

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: P947652

Luminaire Tested: **GLAN-SB2D-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947652
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-940-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14412 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

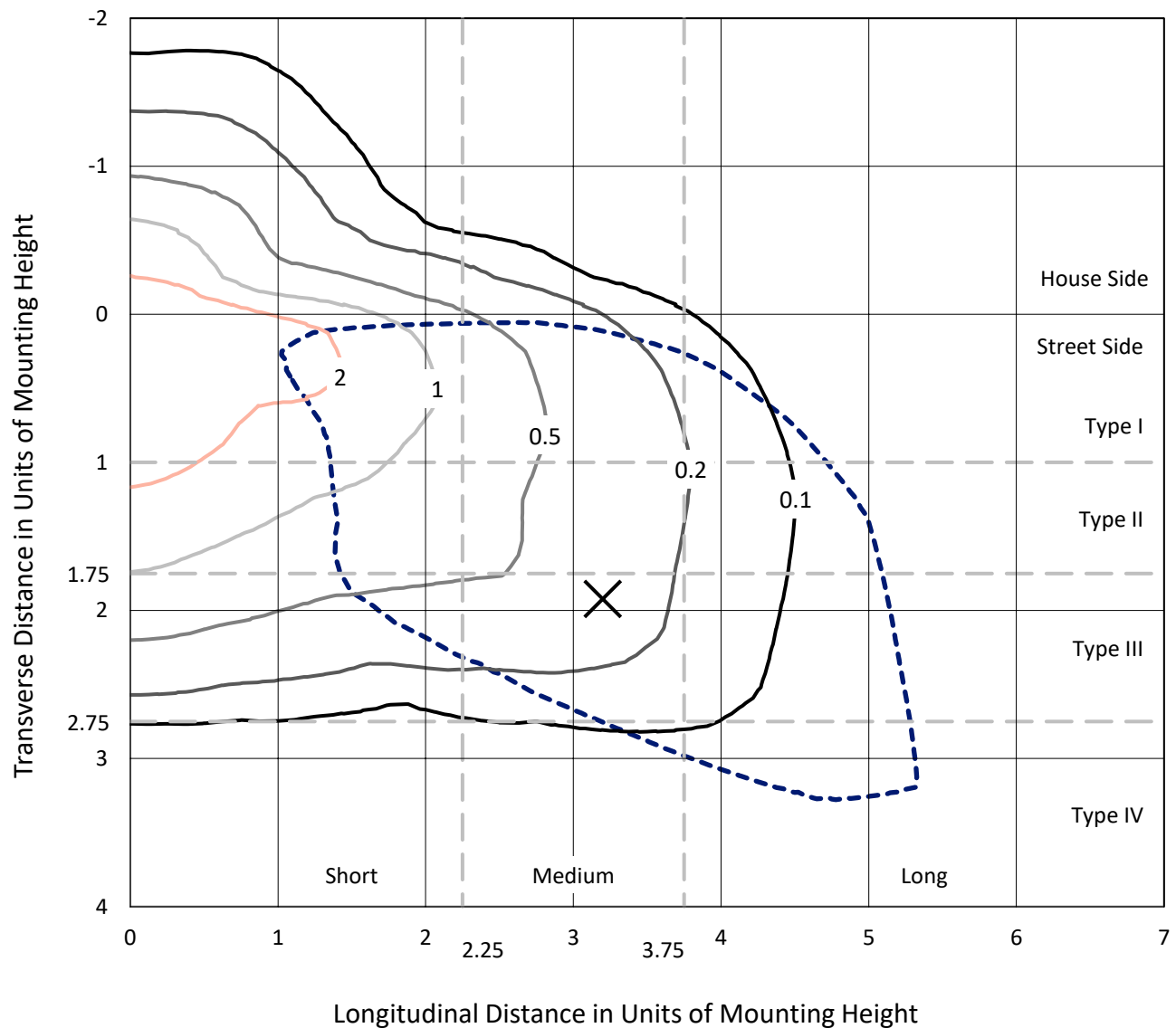
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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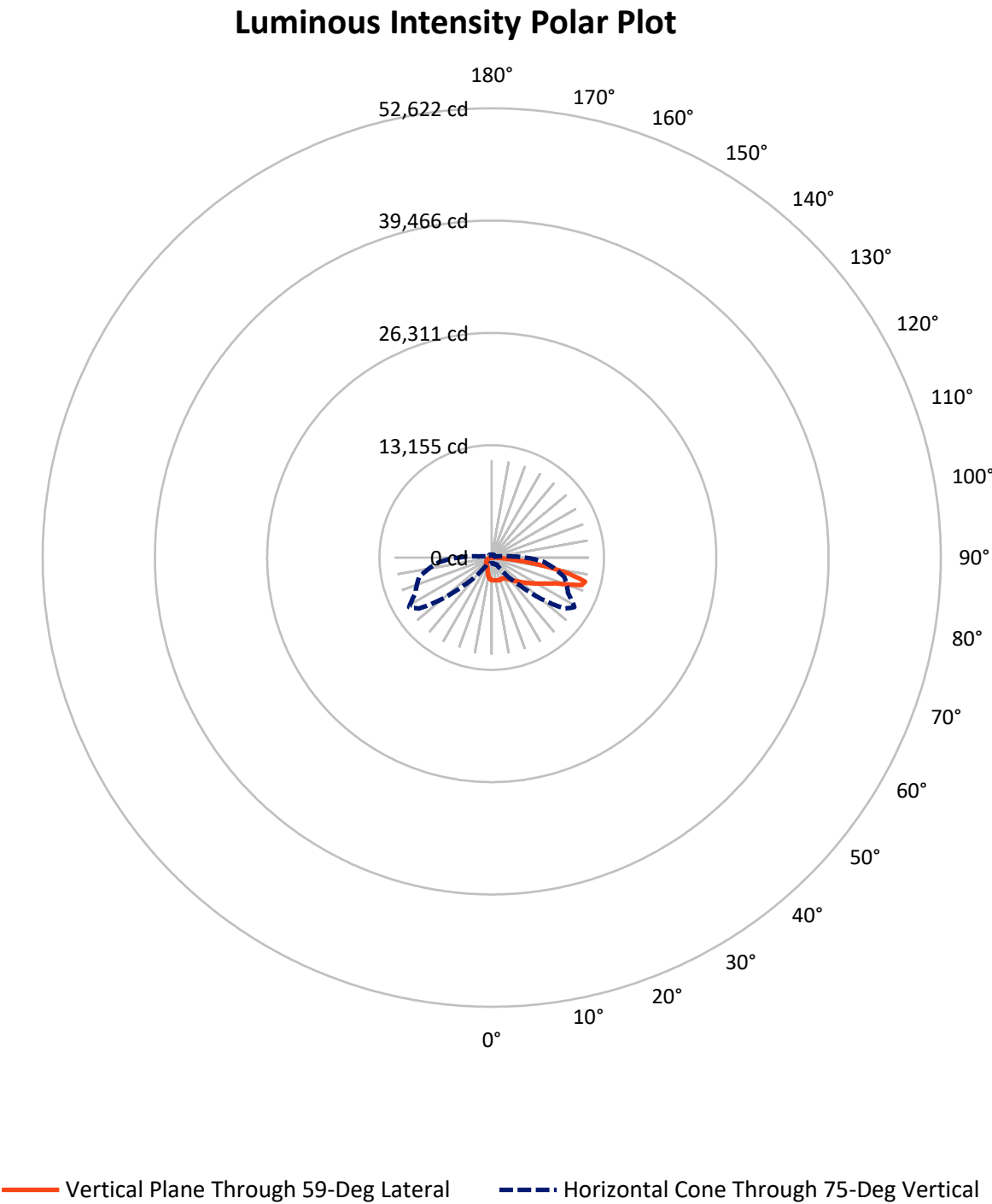
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2703.1	0.0	2703.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	11708.9	0.0	11708.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	14412.0	0.0	14412.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.2	1.6
10°-20°	606.3	4.2
20°-30°	920.9	6.4
30°-40°	1368.9	9.5
40°-50°	2035.8	14.1
50°-60°	2763.3	19.2
60°-70°	3373.5	23.4
70°-80°	2647.5	18.4
80°-90°	458.6	3.2
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°	14412.0	100.0
0°-180°	14412.0	100.0

Coefficient of Utilization



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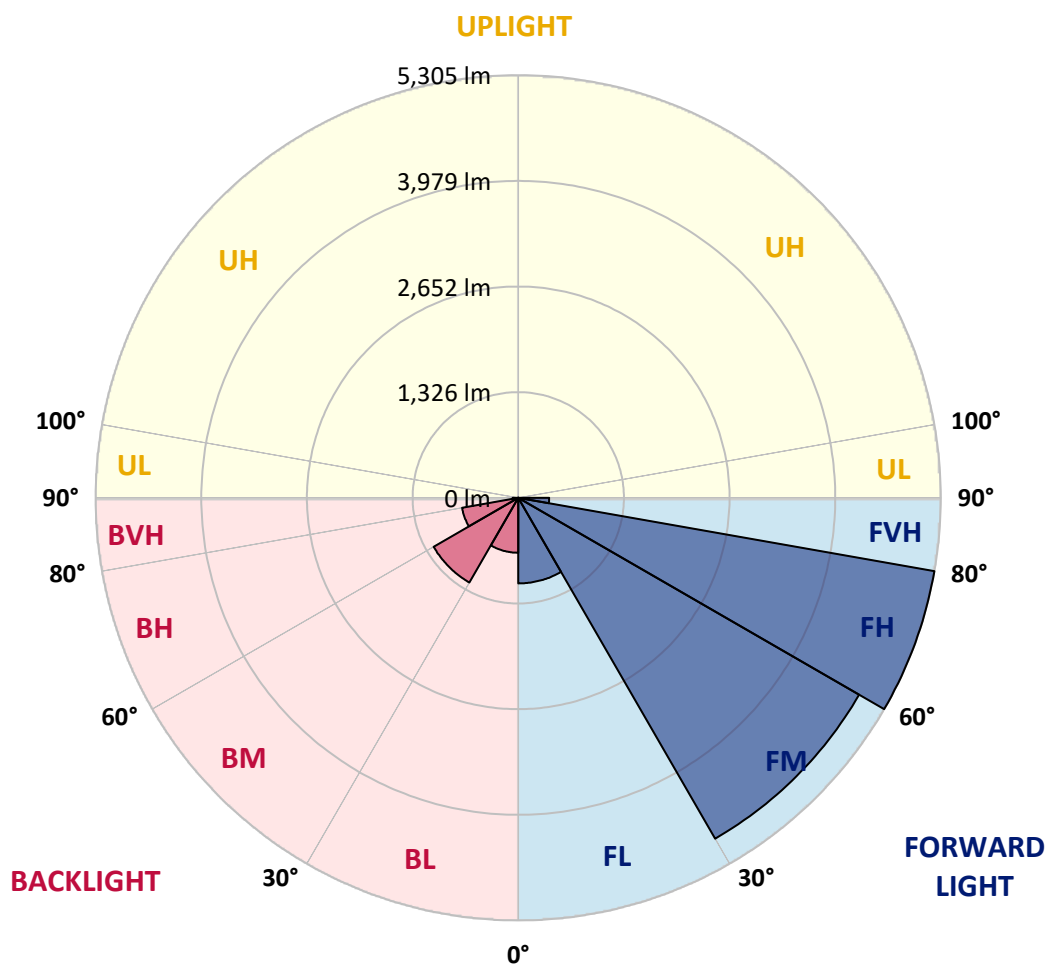
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1074.6	7.5			
FM	(30°-60°)	4941.0	34.3			
FH	(60°-80°)	5304.9	36.8			G3/7500
FVH	(80°-90°)	388.4	2.7			G3/500
BL	(0°-30°)	689.8	4.8	B2/1000		
BM	(30°-60°)	1226.9	8.5	B2/2500		
BH	(60°-80°)	716.2	5.0	B2/1000		G2/1000
