

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: P852666

Luminaire Tested: **GLAN-SB5C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA 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: 28108 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

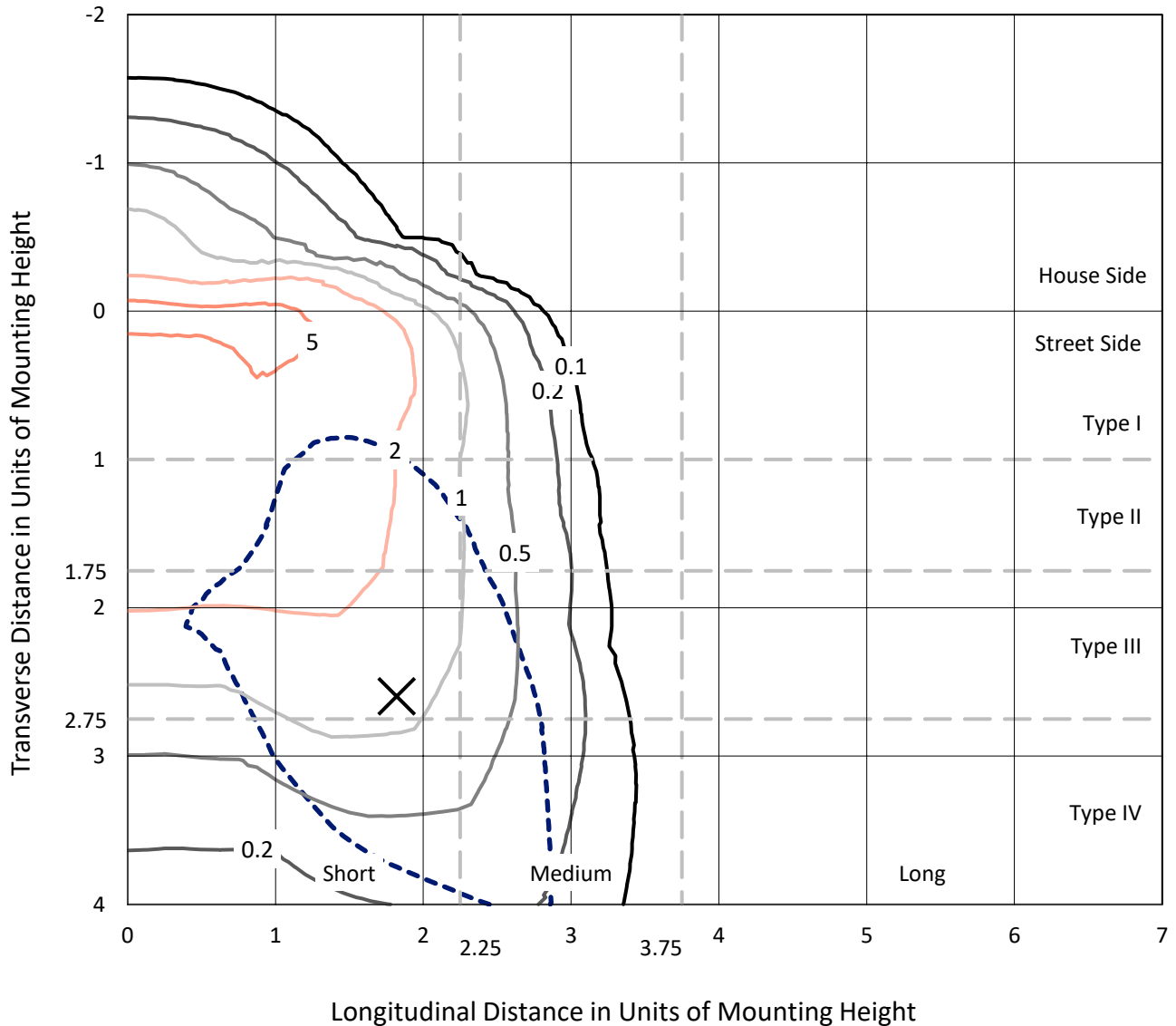
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

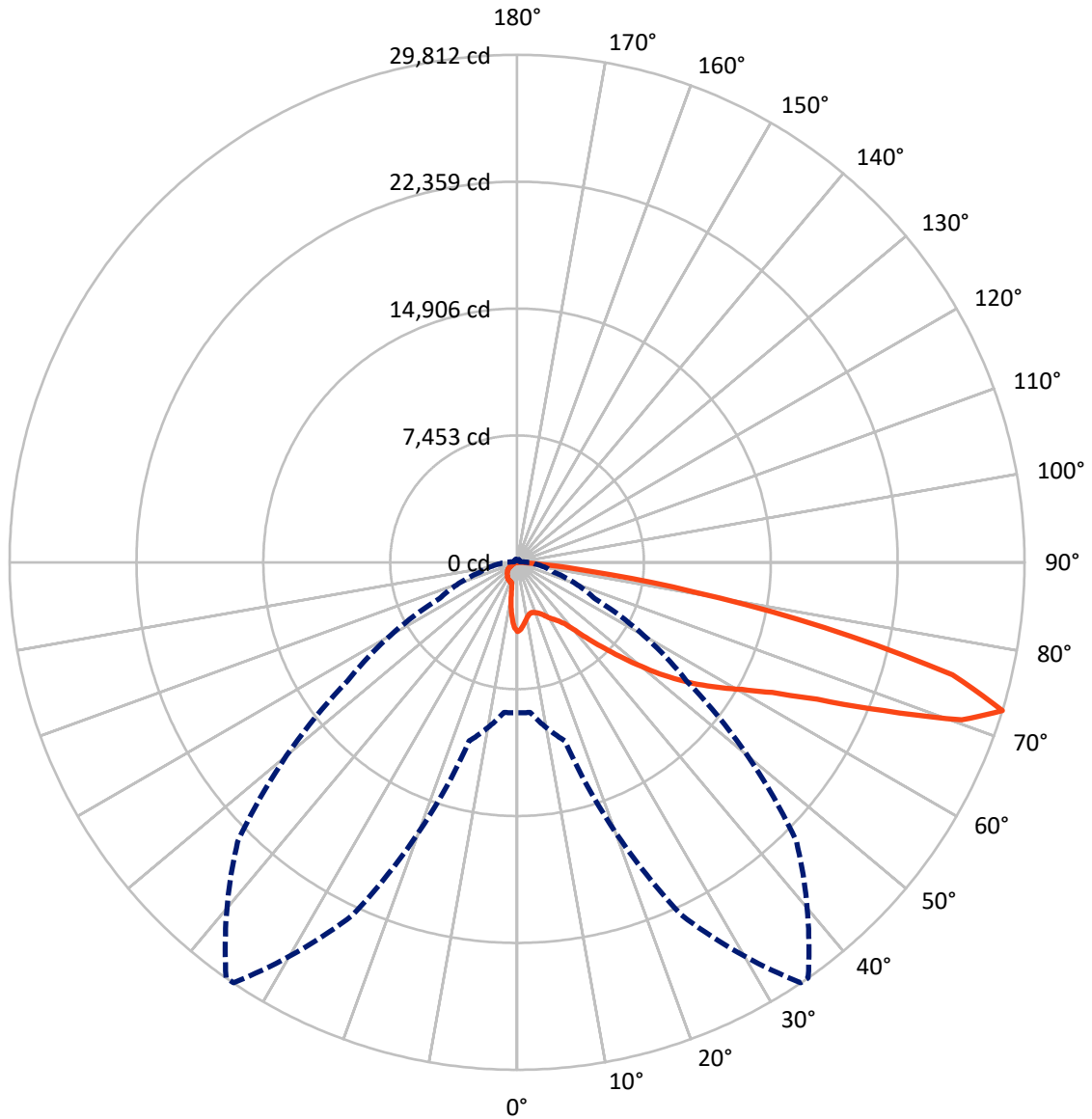
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3163.4	0.0	3163.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24944.6	0.0	24944.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	28108.0	0.0	28108.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.8	1.2
10°-20°	783.1	2.8
20°-30°	1272.2	4.5
30°-40°	2122.6	7.6
40°-50°	4016.0	14.3
50°-60°	6381.4	22.7
60°-70°	7894.3	28.1
70°-80°	4907.1	17.5
80°-90°	396.6	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°	28108.0	100.0
0°-180°	28108.0	100.0

Coefficient of Utilization



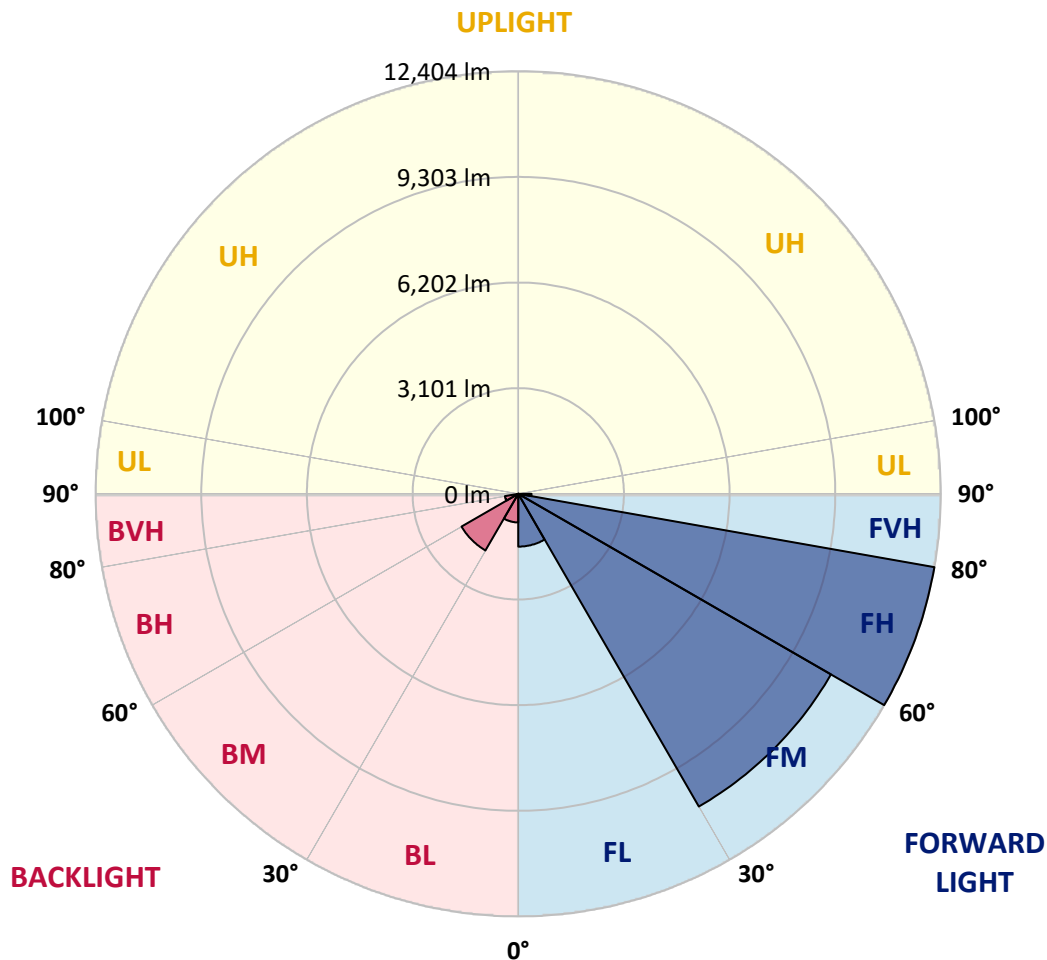
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1549.5	5.5			
FM	(30°-60°)	10599.5	37.7			
FH	(60°-80°)	12404.4	44.1			G5
FVH	(80°-90°)	391.2	1.4			G3/500
BL	(0°-30°)	840.6	3.0	B2/1000		
BM	(30°-60°)	1920.5	6.8	B2/2500		
BH	(60°-80°)	397.0	1.4	B1/500		G1/500
BVH	(80°-90°)	5.4	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8
2.5°	3892.6	3925.5	3931.7	3942.0	3942.0	3954.3	3974.9	4003.8	4051.1	4075.9
