

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: P847485

Luminaire Tested: **GLAN-SB3C-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847485
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-SB3C-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 615mA 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: 13586 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

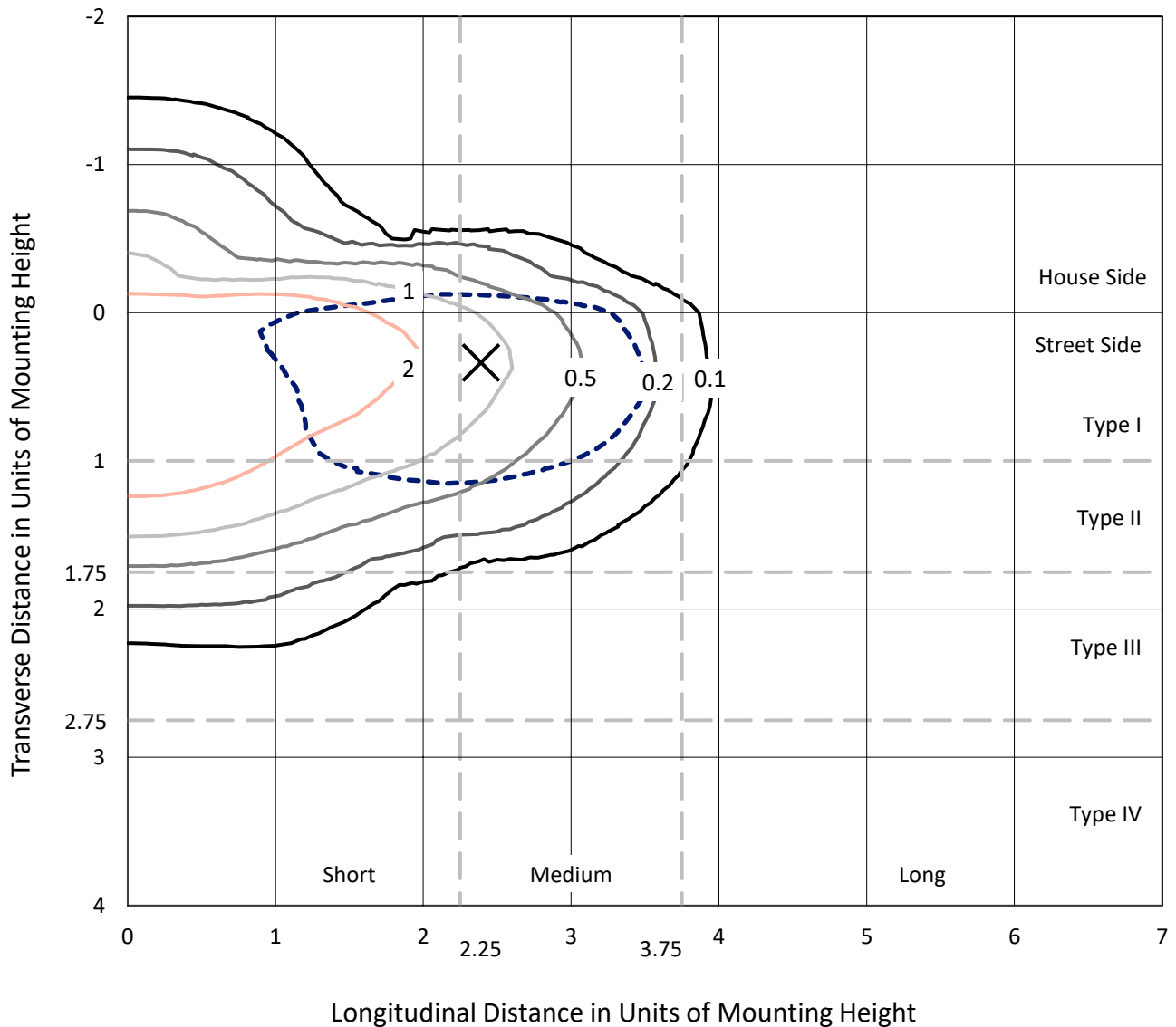
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

