

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: P852734

Luminaire Tested: **GLAN-SB6A-735-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852734  
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-SB6A-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 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: 20211 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

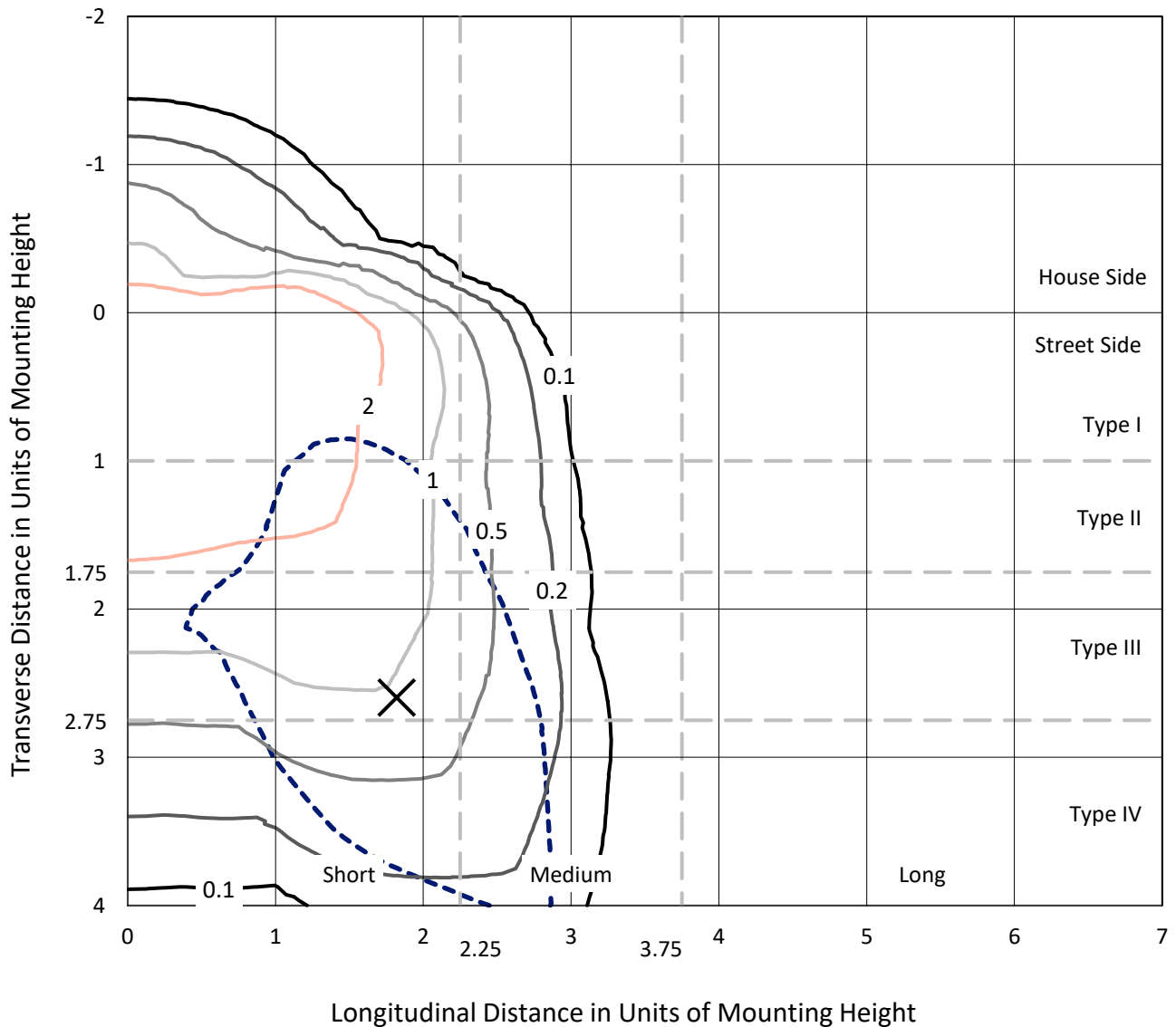
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

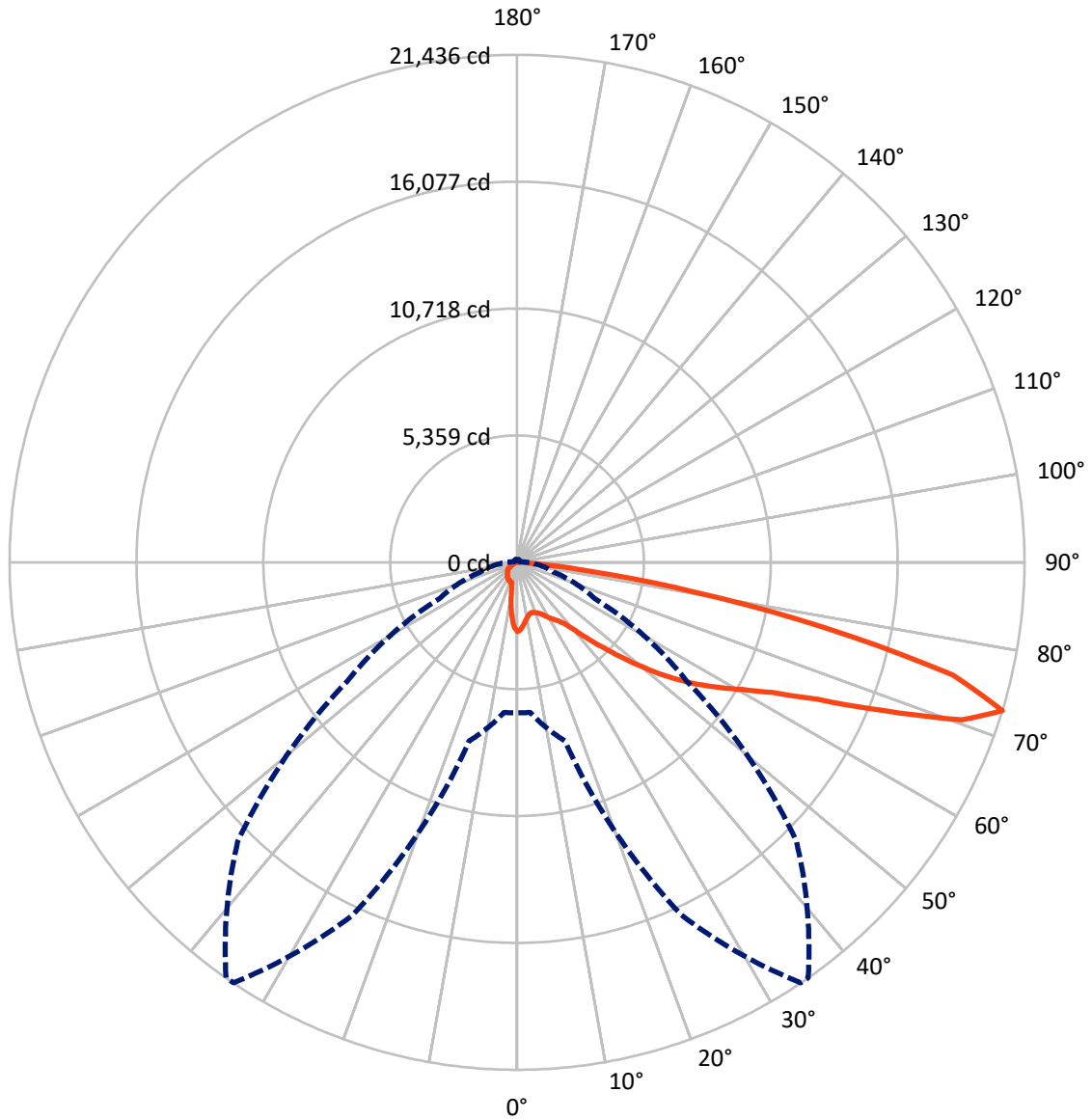
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	2274.7	0.0	2274.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	17936.4	0.0	17936.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	20211.0	0.0	20211.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	240.7	1.2
10°-20°	563.1	2.8
20°-30°	914.7	4.5
30°-40°	1526.2	7.6
40°-50°	2887.7	14.3
50°-60°	4588.5	22.7
60°-70°	5676.3	28.1
70°-80°	3528.5	17.5
80°-90°	285.2	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°	20211.0	100.0
0°-180°	20211.0	100.0

**Coefficient of Utilization**

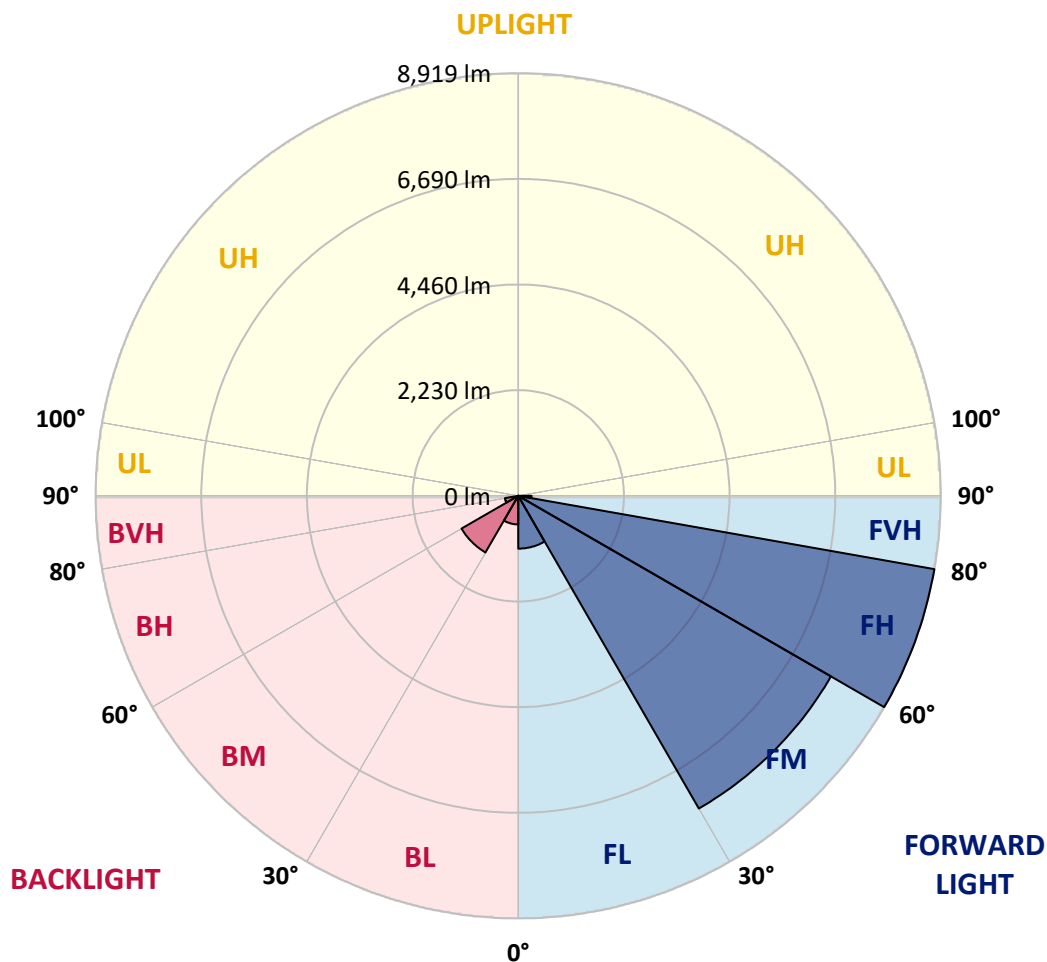


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1114.1	5.5			
FM (30°-60°)	7621.6	37.7			
FH (60°-80°)	8919.4	44.1			G4/12000
FVH (80°-90°)	281.3	1.4			G3/500
BL (0°-30°)	604.4	3.0	B2/1000		
BM (30°-60°)	1380.9	6.8	B2/2500		
BH (60°-80°)	285.4	1.4	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3
