

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: P943038

Luminaire Tested: **GLAN-SB7B-827-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26366 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

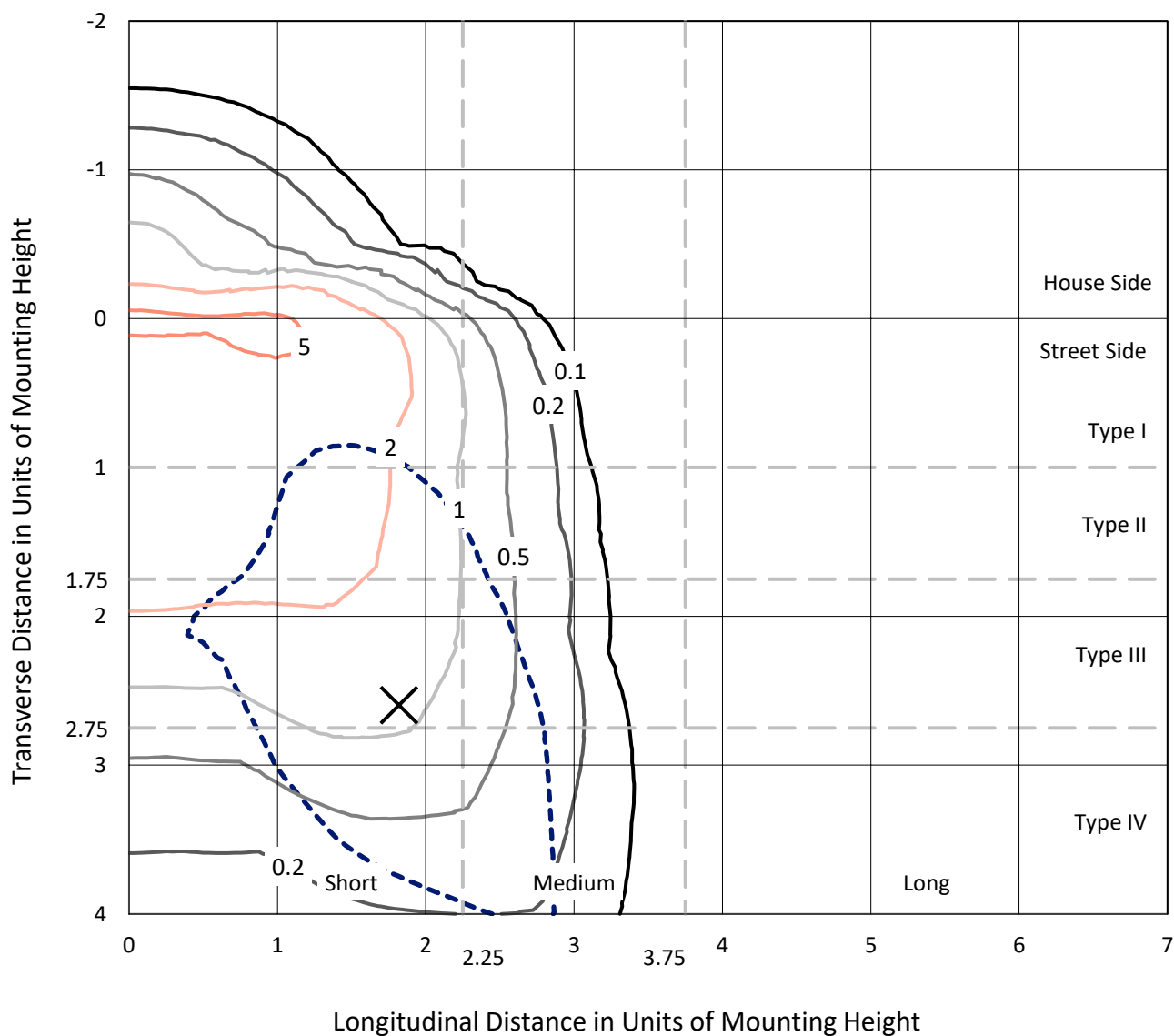
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

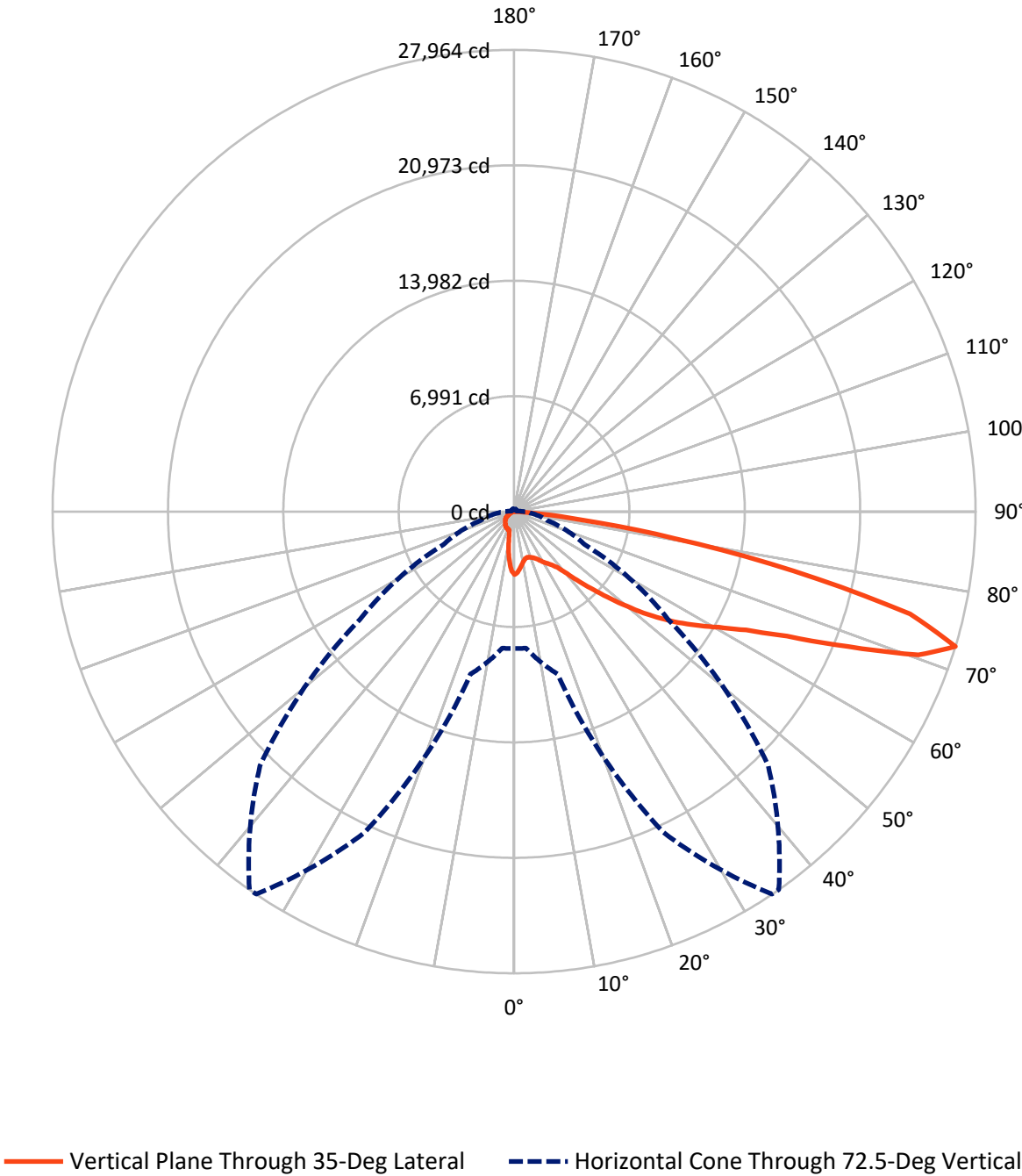
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2967.4	0.0	2967.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	23398.6	0.0	23398.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	26366.0	0.0	26366.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.0	1.2
10°-20°	734.6	2.8
20°-30°	1193.3	4.5
30°-40°	1991.0	7.6
40°-50°	3767.1	14.3
50°-60°	5985.9	22.7
60°-70°	7405.0	28.1
70°-80°	4603.0	17.5
80°-90°	372.0	1.4
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°	26366.0	100.0
0°-180°	26366.0	100.0

Coefficient of Utilization



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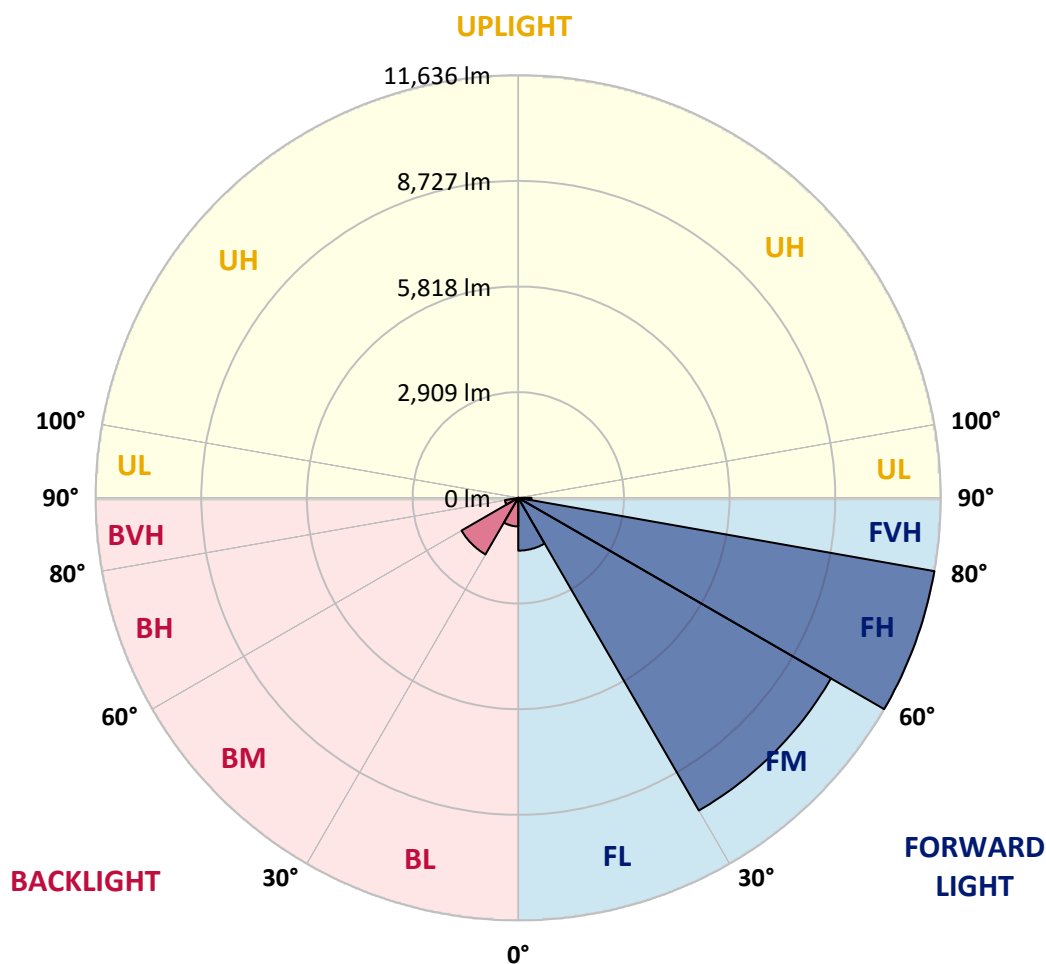
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1453.4	5.5			
FM	(30°-60°)	9942.6	37.7			
FH	(60°-80°)	11635.6	44.1			G4/12000
FVH	(80°-90°)	366.9	1.4			G3/500
BL	(0°-30°)	788.5	3.0	B2/1000		
BM	(30°-60°)	1801.5	6.8	B2/2500		
BH	(60°-80°)	372.4	1.4	B1/500		G1/500
BVH	(80°-90°)	5.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3
2.5°	3651.3	3682.2	3688.0	3697.7	3697.7	3709.3	3728.6	3755.6	3800.1	3823.2
