

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: P847588

Luminaire Tested: **GLAN-SB3D-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29513 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

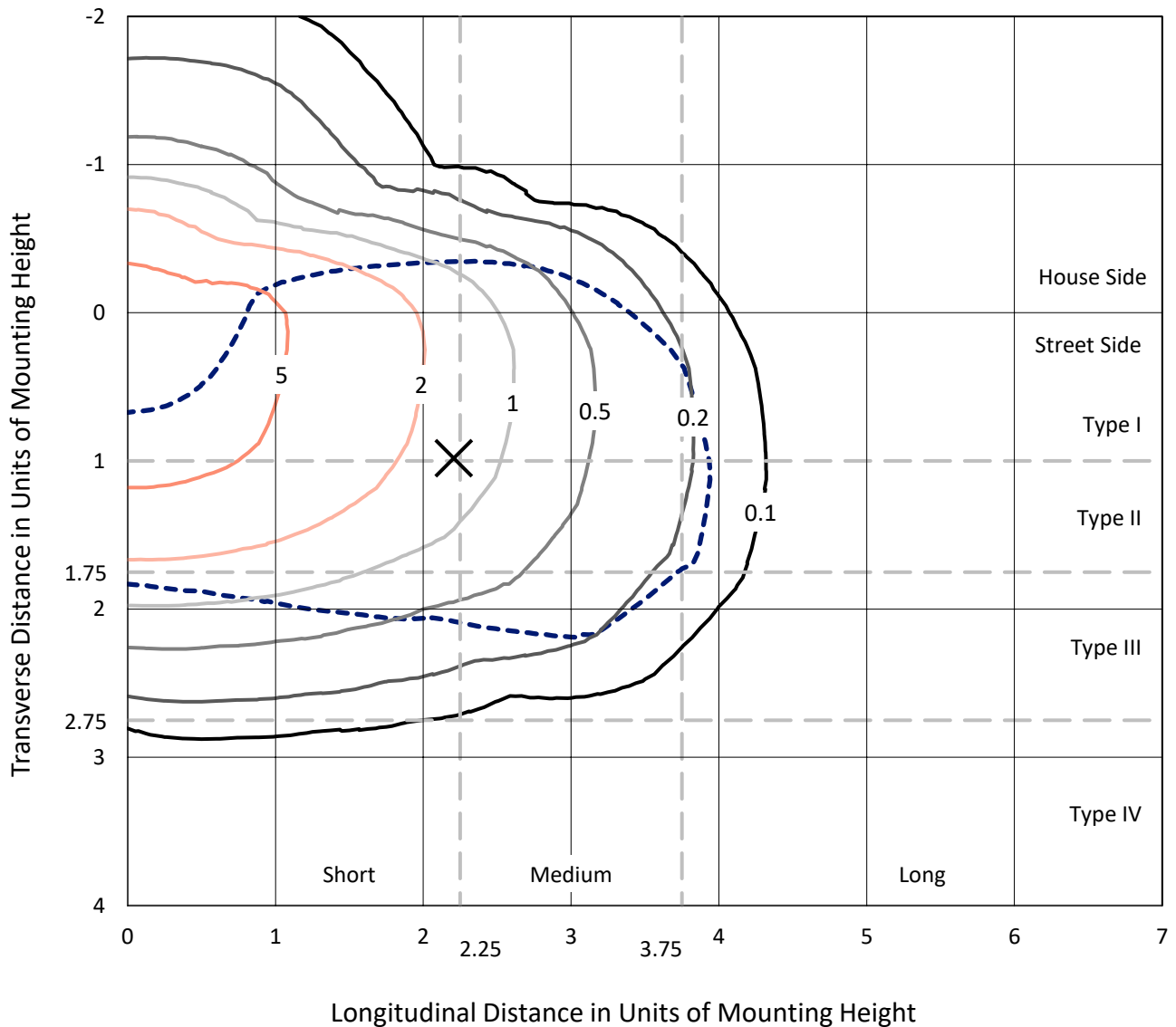
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

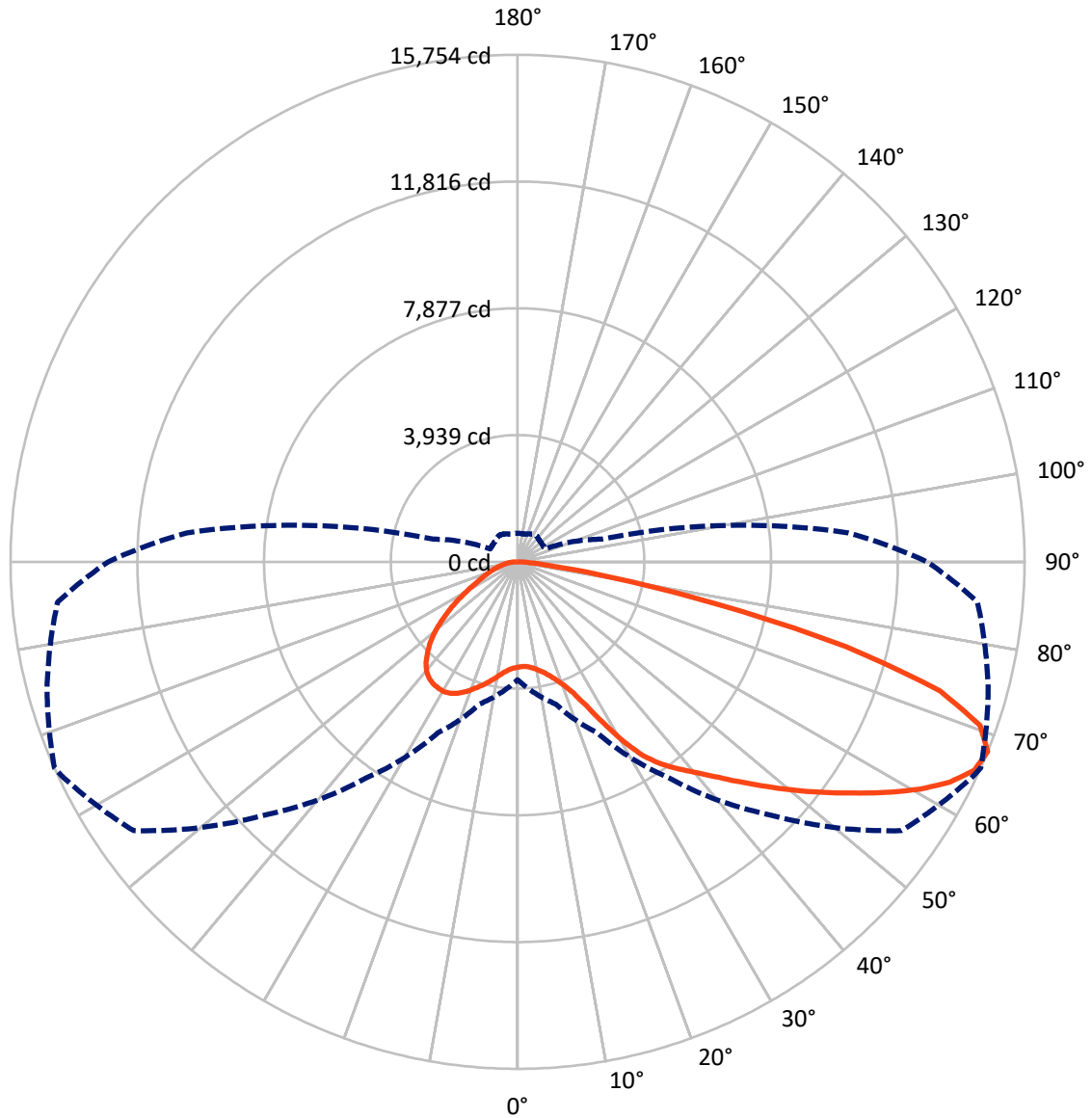
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7338.3	0.0	7338.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22174.7	0.0	22174.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	29513.0	0.0	29513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.5	1.1
10°-20°	1072.2	3.6
20°-30°	2066.7	7.0
30°-40°	3623.7	12.3
40°-50°	5387.2	18.3
50°-60°	6828.8	23.1
60°-70°	6681.8	22.6
70°-80°	3187.3	10.8
80°-90°	340.6	1.2
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°	29513.0	100.0
0°-180°	29513.0	100.0

Coefficient of Utilization



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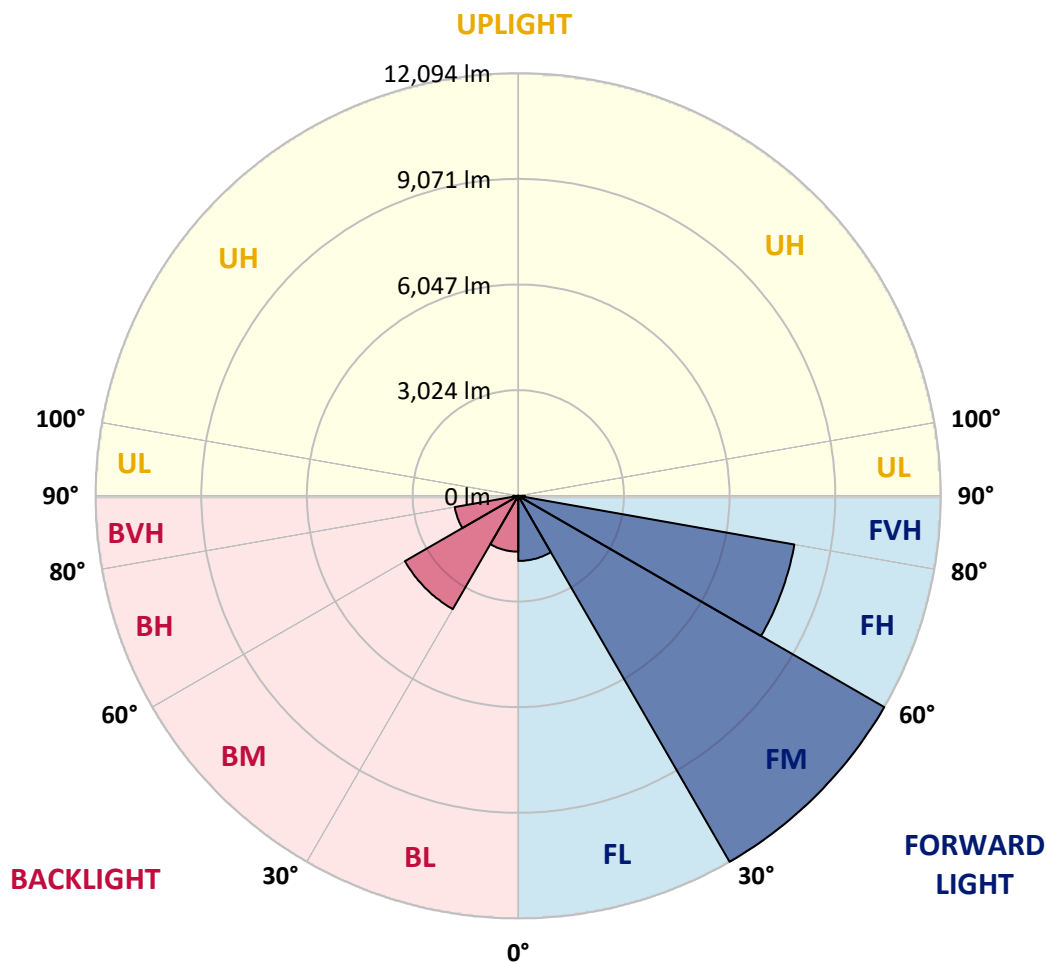
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1864.9	6.3			
FM (30°-60°)	12094.2	41.0			
FH (60°-80°)	8022.4	27.2			G4/12000
FVH (80°-90°)	193.1	0.7			G2/225
BL (0°-30°)	1598.6	5.4	B3/2500		
BM (30°-60°)	3745.6	12.7	B3/5000		
BH (60°-80°)	1846.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	147.5	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4
2.5°	3239.3	3257.9	3253.2	3245.5	3243.9	3247.0	3251.7	3256.3	3254.8	3262.5
5°	3230.0	3248.6	3247.0	3247.0	3253.2	3265.6	3273.4	3281.1	3273.4	3282.7
