

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: P850727

Luminaire Tested: **GLAN-SB8B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31758 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

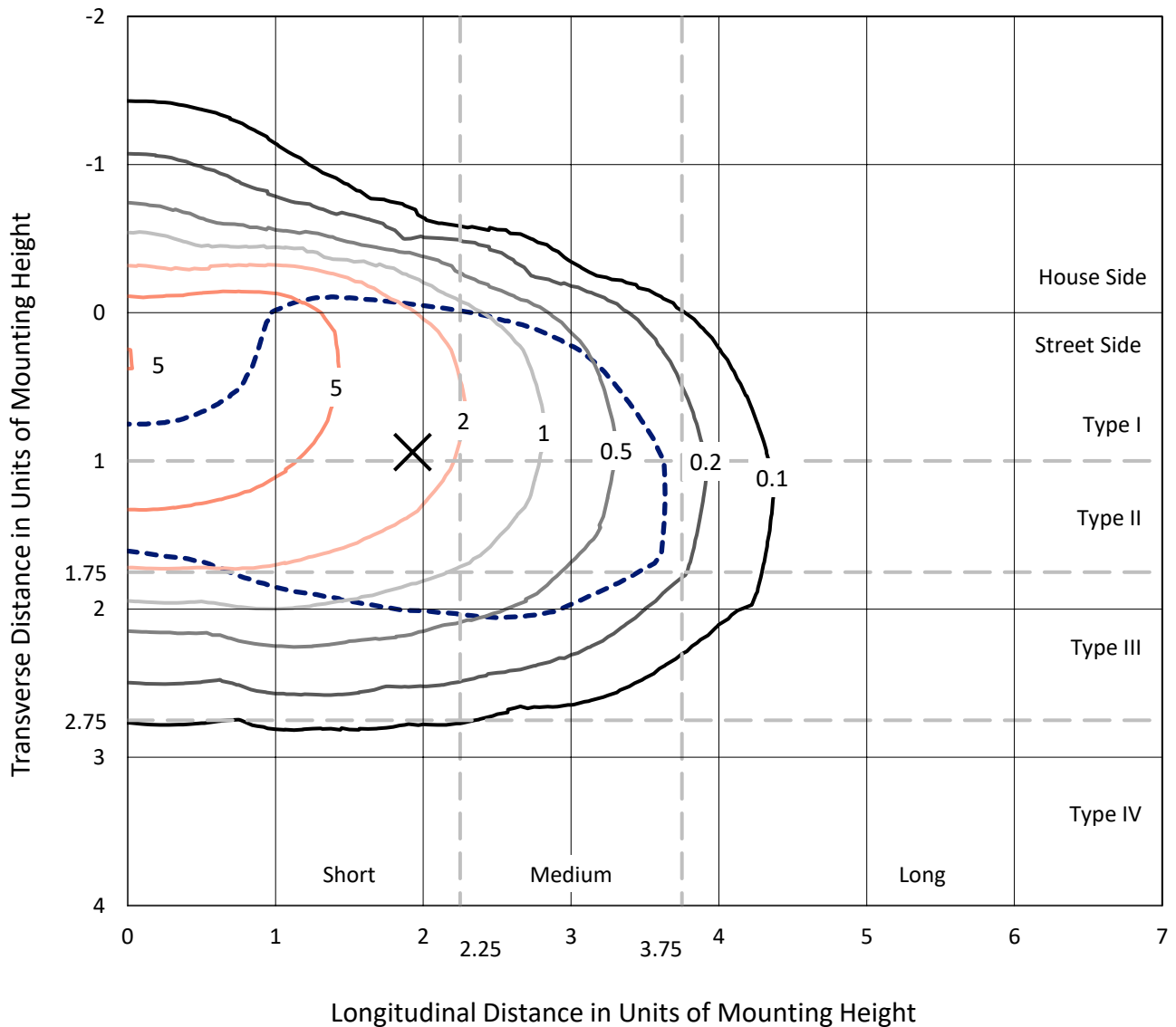
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

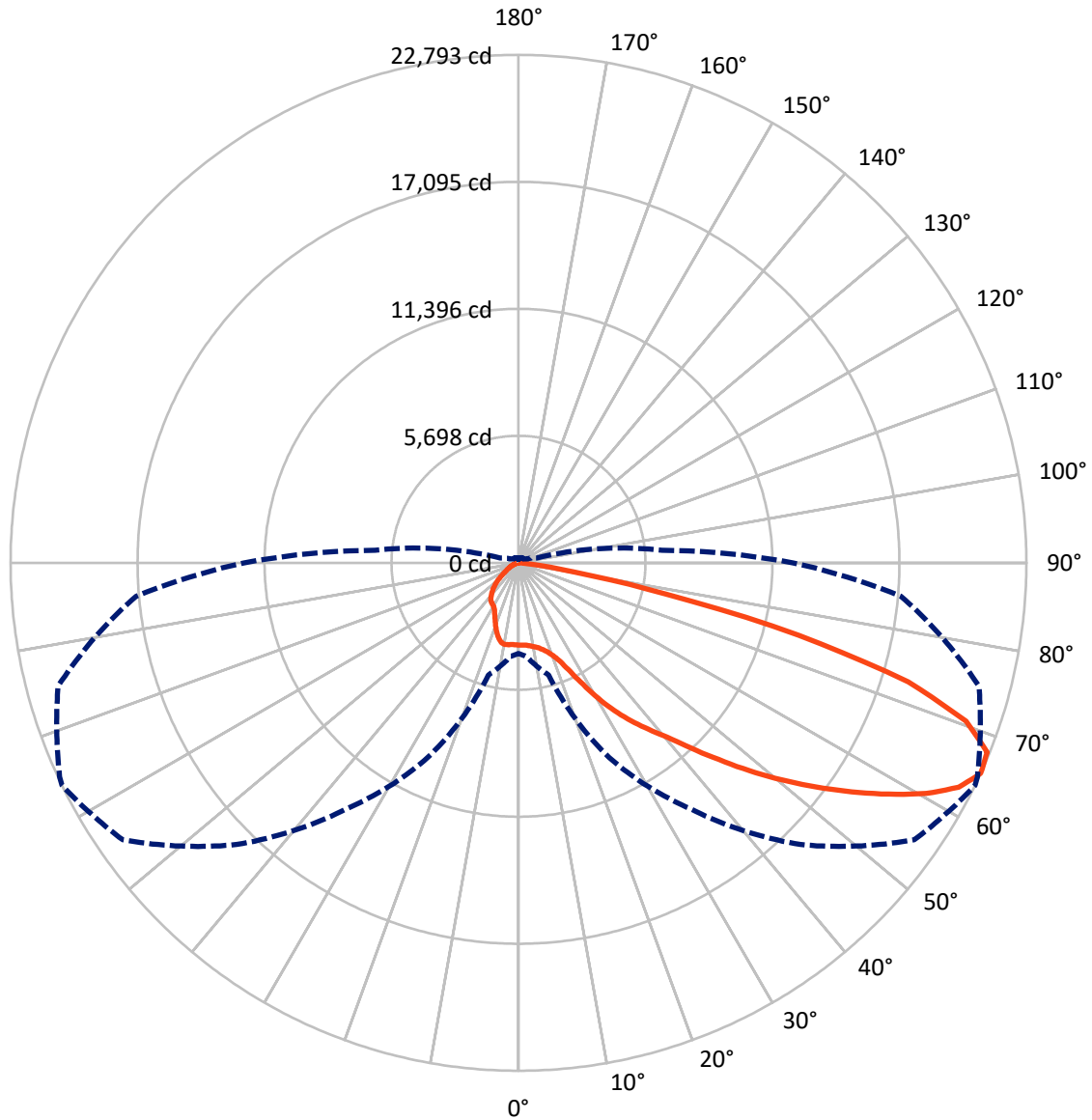
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Short - N/A

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CATALOG NUMBER: GLAN-SB8B-840-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4247.0	0.0	4247.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27511.0	0.0	27511.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	31758.0	0.0	31758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	1.1
10°-20°	924.3	2.9
20°-30°	1751.5	5.5
30°-40°	3544.2	11.2
40°-50°	6037.6	19.0
50°-60°	8210.7	25.9
60°-70°	7710.2	24.3
70°-80°	3089.1	9.7
80°-90°	149.7	0.5
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°	31758.0	100.0
0°-180°	31758.0	100.0

Coefficient of Utilization



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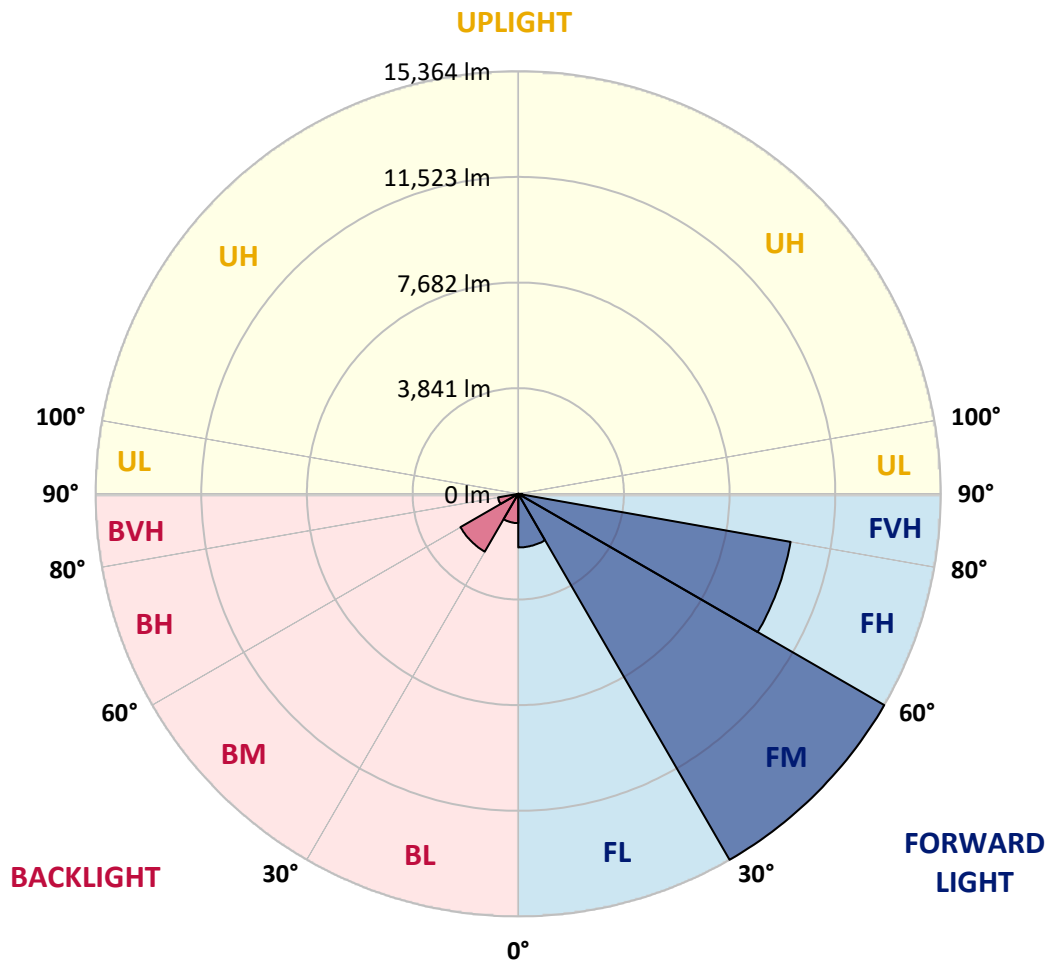
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1950.3	6.1			
FM (30°-60°)	15364.5	48.4			
FH (60°-80°)	10053.9	31.7			G4/12000
FVH (80°-90°)	142.3	0.4			G2/225
BL (0°-30°)	1066.3	3.4	B3/2500		
BM (30°-60°)	2428.0	7.6	B2/2500		
BH (60°-80°)	745.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.3	0.0			G0/10
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



