

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: P848655

Luminaire Tested: **GLAN-SB5B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848655
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-SB5B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA 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: 16561 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

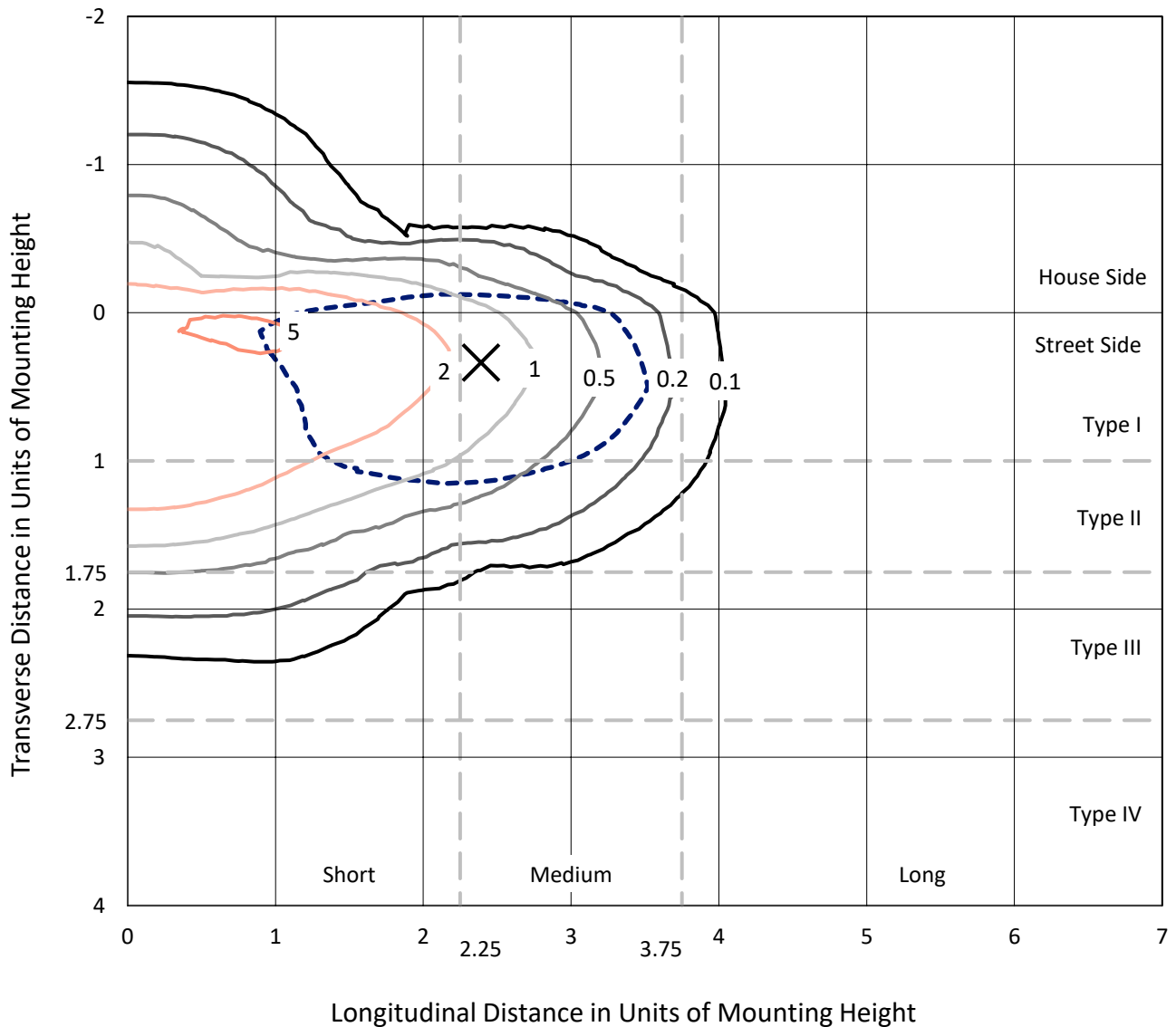
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

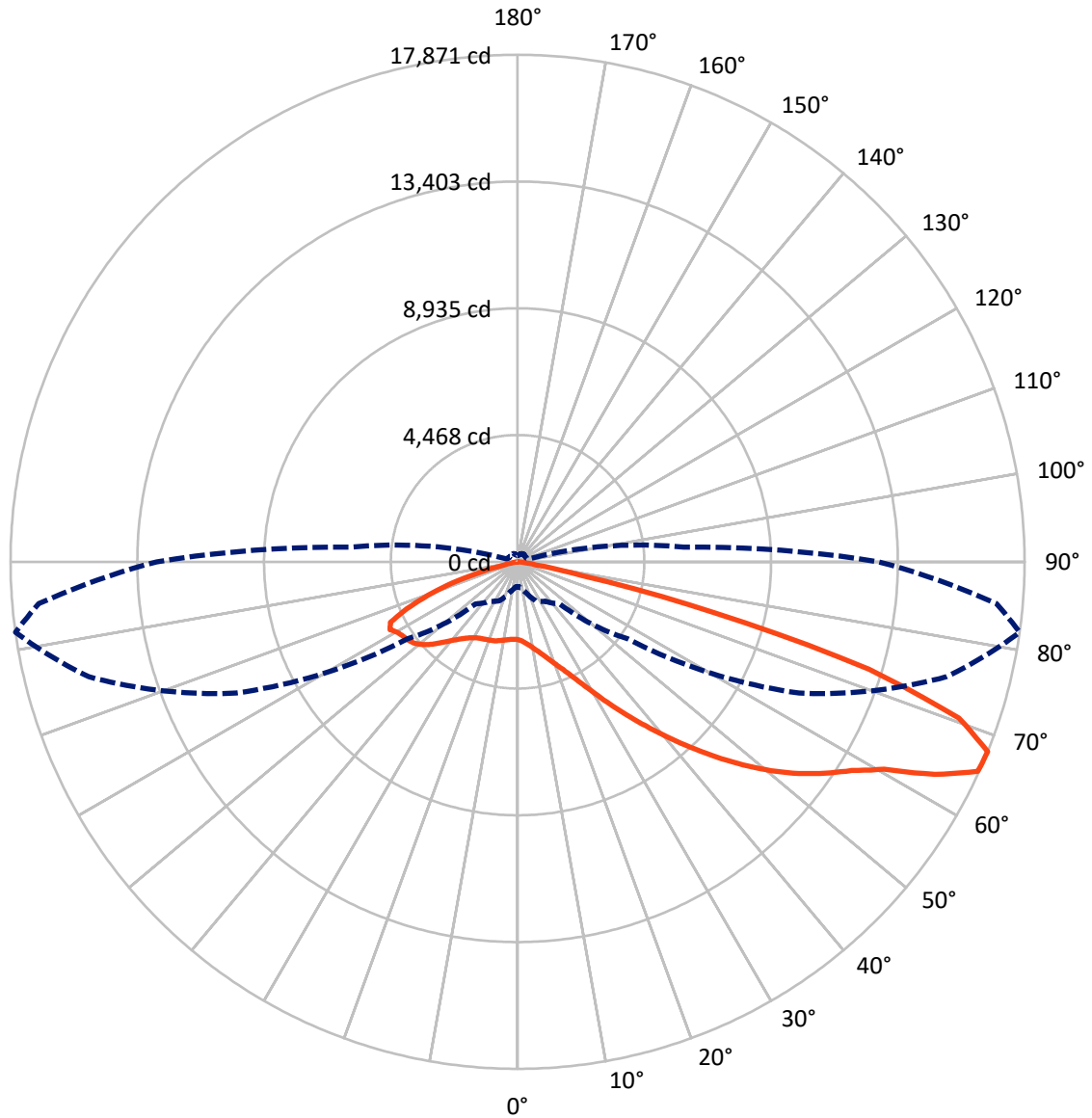
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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
House Side	Lumens	2999.9	0.0	2999.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13561.1	0.0	13561.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	16561.0	0.0	16561.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.4	1.5
10°-20°	635.2	3.8
20°-30°	1017.4	6.1
30°-40°	1799.0	10.9
40°-50°	3152.0	19.0
50°-60°	4203.9	25.4
60°-70°	3913.7	23.6
70°-80°	1502.1	9.1
80°-90°	93.3	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°	16561.0	100.0
0°-180°	16561.0	100.0

Coefficient of Utilization

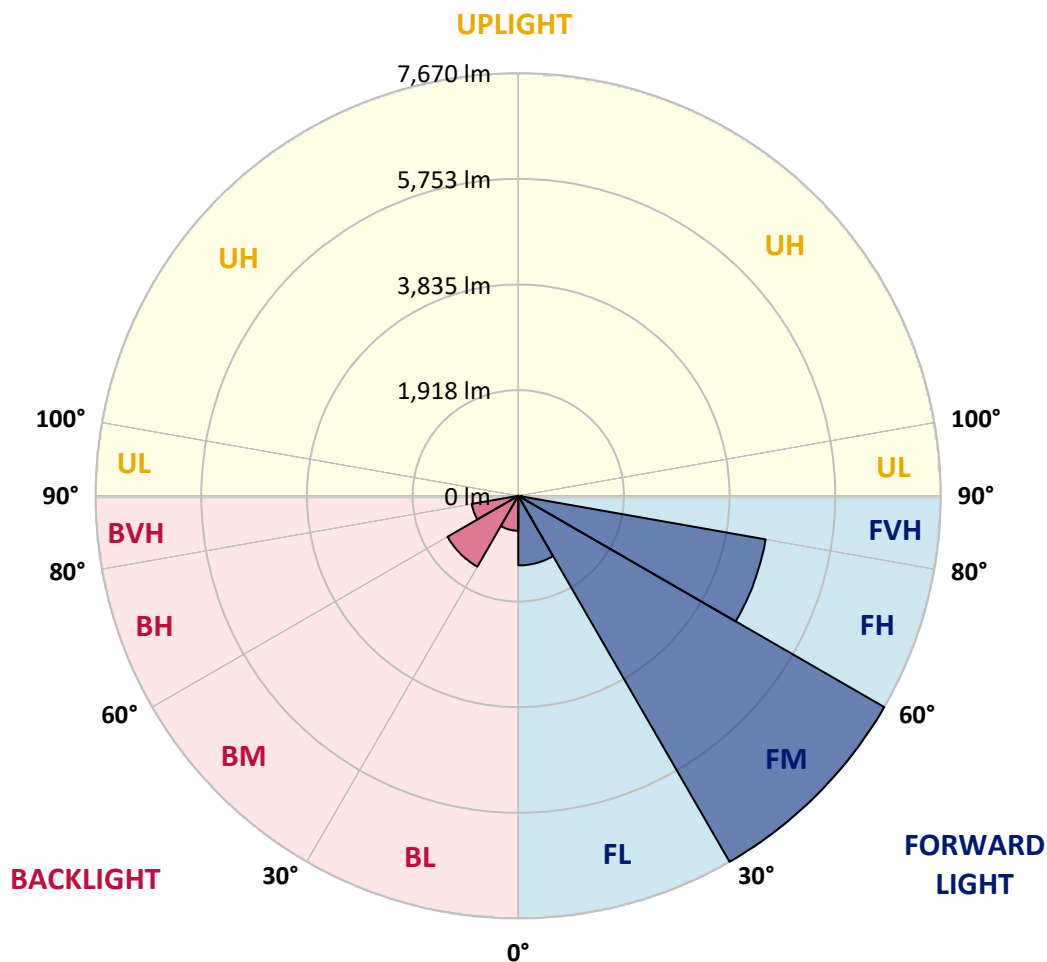


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1263.4	7.6			
FM (30°-60°)	7670.4	46.3			
FH (60°-80°)	4559.5	27.5			G2/5000
FVH (80°-90°)	67.8	0.4			G1/100
BL (0°-30°)	633.6	3.8	B2/1000		
BM (30°-60°)	1484.6	9.0	B2/2500		
