

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: P849288

Luminaire Tested: **GLAN-SB6B-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849288
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-SB6B-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33007 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

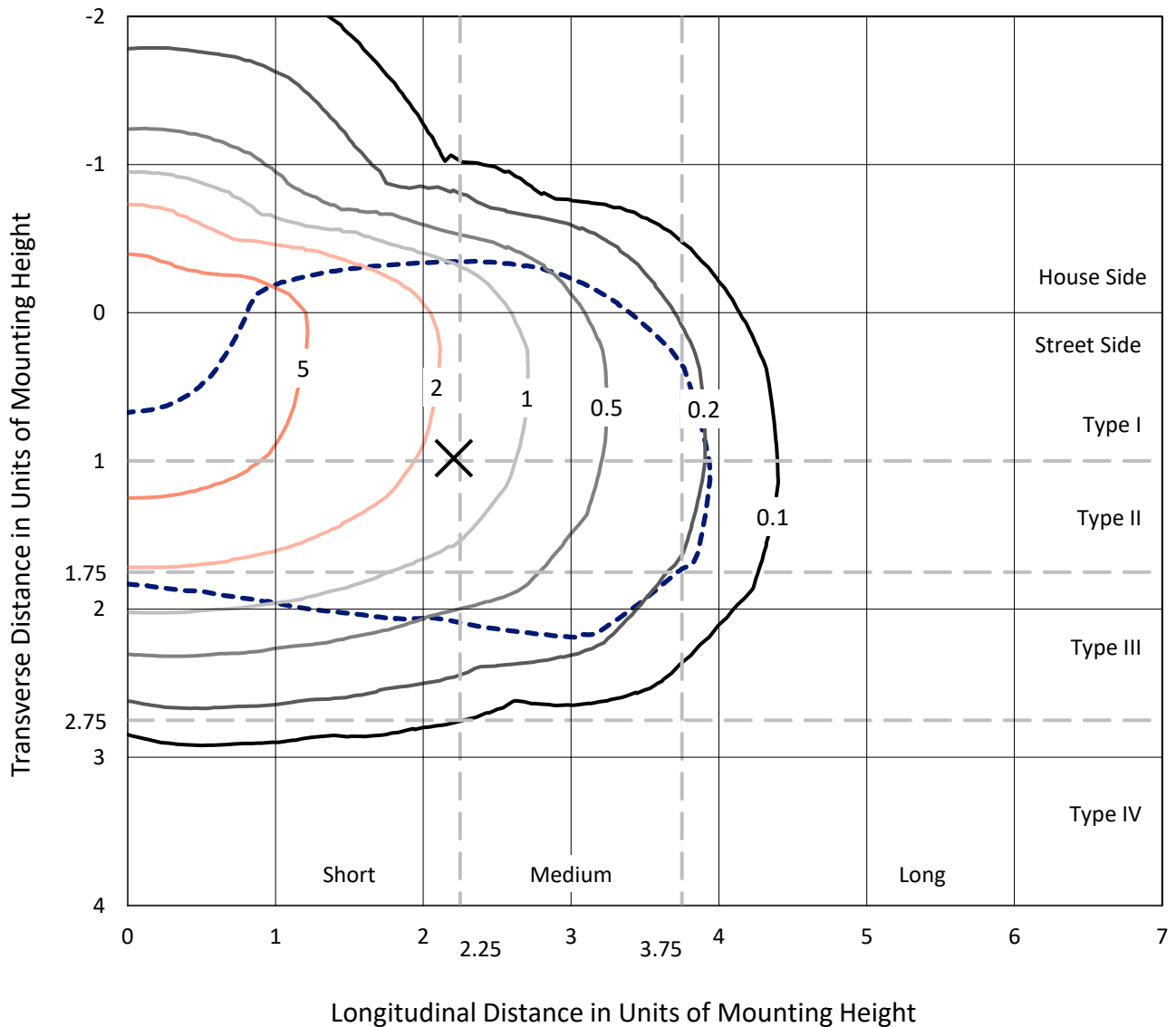
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

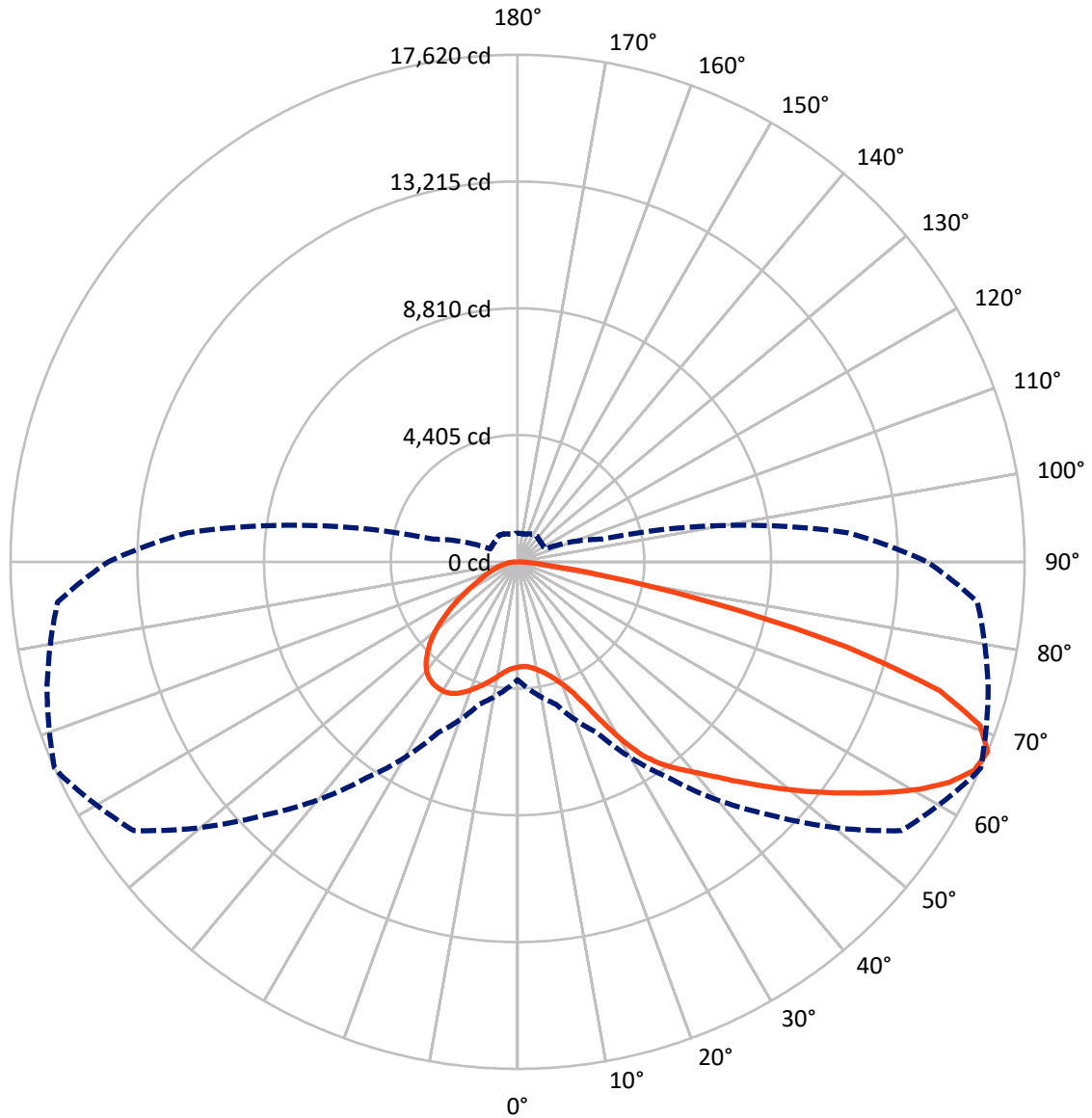
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	8207.1	0.0	8207.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	24799.9	0.0	24799.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	33007.0	0.0	33007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.0	1.1
10°-20°	1199.2	3.6
20°-30°	2311.4	7.0
30°-40°	4052.7	12.3
40°-50°	6025.0	18.3
50°-60°	7637.3	23.1
60°-70°	7472.9	22.6
70°-80°	3564.6	10.8
80°-90°	381.0	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°	33007.0	100.0
0°-180°	33007.0	100.0

Coefficient of Utilization

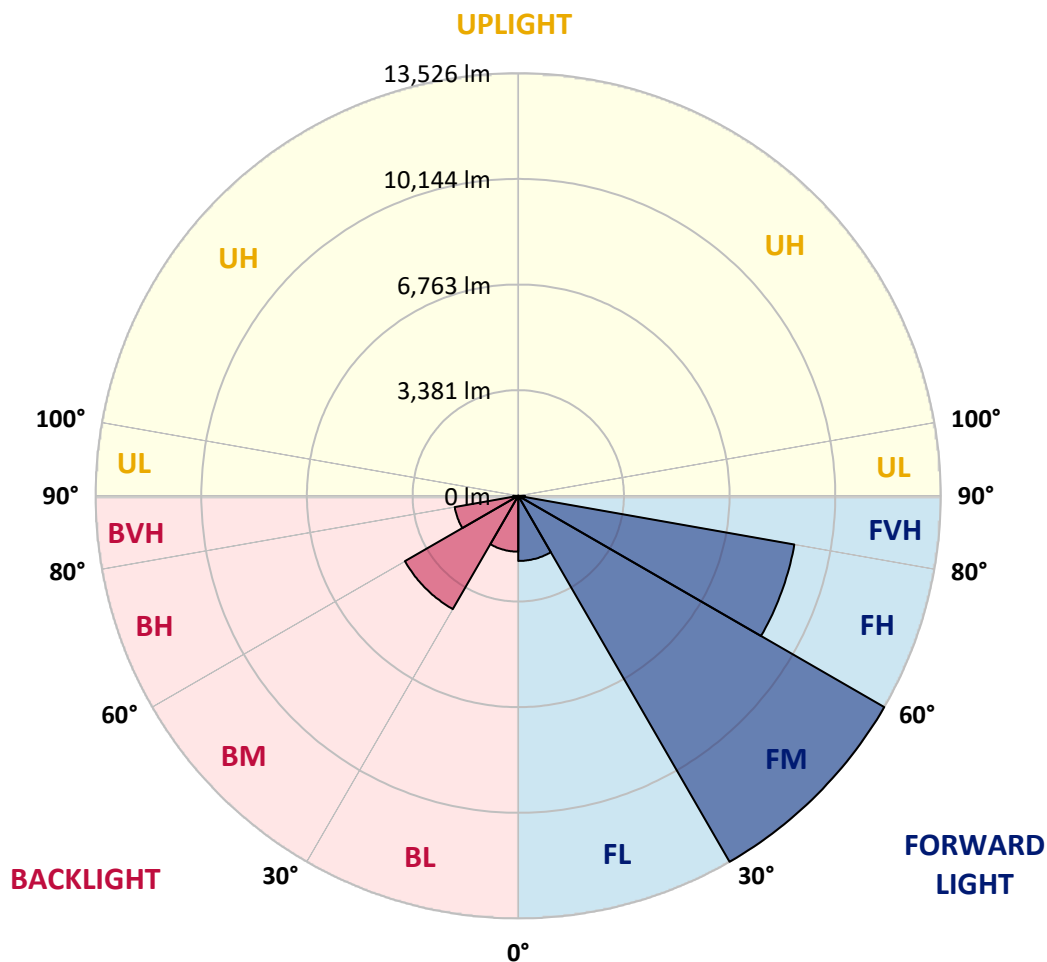


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2085.7	6.3			
FM (30°-60°)	13526.0	41.0			
FH (60°-80°)	8972.2	27.2			G4/12000
FVH (80°-90°)	216.0	0.7			G2/225
BL (0°-30°)	1787.8	5.4	B3/2500		
BM (30°-60°)	4189.0	12.7	B3/5000		
BH (60°-80°)	2065.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	165.0	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°	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9