5°	3365.4	3388.6	3417.5	3440.7	3485.2	3491.0	3566.3	3639.7	3742.1	3819.4
7.5°	3077.5	3104.6	3143.2	3199.2	3257.2	3274.6	3388.6	3512.2	3674.5	3819.4
10°	2874.7	2876.6	2911.4	2967.4	3060.1	3081.4	3220.5	3396.3	3599.1	3796.2
12.5°	2760.7	2774.2	2789.7	2832.2	2921.0	2934.6	3083.3	3290.0	3523.8	3782.7
15°	2760.7	2770.4	2780.0	2801.3	2872.7	2884.3	3015.7	3222.4	3485.2	3788.5
17.5°	2789.7	2805.1	2797.4	2822.5	2897.9	2905.6	3021.5	3203.1	3483.2	3825.2
20°	2859.2	2870.8	2855.4	2870.8	2946.2	2961.6	3081.4	3239.8	3516.1	3888.9
22.5°	2969.3	2975.1	2938.4	2950.0	3027.3	3046.6	3185.7	3344.1	3595.3	3991.3
25°	3108.4	3120.0	3064.0	3077.5	3150.9	3174.1	3334.5	3500.6	3720.9	4132.4
27.5°	3268.8	3274.6	3226.3	3224.4	3319.0	3351.9	3514.1	3693.8	3888.9	4310.1
30°	3452.3	3469.7	3423.3	3415.6	3535.4	3562.4	3722.8	3931.4	4136.2	4576.7
32.5°	3597.2	3610.7	3583.7	3603.0	3724.7	3746.0	3975.9	4267.6	4524.5	4955.3
35°	3805.9	3813.6	3751.8	3786.5	3925.6	3979.7	4321.7	4739.0	5013.3	5430.6
37.5°	4561.2	4561.2	4298.5	4126.6	4259.9	4308.2	4795.0	5332.1	5616.1	6068.1
40°	5606.4	5589.0	5204.6	4853.0	4835.6	4930.2	5469.2	6079.7	6394.6	6833.2
42.5°	6721.1	6694.1	6170.5	5822.8	5764.8	5797.7	6247.8	7001.2	7321.9	7766.3
45°	7710.3	7702.5	7223.4	6755.9	6651.6	6755.9	7219.5	8079.2	8309.1	8776.7
47.5°	8539.0	8539.0	8189.4	7884.1	7830.0	7891.9	8535.2	9275.1	9253.8	9852.7
50°	9493.4	9485.7	9153.4	9022.0	9078.0	9165.0	10049.8	10534.7	10231.4	10909.5
