

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: P948924

Luminaire Tested: **GLAN-SB3D-827-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-827-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26498 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1
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



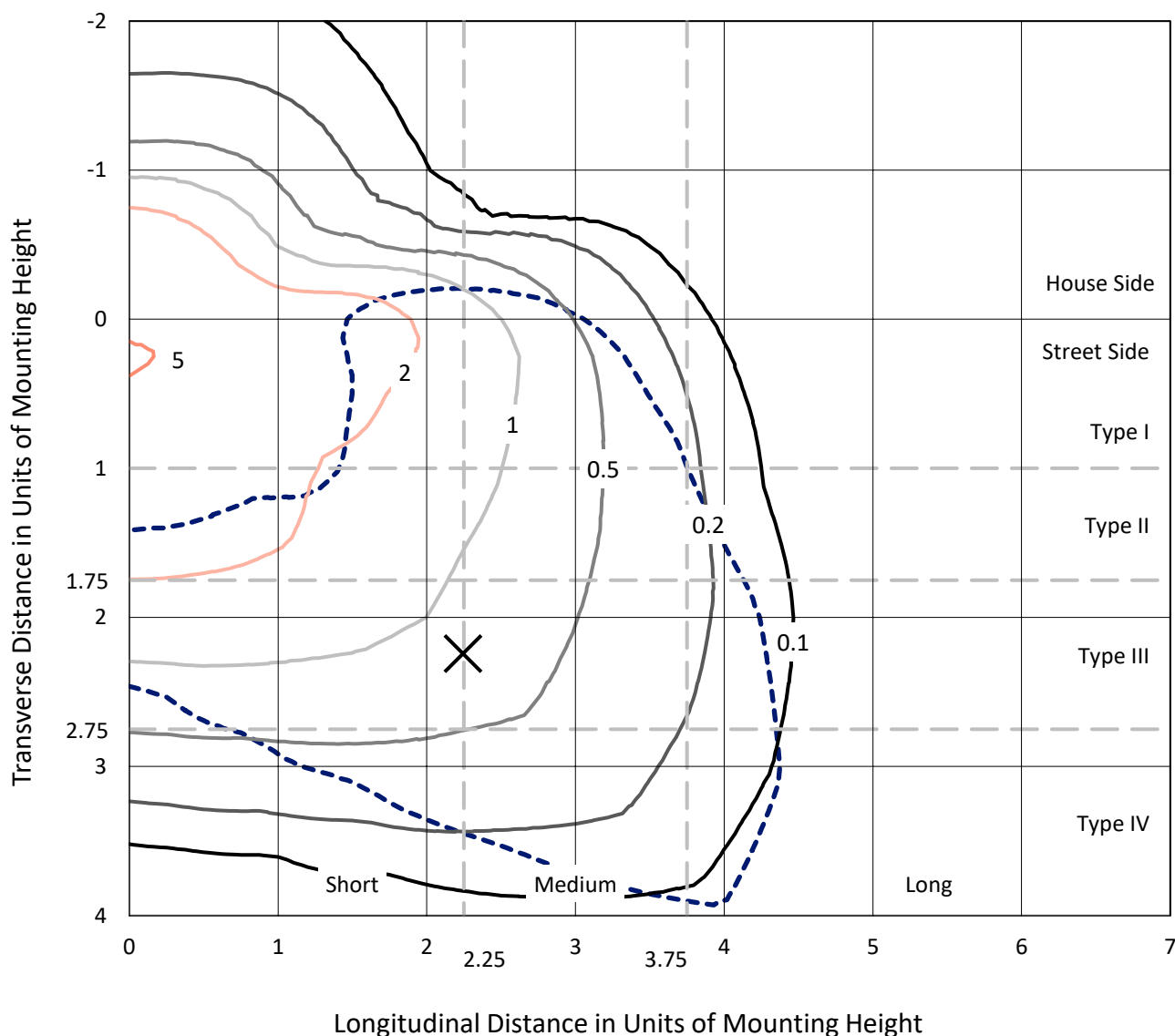
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

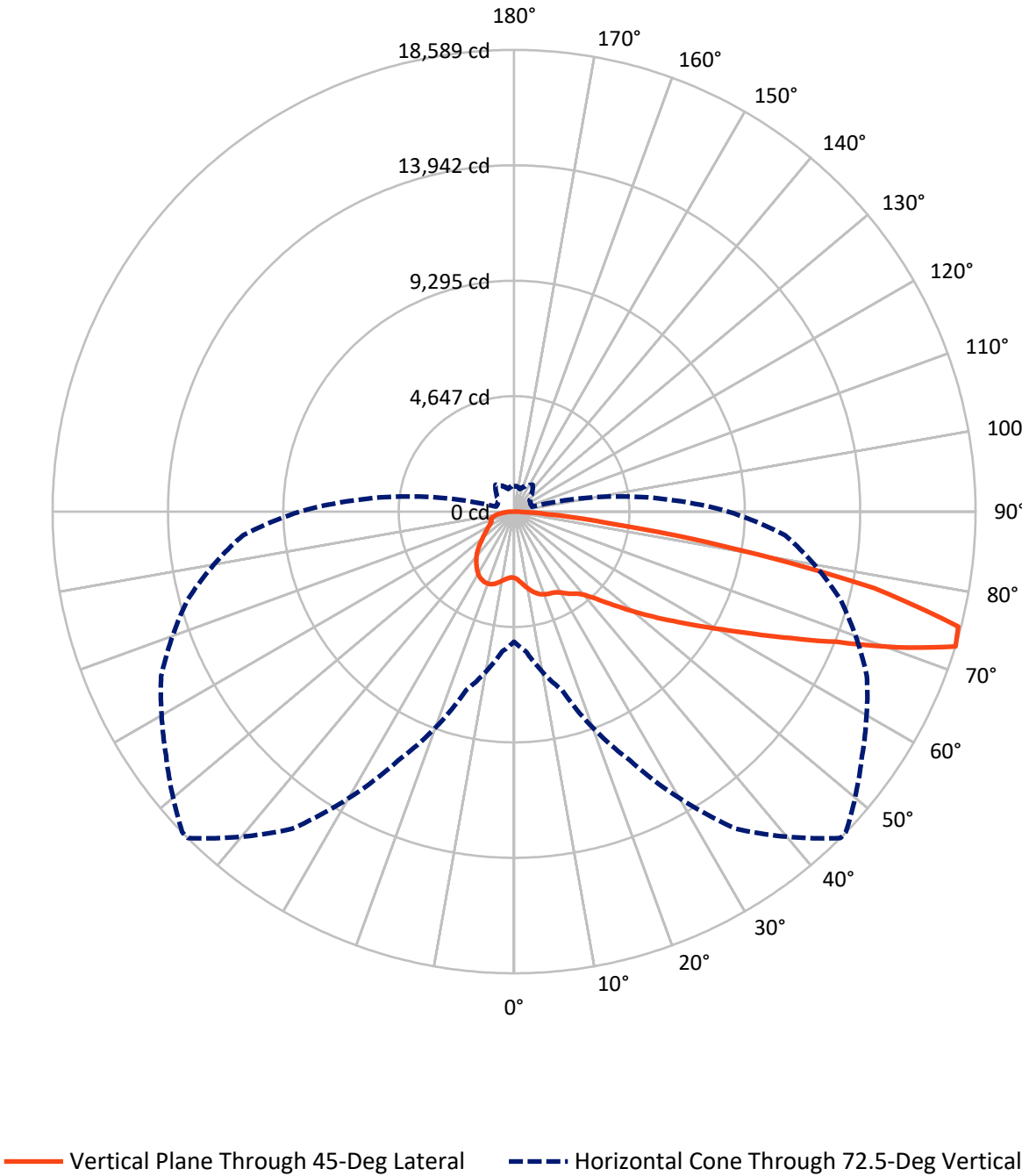


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5990.3	0.0	5990.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	20507.7	0.0	20507.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	26498.0	0.0	26498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.1	1.0
10°-20°	907.1	3.4
20°-30°	1578.0	6.0
30°-40°	2262.1	8.5
40°-50°	3185.2	12.0
50°-60°	4878.8	18.4
60°-70°	7067.7	26.7
70°-80°	5644.0	21.3
80°-90°	702.9	2.7
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°	26498.0	100.0
0°-180°	26498.0	100.0

Coefficient of Utilization



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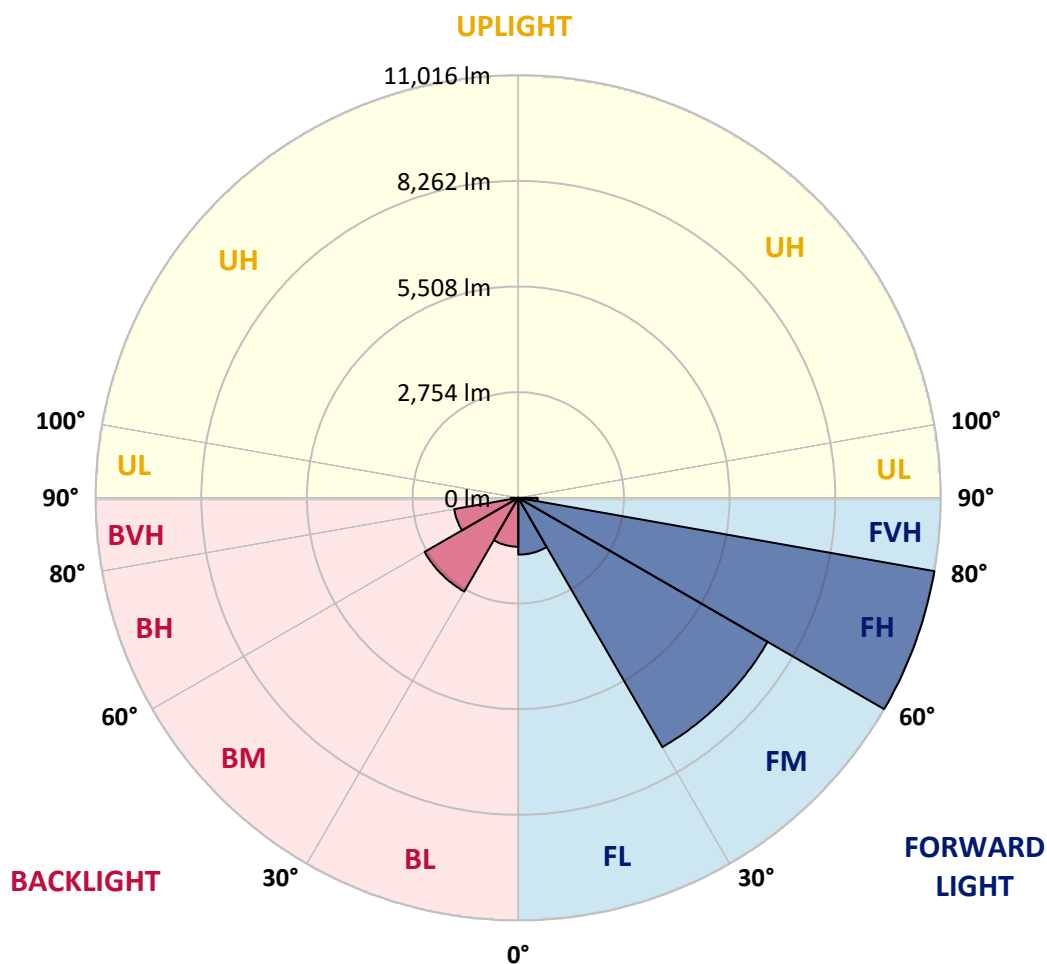
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1481.8	5.6			
FM	(30°-60°)	7505.6	28.3			
FH	(60°-80°)	11016.0	41.6			G4/12000
FVH	(80°-90°)	504.3	1.9			G4/750
BL	(0°-30°)	1275.4	4.8	B3/2500		
BM	(30°-60°)	2820.6	10.6	B3/5000		
BH	(60°-80°)	1695.7	6.4	B3/2500		G3/2500
BVH	(80°-90°)	198.6	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1