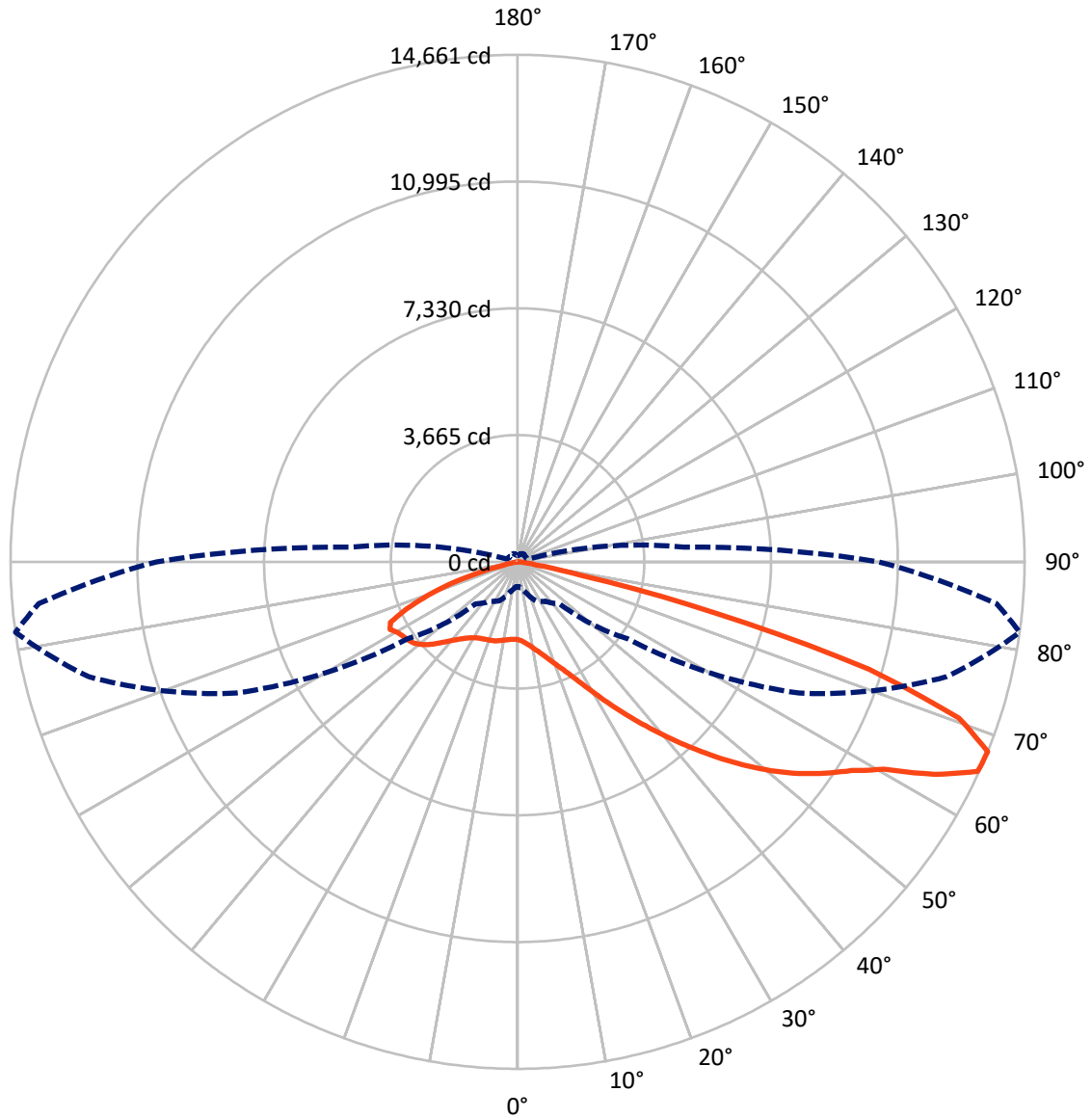
× Max cd
 - - - 1/2 Max cd



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	2461.0	0.0	2461.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11125.0	0.0	11125.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	13586.0	0.0	13586.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.5	1.5
10°-20°	521.1	3.8
20°-30°	834.6	6.1
30°-40°	1475.8	10.9
40°-50°	2585.8	19.0
50°-60°	3448.8	25.4
60°-70°	3210.6	23.6
70°-80°	1232.2	9.1
80°-90°	76.5	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°	13586.0	100.0
0°-180°	13586.0	100.0