2.5°	2798.9	2822.6	2827.1	2834.5	2834.5	2843.4	2858.2	2878.9	2913.0	2930.7
5°	2579.8	2597.5	2619.7	2637.5	2671.6	2676.0	2733.8	2790.0	2868.5	2927.8
7.5°	2359.1	2379.8	2409.5	2452.4	2496.8	2510.2	2597.5	2692.3	2816.7	2927.8
10°	2203.6	2205.1	2231.7	2274.7	2345.8	2362.1	2468.7	2603.5	2758.9	2910.0
12.5°	2116.2	2126.6	2138.4	2171.0	2239.1	2249.5	2363.5	2522.0	2701.2	2899.6
15°	2116.2	2123.6	2131.0	2147.3	2202.1	2211.0	2311.7	2470.2	2671.6	2904.1
17.5°	2138.4	2150.3	2144.4	2163.6	2221.4	2227.3	2316.2	2455.4	2670.1	2932.2
20°	2191.8	2200.6	2188.8	2200.6	2258.4	2270.2	2362.1	2483.5	2695.3	2981.1
22.5°	2276.2	2280.6	2252.5	2261.4	2320.6	2335.4	2442.0	2563.5	2756.0	3059.6
25°	2382.8	2391.7	2348.7	2359.1	2415.4	2433.1	2556.1	2683.4	2852.2	3167.7
27.5°	2505.7	2510.2	2473.1	2471.6	2544.2	2569.4	2693.8	2831.5	2981.1	3303.9
30°	2646.4	2659.7	2624.2	2618.3	2710.1	2730.8	2853.7	3013.7	3170.6	3508.3
32.5°	2757.5	2767.8	2747.1	2761.9	2855.2	2871.5	3047.7	3271.3	3468.3	3798.5
35°	2917.4	2923.3	2875.9	2902.6	3009.2	3050.7	3312.8	3632.7	3843.0	4162.9
37.5°	3496.4	3496.4	3295.0	3163.2	3265.4	3302.4	3675.6	4087.3	4305.0	4651.6
40°	4297.6	4284.3	3989.6	3720.1	3706.7	3779.3	4192.5	4660.4	4901.8	5238.0
42.5°	5152.1	5131.4	4730.0	4463.5	4419.1	4444.2	4789.3	5366.8	5612.7	5953.3
45°	5910.3	5904.4	5537.1	5178.8	5098.8	5178.8	5534.2	6193.2	6369.4	6727.8