BVH	(80°-90°)	70.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3
2.5°	2667.8	2658.5	2667.8	2663.9	2662.3	2659.2	2660.0	2665.4	2662.3	2666.2
5°	2649.9	2644.5	2653.8	2651.5	2661.6	2663.1	2673.2	2679.4	2683.3	2684.1
7.5°	2620.5	2615.1	2628.2	2639.1	2660.8	2667.0	2687.9	2698.0	2703.4	2712.7
10°	2512.7	2510.4	2543.0	2584.0	2635.2	2667.0	2698.8	2715.8	2724.4	2749.2
12.5°	2322.0	2325.1	2367.7	2446.8	2549.2	2651.5	2711.2	2736.0	2749.2	2780.2
15°	2139.8	2139.0	2185.5	2270.0	2413.5	2583.3	2717.4	2760.0	2782.5	2828.3
17.5°	2034.4	2031.3	2063.8	2128.2	2261.5	2478.6	2701.9	2773.2	2821.3	2878.7
20°	2015.0	2008.8	2025.8	2057.6	2152.2	2363.9	2661.6	2773.2	2852.3	2926.7
22.5°	2085.5	2075.5	2068.5	2064.6	2106.5	2269.3	2615.8	2763.9	2898.0	2995.7
25°	2227.4	2211.9	2176.2	2141.4	2128.9	2226.6	2575.5	2761.6	2966.3	3088.8
27.5°	2456.9	2437.5	2365.4	2281.7	2206.5	2248.3	2557.7	2775.5	3041.5	3187.2
30°	2741.4	2720.5	2629.8	2501.1	2366.2	2329.0	2580.2	2816.6	3137.6	3318.2
32.5°	2996.5	2973.2	2895.7	2764.7	2582.5	2468.5	2651.5	2894.9	3288.8	3500.4
35°	3222.9	3195.7	3126.0	3005.0	2847.6	2664.7	2780.2	3033.7	3503.5	3796.6
37.5°	3444.6	3412.8	3336.8	3208.9	3098.8	2925.9	2957.7	3212.0	3788.8	4156.3
40°	3692.7	3647.0	3554.7	3428.3	3321.3	3232.2	3191.1	3430.7	4078.8	4557.9
42.5°	3933.0	3889.6	3779.5	3671.8	3537.6	3512.1	3461.7	3686.5	4395.9	4999.1
45°	4192.0	4140.1	4006.7	3870.2	3785.7	3698.1	3723.7	3942.4	4706.8	5448.7