REPORT NUMBER: P850727
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8
2.5°	3681.0	3706.6	3700.2	3693.8	3691.7	3695.9	3698.0	3695.9	3695.9	3695.9
5°	3610.8	3632.0	3632.0	3646.9	3668.2	3693.8	3712.9	3717.2	3721.5	3727.8
7.5°	3476.6	3493.7	3506.4	3555.4	3608.6	3676.8	3734.2	3764.0	3768.3	3791.7
10°	3385.1	3406.4	3427.7	3478.8	3555.4	3657.6	3755.5	3827.9	3838.6	3893.9
12.5°	3380.8	3402.1	3429.8	3485.1	3574.6	3683.1	3802.4	3906.7	3925.8	4006.7
15°	3425.5	3451.1	3476.6	3544.8	3640.6	3772.6	3900.3	4030.2	4049.3	4164.3
17.5°	3517.1	3551.1	3570.3	3638.4	3740.6	3887.5	4055.7	4204.7	4221.8	4355.9
20°	3698.0	3738.5	3744.9	3800.2	3900.3	4057.8	4258.0	4443.2	4464.5	4617.8
22.5°	4072.7	4130.2	4079.1	4106.8	4196.2	4353.8	4570.9	4805.1	4834.9	5009.5
25°	4732.7	4813.6	4681.6	4634.8	4673.1	4837.0	5109.6	5405.5	5439.6	5580.1
27.5°	6029.3	5925.0	5724.8	5529.0	5414.0	5507.7	5814.3	6180.4	6223.0	6359.3
30°	7453.6	7362.0	7091.6	6657.3	6384.8	6369.9	6653.1	7061.8	7110.8	7240.7
32.5°	8880.0	8792.7	8498.9	7964.5	7491.9	7257.7	7453.6	7907.0	7932.6	8015.6
35°	10283.0	10193.6	9899.8	9352.6	8771.4	8239.2	8200.8	8711.8	8720.3	8807.6
37.5°	11694.5	11620.0	11307.0	10770.5	10197.8	9463.3	9107.8	9474.0	9484.6	9569.8
40°	12701.5	12733.4	12518.4	12103.3	11611.5	10808.8	10125.4	10285.1	10221.2	10363.9
42.5°	13565.9	13629.7	13442.4	13233.8	12948.5	12241.7	11385.8	11358.1	11255.9	11332.6
45°	14313.2	14366.4	14198.2	14149.2	14142.8	13646.8	12763.3	12597.2	12454.5	12439.6