47.5°	6545.6	6545.6	6277.6	6043.6	6002.2	6049.5	6542.7	7109.9	7093.6	7552.7
50°	7277.2	7271.3	7016.6	6915.9	6958.8	7025.5	7703.7	8075.4	7842.9	8362.7
52.5°	7789.6	7825.2	7737.8	7721.5	7940.7	8056.2	8882.5	9020.3	8513.8	9131.3
55°	8195.4	8236.9	8337.6	8451.6	8873.6	9024.7	10024.3	9916.2	9075.1	9797.7
57.5°	8770.0	8710.7	8866.2	9091.3	9774.0	9956.2	11130.6	10761.8	9526.7	10338.3
60°	9467.5	9476.4	9503.0	9787.4	10673.0	10906.9	12220.5	11561.5	9817.0	10670.0
62.5°	10305.7	10319.0	10373.8	10810.7	11879.9	12100.6	13381.6	12216.1	9950.3	10576.7
65°	10247.9	10304.2	10915.8	12410.1	13714.8	13932.5	14736.6	12675.2	9748.9	9723.7
67.5°	9335.7	9427.5	10450.8	14320.5	16481.1	16724.0	16374.5	12765.5	8879.6	7561.6
70°	8139.1	8171.7	9402.3	16038.3	19684.3	19930.2	17840.6	11771.8	6738.2	4217.6
72.5°	6356.1	6363.5	7807.4	16436.7	21422.9	21436.3	16689.9	8738.9	3623.8	1620.1
75°	4540.5	4496.1	5229.1	13329.7	18847.6	18998.7	12512.3	4099.2	1384.7	765.6
77.5°	2434.6	2483.5	2958.9	7905.1	13020.2	13277.9	6827.0	1181.8	704.9	521.3
80°	752.3	793.8	1212.9	3619.4	7375.0	7530.5	2530.9	525.7	491.7	371.7
82.5°	236.9	245.8	565.7	1520.9	3061.1	3132.1	733.1	297.7	336.2	245.8
85°	68.1	69.6	251.8	567.2	756.7	771.6	205.8	115.5	192.5	152.5
87.5°	7.4	23.7	94.8	94.8	66.6	65.2	22.2	25.2	54.8	19.3
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°
2929.3	0°	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3	2929.3