7.5°	3236.2	3250.1	3256.3	3262.5	3278.0	3301.3	3319.9	3337.0	3327.7	3338.5
10°	3315.2	3326.1	3332.3	3332.3	3343.2	3369.5	3388.1	3419.1	3411.4	3428.4
12.5°	3459.5	3470.3	3470.3	3464.1	3471.9	3488.9	3495.1	3529.2	3515.3	3543.2
15°	3636.2	3657.9	3640.9	3630.0	3633.1	3650.2	3648.6	3675.0	3661.0	3684.3
17.5°	3831.6	3859.5	3831.6	3830.1	3823.9	3842.5	3844.0	3867.3	3842.5	3859.5
20°	4062.7	4101.4	4078.2	4085.9	4072.0	4079.7	4087.5	4121.6	4082.8	4095.2
22.5°	4388.3	4434.8	4410.0	4439.5	4430.2	4423.9	4422.4	4482.9	4422.4	4427.1
25°	4862.8	4918.6	4875.2	4915.5	4915.5	4935.7	4958.9	5036.4	4935.7	4906.2
27.5°	5563.7	5619.5	5534.2	5559.0	5551.3	5600.9	5576.1	5768.3	5659.8	5611.7
30°	6407.2	6506.4	6345.2	6339.0	6331.2	6410.3	6446.0	6573.1	6463.0	6415.0
32.5°	7319.0	7422.9	7230.6	7174.8	7145.3	7193.4	7163.9	7266.3	7190.3	7115.8
35°	8283.5	8385.8	8202.8	8094.3	7976.4	7875.7	7770.2	7796.6	7725.2	7612.0
37.5°	9195.2	9382.9	9189.0	9072.7	8855.7	8658.7	8364.1	8241.6	8174.9	8071.0
40°	10124.1	10231.1	10083.8	9984.5	9748.8	9440.2	8968.8	8709.9	8620.0	8519.2
42.5°	10807.9	10910.2	10831.2	10762.9	10578.4	10220.2	9610.8	9286.7	9156.5	9043.3
45°	11350.6	11426.6	11377.0	11401.8	11322.7	10975.4	10276.0	9905.4	9770.5	9632.5
47.5°	11569.3	11649.9	11729.0	11876.3	12011.2	11755.3	10990.9	10575.3	10432.6	10291.5
50°	11544.4	11626.6	11856.1	12169.4	12588.0	12502.7	11744.5	11288.6	11156.8	10995.5
52.5°	11346.0	11439.0	11733.6	12254.6	12921.4	13062.5	12512.0	12025.1	11901.1	11708.8