2.5°	2777.8	2796.0	2779.2	2763.9	2756.9	2738.7	2737.3	2726.2	2719.2	2699.7
5°	2971.9	2995.6	2967.7	2937.0	2909.0	2864.4	2858.8	2826.7	2790.4	2748.5
7.5°	3191.0	3211.9	3179.8	3133.8	3084.9	3010.9	3009.5	2950.9	2893.7	2822.5
10°	3382.2	3410.2	3366.9	3304.1	3242.7	3158.9	3149.1	3082.1	3009.5	2917.4
12.5°	3551.1	3570.7	3528.8	3452.0	3380.8	3297.1	3284.5	3210.6	3129.6	3024.9
15°	3685.2	3710.3	3654.4	3572.1	3496.7	3414.4	3403.2	3336.2	3255.2	3144.9
17.5°	3773.1	3794.0	3736.8	3644.7	3572.1	3503.7	3495.3	3439.5	3368.3	3256.6
20°	3806.6	3828.9	3768.9	3675.4	3608.4	3555.3	3551.1	3510.7	3461.8	3359.9
22.5°	3840.1	3861.0	3782.9	3685.2	3626.5	3593.0	3591.6	3565.1	3545.6	3461.8
25°	3975.5	3981.1	3876.4	3735.4	3651.7	3622.3	3620.9	3619.5	3627.9	3562.3
27.5°	4092.8	4091.4	4002.0	3869.4	3739.6	3678.2	3676.8	3690.7	3717.3	3662.8
30°	4264.4	4249.1	4143.0	4004.8	3886.2	3791.2	3782.9	3770.3	3791.2	3748.0
32.5°	4628.8	4579.9	4408.2	4162.5	4007.6	3935.0	3923.9	3845.7	3854.1	3827.5
35°	5150.8	5086.6	4857.7	4461.3	4158.4	4055.1	4049.5	3950.4	3933.6	3909.9
37.5°	5772.0	5692.4	5425.8	4894.0	4418.0	4194.7	4186.3	4096.9	4028.5	4003.4
40°	6396.0	6295.5	6074.9	5421.6	4800.5	4427.8	4401.2	4265.8	4187.7	4145.8
42.5°	7001.8	6918.0	6729.6	6013.5	5272.3	4768.4	4709.7	4478.0	4419.4	4380.3
45°	7537.8	7462.4	7324.2	6645.8	5825.1	5231.8	5174.6	4796.3	4778.1	4778.1
47.5°	7973.3	7956.6	7810.0	7290.7	6476.9	5759.4	5660.3	5238.8	5287.6	5363.0
50°	8456.3	8410.2	8253.9	7925.9	7243.3	6363.9	6282.9	5781.8	5964.6	6171.2
