

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: P847995

Luminaire Tested: **GLAN-SB4B-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847995
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-SB4B-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 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: 13645 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

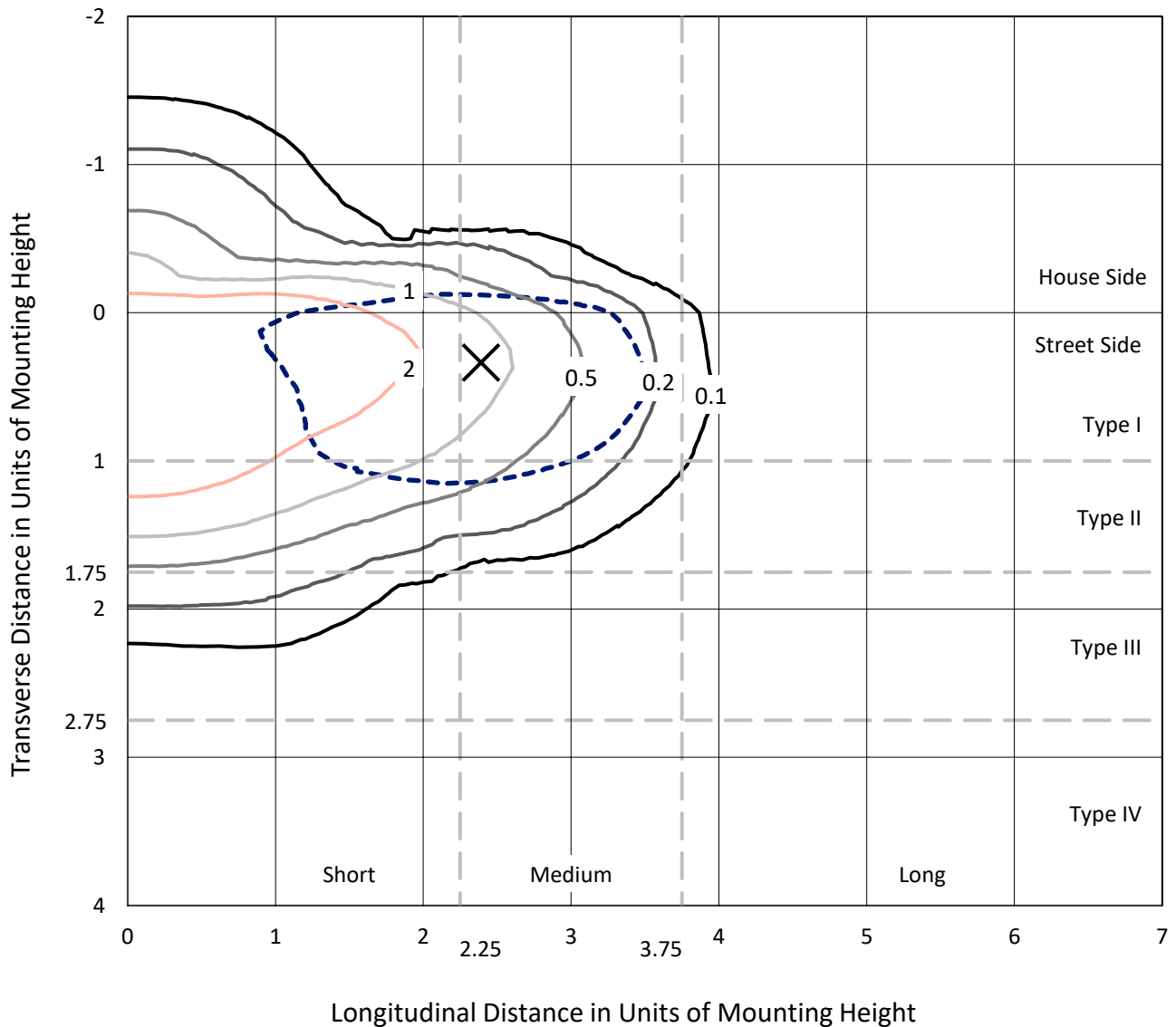
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

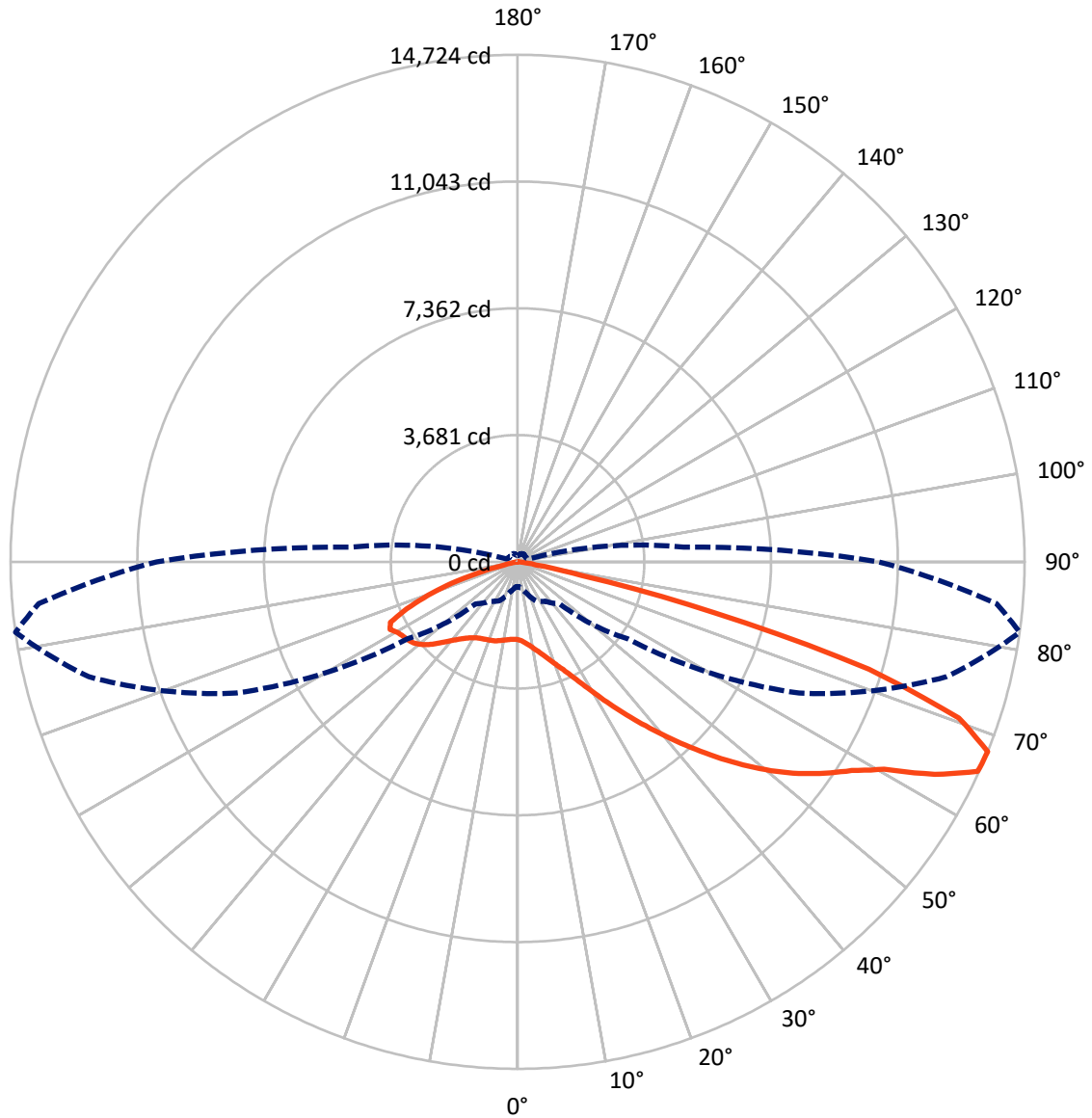
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	2471.7	0.0	2471.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11173.3	0.0	11173.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	13645.0	0.0	13645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.5
10°-20°	523.3	3.8
20°-30°	838.2	6.1
30°-40°	1482.3	10.9
40°-50°	2597.0	19.0
50°-60°	3463.7	25.4
60°-70°	3224.6	23.6
70°-80°	1237.6	9.1
80°-90°	76.9	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°	13645.0	100.0
0°-180°	13645.0	100.0

Coefficient of Utilization

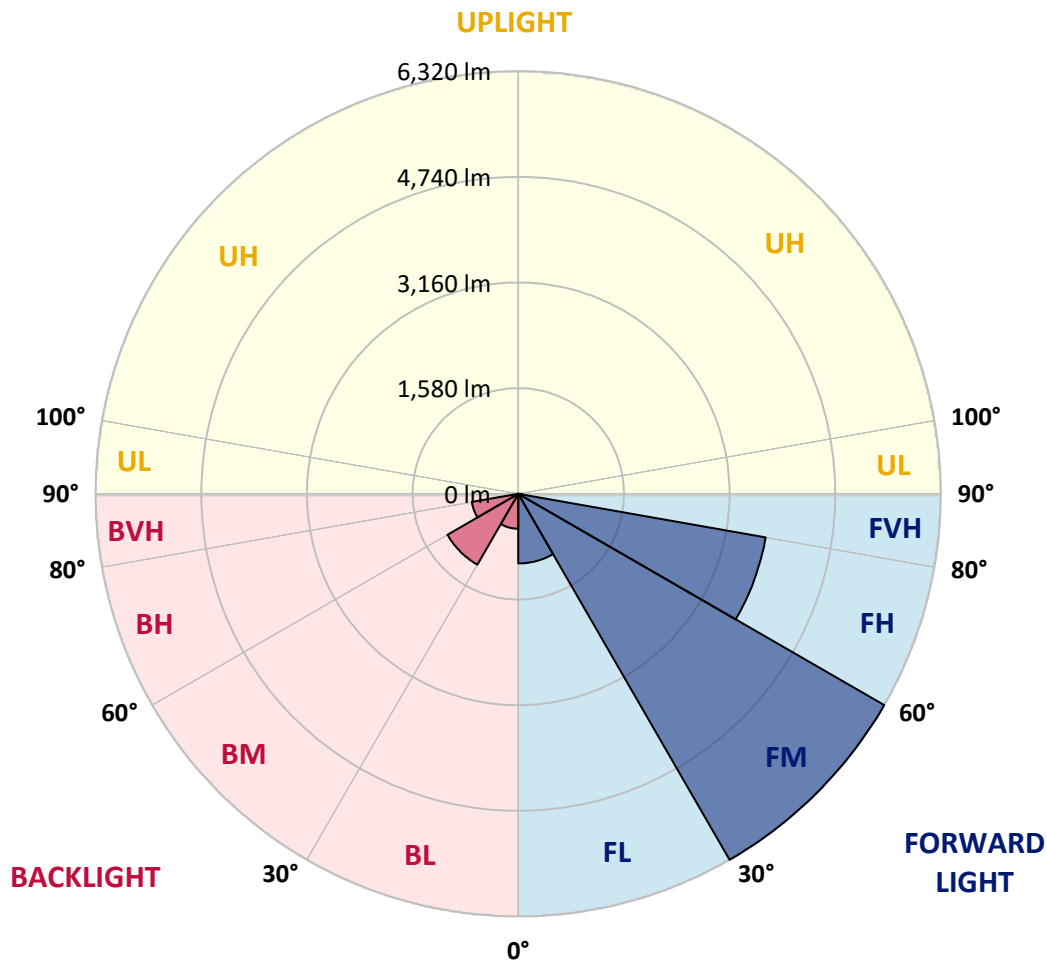


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1041.0	7.6			
FM (30°-60°)	6319.8	46.3			
FH (60°-80°)	3756.7	27.5			G2/5000
FVH (80°-90°)	55.9	0.4			G1/100
BL (0°-30°)	522.0	3.8	B2/1000		
BM (30°-60°)	1223.2	9.0	B2/2500		
