

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: P852443

Luminaire Tested: **GLAN-SB3D-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26837 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

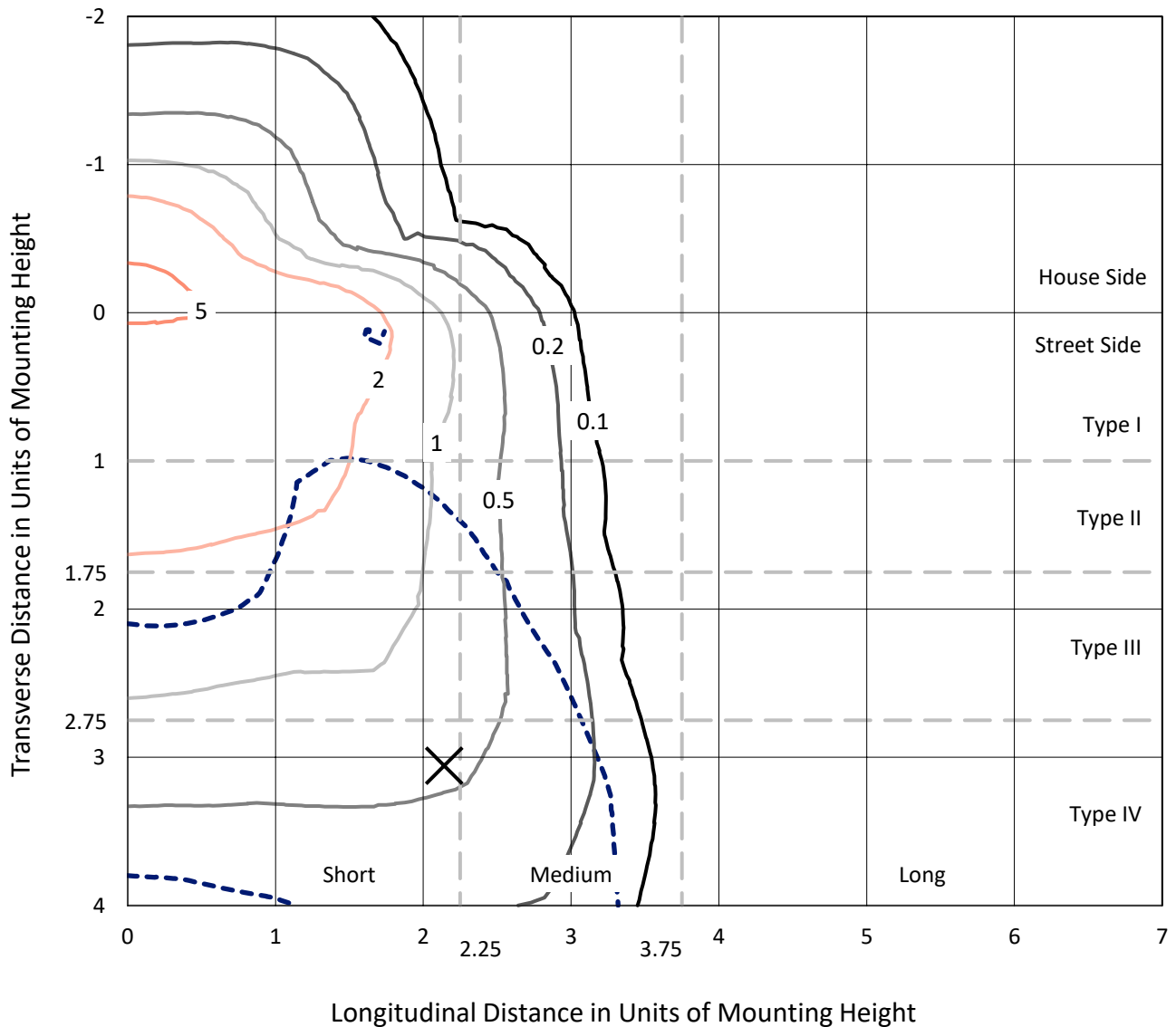
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

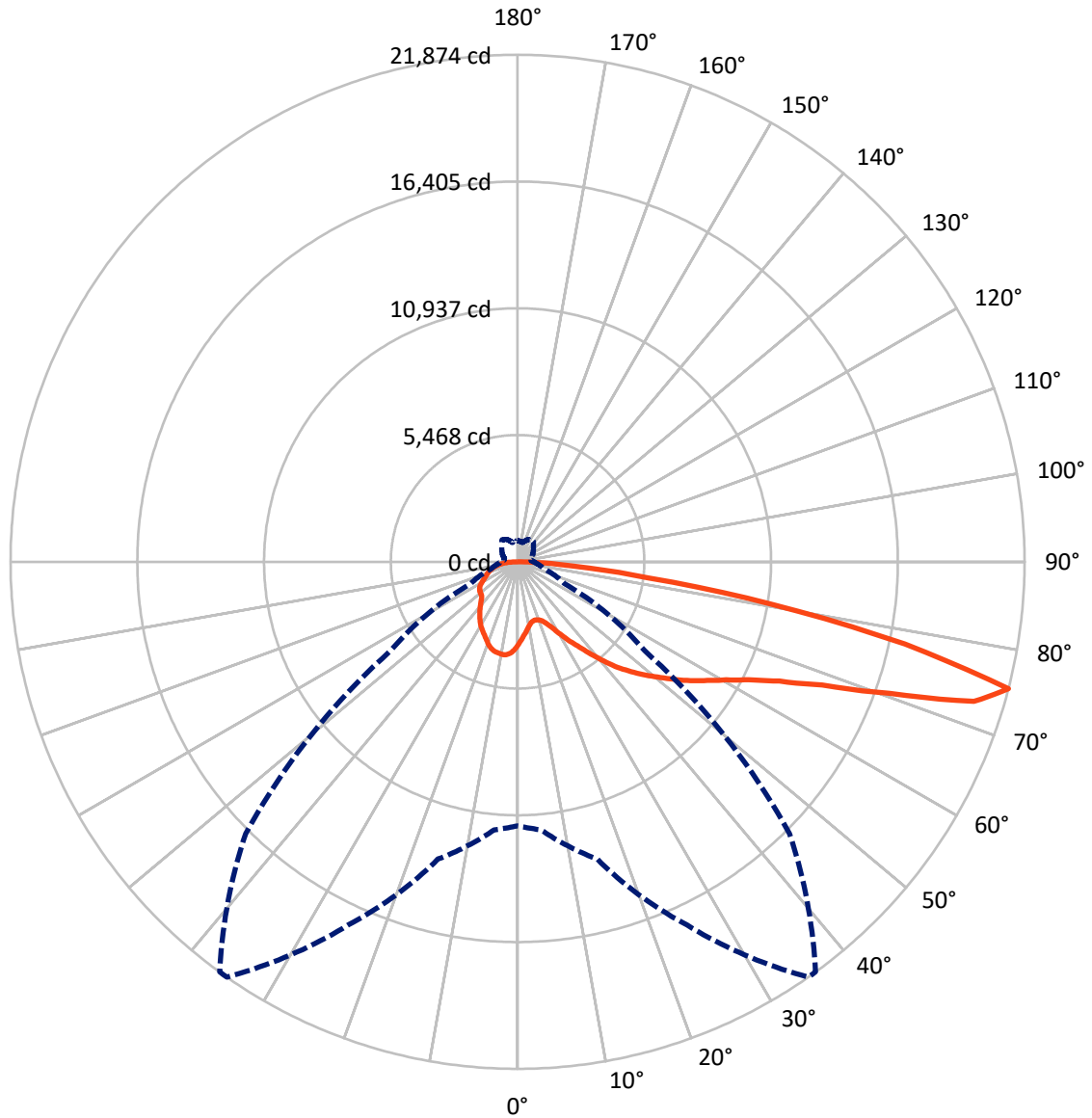
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6386.5	0.0	6386.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20450.5	0.0	20450.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	26837.0	0.0	26837.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	1.3
10°-20°	976.7	3.6
20°-30°	1640.1	6.1
30°-40°	2548.9	9.5
40°-50°	3783.2	14.1
50°-60°	5223.0	19.5
60°-70°	6336.6	23.6
70°-80°	5236.8	19.5
80°-90°	753.2	2.8
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°	26837.0	100.0
0°-180°	26837.0	100.0

Coefficient of Utilization



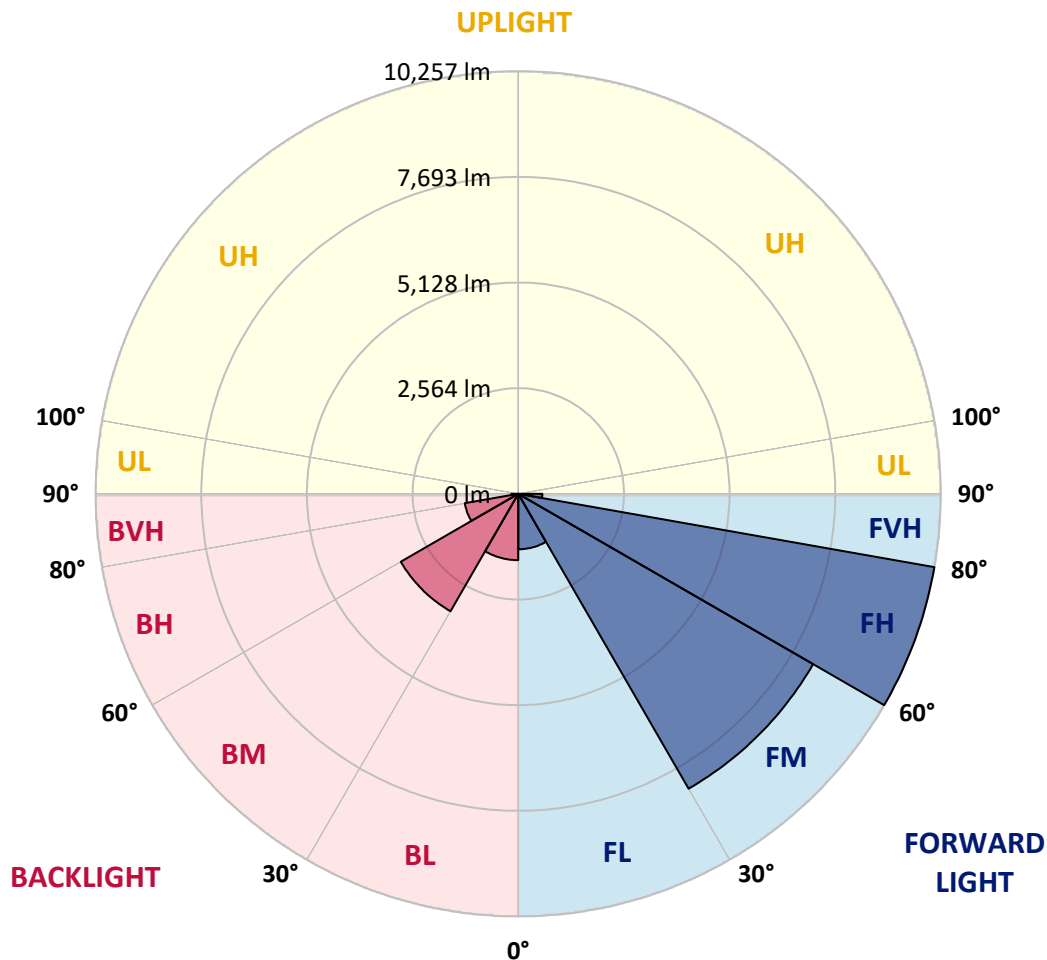
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1345.8	5.0			
FM (30°-60°)	8264.3	30.8			
FH (60°-80°)	10256.7	38.2			G4/12000
FVH (80°-90°)	583.6	2.2			G4/750
BL (0°-30°)	1609.5	6.0	B3/2500		
BM (30°-60°)	3290.7	12.3	B3/5000		
BH (60°-80°)	1316.7	4.9	B3/2500		G3/2500
BVH (80°-90°)	169.6	0.6			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°	36°	45°	55°	65°	75°
0°	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2
2.5°	3297.7	3318.0	3326.7	3322.3	3344.1	3341.2	3371.6	3409.4	3461.6	3512.4