Coefficient of Utilization

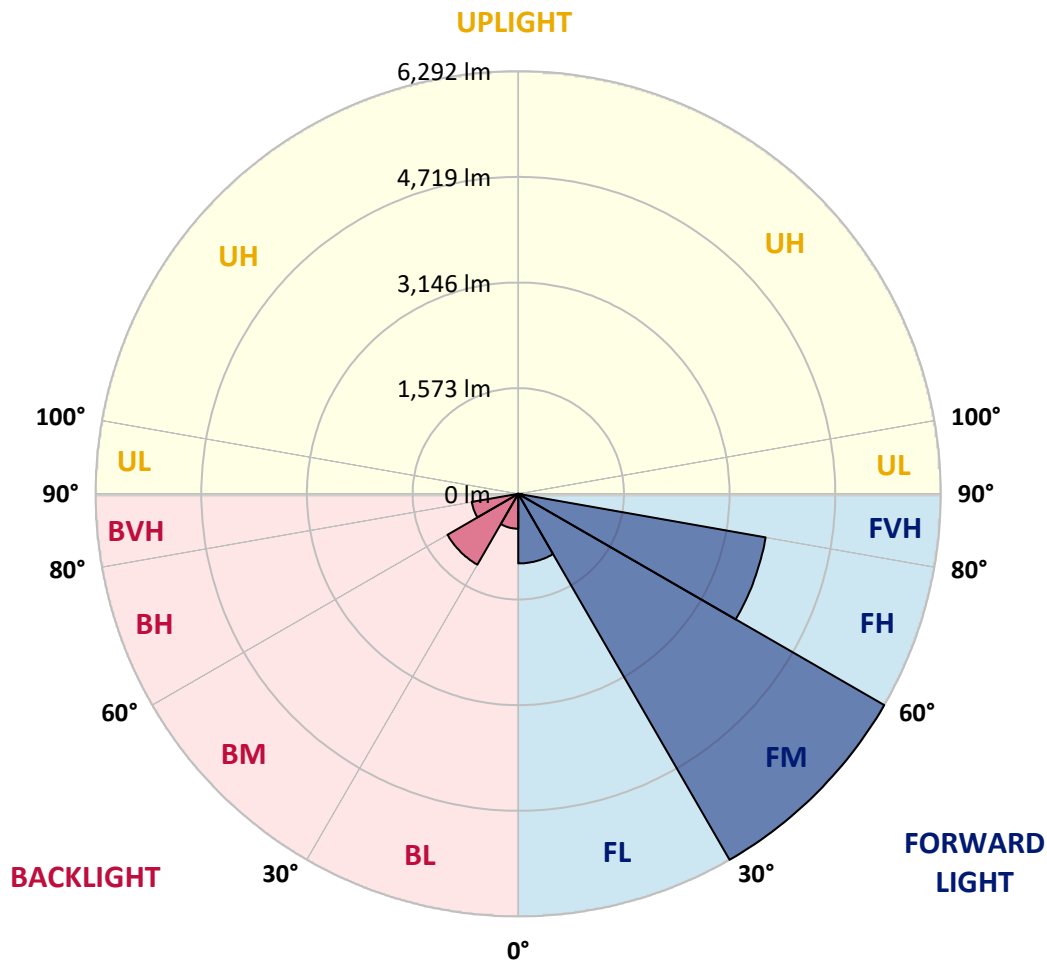


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1036.5	7.6			
FM (30°-60°)	6292.5	46.3			
FH (60°-80°)	3740.4	27.5			G2/5000
FVH (80°-90°)	55.6	0.4			G1/100
BL (0°-30°)	519.8	3.8	B2/1000		
BM (30°-60°)	1217.9	9.0	B2/2500		
BH (60°-80°)	702.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.9	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°	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7
2.5°	2378.9	2392.6	2384.7	2380.8	2374.0	2364.2	2356.4	2331.9	2306.5	2289.9
5°	2426.8	2440.5	2439.5	2443.4	2448.3	2451.3	2449.3	2421.9	2385.7	2357.4
7.5°	2385.7	2401.4	2414.1	2433.7	2467.9	2504.1	2521.7	2515.8	2478.7	2439.5
10°	2269.3	2286.0	2316.3	2362.3	2434.6	2512.9	2578.4	2608.7	2585.3	2542.2
12.5°	2056.1	2072.7	2132.4	2232.2	2353.4	2489.4	2614.6	2695.8	2701.7	2658.6
15°	1816.4	1833.1	1896.6	2021.9	2206.7	2424.9	2634.2	2787.7	2839.6	2802.4
17.5°	1667.8	1682.4	1730.4	1831.1	2023.8	2295.7	2627.3	2885.6	3003.9	2974.6
20°	1622.8	1635.5	1658.0	1728.4	1888.8	2161.7	2582.3	2977.5	3181.0	3164.3
22.5°	1670.7	1682.4	1689.3	1720.6	1821.3	2073.7	2525.6	3071.4	3386.4	3388.3
25°	1781.2	1793.0	1785.1	1804.7	1848.7	2046.3	2504.1	3181.9	3644.6	3666.1
27.5°	1963.2	1964.1	1945.6	1944.6	1951.4	2087.4	2526.6	3300.3	3970.3	4010.4
30°	2328.0	2313.3	2241.9	2164.7	2129.4	2210.6	2589.2	3440.2	4354.8	4426.2
32.5°	2890.5	2868.9	2737.9	2553.0	2367.1	2409.2	2701.7	3599.6	4773.4	4902.5
35°	3500.8	3495.0	3358.0	3083.2	2758.4	2691.9	2884.6	3808.9	5230.2	5435.6
37.5°	4068.2	4065.2	3987.0	3663.2	3268.0	3086.1	3178.0	4082.8	5719.3	6016.6
40°	4586.6	4595.4	4517.1	4227.6	3829.5	3591.8	3577.1	4421.3	6263.1	6649.5
42.5°	5034.6	5044.4	4965.1	4750.9	4384.1	4151.3	4067.2	4836.0	6794.3	7329.3
45°	5338.8	5399.4	5387.7	5216.5	4953.4	4711.8	4656.0	5356.4	7399.8	8050.2
47.5°	5424.9	5480.6	5568.7	5592.1	5431.7	5194.0	5260.5	5983.4	8012.1	8772.1
50°	5212.6	5264.4	5447.4	5690.9	5802.4	5729.1	5848.4	6655.4	8639.1	9492.0