47.5°	14587.8	14690.0	14762.4	14926.3	15245.6	15037.0	14187.5	13929.9	13770.3	13653.2
50°	14692.1	14800.7	15047.7	15524.5	16280.3	16369.7	15605.4	15315.9	15120.0	14907.1
52.5°	14551.6	14745.3	15077.5	15880.1	16976.5	17438.5	16965.9	16712.5	16489.0	16141.9
55°	13723.4	13917.2	14596.3	15875.8	17323.5	18187.9	18251.8	18138.9	17887.7	17340.6
57.5°	11977.7	12265.1	13340.2	15335.1	17317.1	18833.0	19512.1	19593.0	19312.0	18528.5
60°	9559.1	9948.7	11260.2	14136.4	16782.8	19182.1	20617.1	21021.6	20723.5	19699.5
62.5°	6670.1	7121.4	8362.6	12258.7	15560.7	18930.9	21424.0	22171.2	21945.6	20746.9
65°	4068.5	4213.3	5213.9	9646.4	13482.8	17879.2	21673.0	22792.9	22718.4	21387.8
67.5°	2710.2	2831.5	3119.0	6614.7	10466.1	15777.9	21076.9	22684.3	22705.6	21283.4
70°	1632.9	1737.2	1924.6	3847.1	6782.9	12488.6	19231.1	21300.5	21424.0	19889.0
72.5°	672.8	743.0	913.3	1743.6	3512.8	7926.2	15313.8	18288.0	18575.4	16723.2
75°	381.1	417.3	536.5	875.0	1524.4	3693.8	9276.0	12982.5	13406.2	11526.3
77.5°	253.3	270.4	347.0	566.3	858.0	1260.4	3964.2	6763.8	7572.8	6295.4
80°	170.3	185.2	238.4	379.0	557.8	540.8	1262.5	2505.8	3082.8	2163.0
82.5°	115.0	117.1	170.3	249.1	353.4	261.9	372.6	779.2	979.3	625.9
85°	66.0	63.9	125.6	144.8	157.5	108.6	112.8	234.2	306.6	264.0
87.5°	8.5	12.8	49.0	38.3	21.3	23.4	23.4	40.5	59.6	63.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P850727
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3693.8	0°	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8	3693.8
