

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: P847585

Luminaire Tested: **GLAN-SB3D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847585
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-SB3D-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA 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: 21536 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

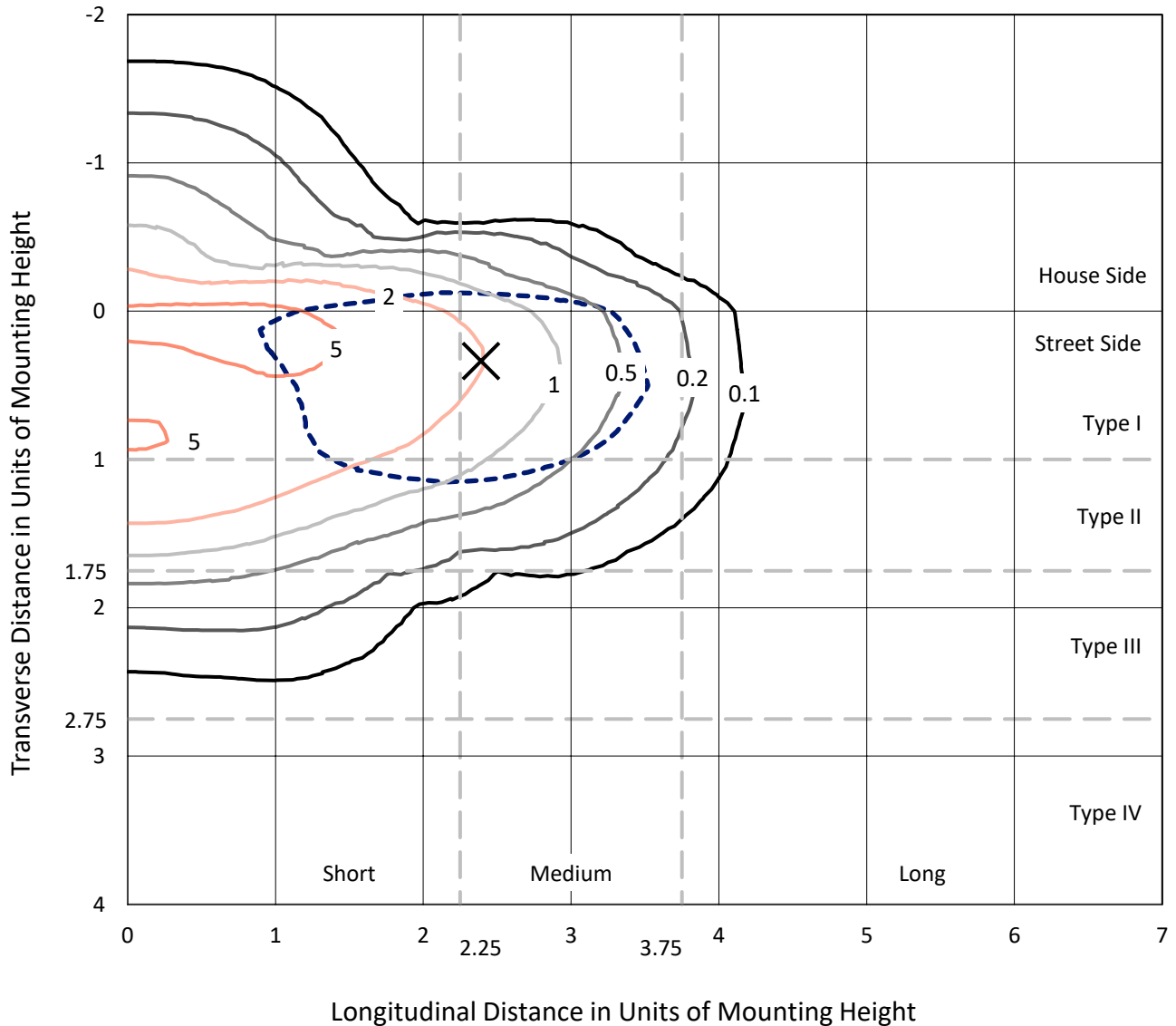
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

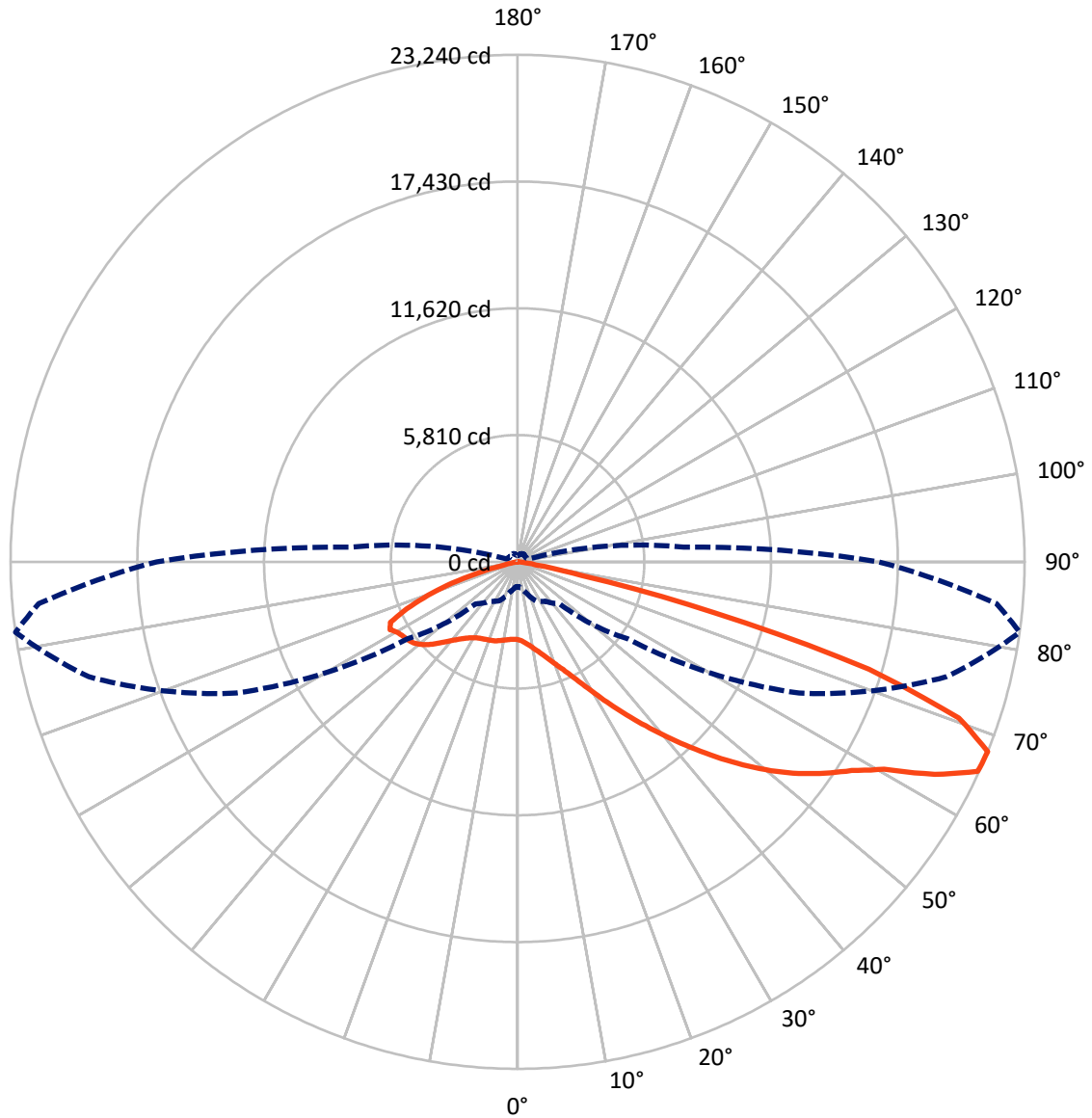
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	3901.1	0.0	3901.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17634.9	0.0	17634.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	21536.0	0.0	21536.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.9	1.5
10°-20°	826.0	3.8
20°-30°	1323.0	6.1
30°-40°	2339.4	10.9
40°-50°	4098.9	19.0
50°-60°	5466.8	25.4
60°-70°	5089.3	23.6
70°-80°	1953.3	9.1
80°-90°	121.3	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°	21536.0	100.0
0°-180°	21536.0	100.0

Coefficient of Utilization

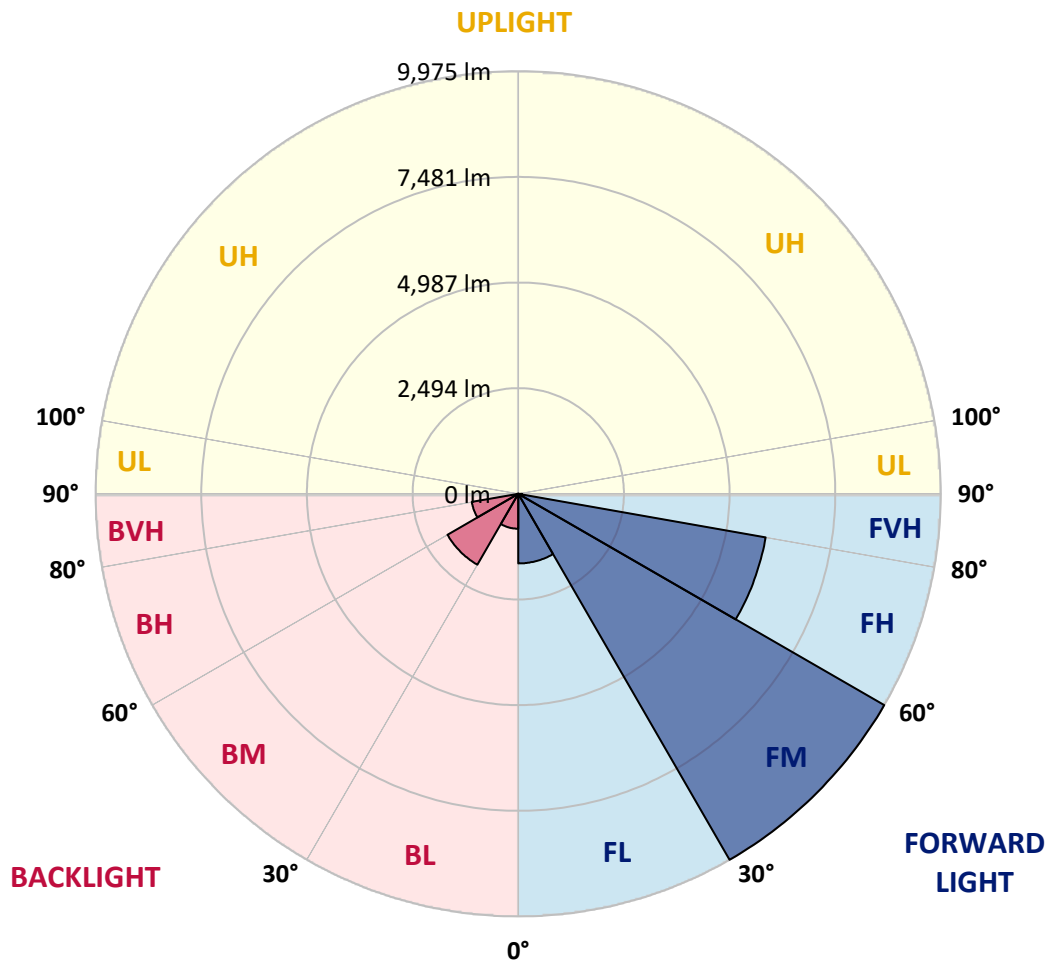


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1643.0	7.6			
FM (30°-60°)	9974.6	46.3			
FH (60°-80°)	5929.2	27.5			G3/7500
FVH (80°-90°)	88.2	0.4			G1/100
BL (0°-30°)	823.9	3.8	B2/1000		
BM (30°-60°)	1930.6	9.0	B2/2500		
BH (60°-80°)	1113.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	33.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8