52.5°	8900.2	8925.3	8750.8	8587.5	8108.7	7038.1	6895.7	6422.5	6817.5	7159.5
55°	9356.7	9358.1	9309.2	9286.9	9016.1	7783.5	7627.2	7193.0	7821.2	8245.5
57.5°	9785.2	9788.0	9860.6	10057.4	10068.6	8643.4	8466.1	8139.4	8936.5	9369.2
60°	10167.7	10187.2	10385.4	10846.1	10994.0	9628.9	9461.4	9257.6	10089.5	10525.0
62.5°	10296.1	10367.3	10808.4	11463.1	11908.4	10837.7	10673.0	10551.5	11301.1	11705.9
65°	10078.3	10241.7	11094.5	11972.6	12849.2	12274.1	12110.8	11978.1	12560.2	12941.3
67.5°	9543.7	9754.5	11077.8	12507.2	13991.0	14002.2	13850.0	13538.8	13910.1	14056.6
70°	8135.3	8450.7	10102.1	12706.8	15301.8	16365.4	16218.9	15417.6	15257.1	14548.0
72.5°	5241.6	5665.9	7438.7	11063.8	15593.5	18589.1	18580.7	17113.6	15682.8	13593.2
75°	1912.4	2172.0	3456.2	6944.6	13089.3	18476.0	18530.5	16823.3	14316.3	10499.9
77.5°	696.5	762.2	1127.9	2668.9	8050.1	14824.4	14937.4	13449.4	10190.0	5269.5
80°	365.7	402.0	577.9	1035.8	3449.2	8803.9	8981.2	7992.9	4789.3	1587.1
82.5°	202.4	219.2	323.8	562.5	1553.6	3764.7	3870.8	3157.5	1684.8	672.8
85°	108.9	115.9	152.2	307.1	759.4	1305.2	1334.5	943.6	671.4	395.0
87.5°	32.1	39.1	50.3	97.7	297.3	293.1	300.1	187.0	265.2	199.6
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°
2673.1	0°	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1	2673.1
2694.1	2.5°	2685.7	2681.5	2666.2	2659.2	2650.8	2649.4	2656.4	2657.8	2659.2	2660.6
2724.8	5°	2710.8	2696.9	2682.9	2674.5	2677.3	2678.7	2692.7	2702.4	2709.4	2715.0