55°	10825.0	10880.8	11322.7	12060.8	13000.5	13453.3	13264.1	12809.8	12685.7	12417.5
57.5°	9858.9	9939.5	10583.1	11538.2	12802.0	13718.4	13924.7	13634.7	13515.3	13129.2
60°	8598.2	8727.0	9463.5	10660.6	12296.5	13716.9	14524.8	14445.7	14346.4	13830.1
62.5°	7171.7	7320.5	8029.2	9420.1	11412.6	13327.7	14900.0	15124.9	15073.7	14476.7
65°	5507.8	5610.2	6315.7	7815.2	10037.2	12491.9	14943.4	15588.5	15597.8	14968.2
67.5°	3667.2	3961.9	4574.4	5864.5	8195.1	11125.8	14562.0	15664.5	15754.4	15137.3
70°	1789.4	2177.1	2777.2	3811.5	5864.5	9030.9	13564.9	15041.1	15241.2	14644.2
72.5°	742.8	868.4	1195.5	1880.9	3366.4	6094.0	11561.5	13350.9	13721.5	12975.7
75°	500.9	542.7	683.8	964.5	1533.6	3005.1	8337.7	9955.1	10552.0	9800.0
77.5°	386.1	412.5	497.8	674.5	911.8	1136.6	4462.7	5999.4	6308.0	5839.7
80°	303.9	324.1	372.2	491.5	646.6	607.8	1521.2	2718.3	2896.6	2429.8
82.5°	263.6	271.4	266.7	333.4	429.5	355.1	499.3	1003.3	1107.2	803.2
85°	190.7	212.4	221.7	206.2	227.9	179.9	204.7	355.1	390.8	348.9
87.5°	77.5	114.7	141.1	133.4	83.7	51.2	63.6	103.9	119.4	130.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847588
 CATALOG NUMBER: GLAN-SB3D-730-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3273.4	0°	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4	3273.4
3274.9	2.5°	3276.5	3287.3	3295.1	3304.4	3310.6	3319.9	3338.5	3349.4	3350.9	3358.7
3299.7	5°	3305.9	3321.5	3338.5	3363.3	3391.2	3414.5	3450.2	3475.0	3484.3	3492.0