BH (60°-80°)	856.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	25.5	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°	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6
2.5°	2899.8	2916.5	2906.9	2902.2	2893.8	2881.9	2872.4	2842.6	2811.6	2791.3
5°	2958.2	2974.9	2973.7	2978.5	2984.5	2988.0	2985.6	2952.3	2908.1	2873.6
7.5°	2908.1	2927.2	2942.7	2966.6	3008.3	3052.4	3073.9	3066.7	3021.4	2973.7
10°	2766.3	2786.5	2823.5	2879.5	2967.8	3063.1	3143.0	3180.0	3151.4	3098.9
12.5°	2506.3	2526.6	2599.3	2720.9	2868.8	3034.5	3187.2	3286.1	3293.3	3240.8
15°	2214.2	2234.5	2312.0	2464.6	2689.9	2955.8	3211.0	3398.2	3461.4	3416.1
17.5°	2033.0	2050.8	2109.3	2232.1	2467.0	2798.4	3202.7	3517.4	3661.7	3625.9
20°	1978.1	1993.6	2021.0	2106.9	2302.4	2635.1	3147.8	3629.5	3877.5	3857.3
22.5°	2036.5	2050.8	2059.2	2097.3	2220.2	2527.8	3078.6	3744.0	4127.9	4130.3
25°	2171.3	2185.6	2176.0	2199.9	2253.5	2494.4	3052.4	3878.7	4442.7	4468.9
27.5°	2393.0	2394.2	2371.6	2370.4	2378.7	2544.5	3079.8	4023.0	4839.7	4888.6
30°	2837.8	2819.9	2732.9	2638.7	2595.7	2694.7	3156.2	4193.5	5308.3	5395.4
32.5°	3523.4	3497.2	3337.4	3112.0	2885.5	2936.8	3293.3	4387.8	5818.7	5976.1
35°	4267.4	4260.3	4093.3	3758.3	3362.4	3281.3	3516.2	4643.0	6375.5	6625.9
37.5°	4959.0	4955.4	4860.0	4465.4	3983.6	3761.9	3873.9	4976.9	6971.7	7334.1
40°	5590.9	5601.7	5506.3	5153.3	4668.1	4378.3	4360.4	5389.4	7634.6	8105.6
42.5°	6137.0	6148.9	6052.4	5791.2	5344.1	5060.3	4957.8	5895.0	8282.1	8934.3
