

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: P848097

Luminaire Tested: **GLAN-SB4C-730-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22739 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

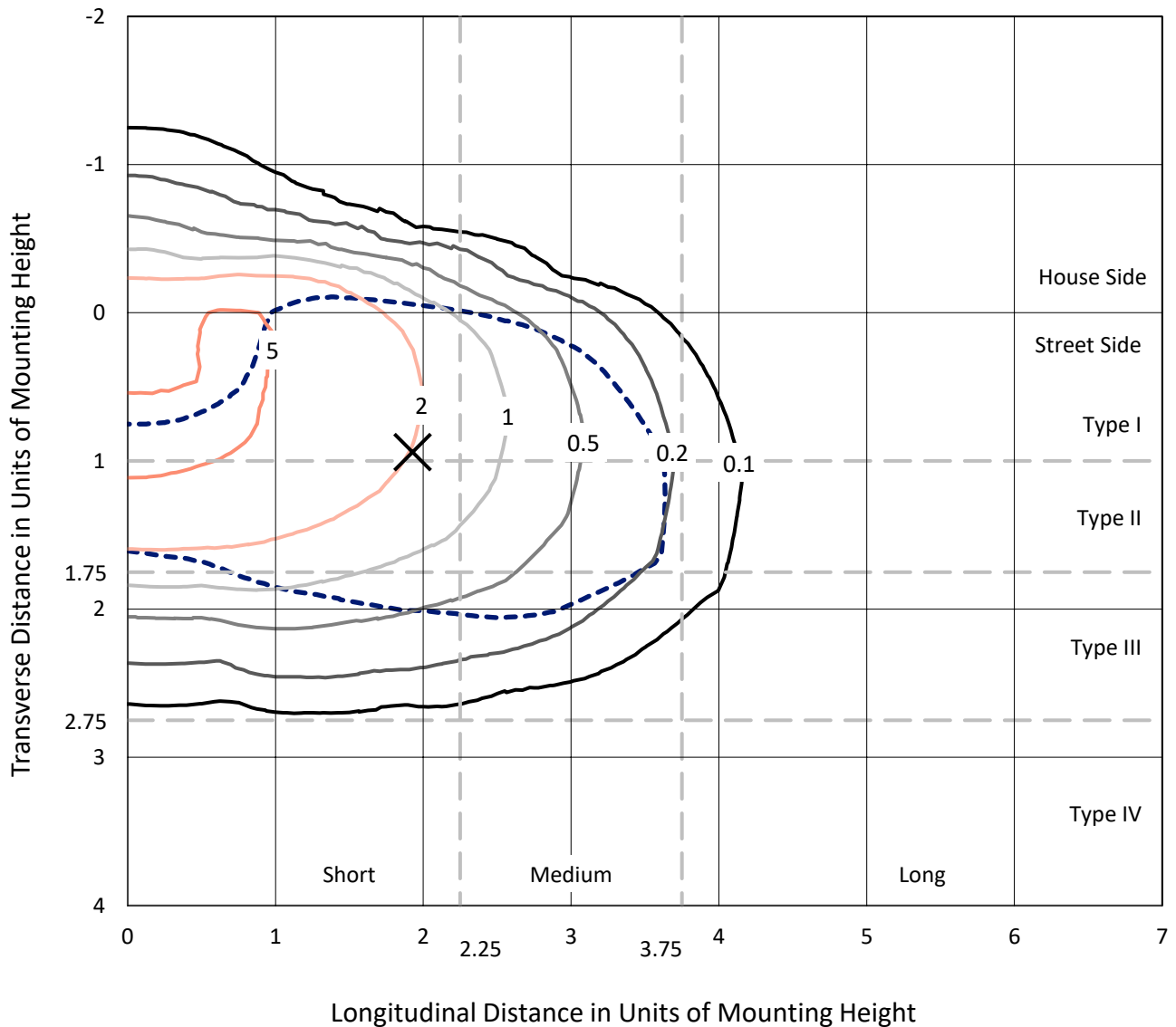
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

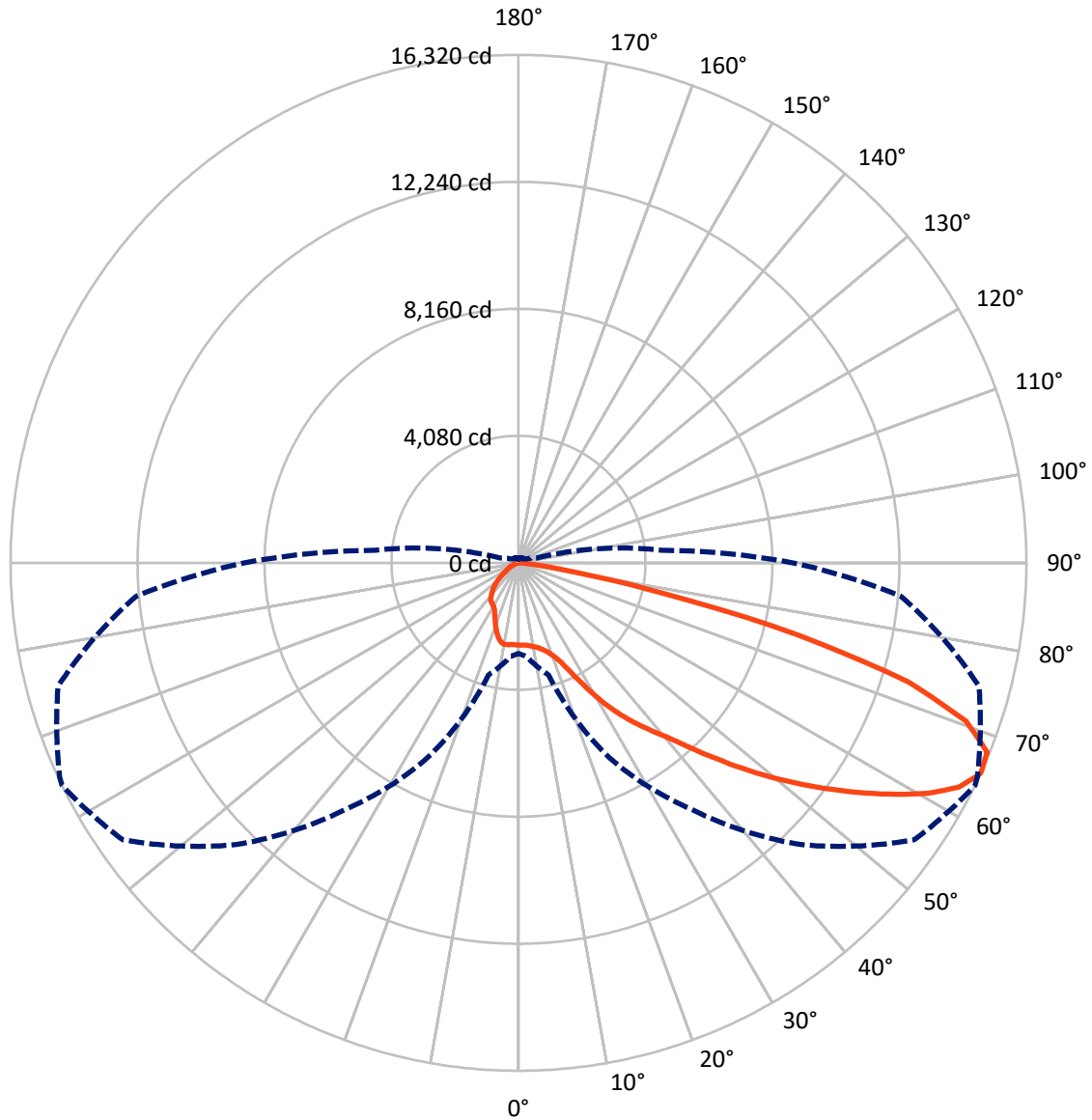
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3040.9	0.0	3040.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19698.1	0.0	19698.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	22739.0	0.0	22739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.0	1.1
10°-20°	661.8	2.9
20°-30°	1254.1	5.5
30°-40°	2537.7	11.2
40°-50°	4323.0	19.0
50°-60°	5878.9	25.9
60°-70°	5520.6	24.3
70°-80°	2211.8	9.7
80°-90°	107.1	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°	22739.0	100.0
0°-180°	22739.0	100.0

Coefficient of Utilization



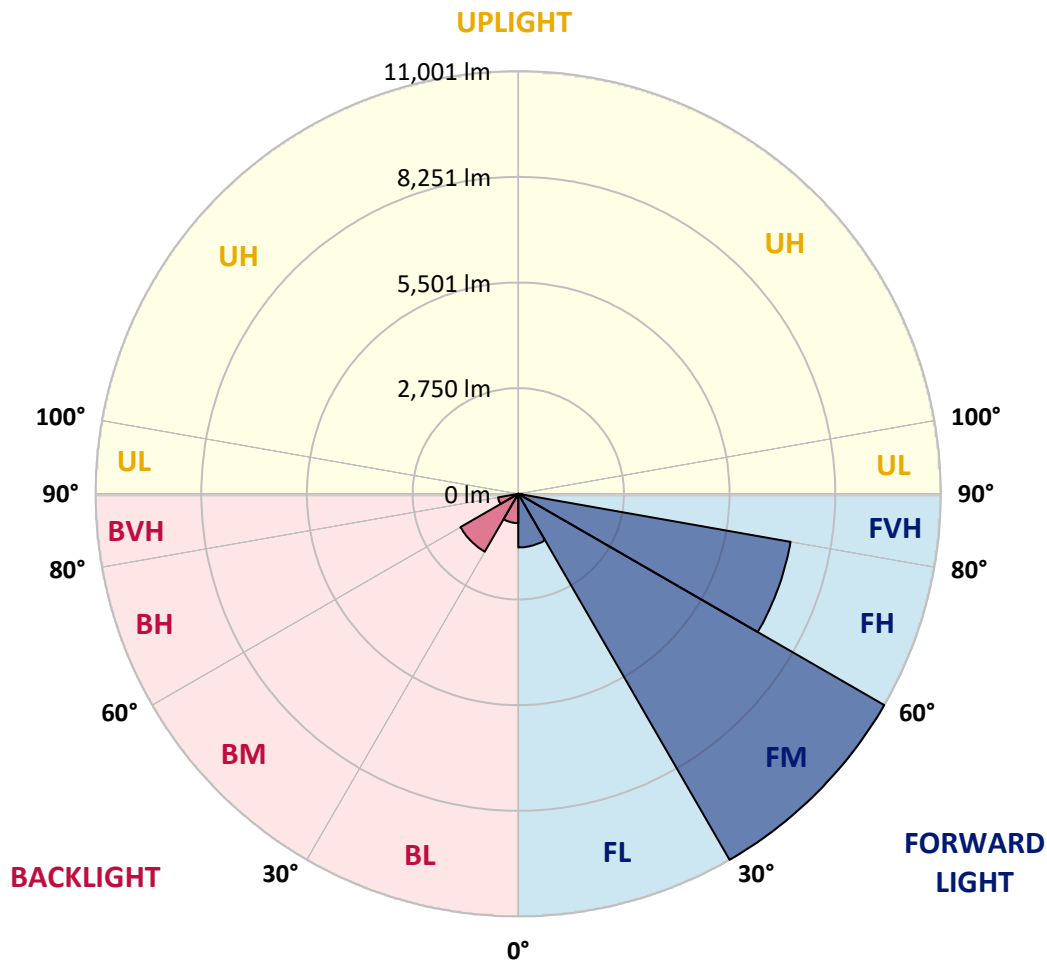
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.4	6.1			
FM (30°-60°)	11001.1	48.4			
FH (60°-80°)	7198.6	31.7			G3/7500
FVH (80°-90°)	101.9	0.4			G2/225
BL (0°-30°)	763.5	3.4	B2/1000		
BM (30°-60°)	1738.5	7.6	B2/2500		
BH (60°-80°)	533.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.2	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-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8
2.5°	2635.6	2653.9	2649.4	2644.8	2643.3	2646.3	2647.8	2646.3	2646.3	2646.3
