

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: P852660

Luminaire Tested: **GLAN-SB5C-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852660
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-SB5C-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA 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: 22398 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

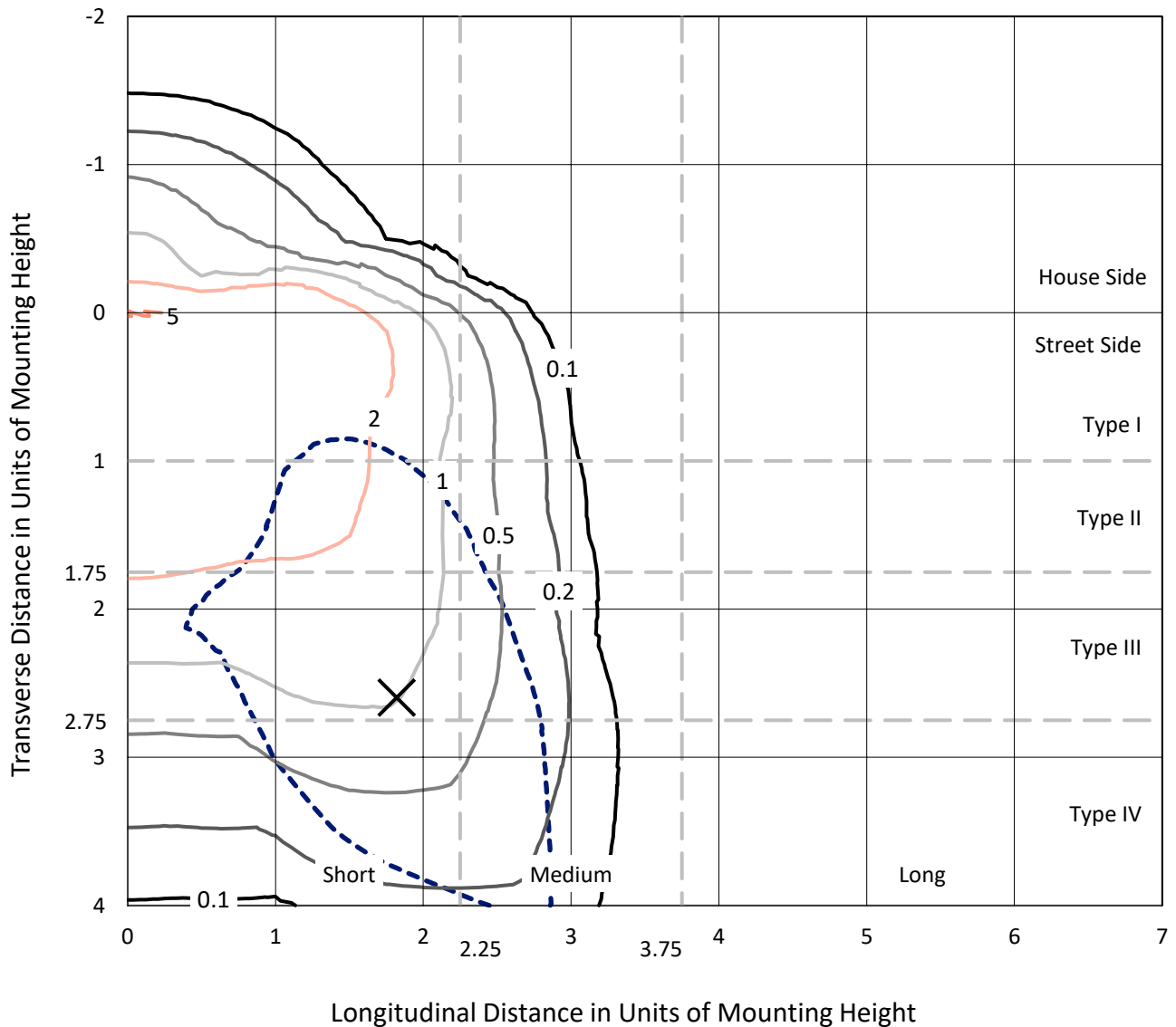
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

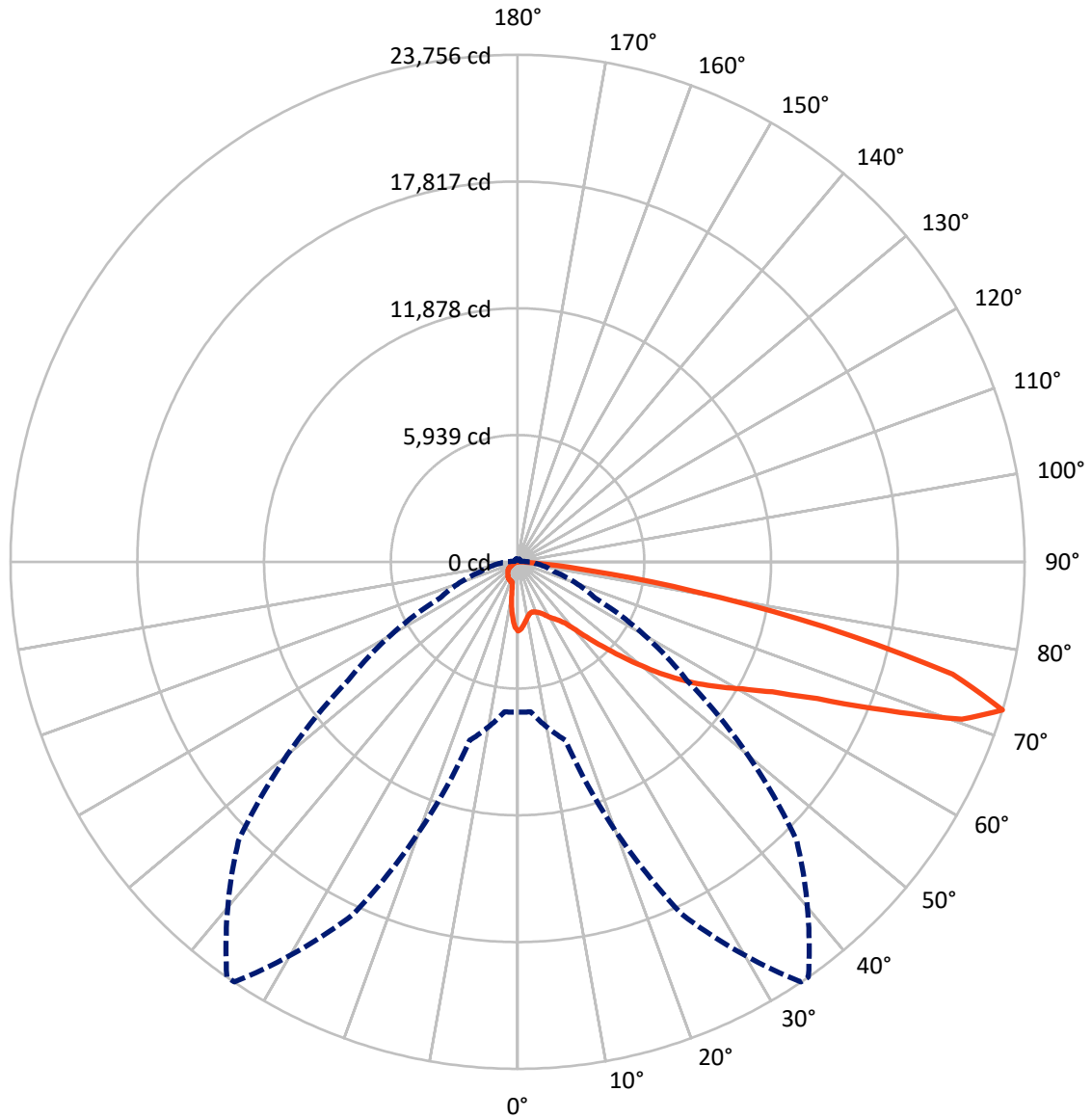
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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
House Side	Lumens	2520.8	0.0	2520.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19877.2	0.0	19877.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	22398.0	0.0	22398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.8	1.2
10°-20°	624.0	2.8
20°-30°	1013.7	4.5
30°-40°	1691.4	7.6
40°-50°	3200.2	14.3
50°-60°	5085.1	22.7
60°-70°	6290.6	28.1
70°-80°	3910.3	17.5
80°-90°	316.0	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°	22398.0	100.0
0°-180°	22398.0	100.0

Coefficient of Utilization

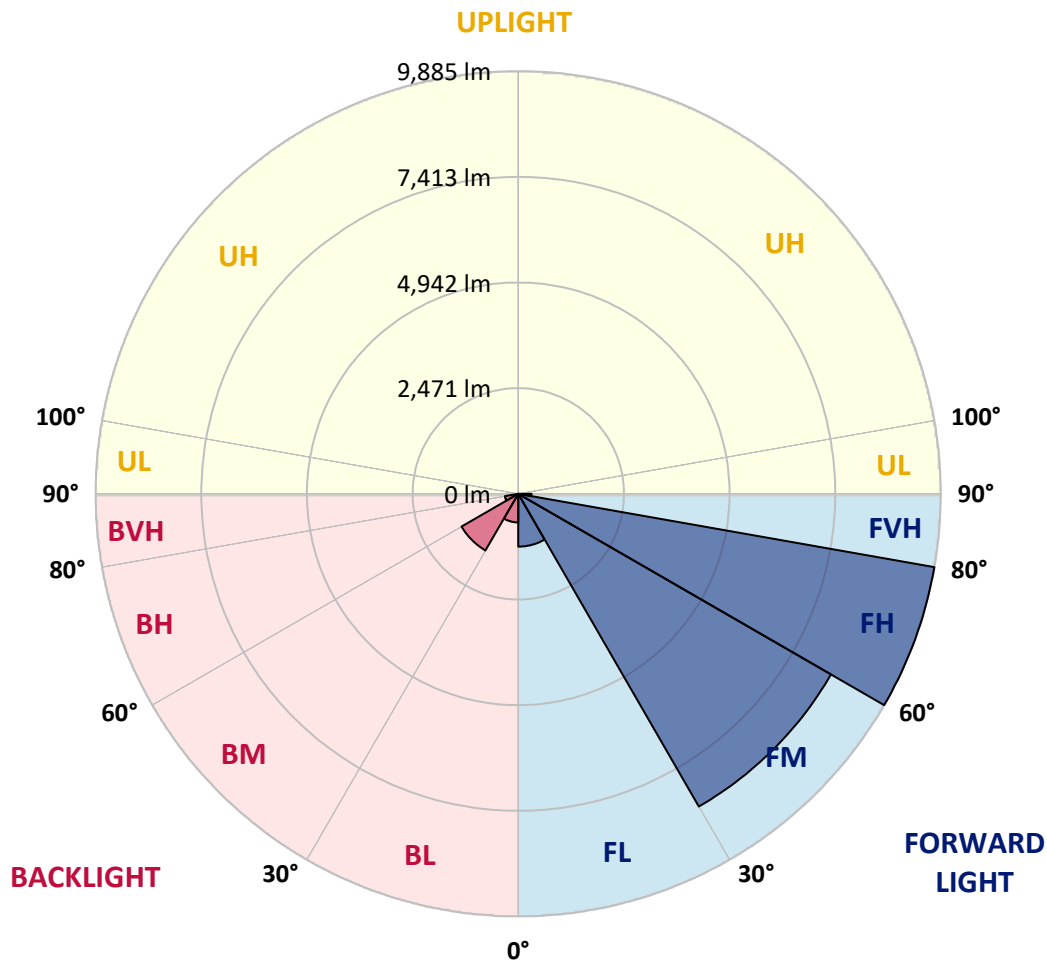


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1234.7	5.5			
FM (30°-60°)	8446.3	37.7			
FH (60°-80°)	9884.5	44.1			G4/12000
FVH (80°-90°)	311.7	1.4			G3/500
BL (0°-30°)	669.8	3.0	B2/1000		
BM (30°-60°)	1530.3	6.8	B2/2500		