5°	3043.8	3065.5	3084.4	3101.8	3143.9	3156.9	3204.8	3277.3	3373.1	3470.3
7.5°	2807.3	2826.2	2855.2	2887.1	2958.2	2971.2	3051.0	3164.2	3297.7	3439.8
10°	2614.3	2633.2	2663.7	2699.9	2788.4	2804.4	2905.9	3056.8	3230.9	3410.8
12.5°	2531.6	2537.4	2554.9	2591.1	2668.0	2678.2	2789.9	2962.5	3165.6	3389.1
15°	2527.3	2538.9	2540.3	2559.2	2623.0	2627.4	2730.4	2901.6	3125.0	3384.7
17.5°	2570.8	2579.5	2566.5	2578.1	2631.7	2639.0	2720.2	2872.6	3112.0	3403.6
20°	2686.9	2694.1	2655.0	2639.0	2678.2	2684.0	2763.8	2891.4	3125.0	3442.7
22.5°	2933.5	2937.9	2842.1	2776.8	2779.7	2782.6	2852.3	2968.3	3175.8	3513.8
25°	3318.0	3315.1	3162.7	3036.5	2964.0	2948.0	2994.4	3093.1	3261.4	3608.1
27.5°	3767.7	3746.0	3593.6	3405.0	3246.9	3223.7	3213.5	3255.6	3383.3	3732.9
30°	4275.5	4255.2	4091.2	3844.6	3625.5	3587.8	3492.1	3470.3	3564.6	3902.6
32.5°	4832.6	4819.5	4623.7	4324.8	4031.8	3988.2	3827.2	3769.2	3843.2	4159.4
35°	5299.8	5288.2	5125.7	4818.1	4459.7	4406.1	4242.1	4176.8	4214.6	4488.8
37.5°	5721.9	5716.1	5576.9	5334.6	4964.6	4899.3	4715.1	4693.3	4686.1	4922.6
40°	6113.7	6099.1	5954.1	5826.4	5552.2	5492.7	5330.2	5311.4	5256.2	5456.4
42.5°	6547.4	6509.7	6299.4	6239.9	6165.9	6116.6	6019.4	6022.3	5900.4	6058.5
45°	6901.4	6879.7	6663.5	6628.7	6708.5	6688.2	6772.3	6794.1	6557.6	6689.6
47.5°	7281.5	7261.2	7078.4	7053.8	7269.9	7275.7	7573.2	7580.4	7198.8	7345.4
50°	7750.2	7721.1	7539.8	7570.3	7812.5	7834.3	8378.3	8329.0	7789.3	8011.3
52.5°	8059.2	8076.6	8037.4	8086.7	8417.5	8437.8	9170.5	9044.3	8374.0	8668.5