2.5°	3770.9	3792.6	3780.2	3774.0	3763.2	3747.6	3735.2	3696.5	3656.2	3629.8
5°	3846.9	3868.6	3867.0	3873.2	3881.0	3885.6	3882.5	3839.1	3781.8	3736.8
7.5°	3781.8	3806.6	3826.7	3857.7	3912.0	3969.4	3997.3	3988.0	3929.1	3867.0
10°	3597.2	3623.6	3671.7	3744.5	3859.3	3983.3	4087.2	4135.3	4098.1	4029.8
12.5°	3259.2	3285.6	3380.2	3538.3	3730.6	3946.1	4144.6	4273.3	4282.6	4214.4
15°	2879.3	2905.7	3006.5	3205.0	3498.0	3843.8	4175.6	4419.0	4501.2	4442.3
17.5°	2643.7	2666.9	2742.9	2902.6	3208.1	3639.1	4164.7	4574.1	4761.7	4715.2
20°	2572.3	2592.5	2628.2	2739.8	2994.1	3426.7	4093.4	4719.8	5042.3	5016.0
22.5°	2648.3	2666.9	2677.8	2727.4	2887.1	3287.1	4003.5	4868.7	5368.0	5371.1
25°	2823.5	2842.1	2829.7	2860.7	2930.5	3243.7	3969.4	5043.9	5777.3	5811.4
27.5°	3111.9	3113.5	3084.0	3082.5	3093.3	3308.8	4005.0	5231.5	6293.6	6357.2
30°	3690.3	3667.0	3553.8	3431.3	3375.5	3504.2	4104.3	5453.2	6903.0	7016.2
32.5°	4581.8	4547.7	4340.0	4046.9	3752.3	3819.0	4282.6	5706.0	7566.6	7771.3
35°	5549.4	5540.1	5323.0	4887.3	4372.5	4267.1	4572.5	6037.8	8290.7	8616.3
37.5°	6448.7	6444.0	6320.0	5806.8	5180.3	4891.9	5037.7	6471.9	9066.0	9537.4
40°	7270.5	7284.4	7160.4	6701.4	6070.4	5693.6	5670.3	7008.4	9928.1	10540.6
42.5°	7980.6	7996.1	7870.5	7531.0	6949.5	6580.5	6447.1	7665.9	10770.0	11618.2
45°	8462.8	8559.0	8540.4	8269.0	7851.9	7468.9	7380.6	8490.7	11729.8	12760.9
47.5°	8599.3	8687.7	8827.2	8864.4	8610.1	8233.4	8338.8	9484.6	12700.5	13905.2