BH (60°-80°)	705.5	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.0	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°	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5
2.5°	2389.2	2403.0	2395.1	2391.2	2384.3	2374.5	2366.6	2342.1	2316.5	2299.8
5°	2437.3	2451.1	2450.1	2454.0	2459.0	2461.9	2459.9	2432.4	2396.1	2367.6
7.5°	2396.1	2411.8	2424.6	2444.2	2478.6	2515.0	2532.6	2526.7	2489.4	2450.1
10°	2279.2	2295.9	2326.3	2372.5	2445.2	2523.8	2589.6	2620.1	2596.5	2553.3
12.5°	2065.0	2081.7	2141.6	2241.8	2363.7	2500.2	2626.0	2707.5	2713.4	2670.2
15°	1824.3	1841.0	1904.9	2030.6	2216.3	2435.4	2645.6	2799.9	2851.9	2814.6
17.5°	1675.0	1689.7	1737.9	1839.1	2032.6	2305.7	2638.7	2898.1	3017.0	2987.5
20°	1629.8	1642.6	1665.2	1735.9	1897.0	2171.1	2593.6	2990.4	3194.8	3178.1
22.5°	1677.9	1689.7	1696.6	1728.1	1829.2	2082.7	2536.6	3084.8	3401.1	3403.1
25°	1789.0	1800.7	1792.9	1812.5	1856.7	2055.2	2515.0	3195.8	3660.4	3682.1
27.5°	1971.7	1972.7	1954.0	1953.0	1959.9	2096.5	2537.6	3314.6	3987.6	4027.9
30°	2338.1	2323.4	2251.7	2174.1	2138.7	2220.2	2600.4	3455.1	4373.7	4445.4
32.5°	2903.0	2881.4	2749.8	2564.1	2377.4	2419.7	2713.4	3615.3	4794.1	4923.8
35°	3516.0	3510.1	3372.6	3096.5	2770.4	2703.6	2897.1	3825.5	5252.9	5459.2
37.5°	4085.8	4082.9	4004.3	3679.1	3282.2	3099.5	3191.8	4100.6	5744.1	6042.8
40°	4606.5	4615.3	4536.7	4246.0	3846.1	3607.4	3592.7	4440.5	6290.3	6678.4
42.5°	5056.4	5066.3	4986.7	4771.5	4403.1	4169.3	4084.8	4857.0	6823.8	7361.2
45°	5362.0	5422.9	5411.1	5239.2	4974.9	4732.2	4676.2	5379.7	7431.9	8085.2