3698.0	2.5°	3698.0	3695.9	3689.5	3683.1	3668.2	3659.7	3664.0	3659.7	3657.6	3659.7
3725.7	5°	3725.7	3719.3	3702.3	3681.0	3651.2	3615.0	3591.6	3557.5	3525.6	3506.4
3800.2	7.5°	3800.2	3793.8	3770.4	3710.8	3615.0	3463.9	3325.5	3204.1	3112.6	3059.3
3919.5	10°	3919.5	3908.8	3872.6	3740.6	3489.4	3159.4	2884.8	2657.0	2507.9	2437.7
4060.0	12.5°	4060.0	4047.2	3983.3	3712.9	3251.0	2735.7	2356.8	2103.4	1965.1	1903.3
4221.8	15°	4226.0	4209.0	4083.4	3580.9	2903.9	2267.4	1920.3	1730.9	1641.4	1586.1
4428.3	17.5°	4432.5	4402.7	4157.9	3383.0	2527.1	1909.7	1652.1	1509.4	1430.7	1377.5
4698.7	20°	4700.8	4651.8	4217.5	3146.6	2180.1	1684.0	1471.1	1351.9	1292.3	1245.5
5081.9	22.5°	5075.5	5005.2	4289.9	2891.2	1935.2	1528.6	1337.0	1249.7	1200.7	1147.5
5616.3	25°	5539.6	5456.6	4379.3	2654.8	1767.1	1394.5	1239.1	1166.7	1109.2	1047.5
6316.7	27.5°	6189.0	6039.9	4485.8	2461.1	1622.3	1279.5	1149.7	1068.7	1002.8	951.7
7110.8	30°	6912.8	6668.0	4579.4	2344.0	1490.3	1173.1	1032.6	951.7	889.9	853.7
7824.0	32.5°	7598.3	7266.2	4641.2	2292.9	1371.1	1051.7	904.8	817.5	770.7	760.0
8522.3	35°	8245.6	7807.0	4634.8	2243.9	1264.6	930.4	779.2	689.8	653.6	660.0
9273.8	37.5°	8990.7	8383.9	4590.1	2167.3	1177.3	819.7	670.6	591.9	559.9	562.1
10187.2	40°	9857.2	9050.3	4562.4	2022.5	1081.5	717.5	581.2	517.3	493.9	485.4
11149.5	42.5°	10781.2	9695.4	4566.7	1858.6	962.3	625.9	519.5	466.2	445.0	438.6
12220.4	45°	11709.4	10310.7	4573.1	1688.3	836.7	555.7	474.8	430.1	417.3	408.8
13306.1	47.5°	12582.3	10834.4	4453.8	1505.2	713.2	502.4	438.6	408.8	398.1	387.5