50°	8262.8	8345.0	8634.9	9021.0	9197.8	9081.5	9270.7	10549.9	13694.3	15046.4
52.5°	7599.2	7682.9	8048.8	8659.8	9380.8	9746.7	10205.6	11599.6	14657.2	16127.1
55°	6639.4	6727.8	7197.6	7889.1	9031.9	10021.1	10985.6	12647.7	15539.5	17099.3
57.5°	5333.8	5399.0	5887.4	6854.9	8154.3	9748.2	11560.8	13792.0	16370.6	18054.5
60°	3476.3	3533.7	4101.2	5180.3	6699.9	8836.5	11675.5	15068.1	17474.6	19296.4
62.5°	2311.9	2350.6	2687.1	3479.4	4718.3	7086.0	11004.2	16086.8	19093.3	21457.9
65°	1586.2	1625.0	1961.4	2513.4	3048.4	4687.3	9073.7	15951.9	20560.1	23174.3
67.5°	1131.9	1164.5	1449.8	1970.7	2206.4	2722.7	6151.0	14227.7	20349.3	23239.5
70°	810.9	829.5	1065.2	1535.0	1753.7	1635.8	3420.5	10881.7	17817.2	21459.4
72.5°	567.5	573.7	739.6	1169.1	1412.5	1193.9	1628.1	7255.0	13475.7	16843.5
75°	384.5	392.3	497.7	857.4	1133.4	911.7	862.1	3890.3	7910.8	9323.4
77.5°	235.7	238.8	321.0	586.1	848.1	694.6	555.1	1648.2	3060.8	3004.9
80°	133.3	133.3	204.7	364.4	578.4	448.1	389.2	700.8	969.1	851.2
82.5°	74.4	76.0	148.9	226.4	383.0	265.1	214.0	324.1	418.6	370.6
85°	31.0	34.1	91.5	107.0	183.0	131.8	86.8	136.4	155.1	138.0
87.5°	3.1	4.7	27.9	20.2	21.7	26.4	12.4	26.4	21.7	21.7
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°
3567.8	0°	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8	3567.8
3620.5	2.5°	3591.0	3567.8	3508.9	3440.6	3350.7	3307.3	3248.4	3208.1	3173.9	3177.1
3710.4	5°	3660.8	3601.9	3470.1	3305.7	3101.1	2955.3	2800.3	2693.3	2606.5	2587.8