3360.2	7.5°	3369.5	3391.2	3422.2	3465.7	3506.0	3537.0	3580.4	3609.9	3639.3	3650.2
3456.4	10°	3464.1	3495.1	3540.1	3599.0	3642.4	3682.7	3727.7	3752.5	3782.0	3794.4
3571.1	12.5°	3582.0	3614.5	3673.4	3755.6	3795.9	3823.9	3839.4	3833.2	3839.4	3850.2
3709.1	15°	3716.9	3752.5	3819.2	3907.6	3935.5	3910.7	3876.6	3845.6	3840.9	3844.0
3876.6	17.5°	3876.6	3902.9	3980.5	4054.9	4034.7	3932.4	3858.0	3808.3	3783.5	3775.8
4090.6	20°	4099.9	4099.9	4163.4	4210.0	4075.1	3901.4	3785.1	3704.5	3653.3	3631.6
4382.1	22.5°	4371.2	4346.4	4386.7	4354.2	4067.3	3814.6	3653.3	3513.7	3436.2	3405.2
4789.9	25°	4715.5	4686.0	4675.2	4473.6	4011.5	3676.5	3414.5	3245.5	3177.2	3160.2
5377.6	27.5°	5234.9	5160.5	5019.4	4538.7	3909.1	3459.5	3135.4	2978.8	2940.0	2941.5
6132.7	30°	5926.5	5777.7	5431.9	4549.6	3741.7	3152.4	2850.1	2738.4	2719.8	2727.6
6767.0	32.5°	6566.9	6425.8	5853.6	4499.9	3484.3	2851.6	2594.2	2519.8	2491.9	2501.2
7250.7	35°	7069.3	7030.6	6244.4	4430.2	3167.9	2569.4	2364.7	2301.1	2246.9	2234.5
7706.6	37.5°	7543.8	7528.3	6537.5	4332.5	2854.7	2369.4	2180.2	2096.5	2017.4	1974.0
8210.6	40°	8064.8	8049.3	6729.7	4182.1	2577.1	2195.7	2014.3	1904.2	1806.5	1727.4
8781.2	42.5°	8651.0	8559.5	6821.2	3966.5	2341.5	2048.4	1879.4	1730.5	1601.8	1528.9
9426.3	45°	9291.4	9085.1	6819.7	3692.1	2143.0	1913.5	1735.2	1524.3	1404.9	1336.6
10088.4	47.5°	9970.6	9587.6	6735.9	3388.1	1950.7	1764.6	1511.9	1350.6	1271.5	1229.7
10807.9	50°	10671.4	10057.4	6593.3	3039.2	1753.8	1595.6	1372.3	1262.2	1201.7	1163.0