14396.2	50°	13395.6	11183.5	4166.4	1292.3	615.3	459.9	410.9	389.6	379.0	368.3
15384.0	52.5°	14027.9	11238.9	3691.7	1073.0	547.1	427.9	393.9	374.7	361.9	351.3
16182.4	55°	14308.9	10891.9	3016.8	868.6	493.9	400.2	376.8	357.7	342.8	332.1
16810.4	57.5°	14236.5	10161.6	2352.5	698.3	442.8	372.6	355.5	342.8	325.7	308.7
17319.3	60°	13881.0	9184.4	1773.4	581.2	396.0	342.8	332.1	321.5	298.1	272.5
17515.1	62.5°	13265.7	7956.0	1264.6	481.2	344.9	308.7	304.4	295.9	261.9	215.0
17225.6	65°	12324.7	6463.6	851.6	400.2	295.9	270.4	272.5	257.6	212.9	159.7
16165.4	67.5°	10949.4	4726.3	545.0	327.9	247.0	225.7	227.8	219.3	181.0	136.3
14155.6	70°	9197.2	3129.6	355.5	249.1	198.0	174.6	187.4	189.5	153.3	110.7
10864.2	72.5°	6742.5	1848.0	249.1	185.2	144.8	121.4	153.3	157.5	123.5	83.0
6536.0	75°	3842.8	877.1	187.4	134.1	89.4	85.2	119.2	119.2	85.2	55.4
2829.4	77.5°	1613.8	366.2	132.0	87.3	51.1	49.0	80.9	74.5	42.6	25.5
689.8	80°	466.2	163.9	70.3	42.6	21.3	19.2	31.9	23.4	10.6	4.3
261.9	82.5°	183.1	72.4	27.7	17.0	8.5	8.5	4.3	0.0	0.0	0.0
149.0	85°	108.6	29.8	12.8	6.4	2.1	0.0	0.0	0.0	0.0	0.0
31.9	87.5°	27.7	6.4	4.3	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°
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3693.8
3668.2
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1588.2
1373.2
1236.9
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1041.1
941.0
847.3
766.4
660.0
570.6
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436.4
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