2.5°	3622.8	3643.6	3638.4	3629.7	3628.0	3631.4	3636.6	3641.8	3640.1	3648.8
5°	3612.4	3633.2	3631.4	3631.4	3638.4	3652.2	3660.9	3669.6	3660.9	3671.3
7.5°	3619.3	3634.9	3641.8	3648.8	3666.1	3692.1	3712.9	3732.0	3721.6	3733.7
10°	3707.7	3719.9	3726.8	3726.8	3739.0	3768.4	3789.2	3823.9	3815.3	3834.3
12.5°	3869.0	3881.2	3881.2	3874.2	3882.9	3902.0	3908.9	3947.1	3931.4	3962.7
15°	4066.7	4091.0	4071.9	4059.8	4063.2	4082.3	4080.6	4110.1	4094.5	4120.5
17.5°	4285.2	4316.4	4285.2	4283.5	4276.6	4297.4	4299.1	4325.1	4297.4	4316.4
20°	4543.6	4587.0	4561.0	4569.6	4554.0	4562.7	4571.4	4609.5	4566.2	4580.0
22.5°	4907.8	4959.8	4932.1	4965.0	4954.6	4947.7	4946.0	5013.6	4946.0	4951.2
25°	5438.5	5500.9	5452.3	5497.4	5497.4	5520.0	5546.0	5632.7	5520.0	5487.0
27.5°	6222.3	6284.8	6189.4	6217.1	6208.5	6264.0	6236.2	6451.3	6329.9	6276.1
30°	7165.7	7276.7	7096.4	7089.4	7080.8	7169.2	7209.1	7351.3	7228.2	7174.4
32.5°	8185.5	8301.7	8086.6	8024.2	7991.2	8045.0	8012.0	8126.5	8041.5	7958.3
35°	9264.1	9378.6	9174.0	9052.6	8920.8	8808.0	8690.1	8719.6	8639.8	8513.2
37.5°	10283.9	10493.7	10276.9	10146.8	9904.1	9683.8	9354.3	9217.3	9142.7	9026.6
40°	11322.6	11442.3	11277.6	11166.6	10903.0	10557.9	10030.7	9741.0	9640.5	9527.7
42.5°	12087.4	12201.9	12113.4	12037.1	11830.8	11430.2	10748.6	10386.2	10240.5	10113.9
45°	12694.4	12779.4	12723.9	12751.6	12663.2	12274.7	11492.6	11078.1	10927.2	10772.9
47.5°	12938.9	13029.1	13117.5	13282.3	13433.2	13147.0	12292.1	11827.3	11667.7	11509.9
50°	12911.2	13003.1	13259.8	13610.1	14078.3	13982.9	13134.9	12625.0	12477.6	12297.3