2942.6	2.5°	2935.2	2936.7	2917.4	2884.8	2849.3	2819.7	2782.6	2753.0	2732.3	2726.4
2969.2	5°	2955.9	2945.5	2890.7	2791.5	2673.1	2570.9	2456.8	2366.5	2307.3	2282.1
2997.4	7.5°	2987.0	2957.4	2837.4	2642.0	2415.4	2214.0	2009.6	1851.1	1750.4	1700.1
3024.0	10°	3013.7	2954.4	2748.6	2425.7	2079.2	1774.1	1498.7	1307.6	1201.0	1150.7
3055.1	12.5°	3038.8	2952.9	2633.1	2169.5	1700.1	1326.9	1070.7	975.9	946.3	935.9
3105.5	15°	3086.2	2957.4	2487.9	1876.3	1322.5	1002.6	909.3	907.8	913.7	910.8
3182.5	17.5°	3151.4	2961.8	2323.6	1565.3	1020.4	884.1	879.7	893.0	901.9	897.4
3278.7	20°	3235.8	2979.6	2148.8	1257.3	876.7	854.5	864.9	876.7	884.1	876.7
3407.6	22.5°	3354.3	3010.7	1957.8	1010.0	830.8	836.7	845.6	858.9	866.3	856.0
3572.0	25°	3499.4	3059.6	1769.7	878.2	808.6	816.0	829.3	844.1	853.0	842.6
3779.3	27.5°	3687.5	3138.1	1596.4	848.6	786.4	790.8	810.1	832.3	844.1	830.8
4074.0	30°	3960.0	3266.9	1446.9	861.9	773.0	762.7	789.3	820.4	833.8	821.9
4475.3	32.5°	4321.3	3449.1	1355.0	882.6	767.1	730.1	755.3	795.3	817.5	810.1
4999.6	35°	4795.2	3726.0	1319.5	906.3	762.7	696.0	713.8	756.7	795.3	802.7
5660.1	37.5°	5369.8	4111.0	1329.9	916.7	749.3	667.9	676.8	713.8	764.2	787.8
6403.5	40°	6022.9	4559.7	1389.1	906.3	734.5	644.2	645.7	673.8	718.2	753.8
7203.2	42.5°	6696.7	5084.0	1498.7	867.8	721.2	623.5	619.0	638.3	667.9	693.1
8001.4	45°	7337.9	5623.0	1606.8	814.5	704.9	602.7	592.4	599.8	605.7	616.1
