

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: P849727

Luminaire Tested: **GLAN-SB6D-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849727
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-SB6D-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA 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: 31166 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

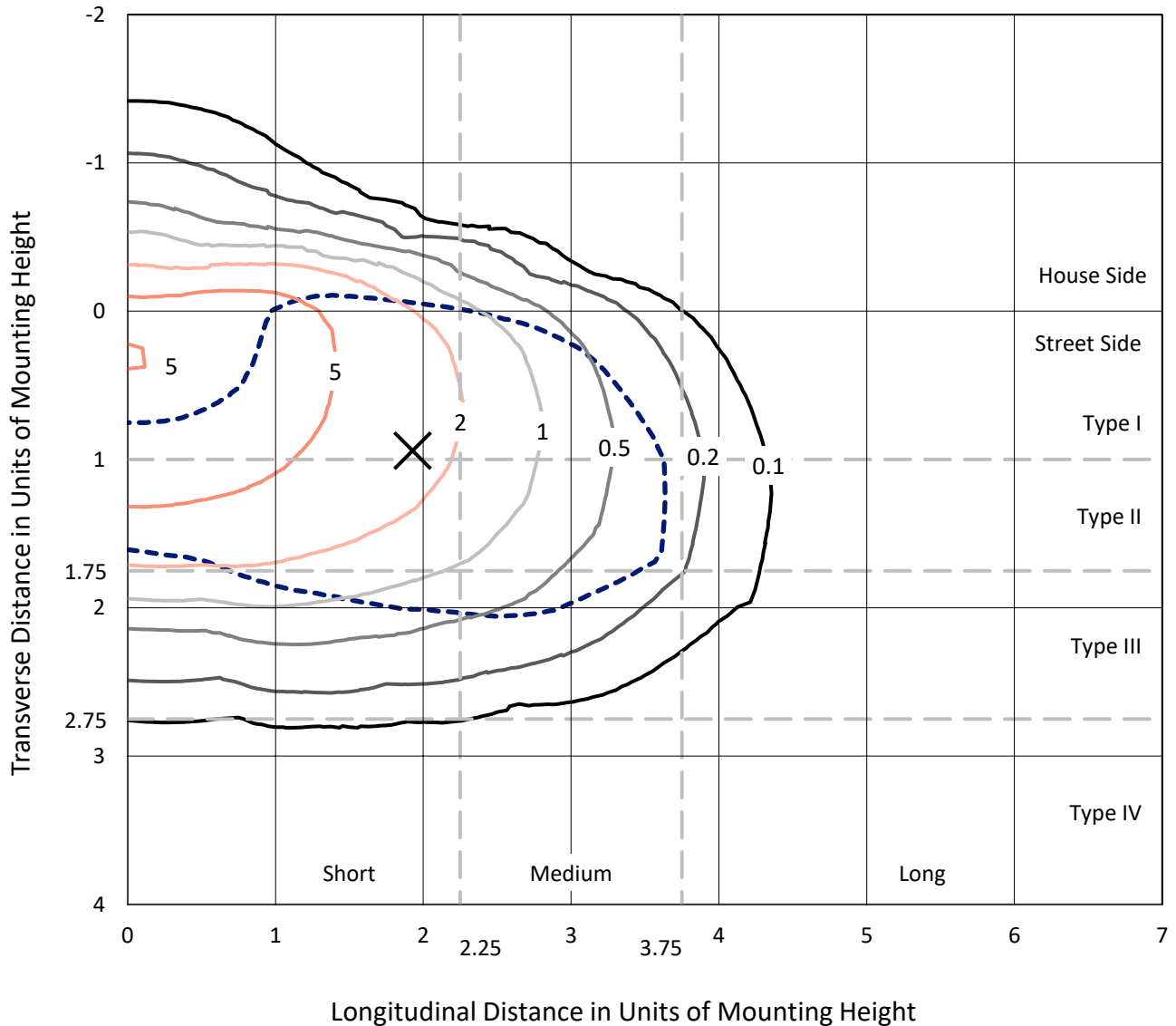
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

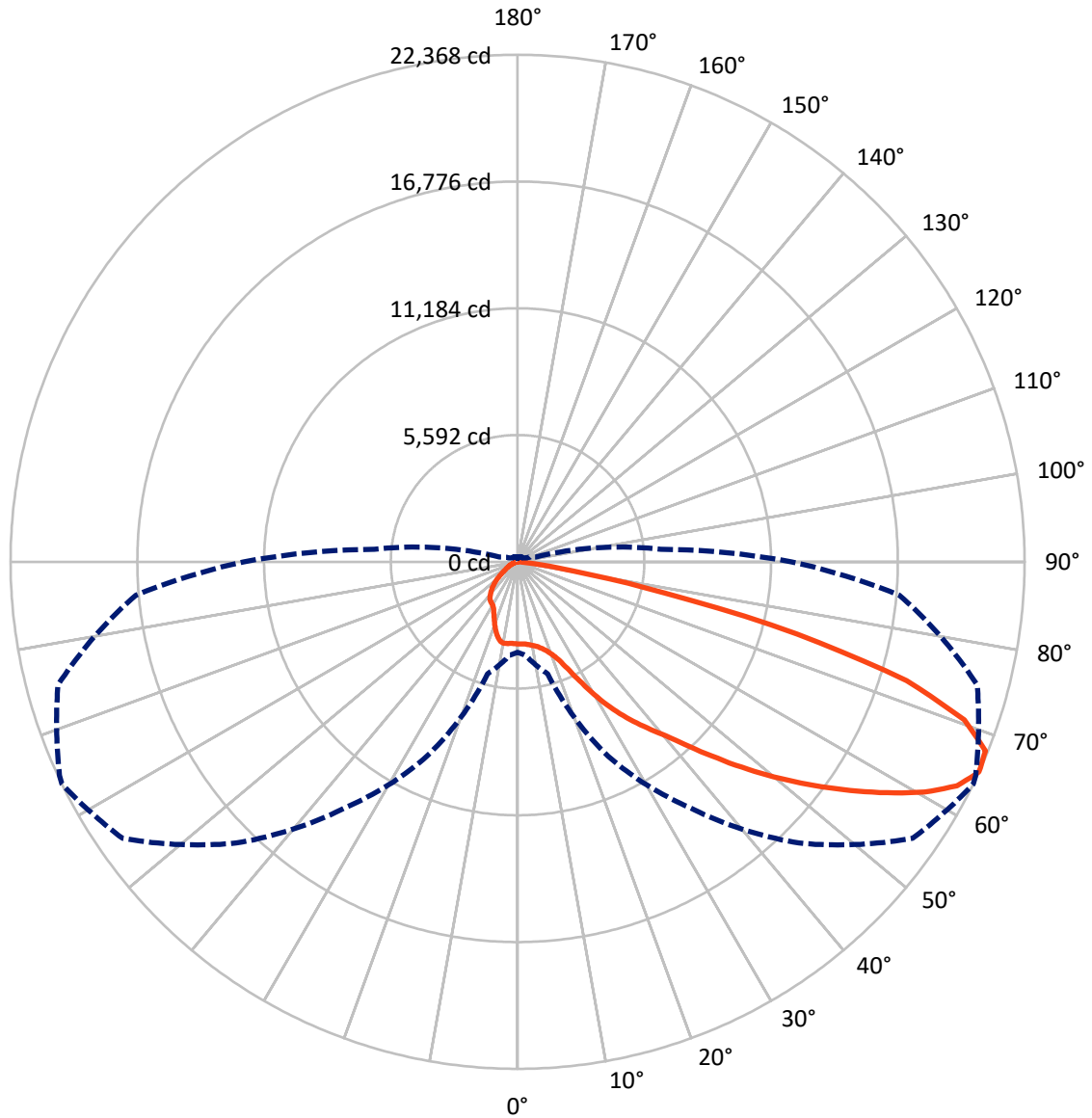
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Short - N/A

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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	4167.8	0.0	4167.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	26998.2	0.0	26998.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	31166.0	0.0	31166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.4	1.1
10°-20°	907.1	2.9
20°-30°	1718.8	5.5
30°-40°	3478.1	11.2
40°-50°	5925.1	19.0
50°-60°	8057.6	25.9
60°-70°	7566.5	24.3
70°-80°	3031.5	9.7
80°-90°	146.9	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°	31166.0	100.0
0°-180°	31166.0	100.0

Coefficient of Utilization

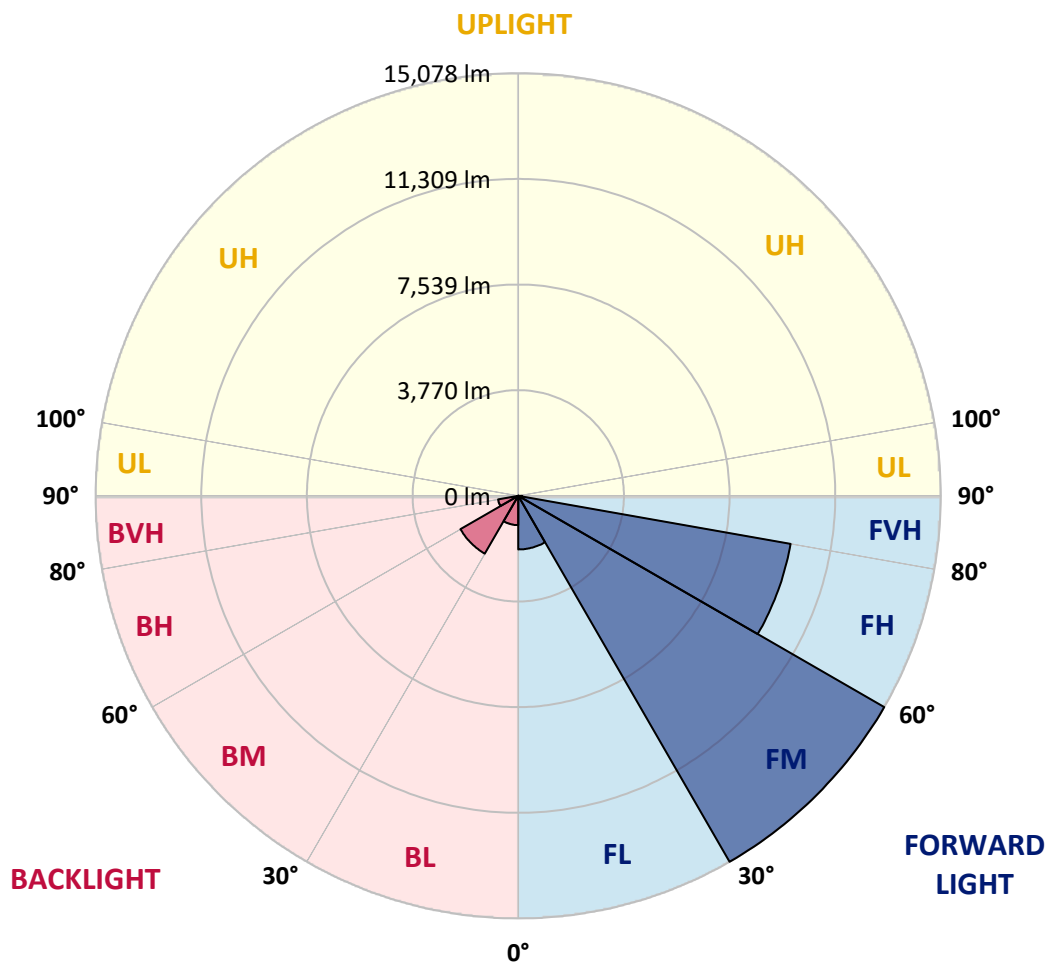


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1914.0	6.1			
FM (30°-60°)	15078.1	48.4			
FH (60°-80°)	9866.4	31.7			G4/12000
FVH (80°-90°)	139.7	0.4			G2/225
BL (0°-30°)	1046.4	3.4	B3/2500		
BM (30°-60°)	2382.7	7.6	B2/2500		