BH (60°-80°)	316.3	1.4	B1/500		G1/500
BVH (80°-90°)	4.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2
2.5°	3101.8	3128.1	3133.0	3141.2	3141.2	3151.0	3167.4	3190.4	3228.2	3247.9
5°	2858.9	2878.6	2903.2	2922.9	2960.7	2965.6	3029.6	3092.0	3178.9	3244.6
7.5°	2614.4	2637.3	2670.2	2717.8	2767.0	2781.8	2878.6	2983.6	3121.5	3244.6
10°	2442.1	2443.7	2473.2	2520.8	2599.6	2617.7	2735.8	2885.2	3057.5	3224.9
12.5°	2345.2	2356.7	2369.8	2405.9	2481.4	2492.9	2619.3	2794.9	2993.5	3213.4
15°	2345.2	2353.4	2361.6	2379.7	2440.4	2450.3	2561.9	2737.5	2960.7	3218.3
17.5°	2369.8	2383.0	2376.4	2397.7	2461.7	2468.3	2566.8	2721.0	2959.0	3249.5
20°	2428.9	2438.8	2425.6	2438.8	2502.8	2515.9	2617.7	2752.2	2986.9	3303.7
22.5°	2522.5	2527.4	2496.2	2506.1	2571.7	2588.1	2706.3	2840.9	3054.2	3390.6
25°	2640.6	2650.5	2602.9	2614.4	2676.7	2696.4	2832.6	2973.8	3160.9	3510.4
27.5°	2776.8	2781.8	2740.7	2739.1	2819.5	2847.4	2985.3	3137.9	3303.7	3661.4
30°	2932.8	2947.5	2908.1	2901.6	3003.3	3026.3	3162.5	3339.8	3513.7	3887.9
32.5°	3055.8	3067.3	3044.4	3060.8	3164.2	3182.2	3377.5	3625.3	3843.6	4209.6
35°	3233.1	3239.7	3187.1	3216.7	3334.8	3380.8	3671.3	4025.8	4258.8	4613.3
37.5°	3874.8	3874.8	3651.6	3505.5	3618.8	3659.8	4073.4	4529.6	4770.9	5154.9
40°	4762.7	4747.9	4421.3	4122.6	4107.8	4188.2	4646.1	5164.7	5432.3	5804.8
42.5°	5709.6	5686.6	5241.9	4946.5	4897.2	4925.1	5307.5	5947.6	6220.0	6597.5