45°	6507.8	6581.8	6567.5	6358.8	6038.1	5743.5	5675.6	6529.3	9020.1	9813.0
47.5°	6612.8	6680.7	6788.0	6816.7	6621.1	6331.4	6412.5	7293.6	9766.5	10693.0
50°	6354.0	6417.2	6640.2	6937.1	7073.0	6983.6	7129.1	8112.7	10530.8	11570.6
52.5°	5843.7	5908.1	6189.5	6659.3	7213.7	7495.1	7848.0	8920.0	11271.3	12401.6
55°	5105.6	5173.6	5534.9	6066.7	6945.4	7706.2	8447.8	9726.0	11949.7	13149.2
57.5°	4101.7	4151.8	4527.4	5271.4	6270.6	7496.3	8890.2	10606.0	12588.8	13883.7
60°	2673.2	2717.4	3153.8	3983.6	5152.1	6795.2	8978.4	11587.3	13437.8	14838.8
62.5°	1777.8	1807.6	2066.3	2675.6	3628.3	5449.0	8462.1	12370.6	14682.6	16500.9
65°	1219.8	1249.6	1508.3	1932.8	2344.2	3604.5	6977.6	12266.9	15810.6	17820.9
67.5°	870.4	895.5	1114.8	1515.5	1696.7	2093.8	4730.1	10941.0	15648.4	17870.9
70°	623.6	637.9	819.1	1180.4	1348.5	1257.9	2630.3	8367.9	13701.3	16502.1
72.5°	436.4	441.2	568.8	899.0	1086.2	918.1	1252.0	5579.0	10362.7	12952.5
75°	295.7	301.7	382.7	659.4	871.6	701.1	662.9	2991.6	6083.4	7169.6
77.5°	181.2	183.6	246.8	450.7	652.2	534.2	426.9	1267.5	2353.7	2310.8
80°	102.5	102.5	157.4	280.2	444.7	344.6	299.3	538.9	745.2	654.6
82.5°	57.2	58.4	114.5	174.1	294.5	203.9	164.5	249.2	321.9	285.0
85°	23.8	26.2	70.3	82.3	140.7	101.3	66.8	104.9	119.2	106.1
87.5°	2.4	3.6	21.5	15.5	16.7	20.3	9.5	20.3	16.7	16.7
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°
2743.6	0°	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6	2743.6
2784.1	2.5°	2761.5	2743.6	2698.3	2645.8	2576.7	2543.3	2498.0	2467.0	2440.7	2443.1