BH (60°-80°)	731.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.2	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9
2.5°	3612.4	3637.5	3631.2	3624.9	3622.8	3627.0	3629.1	3627.0	3627.0	3627.0
5°	3543.4	3564.3	3564.3	3579.0	3599.9	3624.9	3643.7	3647.9	3652.1	3658.4
7.5°	3411.8	3428.5	3441.1	3489.1	3541.4	3608.2	3664.6	3693.9	3698.1	3721.0
10°	3322.0	3342.9	3363.8	3413.9	3489.1	3589.4	3685.5	3756.6	3767.0	3821.3
12.5°	3317.8	3338.7	3365.9	3420.2	3507.9	3614.5	3731.5	3833.9	3852.7	3932.1
15°	3361.7	3386.7	3411.8	3478.7	3572.7	3702.2	3827.6	3955.0	3973.8	4086.7
17.5°	3451.5	3484.9	3503.8	3570.6	3670.9	3815.1	3980.1	4126.4	4143.1	4274.7
20°	3629.1	3668.8	3675.1	3729.4	3827.6	3982.2	4178.6	4360.4	4381.3	4531.7
22.5°	3996.8	4053.2	4003.1	4030.3	4118.0	4272.6	4485.7	4715.5	4744.8	4916.1
25°	4644.5	4723.9	4594.4	4548.4	4586.0	4746.9	5014.3	5304.7	5338.2	5476.0
27.5°	5916.9	5814.5	5618.1	5425.9	5313.1	5405.0	5705.9	6065.2	6107.0	6240.7
30°	7314.6	7224.8	6959.4	6533.2	6265.8	6251.2	6529.1	6930.2	6978.3	7105.7
32.5°	8714.5	8628.8	8340.5	7816.1	7352.2	7122.4	7314.6	7759.6	7784.7	7866.2
35°	10091.3	10003.6	9715.2	9178.3	8607.9	8085.6	8048.0	8549.4	8557.8	8643.4
37.5°	11476.5	11403.4	11096.3	10569.8	10007.7	9286.9	8938.0	9297.4	9307.8	9391.4
40°	12464.7	12496.1	12285.1	11877.7	11395.0	10607.4	9936.7	10093.4	10030.7	10170.7
42.5°	13313.0	13375.7	13191.8	12987.1	12707.1	12013.5	11173.6	11146.4	11046.1	11121.3
45°	14046.3	14098.6	13933.5	13885.5	13879.2	13392.4	12525.3	12362.4	12222.4	12207.8