8778.9	47.5°	7897.7	6002.2	1575.7	765.6	682.7	579.0	561.3	558.3	540.5	539.1
9473.4	50°	8284.2	6085.1	1399.5	716.8	650.1	552.4	524.2	506.5	475.4	460.6
9993.2	52.5°	8407.2	5757.8	1143.3	667.9	596.8	516.8	476.9	448.7	410.2	396.9
10292.4	55°	8244.3	5116.6	913.7	608.7	522.8	469.5	425.0	388.0	356.9	340.6
10324.9	57.5°	7845.9	4300.6	722.7	539.1	444.3	416.1	371.7	334.7	308.0	291.7
9963.6	60°	7185.4	3415.0	571.6	456.1	379.1	358.4	312.5	288.8	265.1	245.8
9030.6	62.5°	6182.8	2437.6	448.7	361.3	316.9	293.2	266.6	248.8	220.7	194.0
7352.7	65°	4824.8	1491.3	346.5	265.1	254.7	242.9	226.6	210.3	176.2	149.6
4796.7	67.5°	3043.3	706.4	247.3	199.9	201.4	195.5	188.1	174.7	149.6	125.9
2148.8	70°	1340.2	342.1	162.9	152.5	149.6	149.6	155.5	151.1	127.4	105.1
746.4	72.5°	456.1	183.6	121.4	115.5	108.1	106.6	130.3	125.9	102.2	81.5
371.7	75°	238.4	122.9	88.9	82.9	65.2	78.5	103.7	97.7	72.6	53.3
245.8	77.5°	155.5	87.4	60.7	53.3	37.0	51.8	77.0	68.1	42.9	26.7
161.4	80°	97.7	57.8	35.5	25.2	17.8	28.1	41.5	29.6	16.3	5.9
94.8	82.5°	51.8	29.6	13.3	8.9	7.4	8.9	10.4	7.4	3.0	0.0
48.9	85°	20.7	10.4	4.4	3.0	1.5	0.0	3.0	1.5	0.0	0.0
8.9	87.5°	7.4	1.5	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°
2929.3
2736.7
2291.0
1707.5
1152.2
933.0
909.3
896.0
875.2
854.5
841.2
830.8
820.4
810.1
802.7
793.8
765.6
703.4
622.0
537.6
462.0
395.4
340.6
288.8
241.4
189.6
145.1
122.9
100.7
77.0
48.9
23.7
4.4
0.0
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