5°	3587.7	3612.5	3643.3	3668.1	3715.4	3721.6	3801.9	3880.2	3989.4	4071.7
7.5°	3280.9	3309.7	3350.9	3410.6	3472.4	3490.9	3612.5	3744.3	3917.3	4071.7
10°	3064.6	3066.7	3103.7	3163.5	3262.3	3285.0	3433.3	3620.7	3836.9	4047.0
12.5°	2943.1	2957.5	2974.0	3019.3	3114.0	3128.5	3287.0	3507.4	3756.6	4032.6
15°	2943.1	2953.4	2963.7	2986.3	3062.6	3074.9	3215.0	3435.3	3715.4	4038.8
17.5°	2974.0	2990.5	2982.2	3009.0	3089.3	3097.6	3221.1	3414.7	3713.4	4077.9
20°	3048.1	3060.5	3044.0	3060.5	3140.8	3157.3	3285.0	3453.9	3748.4	4145.9
22.5°	3165.5	3171.7	3132.6	3144.9	3227.3	3247.9	3396.2	3565.1	3832.8	4255.0
25°	3313.8	3326.2	3266.4	3280.9	3359.1	3383.8	3554.8	3731.9	3966.7	4405.4
27.5°	3484.8	3490.9	3439.4	3437.4	3538.3	3573.3	3746.3	3937.9	4145.9	4594.9
30°	3680.4	3699.0	3649.5	3641.3	3769.0	3797.8	3968.8	4191.2	4409.5	4879.1
32.5°	3834.9	3849.3	3820.5	3841.1	3970.8	3993.5	4238.6	4549.5	4823.5	5282.7
35°	4057.3	4065.6	3999.6	4036.7	4185.0	4242.7	4607.2	5052.1	5344.5	5789.4
37.5°	4862.6	4862.6	4582.5	4399.2	4541.3	4592.8	5111.8	5684.4	5987.1	6469.0
40°	5976.8	5958.3	5548.4	5173.6	5155.1	5256.0	5830.6	6481.4	6817.1	7284.6
42.5°	7165.2	7136.3	6578.2	6207.5	6145.7	6180.7	6660.6	7463.8	7805.7	8279.4
45°	8219.7	8211.4	7700.7	7202.2	7091.0	7202.2	7696.5	8613.0	8858.1	9356.5
47.5°	9103.2	9103.2	8730.4	8405.0	8347.4	8413.3	9099.1	9887.9	9865.2	10503.7
50°	10120.6	10112.4	9758.2	9618.1	9677.8	9770.5	10713.8	11230.7	10907.4	11630.3