47.5°	14315.9	14416.1	14487.2	14648.1	14961.5	14756.7	13923.1	13670.3	13513.6	13398.7
50°	14418.2	14524.8	14767.1	15235.2	15976.9	16064.6	15314.5	15030.4	14838.2	14629.3
52.5°	14280.3	14470.5	14796.4	15584.1	16660.1	17113.4	16649.6	16401.0	16181.6	15841.0
55°	13467.6	13657.7	14324.2	15579.9	17000.6	17848.9	17911.5	17800.8	17554.3	17017.3
57.5°	11754.4	12036.4	13091.5	15049.2	16994.3	18481.9	19148.4	19227.8	18952.0	18183.1
60°	9380.9	9763.3	11050.3	13872.9	16469.9	18824.6	20232.7	20629.7	20337.2	19332.3
62.5°	6545.8	6988.7	8206.8	12030.2	15270.7	18578.0	21024.6	21757.9	21536.5	20360.2
65°	3992.6	4134.7	5116.7	9466.6	13231.5	17545.9	21269.0	22368.0	22294.9	20989.1
67.5°	2659.7	2778.8	3060.8	6491.4	10271.0	15483.8	20684.0	22261.5	22282.3	20886.7
70°	1602.5	1704.9	1888.7	3775.4	6656.5	12255.8	18872.6	20903.4	21024.6	19518.2
72.5°	660.2	729.2	896.3	1711.1	3447.3	7778.5	15028.3	17947.1	18229.1	16411.4
75°	374.0	409.5	526.5	858.7	1495.9	3624.9	9103.1	12740.5	13156.3	11311.5
77.5°	248.6	265.3	340.6	555.8	842.0	1236.9	3890.3	6637.7	7431.6	6178.0
80°	167.1	181.8	234.0	371.9	547.4	530.7	1239.0	2459.1	3025.3	2122.7
82.5°	112.8	114.9	167.1	244.4	346.8	257.0	365.6	764.7	961.1	614.3
85°	64.8	62.7	123.3	142.1	154.6	106.6	110.7	229.8	300.9	259.1
87.5°	8.4	12.5	48.1	37.6	20.9	23.0	23.0	39.7	58.5	62.7
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°
3624.9	0°	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9	3624.9
3629.1	2.5°	3629.1	3627.0	3620.8	3614.5	3599.9	3591.5	3595.7	3591.5	3589.4	3591.5