5°	2585.3	2600.6	2600.6	2611.2	2626.5	2644.8	2658.5	2661.5	2664.6	2669.2
7.5°	2489.3	2501.5	2510.6	2545.7	2583.8	2632.6	2673.7	2695.1	2698.1	2714.9
10°	2423.7	2439.0	2454.2	2490.8	2545.7	2618.9	2689.0	2740.8	2748.4	2788.1
12.5°	2420.7	2435.9	2455.8	2495.4	2559.4	2637.2	2722.5	2797.2	2810.9	2868.9
15°	2452.7	2471.0	2489.3	2538.1	2606.7	2701.2	2792.6	2885.6	2899.4	2981.7
17.5°	2518.3	2542.6	2556.4	2605.1	2678.3	2783.5	2903.9	3010.6	3022.8	3118.9
20°	2647.8	2676.8	2681.4	2721.0	2792.6	2905.4	3048.7	3181.4	3196.6	3306.4
22.5°	2916.1	2957.3	2920.7	2940.5	3004.5	3117.3	3272.8	3440.5	3461.8	3586.8
25°	3388.7	3446.6	3352.1	3318.6	3346.0	3463.4	3658.5	3870.4	3894.8	3995.4
27.5°	4317.0	4242.3	4099.0	3958.8	3876.5	3943.5	4163.1	4425.2	4455.7	4553.3
30°	5336.8	5271.3	5077.7	4766.7	4571.6	4560.9	4763.7	5056.3	5091.4	5184.4
32.5°	6358.1	6295.6	6085.3	5702.7	5364.3	5196.6	5336.8	5661.5	5679.8	5739.3
35°	7362.7	7298.7	7088.3	6696.6	6280.4	5899.3	5871.9	6237.7	6243.8	6306.3
37.5°	8373.4	8320.0	8095.9	7711.8	7301.7	6775.8	6521.3	6783.4	6791.1	6852.0
40°	9094.4	9117.3	8963.3	8666.0	8313.9	7739.2	7249.9	7364.2	7318.5	7420.6
42.5°	9713.3	9759.0	9624.9	9475.5	9271.2	8765.1	8152.3	8132.5	8059.3	8114.2
45°	10248.3	10286.4	10166.0	10131.0	10126.4	9771.2	9138.6	9019.7	8917.6	8906.9
47.5°	10445.0	10518.2	10570.0	10687.4	10916.0	10766.6	10158.4	9974.0	9859.6	9775.8