47.5°	4434.7	4376.5	4219.1	4067.2	4020.7	3854.7	3964.1	4223.8	5030.1	5904.6
50°	4565.7	4508.3	4377.3	4240.1	4203.6	4047.8	4224.6	4533.1	5368.9	6358.9
52.5°	4675.0	4613.0	4441.6	4365.7	4354.8	4257.9	4545.5	4886.7	5707.7	6760.5
55°	4791.3	4722.3	4503.7	4435.4	4485.1	4493.6	4926.2	5287.5	6065.9	7152.1
57.5°	4925.4	4837.8	4563.4	4494.4	4612.2	4769.6	5363.5	5703.0	6417.9	7514.9
60°	5051.8	4963.4	4678.1	4588.2	4749.4	5089.8	5865.1	6206.2	6816.4	7838.2
62.5°	5076.6	5003.7	4769.6	4768.8	4935.5	5463.5	6458.9	6714.0	7164.5	8157.6
65°	4647.1	4601.3	4462.6	4761.8	5202.2	6001.5	7120.3	7363.7	7607.1	8436.7
67.5°	3536.9	3543.1	3533.0	4110.6	4986.7	6774.5	8077.7	8059.1	8153.7	8749.9
70°	1617.3	1653.7	1890.9	2837.6	3995.1	6863.6	9660.9	9419.8	8839.9	9155.4
72.5°	873.8	901.7	998.6	1374.6	2401.8	6102.3	10844.0	11015.3	9752.4	9428.3
75°	641.2	656.7	724.1	873.8	1008.7	4535.4	10419.9	11299.1	9866.3	8791.8
77.5°	479.9	486.9	541.9	692.3	516.3	2391.0	8325.8	9357.8	8446.0	7223.4
80°	348.1	355.9	396.9	519.4	362.1	874.5	5717.0	6568.3	5784.4	4604.4
82.5°	240.3	243.4	261.3	353.5	252.7	339.6	3243.8	3851.6	3229.1	1615.7
85°	145.0	148.9	156.6	206.2	143.4	161.3	1400.2	1448.2	965.2	386.1
87.5°	59.7	63.6	69.8	86.8	56.6	45.0	231.0	290.0	180.6	113.2
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°
2645.3	0°	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3	2645.3
2653.0	2.5°	2649.2	2643.7	2629.0	2608.9	2590.2	2567.0	2556.9	2548.4	2540.6	2525.9