52.5°	10833.2	10882.7	10761.2	10738.5	11043.3	11204.0	12353.2	12544.7	11840.4	12699.2
55°	11397.6	11455.2	11595.3	11753.9	12340.8	12550.9	13941.1	13790.8	12620.9	13626.0
57.5°	12196.7	12114.3	12330.5	12643.6	13593.0	13846.4	15479.6	14966.8	13249.1	14377.7
60°	13166.7	13179.1	13216.1	13611.6	14843.2	15168.6	16995.4	16078.9	13652.8	14839.1
62.5°	14332.4	14351.0	14427.2	15034.7	16521.7	16828.6	18610.1	16989.2	13838.1	14709.3
65°	14252.1	14330.4	15180.9	17259.0	19073.5	19376.3	20494.6	17627.7	13558.0	13523.0
67.5°	12983.4	13111.1	14534.3	19915.9	22920.7	23258.5	22772.5	17753.3	12349.1	10516.1
70°	11319.3	11364.6	13076.1	22304.9	27375.6	27717.4	24811.4	16371.4	9371.0	5865.6
72.5°	8839.6	8849.9	10858.0	22859.0	29793.5	29812.0	23211.1	12153.4	5039.7	2253.1
75°	6314.6	6252.8	7272.3	18538.0	26211.9	26422.0	17401.1	5700.8	1925.7	1064.8
77.5°	3385.9	3453.9	4115.0	10993.9	18107.6	18465.9	9494.5	1643.5	980.3	725.0
80°	1046.3	1103.9	1686.8	5033.5	10256.6	10472.8	3519.8	731.1	683.8	516.9
82.5°	329.5	341.9	786.7	2115.2	4257.1	4356.0	1019.5	414.0	467.5	341.9
85°	94.7	96.8	350.1	788.8	1052.4	1073.0	286.3	160.6	267.7	212.1
87.5°	10.3	33.0	131.8	131.8	92.7	90.6	30.9	35.0	76.2	26.8
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°
4073.8	0°	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8	4073.8
4092.3	2.5°	4082.0	4084.1	4057.3	4012.0	3962.6	3921.4	3869.9	3828.7	3799.9	3791.6
4129.4	5°	4110.9	4096.4	4020.2	3882.3	3717.5	3575.4	3416.8	3291.2	3208.8	3173.8
