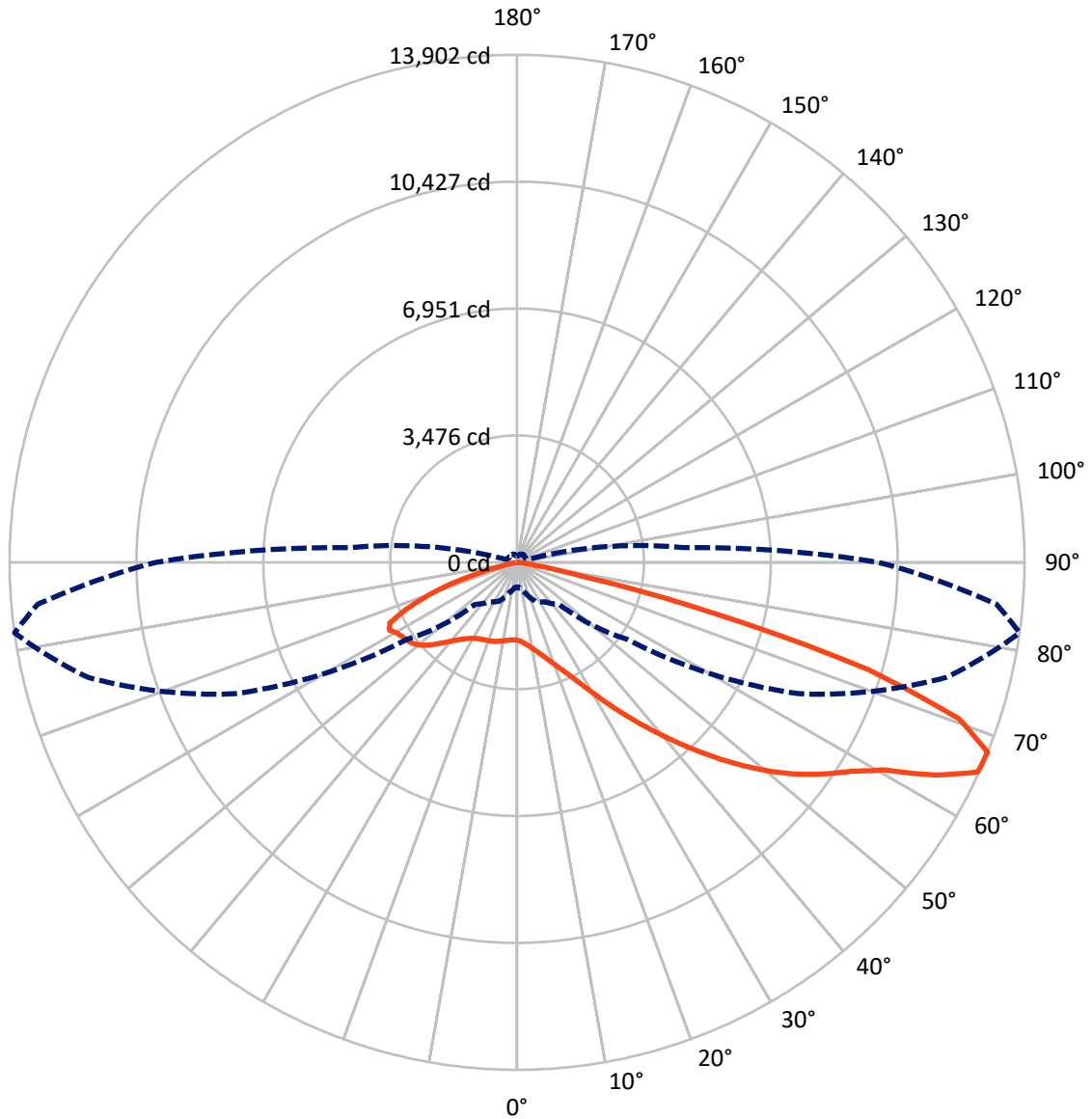
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2333.7	0.0	2333.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	10549.4	0.0	10549.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	12883.0	0.0	12883.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	190.1	1.5
10°-20°	494.1	3.8
20°-30°	791.4	6.1
30°-40°	1399.5	10.9
40°-50°	2452.0	19.0
50°-60°	3270.3	25.4
60°-70°	3044.5	23.6
70°-80°	1168.5	9.1
80°-90°	72.6	0.6
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°	12883.0	100.0
0°-180°	12883.0	100.0

**Coefficient of Utilization**

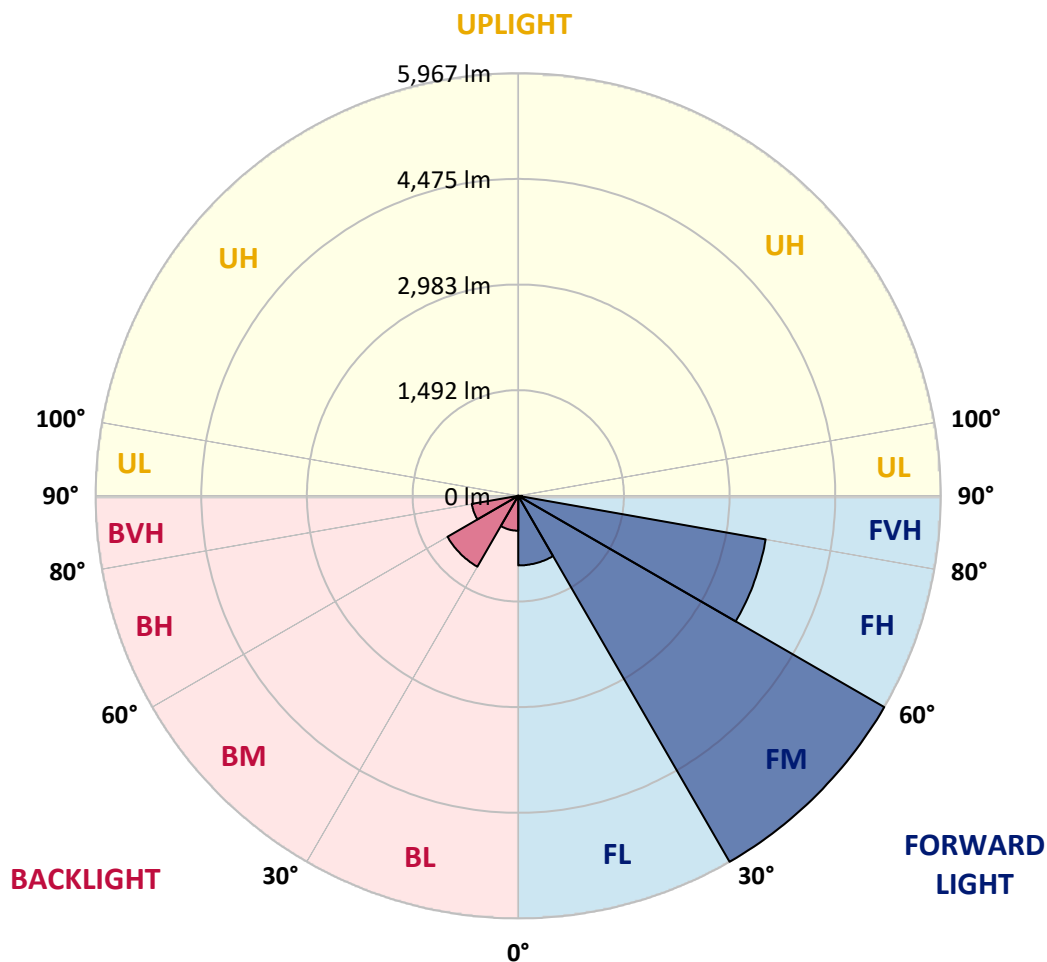


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.8	7.6			
FM (30°-60°)	5966.9	46.3			
FH (60°-80°)	3546.9	27.5			G2/5000
FVH (80°-90°)	52.8	0.4			G1/100
BL (0°-30°)	492.9	3.8	B1/500		
BM (30°-60°)	1154.9	9.0	B2/2500		
BH (60°-80°)	666.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	19.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3
2.5°	2255.8	2268.8	2261.4	2257.6	2251.1	2241.9	2234.5	2211.3	2187.1	2171.4
5°	2301.2	2314.2	2313.3	2317.0	2321.6	2324.4	2322.6	2296.6	2262.3	2235.4
7.5°	2262.3	2277.1	2289.2	2307.7	2340.2	2374.5	2391.2	2385.6	2350.4	2313.3
10°	2151.9	2167.7	2196.4	2240.0	2308.7	2382.9	2445.0	2473.8	2451.5	2410.7
12.5°	1949.7	1965.5	2022.0	2116.7	2231.7	2360.6	2479.3	2556.3	2561.9	2521.1
15°	1722.4	1738.2	1798.5	1917.2	2092.5	2299.4	2497.9	2643.5	2692.7	2657.4
17.5°	1581.5	1595.4	1640.8	1736.4	1919.1	2176.9	2491.4	2736.3	2848.5	2820.7
20°	1538.8	1550.9	1572.2	1639.0	1791.1	2049.9	2448.7	2823.4	3016.4	3000.6
22.5°	1584.2	1595.4	1601.9	1631.5	1727.1	1966.4	2394.9	2912.5	3211.2	3213.0