47.5°	5448.4	5504.4	5592.8	5616.4	5455.3	5216.6	5283.4	6009.4	8046.9	8810.2
50°	5235.2	5287.3	5471.0	5715.6	5827.6	5753.9	5873.8	6684.3	8676.6	9533.3
52.5°	4814.8	4867.8	5099.7	5486.7	5943.6	6175.4	6466.2	7349.4	9286.7	10218.0
55°	4206.7	4262.7	4560.3	4998.5	5722.5	6349.3	6960.3	8013.5	9845.7	10834.0
57.5°	3379.5	3420.7	3730.2	4343.2	5166.5	6176.4	7324.8	8738.5	10372.2	11439.1
60°	2202.6	2238.9	2598.5	3282.2	4245.0	5598.7	7397.5	9547.0	11071.7	12226.0
62.5°	1464.8	1489.3	1702.5	2204.5	2989.5	4489.6	6972.1	10192.5	12097.3	13595.5
65°	1005.0	1029.6	1242.7	1592.5	1931.4	2969.8	5749.0	10107.0	13026.7	14683.0
67.5°	717.2	737.8	918.5	1248.6	1398.0	1725.1	3897.2	9014.6	12893.1	14724.3
70°	513.8	525.6	674.9	972.6	1111.1	1036.4	2167.2	6894.5	11288.8	13596.5
72.5°	359.6	363.5	468.6	740.7	895.0	756.5	1031.5	4596.7	8538.1	10671.9
75°	243.6	248.5	315.4	543.3	718.1	577.7	546.2	2464.9	5012.2	5907.2
77.5°	149.3	151.3	203.4	371.3	537.4	440.1	351.7	1044.3	1939.3	1903.9
80°	84.5	84.5	129.7	230.9	366.4	283.9	246.6	444.0	614.0	539.3
82.5°	47.2	48.1	94.3	143.4	242.7	168.0	135.6	205.3	265.2	234.8
85°	19.6	21.6	58.0	67.8	115.9	83.5	55.0	86.5	98.2	87.4
87.5°	2.0	2.9	17.7	12.8	13.8	16.7	7.9	16.7	13.8	13.8
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°
2260.5	0°	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5	2260.5
2293.9	2.5°	2275.3	2260.5	2223.2	2180.0	2123.0	2095.5	2058.1	2032.6	2011.0	2012.9