3656.3	5°	3656.3	3650.0	3633.3	3612.4	3583.1	3547.6	3524.6	3491.2	3459.9	3441.1
3729.4	7.5°	3729.4	3723.1	3700.1	3641.6	3547.6	3399.3	3263.5	3144.4	3054.6	3002.3
3846.4	10°	3846.4	3835.9	3800.4	3670.9	3424.4	3100.5	2831.0	2607.4	2461.2	2392.2
3984.3	12.5°	3984.3	3971.8	3909.1	3643.7	3190.4	2684.7	2312.9	2064.2	1928.4	1867.8
4143.1	15°	4147.3	4130.5	4007.3	3514.2	2849.8	2225.1	1884.5	1698.6	1610.8	1556.5
4345.7	17.5°	4349.9	4320.7	4080.4	3319.9	2480.0	1874.1	1621.3	1481.3	1404.0	1351.8
4611.1	20°	4613.2	4565.1	4138.9	3088.0	2139.4	1652.6	1443.7	1326.7	1268.2	1222.2
4987.2	22.5°	4980.9	4911.9	4209.9	2837.3	1899.2	1500.1	1312.1	1226.4	1178.4	1126.1
5511.6	25°	5436.3	5354.9	4297.7	2605.4	1734.1	1368.5	1216.0	1144.9	1088.5	1027.9
6198.9	27.5°	6073.6	5927.3	4402.1	2415.2	1592.0	1255.7	1128.2	1048.8	984.1	933.9
6978.3	30°	6783.9	6543.7	4494.1	2300.3	1462.5	1151.2	1013.3	933.9	873.3	837.8
7678.2	32.5°	7456.7	7130.8	4554.7	2250.2	1345.5	1032.1	888.0	802.3	756.3	745.9
8363.5	35°	8091.8	7661.5	4548.4	2202.1	1241.0	913.0	764.7	676.9	641.4	647.7
9101.0	37.5°	8823.1	8227.6	4504.5	2126.9	1155.4	804.4	658.1	580.8	549.5	551.6
9997.3	40°	9673.4	8881.6	4477.4	1984.8	1061.4	704.1	570.4	507.7	484.7	476.4
10941.6	42.5°	10580.2	9514.7	4481.5	1824.0	944.4	614.3	509.8	457.6	436.7	430.4
11992.6	45°	11491.1	10118.5	4487.8	1656.8	821.1	545.3	465.9	422.0	409.5	401.1
13058.1	47.5°	12347.7	10632.4	4370.8	1477.1	699.9	493.1	430.4	401.1	390.7	380.3
14127.8	50°	13145.9	10975.1	4088.8	1268.2	603.8	451.3	403.2	382.3	371.9	361.4