52.5°	10161.8	10208.2	10094.2	10073.0	10358.9	10509.6	11587.6	11767.3	11106.5	11912.2
55°	10691.2	10745.3	10876.7	11025.4	11576.0	11773.1	13077.1	12936.1	11838.7	12781.5
57.5°	11440.8	11363.5	11566.3	11860.0	12750.6	12988.2	14520.2	14039.2	12428.0	13486.7
60°	12350.7	12362.3	12397.1	12768.0	13923.3	14228.5	15942.1	15082.4	12806.6	13919.4
62.5°	13444.2	13461.5	13533.0	14102.9	15497.8	15785.6	17456.7	15936.3	12980.5	13797.7
65°	13368.8	13442.2	14240.1	16189.4	17891.4	18175.4	19224.4	16535.2	12717.8	12684.9
67.5°	12178.8	12298.5	13633.5	18681.6	21500.2	21817.1	21361.1	16653.1	11583.7	9864.3
70°	10617.8	10660.3	12265.7	20922.6	25678.9	25999.6	23273.7	15356.8	8790.2	5502.1
72.5°	8291.8	8301.4	10185.0	21442.3	27947.0	27964.4	21772.6	11400.2	4727.4	2113.5
75°	5923.2	5865.3	6821.6	17389.1	24587.4	24784.5	16322.7	5347.5	1806.3	998.8
77.5°	3176.1	3239.8	3860.0	10312.5	16985.4	17321.5	8906.1	1541.7	919.6	680.0
80°	981.4	1035.5	1582.2	4721.6	9620.9	9823.8	3301.6	685.8	641.4	484.9
82.5°	309.1	320.7	738.0	1984.1	3993.3	4086.0	956.3	388.3	438.5	320.7
85°	88.9	90.8	328.4	739.9	987.2	1006.5	268.5	150.7	251.1	199.0
87.5°	9.7	30.9	123.6	123.6	86.9	85.0	29.0	32.8	71.5	25.1
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°
3821.3	0°	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3	3821.3
3838.7	2.5°	3829.0	3831.0	3805.9	3763.4	3717.0	3678.4	3630.1	3591.4	3564.4	3556.6