4168.5	7.5°	4154.1	4112.9	3946.1	3674.2	3359.1	3079.0	2794.8	2574.4	2434.4	2364.4
4205.6	10°	4191.2	4108.8	3822.5	3373.5	2891.6	2467.3	2084.3	1818.6	1670.3	1600.3
4248.9	12.5°	4226.2	4106.7	3661.9	3017.2	2364.4	1845.4	1489.1	1357.2	1316.1	1301.6
4318.9	15°	4292.1	4112.9	3460.0	2609.5	1839.2	1394.3	1264.6	1262.5	1270.7	1266.6
4426.0	17.5°	4382.7	4119.1	3231.4	2176.9	1419.0	1229.6	1223.4	1241.9	1254.3	1248.1
4559.8	20°	4500.1	4143.8	2988.4	1748.6	1219.3	1188.4	1202.8	1219.3	1229.6	1219.3
4739.0	22.5°	4664.9	4187.1	2722.7	1404.6	1155.4	1163.6	1176.0	1194.5	1204.8	1190.4
4967.6	25°	4866.7	4255.0	2461.2	1221.3	1124.5	1134.8	1153.3	1173.9	1186.3	1171.9
5256.0	27.5°	5128.3	4364.2	2220.2	1180.1	1093.6	1099.8	1126.6	1157.5	1173.9	1155.4
5665.8	30°	5507.2	4543.4	2012.2	1198.7	1075.1	1060.7	1097.7	1141.0	1159.5	1143.1
6224.0	32.5°	6009.8	4796.7	1884.5	1227.5	1066.8	1015.4	1050.4	1106.0	1136.9	1126.6
6953.0	35°	6668.8	5181.8	1835.1	1260.4	1060.7	968.0	992.7	1052.4	1106.0	1116.3
7871.6	37.5°	7467.9	5717.3	1849.5	1274.9	1042.1	928.9	941.2	992.7	1062.7	1095.7
8905.5	40°	8376.2	6341.4	1931.9	1260.4	1021.5	895.9	898.0	937.1	998.9	1048.3
10017.7	42.5°	9313.3	7070.4	2084.3	1206.9	1003.0	867.1	860.9	887.7	928.9	963.9
11127.8	45°	10205.1	7820.1	2234.6	1132.8	980.3	838.2	823.8	834.1	842.4	856.8
12209.0	47.5°	10983.6	8347.4	2191.4	1064.8	949.5	805.3	780.6	776.5	751.7	749.7