2674.0	5°	2665.4	2650.7	2611.2	2560.0	2501.9	2438.3	2376.3	2333.6	2297.2	2270.0
2698.0	7.5°	2690.3	2662.3	2590.2	2485.6	2352.2	2215.8	2092.5	2004.9	1939.0	1915.0
2732.1	10°	2715.8	2682.5	2556.9	2372.4	2142.1	1932.0	1768.4	1678.5	1625.8	1608.7
2772.4	12.5°	2746.1	2697.2	2505.0	2215.0	1907.2	1677.0	1534.3	1481.6	1454.4	1445.1
2822.1	15°	2790.3	2709.6	2426.7	2018.1	1683.2	1490.9	1398.6	1362.2	1348.2	1347.5
2873.2	17.5°	2823.6	2712.0	2304.9	1807.2	1511.0	1378.5	1302.5	1288.5	1297.8	1311.8
2923.6	20°	2860.8	2691.0	2145.2	1614.9	1390.1	1280.0	1248.2	1257.5	1280.0	1300.2
2990.3	22.5°	2887.2	2653.0	1952.2	1465.3	1285.4	1223.4	1221.9	1241.2	1253.6	1263.7
3068.6	25°	2910.4	2588.7	1747.5	1339.7	1199.4	1189.3	1206.4	1200.1	1191.6	1200.1
3146.9	27.5°	2927.5	2487.1	1564.5	1229.6	1138.9	1166.0	1156.0	1142.0	1141.2	1145.9
3239.2	30°	2922.1	2351.5	1414.1	1124.9	1096.3	1122.6	1098.6	1096.3	1093.9	1096.3
3377.9	32.5°	2922.1	2197.2	1298.6	1052.8	1069.1	1059.0	1056.7	1051.3	1042.0	1041.2
3566.3	35°	2938.4	2042.9	1199.4	1014.1	1046.6	1022.6	1024.2	1011.0	991.6	982.3
3816.0	37.5°	2971.7	1918.8	1100.9	995.5	1007.1	1006.3	1000.1	977.6	943.5	914.1
4127.6	40°	3052.3	1882.4	1033.5	986.9	988.5	997.8	981.5	938.1	860.6	812.5
4444.0	42.5°	3178.7	1943.7	1018.7	966.0	976.1	985.4	953.6	852.8	797.8	769.1
4775.8	45°	3339.2	2050.6	1050.5	935.8	946.6	962.9	868.3	820.3	795.4	796.2
5104.5	47.5°	3542.3	2163.1	1109.4	909.4	904.0	913.3	811.7	782.3	748.2	756.7