25°	1689.1	1700.2	1692.8	1711.3	1753.1	1940.4	2374.5	3017.3	3456.0	3476.4
27.5°	1861.6	1862.5	1844.9	1844.0	1850.4	1979.4	2395.8	3129.5	3764.9	3802.9
30°	2207.6	2193.6	2125.9	2052.7	2019.3	2096.2	2455.2	3262.2	4129.4	4197.1
32.5°	2740.9	2720.5	2596.2	2420.9	2244.7	2284.5	2561.9	3413.4	4526.4	4648.8
35°	3319.7	3314.1	3184.3	2923.6	2615.7	2552.6	2735.3	3611.9	4959.6	5154.4
37.5°	3857.7	3854.9	3780.7	3473.6	3098.9	2926.4	3013.6	3871.6	5423.3	5705.3
40°	4349.3	4357.6	4283.4	4008.8	3631.3	3405.9	3392.0	4192.5	5939.1	6305.4
42.5°	4774.1	4783.3	4708.2	4505.1	4157.2	3936.5	3856.7	4585.8	6442.7	6950.1
45°	5062.5	5120.0	5108.9	4946.6	4697.1	4468.0	4415.1	5079.2	7016.9	7633.7
47.5°	5144.2	5197.0	5280.5	5302.8	5150.6	4925.3	4988.3	5673.8	7597.5	8318.2
50°	4942.9	4992.0	5165.5	5396.4	5502.2	5432.6	5545.8	6311.0	8192.1	9000.9
52.5°	4545.9	4596.0	4814.9	5180.3	5611.6	5830.5	6105.1	6939.0	8768.1	9647.4
55°	3971.7	4024.6	4305.7	4719.3	5402.9	5994.7	6571.6	7566.0	9295.8	10228.9
57.5°	3190.7	3229.7	3521.9	4100.7	4878.0	5831.5	6915.8	8250.5	9793.0	10800.3
60°	2079.6	2113.9	2453.4	3098.9	4007.9	5286.1	6984.4	9013.9	10453.4	11543.3
62.5°	1383.0	1406.2	1607.4	2081.4	2822.5	4238.9	6582.8	9623.3	11421.8	12836.3
65°	948.9	972.1	1173.3	1503.5	1823.6	2804.0	5428.0	9542.6	12299.2	13863.1
67.5°	677.1	696.6	867.3	1178.9	1319.9	1628.8	3679.6	8511.1	12173.1	13902.0
70°	485.1	496.2	637.2	918.3	1049.1	978.6	2046.2	6509.5	10658.4	12837.2
72.5°	339.5	343.2	442.4	699.4	845.0	714.2	973.9	4340.0	8061.3	10075.9
75°	230.0	234.7	297.7	512.9	678.0	545.4	515.7	2327.2	4732.3	5577.3
77.5°	141.0	142.8	192.0	350.6	507.4	415.5	332.1	986.0	1831.0	1797.6