2853.3	5°	2815.1	2769.8	2668.5	2542.1	2384.7	2272.6	2153.4	2071.1	2004.3	1990.0
2948.7	7.5°	2889.1	2817.5	2639.9	2412.1	2146.2	1944.7	1764.7	1649.0	1566.7	1540.5
3064.3	10°	2984.5	2880.7	2602.9	2248.8	1866.0	1609.7	1416.5	1325.9	1269.9	1250.8
3200.3	12.5°	3095.3	2953.5	2554.0	2049.6	1577.5	1330.7	1207.9	1162.5	1144.7	1138.7
3367.2	15°	3234.8	3044.1	2480.1	1813.6	1333.0	1160.2	1107.7	1101.7	1104.1	1101.7
3567.5	17.5°	3400.6	3143.0	2359.7	1570.3	1168.5	1073.1	1054.0	1058.8	1064.8	1063.6
3791.7	20°	3581.8	3240.8	2205.8	1354.5	1056.4	1011.1	1000.4	1005.2	1009.9	1007.5
4050.4	22.5°	3788.1	3345.7	2035.3	1186.4	981.3	953.9	942.0	943.1	943.1	938.4
4378.3	25°	4034.9	3461.4	1856.5	1067.2	924.1	902.6	888.3	883.5	876.4	862.1
4776.6	27.5°	4329.4	3584.2	1684.8	983.7	878.8	858.5	841.8	829.9	812.0	788.1
5254.7	30°	4660.9	3733.2	1539.3	931.2	843.0	822.7	803.6	785.8	759.5	729.7
5804.4	32.5°	5050.8	3893.0	1433.2	896.6	810.8	789.3	766.7	745.2	716.6	686.8
6422.0	35°	5515.8	4086.2	1371.2	872.8	785.8	757.1	732.1	708.3	686.8	660.6
7093.3	37.5°	6020.2	4291.3	1352.1	860.9	769.1	724.9	696.3	679.6	677.3	661.8
7819.4	40°	6572.2	4534.5	1366.4	853.7	751.2	693.9	662.9	659.4	665.3	637.9
8595.7	42.5°	7156.5	4823.1	1390.3	845.4	726.1	662.9	633.1	633.1	628.4	590.2
9416.0	45°	7788.4	5155.7	1414.1	825.1	696.3	631.9	609.3	600.9	580.7	543.7
10241.1	47.5°	8425.1	5494.3	1432.0	788.1	660.6	605.7	585.4	566.4	536.6	503.2