5420.1	50°	3777.2	2277.0	1165.3	873.8	856.7	826.5	775.3	747.4	704.0	683.8
5724.7	52.5°	4031.5	2387.1	1187.7	830.3	805.5	770.6	750.5	716.4	663.6	630.3
6012.4	55°	4272.6	2487.1	1162.9	778.4	754.4	727.2	724.1	703.2	646.6	600.1
6268.2	57.5°	4500.6	2570.9	1100.9	725.7	702.4	686.1	707.1	697.0	625.7	566.0
6510.1	60°	4693.6	2628.2	1011.0	672.2	655.9	647.4	679.2	676.1	596.2	529.5
6727.2	62.5°	4847.1	2650.7	911.7	621.0	617.1	601.6	640.4	640.4	559.0	493.9
6917.9	65°	4967.3	2629.0	811.0	570.6	578.4	555.1	593.1	588.4	519.4	462.1
7137.3	67.5°	5073.5	2557.7	699.3	521.0	538.8	509.4	543.5	532.6	476.0	430.3
7327.3	70°	5120.8	2391.8	572.2	471.4	493.1	464.4	493.9	473.7	427.2	396.2
7118.7	72.5°	4740.9	1987.8	450.4	419.4	438.0	414.8	440.4	417.1	374.5	360.5
6147.3	75°	3922.2	1491.7	346.6	362.8	376.8	359.0	376.0	359.0	320.2	330.3
4540.9	77.5°	2848.4	1007.1	265.1	303.1	309.3	300.0	314.8	295.4	260.5	258.2
2263.1	80°	1416.5	590.0	207.8	239.6	237.2	231.0	248.1	238.8	209.3	221.7
610.9	82.5°	410.1	252.7	151.2	168.2	163.6	165.1	177.5	182.2	272.9	270.6
189.9	85°	128.7	99.2	90.7	93.8	89.2	91.5	104.7	207.8	192.3	112.4
58.9	87.5°	33.3	34.1	22.5	24.0	24.8	29.5	33.3	126.4	60.5	39.5
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°
2645.3
2518.9
2247.6
1873.1
1582.4
1447.5
1350.6
1317.2
1307.1
1269.2
1205.6
1153.6
1104.8
1051.3
991.6
924.1
818.7
769.1
800.1
778.4
689.2
629.5
600.1
562.9
527.2
491.5
459.0
427.2
390.0
348.9
301.6
246.5
219.4
276.8
121.7
41.9
0.0