45°	6549.9	6543.3	6136.3	5739.1	5650.5	5739.1	6133.0	6863.3	7058.6	7455.8
47.5°	7253.9	7253.9	6956.9	6697.6	6651.6	6704.2	7250.7	7879.2	7861.2	8369.9
50°	8064.7	8058.1	7775.8	7664.2	7711.8	7785.7	8537.3	8949.3	8691.6	9267.6
52.5°	8632.5	8671.9	8575.1	8557.0	8799.9	8927.9	9843.7	9996.3	9435.0	10119.4
55°	9082.2	9128.2	9239.7	9366.1	9833.9	10001.2	11109.0	10989.2	10057.0	10857.9
57.5°	9719.0	9653.3	9825.6	10075.1	10831.7	11033.5	12335.0	11926.3	10557.6	11457.0
60°	10492.0	10501.8	10531.3	10846.4	11827.9	12087.2	13542.9	12812.6	10879.3	11824.6
62.5°	11420.9	11435.6	11496.3	11980.5	13165.4	13409.9	14829.6	13538.0	11027.0	11721.2
65°	11356.9	11419.2	12097.0	13752.9	15198.8	15440.1	16331.2	14046.7	10803.8	10775.9
67.5°	10345.9	10447.6	11581.7	15870.0	18264.5	18533.7	18146.3	14146.8	9840.4	8379.8
70°	9019.8	9055.9	10419.7	17773.8	21814.3	22086.8	19771.1	13045.6	7467.3	4674.0
72.5°	7043.9	7052.1	8652.2	18215.3	23741.1	23755.8	18495.9	9684.5	4015.9	1795.4
75°	5031.8	4982.6	5794.9	14772.1	20887.1	21054.5	13866.2	4542.7	1534.5	848.5
77.5°	2698.1	2752.2	3279.0	8760.5	14429.1	14714.7	7565.8	1309.6	781.2	577.7
80°	833.7	879.7	1344.1	4011.0	8173.0	8345.3	2804.7	582.6	544.9	411.9
82.5°	262.6	272.4	626.9	1685.5	3392.3	3471.1	812.4	329.9	372.5	272.4
85°	75.5	77.1	279.0	628.6	838.6	855.0	228.1	128.0	213.4	169.0
87.5°	8.2	26.3	105.0	105.0	73.9	72.2	24.6	27.9	60.7	21.3
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°