2350.9	5°	2319.5	2282.1	2198.6	2094.5	1964.8	1872.5	1774.2	1706.4	1651.4	1639.6
2429.5	7.5°	2380.4	2321.4	2175.0	1987.4	1768.3	1602.3	1454.0	1358.7	1290.9	1269.3
2524.8	10°	2459.0	2373.5	2144.6	1852.8	1537.5	1326.2	1167.1	1092.4	1046.3	1030.5
2636.8	12.5°	2550.3	2433.4	2104.3	1688.8	1299.7	1096.4	995.2	957.8	943.1	938.2
2774.3	15°	2665.3	2508.1	2043.4	1494.2	1098.3	955.9	912.7	907.7	909.7	907.7
2939.4	17.5°	2801.8	2589.6	1944.2	1293.8	962.8	884.2	868.4	872.4	877.3	876.3
3124.0	20°	2951.1	2670.2	1817.4	1116.0	870.4	833.1	824.2	828.2	832.1	830.1
3337.2	22.5°	3121.1	2756.6	1677.0	977.5	808.5	785.9	776.1	777.1	777.1	773.2
3607.4	25°	3324.5	2851.9	1529.6	879.3	761.4	743.7	731.9	728.0	722.1	710.3
3935.5	27.5°	3567.1	2953.1	1388.1	810.5	724.0	707.3	693.6	683.8	669.0	649.4
4329.5	30°	3840.2	3075.9	1268.3	767.3	694.6	677.9	662.1	647.4	625.8	601.2
4782.3	32.5°	4161.5	3207.6	1180.9	738.8	668.0	650.4	631.7	614.0	590.4	565.9
5291.2	35°	4544.6	3366.7	1129.8	719.1	647.4	623.8	603.2	583.5	565.9	544.3
5844.3	37.5°	4960.2	3535.7	1114.0	709.3	633.7	597.3	573.7	560.0	558.0	545.2
6442.6	40°	5415.0	3736.1	1125.8	703.4	618.9	571.8	546.2	543.3	548.2	525.6
7082.2	42.5°	5896.4	3973.8	1145.5	696.5	598.3	546.2	521.7	521.7	517.7	486.3
7758.1	45°	6417.1	4247.9	1165.1	679.8	573.7	520.7	502.0	495.1	478.4	448.0
8437.9	47.5°	6941.7	4526.9	1179.9	649.4	544.3	499.1	482.4	466.6	442.1	414.6
9104.9	50°	7439.8	4777.4	1164.2	604.2	510.9	478.4	460.7	439.1	412.6	393.9