15097.3	52.5°	13766.4	11029.4	3622.8	1053.0	536.9	419.9	386.5	367.7	355.2	344.7
15880.7	55°	14042.2	10688.8	2960.5	852.4	484.7	392.8	369.8	351.0	336.4	325.9
16497.1	57.5°	13971.1	9972.2	2308.7	685.3	434.6	365.6	348.9	336.4	319.7	302.9
16996.4	60°	13622.2	9013.2	1740.4	570.4	388.6	336.4	325.9	315.5	292.5	267.4
17188.6	62.5°	13018.4	7807.7	1241.0	472.2	338.5	302.9	298.8	290.4	257.0	211.0
16904.5	65°	12094.9	6343.1	835.7	392.8	290.4	265.3	267.4	252.8	208.9	156.7
15864.0	67.5°	10745.3	4638.2	534.9	321.8	242.4	221.5	223.6	215.2	177.6	133.7
13891.7	70°	9025.8	3071.3	348.9	244.4	194.3	171.3	183.9	185.9	150.4	108.6
10661.7	72.5°	6616.8	1813.5	244.4	181.8	142.1	119.1	150.4	154.6	121.2	81.5
6414.1	75°	3771.2	860.8	183.9	131.6	87.8	83.6	117.0	117.0	83.6	54.3
2776.7	77.5°	1583.7	359.4	129.5	85.7	50.1	48.1	79.4	73.1	41.8	25.1
676.9	80°	457.6	160.9	68.9	41.8	20.9	18.8	31.3	23.0	10.4	4.2
257.0	82.5°	179.7	71.0	27.2	16.7	8.4	8.4	4.2	0.0	0.0	0.0
146.3	85°	106.6	29.3	12.5	6.3	2.1	0.0	0.0	0.0	0.0	0.0
31.3	87.5°	27.2	6.3	4.2	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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3624.9
3599.9
3445.2
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1861.6
1558.6
1347.6
1213.9
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1021.7
923.5
831.5
752.1
647.7
559.9
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428.3
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361.4
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