3246.2	0°	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2	3246.2
3261.0	2.5°	3252.8	3254.4	3233.1	3197.0	3157.6	3124.8	3083.7	3050.9	3027.9	3021.4
3290.5	5°	3275.8	3264.3	3203.6	3093.6	2962.3	2849.1	2722.7	2622.6	2556.9	2529.0
3321.7	7.5°	3310.2	3277.4	3144.5	2927.8	2676.7	2453.5	2227.1	2051.5	1939.9	1884.1
3351.3	10°	3339.8	3274.1	3046.0	2688.2	2304.2	1966.1	1660.9	1449.1	1331.0	1275.2
3385.7	12.5°	3367.7	3272.5	2918.0	2404.3	1884.1	1470.5	1186.6	1081.5	1048.7	1037.2
3441.5	15°	3420.2	3277.4	2757.2	2079.4	1465.6	1111.1	1007.7	1006.0	1012.6	1009.3
3526.9	17.5°	3492.4	3282.3	2575.0	1734.7	1130.8	979.8	974.9	989.6	999.5	994.5
3633.5	20°	3585.9	3302.0	2381.3	1393.3	971.6	947.0	958.4	971.6	979.8	971.6
3776.3	22.5°	3717.2	3336.5	2169.6	1119.3	920.7	927.3	937.1	951.9	960.1	948.6
3958.5	25°	3878.1	3390.6	1961.2	973.2	896.1	904.3	919.1	935.5	945.3	933.8
4188.2	27.5°	4086.5	3477.6	1769.2	940.4	871.5	876.4	897.7	922.3	935.5	920.7
4514.8	30°	4388.5	3620.4	1603.4	955.2	856.7	845.2	874.7	909.2	924.0	910.8
4959.6	32.5°	4788.9	3822.3	1501.7	978.1	850.1	809.1	837.0	881.3	905.9	897.7
5540.6	35°	5314.1	4129.2	1462.3	1004.4	845.2	771.3	791.0	838.6	881.3	889.5
6272.5	37.5°	5950.9	4555.9	1473.8	1015.9	830.4	740.2	750.0	791.0	846.8	873.1
7096.4	40°	6674.6	5053.1	1539.4	1004.4	814.0	713.9	715.5	746.7	796.0	835.4
7982.6	42.5°	7421.3	5634.1	1660.9	961.7	799.2	690.9	686.0	707.3	740.2	768.1