2782.0	7.5°	2759.7	2748.5	2724.8	2723.4	2727.6	2740.1	2758.3	2780.6	2793.2	2803.0
2856.0	10°	2832.3	2811.3	2783.4	2787.6	2796.0	2814.1	2851.8	2870.0	2890.9	2909.0
2946.7	12.5°	2906.2	2888.1	2856.0	2858.8	2872.7	2904.9	2941.1	2963.5	2977.4	2991.4
3044.4	15°	3002.6	2970.5	2935.6	2935.6	2960.7	2995.6	3012.3	3030.5	3038.9	3054.2
3149.1	17.5°	3101.7	3059.8	3013.7	3010.9	3041.6	3058.4	3068.2	3071.0	3073.8	3090.5
3251.0	20°	3200.8	3154.7	3089.1	3083.5	3090.5	3087.7	3086.3	3083.5	3087.7	3108.7
3355.7	22.5°	3298.5	3245.4	3154.7	3129.6	3110.0	3083.5	3082.1	3080.7	3083.5	3104.5
3468.8	25°	3413.0	3348.7	3227.3	3151.9	3086.3	3050.0	3054.2	3055.6	3058.4	3075.1
3586.0	27.5°	3537.2	3466.0	3294.3	3144.9	3026.3	3001.2	2994.2	2998.4	3008.1	3034.7
3703.3	30°	3661.4	3577.7	3355.7	3117.0	2950.9	2916.0	2893.7	2903.5	2934.2	2960.7
3805.2	32.5°	3774.5	3690.7	3404.6	3055.6	2854.6	2800.2	2770.8	2783.4	2814.1	2823.9
3918.3	35°	3907.1	3812.2	3425.5	2957.9	2749.9	2666.2	2627.1	2608.9	2624.3	2614.5
4050.9	37.5°	4055.1	3956.0	3422.7	2829.5	2627.1	2530.8	2476.3	2407.9	2375.8	2342.3
4246.3	40°	4274.2	4131.8	3389.2	2674.5	2474.9	2387.0	2289.3	2173.4	2100.8	2035.2
4561.8	42.5°	4572.9	4376.1	3327.8	2504.2	2303.2	2220.9	2088.3	1952.9	1838.4	1729.5
5040.6	45°	5018.2	4695.8	3251.0	2322.8	2117.6	2036.6	1892.8	1740.7	1610.9	1471.3
5720.4	47.5°	5660.3	5125.7	3178.4	2116.2	1922.1	1848.2	1718.3	1577.4	1423.8	1288.4
6703.1	50°	6542.5	5742.7	3111.4	1915.2	1729.5	1673.7	1570.4	1426.6	1271.7	1162.8