55°	8286.9	8321.8	8443.6	8556.8	9055.9	9076.2	9917.6	9724.7	8858.6	9277.8
57.5°	8580.0	8530.7	8758.5	8979.0	9662.3	9716.0	10644.5	10380.4	9288.0	9803.0
60°	9000.7	8965.9	9142.9	9469.3	10341.3	10426.9	11413.4	10970.9	9602.8	10219.4
62.5°	9853.8	9766.8	9794.3	10083.0	11197.2	11310.4	12281.0	11486.0	9759.5	10381.9
65°	11129.1	10979.6	10840.3	11040.6	12402.9	12514.6	13260.3	11890.7	9701.5	10067.1
67.5°	12735.1	12587.1	12415.9	12604.5	14178.6	14267.1	14468.8	12118.5	9244.5	8854.2
70°	14059.7	14004.5	14209.1	14985.3	17014.9	17017.8	16018.2	11929.9	7992.4	6277.6
72.5°	13884.1	13850.7	14928.7	17328.3	20589.7	20512.8	17485.0	10502.3	5383.9	2832.0
75°	11390.2	11606.4	13276.2	17286.2	21873.6	21863.5	16586.9	6676.6	2227.0	1173.7
77.5°	6107.9	6450.2	8619.2	12762.7	17075.9	17332.7	11661.5	2335.8	956.1	751.5
80°	1991.9	2290.8	3435.5	6498.1	11095.7	11047.8	4998.0	916.9	654.3	532.4
82.5°	845.8	880.6	1534.9	3068.4	5694.4	5605.9	1591.5	526.6	459.9	364.1
85°	330.8	370.0	677.5	1418.9	2466.4	2412.7	574.5	261.1	294.5	237.9
87.5°	108.8	132.0	242.3	486.0	767.5	739.9	140.7	89.9	127.7	108.8
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°
3576.2	0°	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2	3576.2
3586.4	2.5°	3606.7	3629.9	3657.5	3698.1	3732.9	3761.9	3792.4	3811.2	3818.5	3840.3
3592.2	5°	3632.8	3683.6	3751.8	3818.5	3883.8	3923.0	3957.8	3975.2	3991.1	4002.7
3608.1	7.5°	3676.3	3741.6	3849.0	3936.0	3991.1	4023.1	4046.3	4040.5	4046.3	4049.2