9736.6	52.5°	7884.8	4994.5	1097.3	551.1	475.5	456.8	441.1	418.5	396.9	377.2
10306.4	55°	8271.9	5170.4	979.5	501.0	444.0	438.2	422.4	393.9	364.5	347.8
10871.3	57.5°	8643.2	5304.0	832.1	459.8	415.6	417.5	393.9	368.4	340.9	323.2
11632.7	60°	9137.4	5482.8	682.8	421.5	385.1	391.0	365.5	346.8	312.4	289.8
12938.3	62.5°	9927.2	5760.8	542.3	374.3	349.7	351.7	340.9	318.3	277.0	250.5
13905.9	65°	10554.0	5658.7	427.3	323.2	309.5	312.4	312.4	287.8	243.6	213.2
13958.0	67.5°	10483.2	4845.2	340.9	273.1	271.1	273.1	280.0	259.4	216.1	191.6
12895.1	70°	9657.0	3854.0	273.1	226.9	235.8	230.9	250.5	236.8	194.5	170.0
9997.0	72.5°	7879.9	2776.3	208.3	187.6	180.8	188.6	226.0	213.2	162.1	134.6
5295.2	75°	4604.5	1481.5	155.2	148.3	130.7	157.2	200.4	181.7	123.8	99.2
1622.9	77.5°	1499.2	516.7	114.0	109.0	97.3	126.7	170.9	153.3	101.2	78.6
475.5	80°	401.8	156.2	77.6	71.7	62.9	94.3	135.6	121.8	72.7	51.1
204.3	82.5°	161.1	65.8	45.2	40.3	34.4	64.8	107.1	98.2	54.0	32.4
63.9	85°	52.1	21.6	16.7	12.8	15.7	40.3	63.9	66.8	38.3	16.7
9.8	87.5°	6.9	2.9	2.9	3.9	2.9	6.9	19.6	18.7	10.8	2.0
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°
2260.5
1993.3
1613.1
1247.7
1018.8
935.2
906.8
874.3
829.2
771.2
708.3
647.4
599.3
566.8
542.3
544.3
526.6
486.3
447.0
413.6
391.0
375.3
345.8
321.2
286.9
248.5
210.2
187.6
167.0
131.6
96.3
75.6
50.1
32.4
12.8
0.0
0.0

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