80°	79.8	79.8	122.4	218.0	346.0	268.1	232.8	419.2	579.7	509.2
82.5°	44.5	45.4	89.0	135.4	229.1	158.6	128.0	193.9	250.4	221.7
85°	18.6	20.4	54.7	64.0	109.5	78.8	51.9	81.6	92.8	82.6
87.5°	1.9	2.8	16.7	12.1	13.0	15.8	7.4	15.8	13.0	13.0
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°
2134.3	0°	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3	2134.3
2165.8	2.5°	2148.2	2134.3	2099.0	2058.2	2004.4	1978.4	1943.2	1919.1	1898.7	1900.5
2219.6	5°	2189.9	2154.7	2075.8	1977.5	1855.1	1767.9	1675.1	1611.1	1559.2	1548.1
2293.8	7.5°	2247.4	2191.8	2053.6	1876.4	1669.6	1512.8	1372.8	1282.8	1218.8	1198.4
2383.8	10°	2321.6	2240.9	2024.8	1749.3	1451.6	1252.2	1101.9	1031.4	987.8	973.0
2489.5	12.5°	2407.9	2297.5	1986.8	1594.4	1227.1	1035.1	939.6	904.4	890.4	885.8
2619.4	15°	2516.4	2368.0	1929.3	1410.8	1037.0	902.5	861.7	857.1	858.9	857.1
2775.2	17.5°	2645.4	2445.0	1835.6	1221.6	909.0	834.8	819.9	823.7	828.3	827.4
2949.6	20°	2786.3	2521.1	1716.0	1053.7	821.8	786.6	778.2	781.9	785.6	783.8
3150.9	22.5°	2946.8	2602.7	1583.3	922.9	763.4	742.0	732.8	733.7	733.7	730.0
3405.9	25°	3138.8	2692.7	1444.2	830.2	718.8	702.2	691.0	687.3	681.7	670.6
3715.7	27.5°	3367.9	2788.2	1310.6	765.2	683.6	667.8	654.8	645.6	631.7	613.1
4087.7	30°	3625.8	2904.1	1197.5	724.4	655.8	640.0	625.2	611.3	590.8	567.7
4515.3	32.5°	3929.1	3028.4	1114.9	697.5	630.7	614.0	596.4	579.7	557.5	534.3
4995.7	35°	4290.8	3178.7	1066.7	679.0	611.3	589.0	569.5	551.0	534.3	513.9
5518.0	37.5°	4683.2	3338.2	1051.8	669.7	598.3	563.9	541.7	528.7	526.8	514.8
6082.8	40°	5112.6	3527.4	1063.0	664.1	584.4	539.8	515.7	512.9	517.6	496.2
6686.7	42.5°	5567.1	3751.9	1081.5	657.6	564.9	515.7	492.5	492.5	488.8	459.1