11521.2	52.5°	11330.5	10483.8	6421.2	2643.8	1553.7	1431.2	1310.3	1225.0	1161.4	1118.0
12212.8	55°	11943.0	10851.3	6177.7	2239.1	1390.9	1321.1	1280.8	1209.5	1136.6	1085.4
12915.2	57.5°	12487.2	11090.1	5757.5	1859.2	1274.6	1245.2	1249.8	1183.1	1099.4	1056.0
13606.8	60°	12940.0	11265.3	5135.7	1507.2	1180.0	1170.7	1201.7	1133.5	1035.8	986.2
14191.4	62.5°	13211.4	11262.2	4372.8	1234.3	1099.4	1102.5	1138.2	1071.5	972.2	925.7
14496.8	65°	13188.1	10986.2	3535.4	1056.0	1021.9	1025.0	1071.5	1003.3	919.5	891.6
14343.3	67.5°	12721.4	10313.2	2712.1	939.7	936.6	950.5	1004.8	956.7	887.0	883.9
13428.5	70°	11457.6	8916.1	1953.8	846.6	848.2	868.4	939.7	927.3	869.9	876.1
11290.1	72.5°	9187.5	6798.0	1311.8	749.0	750.5	783.1	877.7	904.0	852.8	935.0
8010.6	75°	6118.8	4239.4	843.5	645.1	646.6	688.5	823.4	859.0	806.3	931.9
4168.1	77.5°	2940.0	1905.7	610.9	542.7	542.7	581.5	711.7	769.1	686.9	724.1
1339.7	80°	1015.7	716.4	480.7	437.3	428.0	454.3	600.1	666.8	592.3	545.8
437.3	82.5°	400.1	372.2	386.1	339.6	308.6	325.6	466.7	550.5	435.7	393.9
246.6	85°	229.5	241.9	272.9	224.8	178.3	200.0	342.7	395.4	328.7	290.0
80.6	87.5°	62.0	85.3	125.6	116.3	80.6	85.3	162.8	218.6	189.2	145.8
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°
3273.4
3357.1
3490.5
3651.7
3800.6
3853.3
3854.9
3786.6
3626.9
3400.5
3163.3
2946.2
2753.9
2513.6
2243.8
1975.5
1735.2
1533.6
1333.5
1220.3
1149.0
1099.4
1065.3
1028.1
964.5
911.8
890.1
888.5
874.6
947.4
939.7
663.7
511.7
392.3
296.2
150.4
0.0

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