52.5°	12689.2	12793.3	13122.7	13705.4	14451.2	14609.0	13993.3	13448.8	13310.0	13095.0
55°	12106.5	12168.9	12663.2	13488.7	14539.6	15046.0	14834.4	14326.3	14187.6	13887.5
57.5°	11026.1	11116.3	11836.0	12904.2	14317.6	15342.5	15573.2	15248.9	15115.4	14683.5
60°	9616.2	9760.1	10583.9	11922.7	13752.3	15340.8	16244.3	16155.9	16044.9	15467.4
62.5°	8020.7	8187.2	8979.7	10535.3	12763.8	14905.5	16664.0	16915.5	16858.2	16190.6
65°	6159.9	6274.4	7063.4	8740.4	11225.5	13970.8	16712.6	17434.0	17444.4	16740.3
67.5°	4101.4	4430.9	5115.9	6558.8	9165.3	12442.9	16285.9	17519.0	17619.6	16929.3
70°	2001.3	2434.8	3106.0	4262.7	6558.8	10100.0	15170.8	16821.8	17045.5	16377.9
72.5°	830.7	971.2	1337.1	2103.6	3765.0	6815.4	12930.3	14931.5	15346.0	14511.9
75°	560.1	607.0	764.8	1078.7	1715.1	3360.9	9324.8	11133.6	11801.3	10960.2
77.5°	431.8	461.3	556.7	754.4	1019.7	1271.2	4991.0	6709.6	7054.8	6531.0
80°	339.9	362.4	416.2	549.7	723.2	679.8	1701.3	3040.1	3239.5	2717.5
82.5°	294.8	303.5	298.3	372.9	480.4	397.1	558.4	1122.0	1238.2	898.3
85°	213.3	237.6	248.0	230.6	254.9	201.2	228.9	397.1	437.0	390.2
87.5°	86.7	128.3	157.8	149.1	93.6	57.2	71.1	116.2	133.5	145.7
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°
3660.9	0°	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9	3660.9
3662.6	2.5°	3664.4	3676.5	3685.2	3695.6	3702.5	3712.9	3733.7	3745.9	3747.6	3756.3
3690.4	5°	3697.3	3714.7	3733.7	3761.5	3792.7	3818.7	3858.6	3886.4	3896.8	3905.4