7324.8	45°	6058.7	4010.7	1100.1	641.9	541.7	491.6	474.0	467.5	451.7	423.0
7966.7	47.5°	6554.0	4274.1	1114.0	613.1	513.9	471.2	455.4	440.6	417.4	391.4
8596.5	50°	7024.3	4510.6	1099.1	570.4	482.3	451.7	435.0	414.6	389.6	371.9
9192.9	52.5°	7444.5	4715.6	1036.1	520.4	448.9	431.3	416.5	395.1	374.7	356.2
9730.9	55°	7809.9	4881.7	924.8	473.0	419.2	413.7	398.8	371.9	344.1	328.4
10264.2	57.5°	8160.5	5007.8	785.6	434.1	392.4	394.2	371.9	347.8	321.9	305.2
10983.0	60°	8627.1	5176.6	644.6	397.9	363.6	369.2	345.0	327.4	295.0	273.6
12215.7	62.5°	9372.8	5439.1	512.0	353.4	330.2	332.1	321.9	300.5	261.6	236.5
13129.4	65°	9964.6	5342.6	403.5	305.2	292.2	295.0	295.0	271.8	230.0	201.3
13178.5	67.5°	9897.8	4574.6	321.9	257.9	256.0	257.9	264.3	244.9	204.1	180.9
12174.9	70°	9117.8	3638.8	257.9	214.3	222.6	218.0	236.5	223.5	183.7	160.5
9438.7	72.5°	7439.8	2621.2	196.6	177.2	170.7	178.1	213.3	201.3	153.0	127.1
4999.5	75°	4347.4	1398.7	146.6	140.1	123.4	148.4	189.2	171.6	116.9	93.7
1532.3	77.5°	1415.4	487.9	107.6	103.0	91.8	119.7	161.4	144.7	95.5	74.2
448.9	80°	379.4	147.5	73.3	67.7	59.4	89.0	128.0	115.0	68.6	48.2
192.9	82.5°	152.1	62.1	42.7	38.0	32.5	61.2	101.1	92.8	51.0	30.6
60.3	85°	49.2	20.4	15.8	12.1	14.8	38.0	60.3	63.1	36.2	15.8
9.3	87.5°	6.5	2.8	2.8	3.7	2.8	6.5	18.6	17.6	10.2	1.9
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°
2134.3
1882.0
1523.0
1178.0
961.9
883.0
856.1
825.5
782.8
728.1
668.8
611.3
565.8
535.2
512.0
513.9
497.2
459.1
422.0
390.5
369.2
354.3
326.5
303.3
270.8
234.7
198.5
177.2
157.7
124.3
90.9
71.4
47.3
30.6
12.1
0.0
0.0

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