50°	10519.7	10597.4	10774.2	11115.7	11656.9	11720.9	11173.6	10966.3	10826.1	10673.6
52.5°	10419.1	10557.8	10795.6	11370.3	12155.3	12486.1	12147.7	11966.3	11806.2	11557.8
55°	9826.1	9964.8	10451.1	11367.2	12403.8	13022.7	13068.4	12987.6	12807.8	12416.0
57.5°	8576.1	8781.9	9551.7	10980.0	12399.2	13484.6	13970.9	14028.8	13827.6	13266.6
60°	6844.4	7123.4	8062.4	10121.8	12016.6	13734.6	14762.0	15051.6	14838.2	14105.0
62.5°	4775.9	5099.0	5987.7	8777.3	11141.6	13554.7	15339.7	15874.8	15713.2	14855.0
65°	2913.1	3016.7	3733.2	6906.9	9653.8	12801.7	15518.1	16319.9	16266.6	15313.8
67.5°	1940.5	2027.4	2233.2	4736.2	7493.8	11297.1	15091.3	16242.2	16257.4	15239.1
70°	1169.2	1243.9	1378.0	2754.5	4856.6	8942.0	13769.6	15251.3	15339.7	14240.7
72.5°	481.7	532.0	654.0	1248.5	2515.2	5675.2	10964.8	13094.3	13300.1	11973.9
75°	272.9	298.8	384.1	626.5	1091.4	2644.8	6641.7	9295.6	9599.0	8252.9
77.5°	181.4	193.6	248.5	405.5	614.3	902.4	2838.4	4842.9	5422.2	4507.6
80°	121.9	132.6	170.7	271.3	399.4	387.2	904.0	1794.2	2207.3	1548.8
82.5°	82.3	83.8	121.9	178.4	253.0	187.5	266.8	557.9	701.2	448.2
85°	47.3	45.7	89.9	103.7	112.8	77.7	80.8	167.7	219.5	189.0
87.5°	6.1	9.1	35.1	27.4	15.2	16.8	16.8	29.0	42.7	45.7
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°
2644.8	0°	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8	2644.8
2647.8	2.5°	2647.8	2646.3	2641.7	2637.2	2626.5	2620.4	2623.4	2620.4	2618.9	2620.4