8867.2	45°	8132.0	6231.5	1780.7	902.6	781.2	668.0	656.5	664.7	671.2	682.7
9728.8	47.5°	8752.3	6651.6	1746.2	848.5	756.6	641.7	622.0	618.7	599.0	597.4
10498.5	50°	9180.7	6743.5	1550.9	794.3	720.5	612.2	581.0	561.3	526.8	510.4
11074.6	52.5°	9316.9	6380.8	1267.0	740.2	661.4	572.8	528.5	497.3	454.6	439.8
11406.1	55°	9136.4	5670.2	1012.6	674.5	579.3	520.2	471.0	430.0	395.5	377.5
11442.2	57.5°	8694.9	4765.9	800.9	597.4	492.3	461.2	411.9	370.9	341.4	323.3
11041.7	60°	7962.9	3784.5	633.5	505.5	420.1	397.2	346.3	320.0	293.8	272.4
10007.8	62.5°	6851.9	2701.4	497.3	400.4	351.2	325.0	295.4	275.7	244.5	215.0
8148.4	65°	5346.9	1652.7	384.0	293.8	282.3	269.2	251.1	233.0	195.3	165.8
5315.7	67.5°	3372.6	782.8	274.1	221.6	223.2	216.6	208.4	193.7	165.8	139.5
2381.3	70°	1485.3	379.1	180.5	169.0	165.8	165.8	172.3	167.4	141.1	116.5
827.1	72.5°	505.5	203.5	134.6	128.0	119.8	118.2	144.4	139.5	113.2	90.3
411.9	75°	264.2	136.2	98.5	91.9	72.2	87.0	114.9	108.3	80.4	59.1
272.4	77.5°	172.3	96.8	67.3	59.1	41.0	57.4	85.3	75.5	47.6	29.5
178.9	80°	108.3	64.0	39.4	27.9	19.7	31.2	46.0	32.8	18.1	6.6
105.0	82.5°	57.4	32.8	14.8	9.8	8.2	9.8	11.5	8.2	3.3	0.0
54.2	85°	23.0	11.5	4.9	3.3	1.6	0.0	3.3	1.6	0.0	0.0
9.8	87.5°	8.2	1.6	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°
3246.2
3032.9
2538.9
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1007.7
992.9
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