3625.5	10°	3714.0	3805.4	3933.1	4015.8	4057.9	4059.3	4053.5	4033.2	4023.1	4024.5
3651.7	12.5°	3759.0	3860.6	3998.4	4068.0	4079.6	4047.7	4023.1	3988.2	3975.2	3969.4
3690.8	15°	3819.9	3936.0	4069.5	4095.6	4066.6	4026.0	3983.9	3927.3	3898.3	3875.1
3757.6	17.5°	3893.9	4021.6	4124.6	4105.8	4043.4	3976.6	3908.4	3822.8	3763.4	3738.7
3849.0	20°	3996.9	4111.6	4166.7	4084.0	3989.7	3888.1	3772.1	3667.6	3612.5	3587.8
3965.0	22.5°	4121.7	4232.0	4207.3	4046.3	3912.8	3750.3	3605.2	3528.3	3500.8	3483.4
4114.5	25°	4271.1	4365.4	4236.3	3991.1	3786.6	3567.5	3455.8	3431.1	3418.1	3405.0
4297.3	27.5°	4465.5	4516.3	4258.1	3909.9	3589.3	3373.1	3332.5	3336.8	3332.5	3310.7
4551.1	30°	4722.3	4712.2	4278.4	3777.9	3362.9	3197.6	3200.5	3219.3	3222.2	3207.7
4905.1	32.5°	5060.4	4957.4	4288.6	3606.7	3146.8	3043.8	3046.7	3067.0	3081.5	3056.8
5367.9	35°	5469.5	5243.2	4272.6	3392.0	2979.9	2897.2	2875.5	2881.3	2885.6	2862.4
5929.4	37.5°	5946.8	5563.8	4201.5	3154.0	2842.1	2753.6	2707.2	2668.0	2644.8	2623.0
6564.9	40°	6470.5	5913.4	4070.9	2921.9	2688.3	2601.3	2531.6	2457.6	2379.3	2350.3
7238.0	42.5°	7019.0	6273.2	3912.8	2699.9	2511.3	2440.2	2366.2	2258.9	2141.4	2081.9
7937.3	45°	7587.7	6641.7	3757.6	2480.9	2330.0	2299.5	2213.9	2084.8	1957.1	1881.7
8638.0	47.5°	8144.8	6989.9	3529.8	2260.3	2160.2	2193.6	2126.9	2007.9	1865.7	1746.8
9333.0	50°	8677.2	7316.4	3156.9	2036.9	2022.4	2161.7	2097.9	1926.7	1764.2	1611.8
10014.8	52.5°	9205.3	7580.4	2679.6	1833.8	1948.4	2153.0	2060.1	1871.5	1672.8	1513.2