3834.5	7.5°	3757.0	3663.9	3432.9	3136.7	2791.0	2528.9	2294.8	2144.4	2037.4	2003.3
3984.9	10°	3881.0	3746.1	3384.8	2924.3	2426.6	2093.2	1842.0	1724.2	1651.3	1626.5
4161.6	12.5°	4025.2	3840.7	3321.3	2665.4	2051.4	1730.4	1570.7	1511.8	1488.5	1480.8
4378.7	15°	4206.6	3958.5	3225.1	2358.4	1733.5	1508.7	1440.4	1432.7	1435.8	1432.7
4639.2	17.5°	4422.1	4087.2	3068.5	2042.1	1519.5	1395.5	1370.7	1376.9	1384.6	1383.1
4930.7	20°	4657.8	4214.4	2868.5	1761.4	1373.8	1314.9	1300.9	1307.1	1313.3	1310.2
5267.2	22.5°	4926.1	4350.8	2646.8	1542.8	1276.1	1240.4	1224.9	1226.5	1226.5	1220.3
5693.6	25°	5247.0	4501.2	2414.2	1387.7	1201.7	1173.8	1155.2	1148.9	1139.6	1121.0
6211.5	27.5°	5630.0	4660.9	2190.9	1279.2	1142.7	1116.4	1094.7	1079.2	1055.9	1024.9
6833.2	30°	6061.1	4854.7	2001.7	1211.0	1096.2	1069.9	1045.1	1021.8	987.7	948.9
7548.0	32.5°	6568.1	5062.5	1863.7	1166.0	1054.4	1026.5	997.0	969.1	931.9	893.1
8351.2	35°	7172.8	5313.7	1783.1	1135.0	1021.8	984.6	952.0	921.0	893.1	859.0
9224.1	37.5°	7828.7	5580.4	1758.3	1119.5	1000.1	942.7	905.5	883.8	880.7	860.5
10168.4	40°	8546.6	5896.7	1776.9	1110.2	976.8	902.4	862.1	857.4	865.2	829.5
11177.8	42.5°	9306.3	6271.9	1807.9	1099.3	944.3	862.1	823.3	823.3	817.1	767.5
12244.6	45°	10128.1	6704.5	1838.9	1073.0	905.5	821.8	792.3	781.5	755.1	707.0
13317.6	47.5°	10956.1	7144.9	1862.2	1024.9	859.0	787.7	761.3	736.5	697.7	654.3
14370.4	50°	11742.2	7540.3	1837.4	953.6	806.3	755.1	727.2	693.1	651.2	621.8