3758.0	7.5°	3768.4	3792.7	3827.4	3876.0	3921.0	3955.7	4004.3	4037.2	4070.2	4082.3
3865.5	10°	3874.2	3908.9	3959.2	4025.1	4073.7	4118.7	4169.0	4196.8	4229.7	4243.6
3993.9	12.5°	4006.0	4042.4	4108.3	4200.3	4245.3	4276.6	4293.9	4287.0	4293.9	4306.0
4148.2	15°	4156.9	4196.8	4271.4	4370.2	4401.4	4373.7	4335.5	4300.8	4295.6	4299.1
4335.5	17.5°	4335.5	4365.0	4451.7	4535.0	4512.4	4398.0	4314.7	4259.2	4231.5	4222.8
4574.8	20°	4585.2	4585.2	4656.3	4708.4	4557.5	4363.3	4233.2	4143.0	4085.8	4061.5
4900.9	22.5°	4888.7	4861.0	4906.1	4869.7	4548.8	4266.2	4085.8	3929.7	3843.0	3808.3
5357.0	25°	5273.7	5240.8	5228.6	5003.2	4486.4	4111.8	3818.7	3629.7	3553.4	3534.3
6014.2	27.5°	5854.7	5771.4	5613.6	5076.0	4371.9	3869.0	3506.6	3331.4	3288.1	3289.8
6858.8	30°	6628.1	6461.7	6074.9	5088.2	4184.6	3525.6	3187.5	3062.6	3041.8	3050.5
7568.1	32.5°	7344.4	7186.6	6546.6	5032.7	3896.8	3189.2	2901.3	2818.1	2786.9	2797.3
8109.2	35°	7906.3	7862.9	6983.7	4954.6	3543.0	2873.6	2644.7	2573.6	2512.9	2499.0
8619.0	37.5°	8436.9	8419.6	7311.4	4845.4	3192.7	2649.9	2438.3	2344.6	2256.2	2207.6
9182.6	40°	9019.6	9002.3	7526.5	4677.2	2882.3	2455.6	2252.7	2129.6	2020.4	1931.9
9820.8	42.5°	9675.1	9572.8	7628.8	4436.1	2618.7	2290.9	2101.9	1935.4	1791.4	1709.9
10542.2	45°	10391.4	10160.7	7627.0	4129.1	2396.7	2140.0	1940.6	1704.7	1571.2	1494.9
11282.8	47.5°	11151.0	10722.6	7533.4	3789.2	2181.6	1973.5	1690.9	1510.5	1422.1	1375.2
12087.4	50°	11934.8	11248.1	7373.9	3399.0	1961.4	1784.5	1534.8	1411.6	1344.0	1300.7