3873.5	5°	3856.1	3842.6	3771.1	3641.6	3487.1	3353.8	3205.0	3087.2	3009.9	2977.1
3910.2	7.5°	3896.7	3858.0	3701.5	3446.5	3150.9	2888.2	2621.6	2414.9	2283.5	2217.8
3945.0	10°	3931.4	3854.2	3585.6	3164.5	2712.4	2314.4	1955.1	1705.9	1566.8	1501.1
3985.5	12.5°	3964.3	3852.2	3434.9	2830.2	2217.8	1731.0	1396.8	1273.1	1234.5	1221.0
4051.2	15°	4026.1	3858.0	3245.6	2447.7	1725.2	1307.9	1186.2	1184.3	1192.0	1188.1
4151.7	17.5°	4111.1	3863.8	3031.2	2042.0	1331.1	1153.4	1147.6	1164.9	1176.5	1170.7
4277.2	20°	4221.2	3887.0	2803.2	1640.2	1143.7	1114.7	1128.2	1143.7	1153.4	1143.7
4445.3	22.5°	4375.8	3927.6	2554.0	1317.6	1083.8	1091.5	1103.1	1120.5	1130.2	1116.6
4659.8	25°	4565.1	3991.3	2308.6	1145.6	1054.8	1064.5	1081.9	1101.2	1112.8	1099.3
4930.2	27.5°	4810.5	4093.7	2082.6	1107.0	1025.8	1031.6	1056.8	1085.7	1101.2	1083.8
5314.7	30°	5165.9	4261.8	1887.5	1124.4	1008.5	994.9	1029.7	1070.3	1087.7	1072.2
5838.2	32.5°	5637.3	4499.4	1767.7	1151.4	1000.7	952.4	985.3	1037.4	1066.4	1056.8
6522.1	35°	6255.5	4860.7	1721.3	1182.3	994.9	908.0	931.2	987.2	1037.4	1047.1
7383.8	37.5°	7005.1	5363.0	1734.9	1195.9	977.5	871.3	882.9	931.2	996.9	1027.8
8353.6	40°	7857.1	5948.3	1812.1	1182.3	958.2	840.4	842.3	879.0	937.0	983.3
9396.8	42.5°	8736.1	6632.2	1955.1	1132.1	940.8	813.3	807.5	832.7	871.3	904.1
10438.1	45°	9572.6	7335.5	2096.1	1062.6	919.6	786.3	772.8	782.4	790.2	803.7