11050.7	50°	9029.7	5798.4	1412.9	733.3	620.0	580.7	559.2	533.0	500.8	478.1
11817.4	52.5°	9569.8	6061.9	1331.9	668.9	577.1	554.4	535.4	507.9	481.7	457.9
12508.9	55°	10039.6	6275.3	1188.8	608.1	538.9	531.8	512.7	478.1	442.4	422.1
13194.5	57.5°	10490.3	6437.5	1009.9	558.0	504.4	506.7	478.1	447.1	413.7	392.3
14118.6	60°	11090.0	6654.5	828.7	511.5	467.4	474.6	443.6	420.9	379.2	351.7
15703.2	62.5°	12048.7	6991.9	658.2	454.3	424.5	426.9	413.7	386.3	336.2	304.0
16877.7	65°	12809.4	6867.9	518.7	392.3	375.6	379.2	379.2	349.4	295.7	258.7
16940.9	67.5°	12723.6	5880.7	413.7	331.5	329.1	331.5	339.8	314.8	262.3	232.5
15650.8	70°	11720.8	4677.6	331.5	275.4	286.2	280.2	304.0	287.4	236.1	206.3
12133.4	72.5°	9563.8	3369.6	252.8	227.7	219.4	228.9	274.2	258.7	196.7	163.4
6426.8	75°	5588.5	1798.1	188.4	180.0	158.6	190.8	243.2	220.6	150.2	120.4
1969.8	77.5°	1819.5	627.2	138.3	132.4	118.0	153.8	207.5	186.0	122.8	95.4
577.1	80°	487.7	189.6	94.2	87.0	76.3	114.5	164.5	147.9	88.2	62.0
248.0	82.5°	195.5	79.9	54.8	48.9	41.7	78.7	130.0	119.2	65.6	39.3
77.5	85°	63.2	26.2	20.3	15.5	19.1	48.9	77.5	81.1	46.5	20.3
11.9	87.5°	8.3	3.6	3.6	4.8	3.6	8.3	23.8	22.7	13.1	2.4
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°
2743.6
2419.3
1957.8
1514.3
1236.5
1135.1
1100.5
1061.2
1006.3
936.0
859.7
785.8
727.3
688.0
658.2
660.6
639.1
590.2
542.5
502.0
474.6
455.5
419.7
389.9
348.2
301.7
255.2
227.7
202.7
159.8
116.9
91.8
60.8
39.3
15.5
0.0
0.0

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