2667.6	5°	2667.6	2663.1	2650.9	2635.6	2614.3	2588.4	2571.6	2547.2	2524.4	2510.6
2721.0	7.5°	2721.0	2716.4	2699.7	2657.0	2588.4	2480.1	2381.1	2294.2	2228.6	2190.5
2806.4	10°	2806.4	2798.7	2772.8	2678.3	2498.4	2262.2	2065.5	1902.4	1795.7	1745.4
2907.0	12.5°	2907.0	2897.8	2852.1	2658.5	2327.7	1958.8	1687.5	1506.1	1407.0	1362.8
3022.8	15°	3025.9	3013.7	2923.7	2564.0	2079.2	1623.5	1375.0	1239.3	1175.3	1135.7
3170.7	17.5°	3173.7	3152.4	2977.1	2422.2	1809.4	1367.4	1182.9	1080.8	1024.4	986.3
3364.3	20°	3365.8	3330.7	3019.8	2253.0	1561.0	1205.8	1053.3	968.0	925.3	891.8
3638.7	22.5°	3634.1	3583.8	3071.6	2070.1	1385.7	1094.5	957.3	894.8	859.7	821.6
4021.3	25°	3966.4	3907.0	3135.6	1900.9	1265.2	998.5	887.2	835.4	794.2	750.0
4522.8	27.5°	4431.3	4324.6	3211.8	1762.2	1161.6	916.1	823.2	765.2	718.0	681.4
5091.4	30°	4949.6	4774.3	3278.9	1678.3	1067.1	839.9	739.3	681.4	637.2	611.3
5602.1	32.5°	5440.5	5202.7	3323.1	1641.7	981.7	753.0	647.9	585.4	551.8	544.2
6102.1	35°	5903.9	5589.9	3318.6	1606.7	905.5	666.1	557.9	493.9	468.0	472.6
6640.2	37.5°	6437.4	6003.0	3286.5	1551.8	843.0	586.9	480.2	423.8	400.9	402.4
7294.1	40°	7057.8	6480.1	3266.7	1448.2	774.4	513.7	416.2	370.4	353.7	347.6
7983.1	42.5°	7719.4	6942.0	3269.8	1330.8	689.0	448.2	371.9	333.8	318.6	314.0
8749.9	45°	8384.0	7382.5	3274.3	1208.8	599.1	397.9	339.9	307.9	298.8	292.7
9527.3	47.5°	9009.0	7757.5	3189.0	1077.7	510.7	359.8	314.0	292.7	285.1	277.4