52.5°	4793.9	4846.8	5077.6	5463.0	5917.9	6148.7	6438.2	7317.6	9246.5	10173.8
55°	4188.5	4244.2	4540.6	4976.9	5697.8	6321.8	6930.2	7978.8	9803.1	10787.1
57.5°	3364.9	3405.9	3714.1	4324.4	5144.1	6149.7	7293.1	8700.7	10327.4	11389.7
60°	2193.0	2229.2	2587.2	3268.0	4226.6	5574.5	7365.5	9505.7	11023.8	12173.2
62.5°	1458.4	1482.9	1695.1	2195.0	2976.5	4470.2	6942.0	10148.4	12045.0	13536.7
65°	1000.7	1025.1	1237.4	1585.6	1923.1	2957.0	5724.2	10063.3	12970.4	14619.5
67.5°	714.1	734.6	914.6	1243.2	1391.9	1717.6	3880.4	8975.6	12837.3	14660.6
70°	511.6	523.3	672.0	968.4	1106.3	1032.0	2157.8	6864.7	11240.0	13537.7
72.5°	358.0	361.9	466.6	737.5	891.1	753.2	1027.1	4576.8	8501.2	10625.7
75°	242.6	247.5	314.0	540.9	715.0	575.2	543.9	2454.2	4990.6	5881.7
77.5°	148.7	150.6	202.5	369.7	535.1	438.2	350.2	1039.8	1930.9	1895.7
80°	84.1	84.1	129.1	229.9	364.9	282.7	245.5	442.1	611.3	537.0
82.5°	47.0	47.9	93.9	142.8	241.6	167.3	135.0	204.4	264.1	233.8
85°	19.6	21.5	57.7	67.5	115.4	83.1	54.8	86.1	97.8	87.1
87.5°	2.0	2.9	17.6	12.7	13.7	16.6	7.8	16.6	13.7	13.7
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°
2250.7	0°	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7	2250.7
2284.0	2.5°	2265.4	2250.7	2213.6	2170.5	2113.8	2086.4	2049.2	2023.8	2002.3	2004.2
2340.7	5°	2309.4	2272.3	2189.1	2085.4	1956.3	1864.4	1766.6	1699.1	1644.3	1632.5
2419.0	7.5°	2370.1	2311.4	2165.6	1978.8	1760.7	1595.4	1447.7	1352.8	1285.3	1263.8
2513.9	10°	2448.3	2363.2	2135.3	1844.8	1530.8	1320.5	1162.1	1087.7	1041.7	1026.1
2625.4	12.5°	2539.3	2422.9	2095.2	1681.5	1294.1	1091.6	990.9	953.7	939.0	934.1
2762.3	15°	2653.7	2497.2	2034.6	1487.8	1093.6	951.7	908.7	903.8	905.8	903.8
2926.6	17.5°	2789.7	2578.4	1935.8	1288.2	958.6	880.3	864.7	868.6	873.5	872.5
3110.5	20°	2938.4	2658.6	1809.6	1111.2	866.6	829.5	820.7	824.6	828.5	826.5
3322.8	22.5°	3107.6	2744.7	1669.7	973.3	805.0	782.5	772.7	773.7	773.7	769.8
3591.8	25°	3310.1	2839.6	1523.0	875.5	758.1	740.5	728.7	724.8	718.9	707.2
3918.5	27.5°	3551.7	2940.3	1382.1	807.0	720.9	704.3	690.6	680.8	666.1	646.6