11452.4	47.5°	10302.9	7830.0	2055.6	998.8	890.6	755.4	732.2	728.3	705.1	703.2
12358.4	50°	10807.1	7938.2	1825.7	935.0	848.1	720.6	683.9	660.7	620.1	600.8
13036.5	52.5°	10967.5	7511.3	1491.4	871.3	778.6	674.2	622.1	585.4	535.1	517.8
13426.8	55°	10754.9	6674.7	1192.0	794.0	682.0	612.4	554.5	506.2	465.6	444.3
13469.3	57.5°	10235.3	5610.3	942.8	703.2	579.6	542.9	484.9	436.6	401.8	380.6
12997.9	60°	9373.6	4455.0	745.7	595.0	494.6	467.5	407.6	376.7	345.8	320.7
11780.8	62.5°	8065.7	3179.9	585.4	471.4	413.4	382.5	347.7	324.6	287.9	253.1
9591.9	65°	6294.2	1945.4	452.1	345.8	332.3	316.8	295.6	274.3	229.9	195.1
6257.5	67.5°	3970.1	921.5	322.6	260.8	262.7	255.0	245.4	228.0	195.1	164.2
2803.2	70°	1748.4	446.3	212.5	199.0	195.1	195.1	202.9	197.1	166.1	137.2
973.7	72.5°	595.0	239.6	158.4	150.7	141.0	139.1	170.0	164.2	133.3	106.3
484.9	75°	311.0	160.3	115.9	108.2	85.0	102.4	135.2	127.5	94.7	69.5
320.7	77.5°	202.9	114.0	79.2	69.5	48.3	67.6	100.5	88.9	56.0	34.8
210.6	80°	127.5	75.3	46.4	32.8	23.2	36.7	54.1	38.6	21.3	7.7
123.6	82.5°	67.6	38.6	17.4	11.6	9.7	11.6	13.5	9.7	3.9	0.0
63.8	85°	27.0	13.5	5.8	3.9	1.9	0.0	3.9	1.9	0.0	0.0
11.6	87.5°	9.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3821.3
3570.2
2988.7
2227.5
1503.0
1217.1
1186.2
1168.8
1141.8
1114.7
1097.3
1083.8
1070.3
1056.8
1047.1
1035.5
998.8
917.7
811.4
701.3
602.8
515.8
444.3
376.7
314.9
247.3
189.3
160.3
131.4
100.5
63.8
30.9
5.8
0.0
0.0
0.0
0.0