12885.2	52.5°	12671.9	11725.0	7181.4	2956.8	1737.7	1600.7	1465.4	1370.0	1298.9	1250.4
13658.6	55°	13356.9	12136.0	6909.1	2504.2	1555.6	1477.5	1432.5	1352.7	1271.2	1213.9
14444.2	57.5°	13965.6	12403.1	6439.1	2079.3	1425.5	1392.6	1397.8	1323.2	1229.6	1181.0
15217.7	60°	14472.0	12599.0	5743.7	1685.6	1319.7	1309.3	1344.0	1267.7	1158.5	1103.0
15871.5	62.5°	14775.4	12595.6	4890.5	1380.4	1229.6	1233.0	1272.9	1198.3	1087.3	1035.3
16213.1	65°	14749.4	12286.9	3954.0	1181.0	1142.8	1146.3	1198.3	1122.0	1028.4	997.2
16041.4	67.5°	14227.4	11534.2	3033.1	1050.9	1047.5	1063.1	1123.8	1070.0	992.0	988.5
15018.2	70°	12814.1	9971.7	2185.1	946.9	948.6	971.2	1050.9	1037.1	972.9	979.8
12626.8	72.5°	10275.2	7602.8	1467.1	837.6	839.4	875.8	981.6	1011.0	953.8	1045.7
8958.9	75°	6843.2	4741.3	943.4	721.4	723.2	770.0	920.9	960.8	901.8	1042.3
4661.6	77.5°	3288.1	2131.3	683.3	607.0	607.0	650.3	796.0	860.2	768.3	809.9
1498.4	80°	1135.9	801.2	537.6	489.0	478.6	508.1	671.1	745.7	662.5	610.4
489.0	82.5°	447.4	416.2	431.8	379.8	345.1	364.2	522.0	615.6	487.3	440.5
275.7	85°	256.7	270.5	305.2	251.5	199.4	223.7	383.3	442.2	367.7	324.3
90.2	87.5°	69.4	95.4	140.5	130.1	90.2	95.4	182.1	244.5	211.6	163.0
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°
3660.9
3754.6
3903.7
4084.1
4250.5
4309.5
4311.2
4234.9
4056.3
3803.1
3537.8
3295.0
3080.0
2811.2
2509.4
2209.4
1940.6
1715.1
1491.4
1364.8
1285.0
1229.6
1191.4
1149.8
1078.7
1019.7
995.4
993.7
978.1
1059.6
1050.9
742.2
572.3
438.8
331.2
168.2
0.0

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