10656.1	55°	9653.6	7716.8	2219.7	1659.7	1841.1	2079.0	2015.2	1806.2	1543.6	1373.9
11095.7	57.5°	9908.9	7606.5	1836.7	1488.5	1693.1	1957.1	1938.3	1667.0	1389.9	1259.3
11181.3	60°	9798.7	7159.7	1523.3	1339.1	1552.4	1825.1	1804.8	1529.1	1272.3	1149.0
10722.8	62.5°	9190.8	6308.1	1275.2	1208.5	1424.7	1690.2	1671.3	1423.2	1182.4	1063.4
9505.6	65°	7966.3	5131.5	1082.3	1099.7	1295.6	1527.7	1555.3	1334.7	1111.3	995.2
7354.1	67.5°	6075.9	3716.9	931.4	1005.4	1169.3	1368.1	1447.9	1270.9	1051.8	941.6
4255.2	70°	3463.0	2110.9	803.7	914.0	1057.6	1220.1	1365.2	1220.1	988.0	896.6
1594.4	72.5°	1313.0	969.1	694.9	822.6	950.3	1095.4	1273.8	1140.3	914.0	845.8
824.1	75°	700.7	590.5	584.7	715.2	827.0	973.5	1159.2	1062.0	858.9	893.7
570.2	77.5°	477.3	417.8	488.9	612.2	692.0	838.6	1037.3	943.0	744.3	741.4
394.6	80°	330.8	296.0	397.5	493.3	535.3	705.1	905.3	809.5	606.4	565.8
243.7	82.5°	198.8	193.0	297.4	368.5	378.7	544.0	750.1	679.0	496.2	432.3
145.1	85°	108.8	114.6	190.1	216.2	220.5	380.1	587.6	525.2	381.6	320.6
52.2	87.5°	30.5	39.2	69.6	85.6	105.9	197.3	349.6	311.9	191.5	133.5
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°
3576.2
3838.8
4005.6
4053.5
4027.4
3966.5
3882.3
3740.2
3584.9
3486.3
3405.0
3315.1
3215.0
3068.4
2878.4
2637.5
2363.3
2089.1
1875.9
1733.7
1598.8
1495.8
1359.4
1241.9
1131.6
1044.6
976.4
924.2
885.0
834.2
922.7
683.3
541.1
435.2
323.5
133.5
0.0

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