4310.7	30°	3823.6	3062.6	1262.8	763.9	691.6	674.9	659.3	644.6	623.1	598.6
4761.7	32.5°	4143.5	3193.7	1175.7	735.6	665.1	647.5	629.0	611.3	587.9	563.4
5268.4	35°	4525.0	3352.1	1124.9	716.0	644.6	621.1	600.6	581.0	563.4	541.9
5819.1	37.5°	4938.7	3520.4	1109.2	706.2	630.9	594.7	571.2	557.5	555.6	542.9
6414.8	40°	5391.6	3719.9	1121.0	700.4	616.2	569.3	543.9	540.9	545.8	523.3
7051.5	42.5°	5870.9	3956.6	1140.5	693.5	595.7	543.9	519.4	519.4	515.5	484.2
7724.5	45°	6389.3	4229.6	1160.1	676.9	571.2	518.4	499.8	493.0	476.4	446.0
8401.4	47.5°	6911.7	4507.3	1174.8	646.6	541.9	496.9	480.3	464.6	440.2	412.8
9065.6	50°	7407.6	4756.8	1159.1	601.6	508.6	476.4	458.8	437.2	410.8	392.2
9694.5	52.5°	7850.7	4973.0	1092.6	548.7	473.4	454.8	439.2	416.7	395.2	375.6
10261.9	55°	8236.1	5148.0	975.2	498.9	442.1	436.3	420.6	392.2	362.9	346.3
10824.3	57.5°	8605.8	5281.1	828.5	457.8	413.8	415.7	392.2	366.8	339.4	321.8
11582.4	60°	9097.8	5459.1	679.8	419.6	383.4	389.3	363.9	345.3	311.1	288.6
12882.3	62.5°	9884.3	5735.9	539.9	372.7	348.2	350.2	339.4	316.9	275.8	249.4
13845.8	65°	10508.3	5634.2	425.5	321.8	308.1	311.1	311.1	286.6	242.6	212.3
13897.7	67.5°	10437.9	4824.3	339.4	271.9	270.0	271.9	278.8	258.2	215.2	190.7
12839.3	70°	9615.3	3837.3	271.9	226.0	234.8	229.9	249.4	235.7	193.7	169.2
9953.7	72.5°	7845.8	2764.3	207.4	186.8	180.0	187.8	225.0	212.3	161.4	134.0
5272.3	75°	4584.6	1475.1	154.5	147.7	130.1	156.5	199.5	181.0	123.2	98.8
1615.9	77.5°	1492.7	514.5	113.5	108.6	96.8	126.2	170.2	152.6	100.8	78.3
473.4	80°	400.1	155.5	77.3	71.4	62.6	93.9	135.0	121.3	72.4	50.9
203.5	82.5°	160.4	65.5	45.0	40.1	34.2	64.6	106.6	97.8	53.8	32.3
63.6	85°	51.8	21.5	16.6	12.7	15.7	40.1	63.6	66.5	38.1	16.6
9.8	87.5°	6.8	2.9	2.9	3.9	2.9	6.8	19.6	18.6	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

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180°
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2250.7
1984.7
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