13174.9	50°	11521.1	8462.7	1946.3	996.8	904.1	768.2	729.1	704.4	661.1	640.5
13897.8	52.5°	11692.1	8007.5	1590.0	928.9	830.0	718.8	663.2	624.0	570.5	552.0
14313.9	55°	11465.5	7115.7	1270.7	846.5	727.0	652.9	591.1	539.6	496.4	473.7
14359.2	57.5°	10911.5	5980.9	1005.1	749.7	617.9	578.7	516.9	465.5	428.4	405.7
13856.7	60°	9992.9	4749.3	795.0	634.3	527.2	498.4	434.6	401.6	368.7	341.9
12559.1	62.5°	8598.6	3390.0	624.0	502.5	440.7	407.8	370.7	346.0	306.9	269.8
10225.7	65°	6710.0	2074.0	481.9	368.7	354.2	337.8	315.1	292.5	245.1	208.0
6670.9	67.5°	4232.4	982.4	343.9	278.0	280.1	271.9	261.6	243.0	208.0	175.1
2988.4	70°	1863.9	475.8	226.6	212.1	208.0	208.0	216.3	210.1	177.1	146.2
1038.0	72.5°	634.3	255.4	168.9	160.6	150.3	148.3	181.2	175.1	142.1	113.3
516.9	75°	331.6	170.9	123.6	115.3	90.6	109.2	144.2	135.9	100.9	74.1
341.9	77.5°	216.3	121.5	84.4	74.1	51.5	72.1	107.1	94.7	59.7	37.1
224.5	80°	135.9	80.3	49.4	35.0	24.7	39.1	57.7	41.2	22.7	8.2
131.8	82.5°	72.1	41.2	18.5	12.4	10.3	12.4	14.4	10.3	4.1	0.0
68.0	85°	28.8	14.4	6.2	4.1	2.1	0.0	4.1	2.1	0.0	0.0
12.4	87.5°	10.3	2.1	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°
4073.8
3806.0
3186.1
2374.7
1602.3
1297.5
1264.6
1246.0
1217.2
1188.4
1169.8
1155.4
1141.0
1126.6
1116.3
1103.9
1064.8
978.3
865.0
747.6
642.6
549.9
473.7
401.6
335.7
263.6
201.8
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107.1
68.0
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