15367.4	52.5°	12444.6	7882.9	1732.0	869.9	750.5	721.0	696.2	660.5	626.4	595.4
16266.7	55°	13055.5	8160.5	1545.9	790.8	700.8	691.5	666.7	621.8	575.2	548.9
17158.2	57.5°	13641.6	8371.4	1313.3	725.7	655.9	659.0	621.8	581.5	538.0	510.1
18359.9	60°	14421.5	8653.5	1077.6	665.2	607.8	617.1	576.8	547.3	493.1	457.4
20420.6	62.5°	15668.2	9092.4	855.9	590.8	552.0	555.1	538.0	502.4	437.3	395.4
21947.9	65°	16657.4	8931.1	674.5	510.1	488.4	493.1	493.1	454.3	384.5	336.5
22030.0	67.5°	16545.8	7647.3	538.0	431.0	427.9	431.0	441.9	409.3	341.1	302.4
20352.4	70°	15241.8	6082.8	431.0	358.2	372.1	364.4	395.4	373.7	307.0	268.2
15778.3	72.5°	12436.9	4381.8	328.7	296.2	285.3	297.7	356.6	336.5	255.8	212.4
8357.4	75°	7267.4	2338.2	245.0	234.1	206.2	248.1	316.3	286.8	195.4	156.6
2561.5	77.5°	2366.1	815.6	179.9	172.1	153.5	200.0	269.8	241.9	159.7	124.0
750.5	80°	634.2	246.5	122.5	113.2	99.2	148.9	214.0	192.3	114.7	80.6
322.5	82.5°	254.3	103.9	71.3	63.6	54.3	102.3	169.0	155.1	85.3	51.2
100.8	85°	82.2	34.1	26.4	20.2	24.8	63.6	100.8	105.4	60.5	26.4
15.5	87.5°	10.9	4.7	4.7	6.2	4.7	10.9	31.0	29.5	17.1	3.1
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°
3567.8
3146.0
2546.0
1969.2
1607.9
1476.1
1431.1
1380.0
1308.7
1217.2
1117.9
1021.8
945.8
894.7
855.9
859.0
831.1
767.5
705.5
652.8
617.1
592.3
545.8
507.0
452.8
392.3
331.8
296.2
263.6
207.8
152.0
119.4
79.1
51.2
20.2
0.0
0.0

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