10307.8	50°	9591.3	8007.5	2983.2	925.3	440.5	329.3	294.2	279.0	271.3	263.7
11015.1	52.5°	10044.1	8047.1	2643.3	768.3	391.8	306.4	282.0	268.3	259.1	251.5
11586.7	55°	10245.3	7798.7	2160.0	621.9	353.7	286.6	269.8	256.1	245.4	237.8
12036.4	57.5°	10193.5	7275.8	1684.4	500.0	317.1	266.8	254.6	245.4	233.2	221.0
12400.7	60°	9938.9	6576.1	1269.8	416.2	283.5	245.4	237.8	230.2	213.4	195.1
12541.0	62.5°	9498.3	5696.6	905.5	344.5	246.9	221.0	218.0	211.9	187.5	154.0
12333.7	65°	8824.6	4628.0	609.7	286.6	211.9	193.6	195.1	184.4	152.4	114.3
11574.5	67.5°	7839.8	3384.1	390.2	234.8	176.8	161.6	163.1	157.0	129.6	97.6
10135.5	70°	6585.3	2240.8	254.6	178.4	141.8	125.0	134.1	135.7	109.8	79.3
7778.9	72.5°	4827.7	1323.2	178.4	132.6	103.7	86.9	109.8	112.8	88.4	59.5
4679.8	75°	2751.5	628.0	134.1	96.0	64.0	61.0	85.4	85.4	61.0	39.6
2025.9	77.5°	1155.5	262.2	94.5	62.5	36.6	35.1	57.9	53.4	30.5	18.3
493.9	80°	333.8	117.4	50.3	30.5	15.2	13.7	22.9	16.8	7.6	3.0
187.5	82.5°	131.1	51.8	19.8	12.2	6.1	6.1	3.0	0.0	0.0	0.0
106.7	85°	77.7	21.3	9.1	4.6	1.5	0.0	0.0	0.0	0.0	0.0
22.9	87.5°	19.8	4.6	3.0	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°
2644.8
2626.5
2513.7
2192.0
1740.8
1358.2
1137.2
983.2
885.7
815.5
745.4
673.8
606.7
548.8
472.6
408.5
346.0
312.5
292.7
277.4
263.7
250.0
236.3
219.5
192.1
150.9
111.3
93.0
76.2
56.4
36.6
18.3
3.0
0.0
0.0
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