7854.7	52.5°	7664.8	6581.6	3083.5	1721.1	1549.4	1528.5	1446.1	1312.1	1165.6	1073.4
9197.5	55°	8953.2	7585.3	3083.5	1535.5	1391.7	1398.7	1341.5	1217.2	1090.2	1007.8
10582.3	57.5°	10268.2	8601.5	3027.7	1363.8	1257.7	1287.0	1250.7	1141.8	1027.4	942.2
12038.2	60°	11479.8	9453.0	2801.6	1207.4	1139.0	1185.1	1161.4	1067.9	928.3	857.1
13255.4	62.5°	12410.9	9933.2	2366.0	1083.2	1041.3	1094.4	1081.8	970.1	910.1	880.8
14254.8	65°	12877.1	9855.0	1809.1	972.9	959.0	1041.3	1014.8	1010.6	963.2	929.7
14580.1	67.5°	12590.9	9182.2	1312.1	892.0	911.5	992.5	1094.4	1111.1	1023.2	957.6
13664.4	70°	11336.0	7965.0	977.1	815.2	851.5	993.9	1247.9	1162.8	1003.6	926.9
10959.1	72.5°	8623.8	5939.5	758.0	734.2	773.3	1000.9	1316.3	1139.0	947.8	1024.6
6827.3	75°	4931.7	3260.8	608.6	635.1	675.6	935.2	1281.4	1077.6	904.5	940.8
2705.2	77.5°	1880.3	1253.5	502.5	537.4	543.0	816.6	1225.6	1073.4	861.3	840.3
811.0	80°	651.9	490.0	416.0	427.1	420.2	725.9	1175.3	933.9	704.9	630.9
335.0	82.5°	266.6	244.3	329.4	315.5	298.7	563.9	949.2	763.6	576.5	509.5
161.9	85°	115.9	154.9	217.8	191.2	173.1	390.8	760.8	646.3	487.2	420.2
53.0	87.5°	23.7	58.6	92.1	86.5	89.3	261.0	540.2	459.2	344.8	258.2
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°
2673.1
2666.2
2717.8
2805.7
2904.9
2997.0
3059.8
3096.1
3117.0
3118.4
3097.5
3061.2
2990.0
2858.8
2645.2
2363.2
2039.4
1719.7
1454.5
1273.1
1155.8
1066.5
999.5
928.3
845.9
871.0
918.5
946.4
914.3
1016.2
940.8
766.3
610.0
503.9
418.8
202.4
0.0