

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: P849447

Luminaire Tested: **GLAN-SB6C-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849447
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-SB6C-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA 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: 31675 lumens
Efficiency: N/A
Efficacy: 105.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

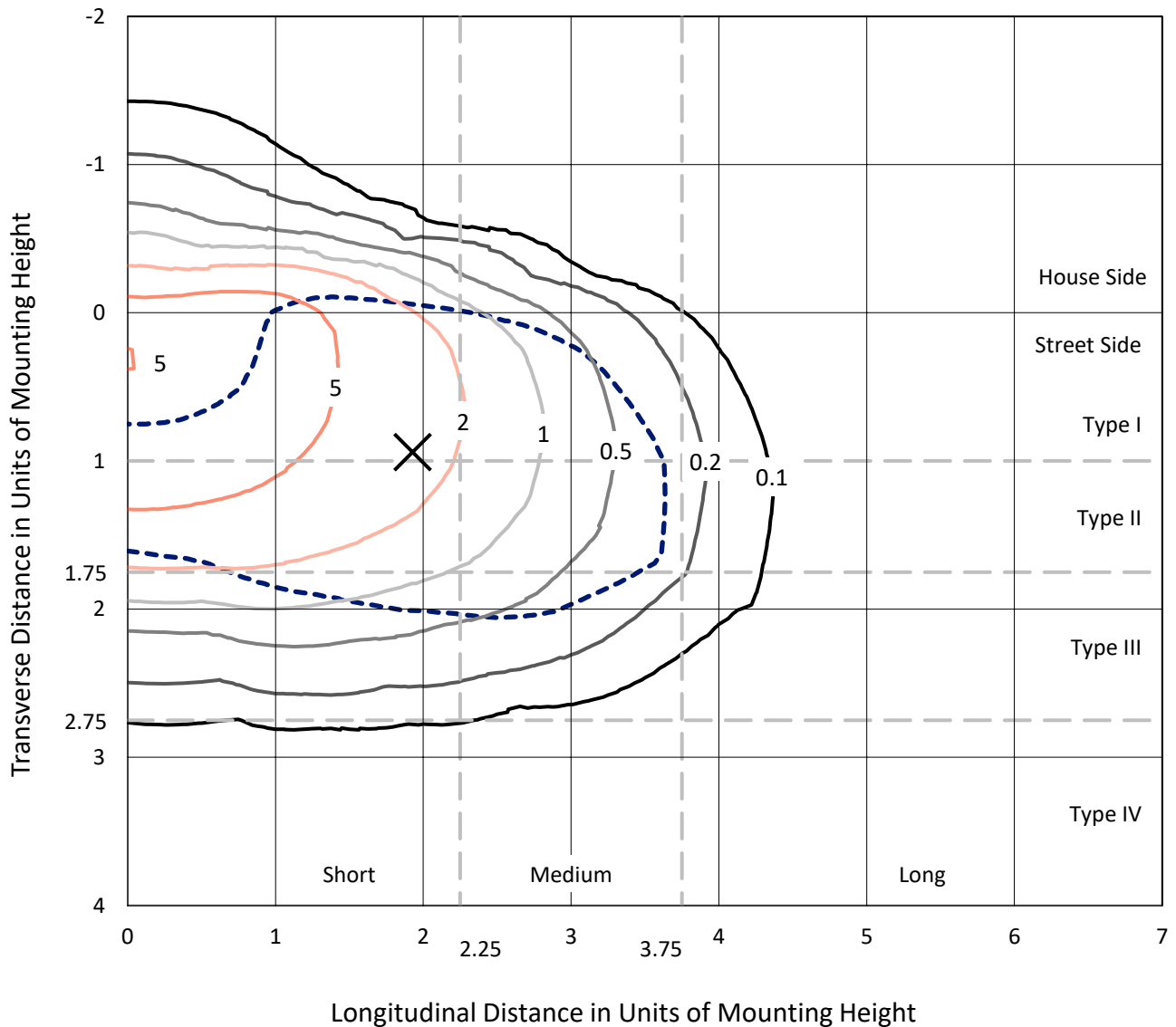
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

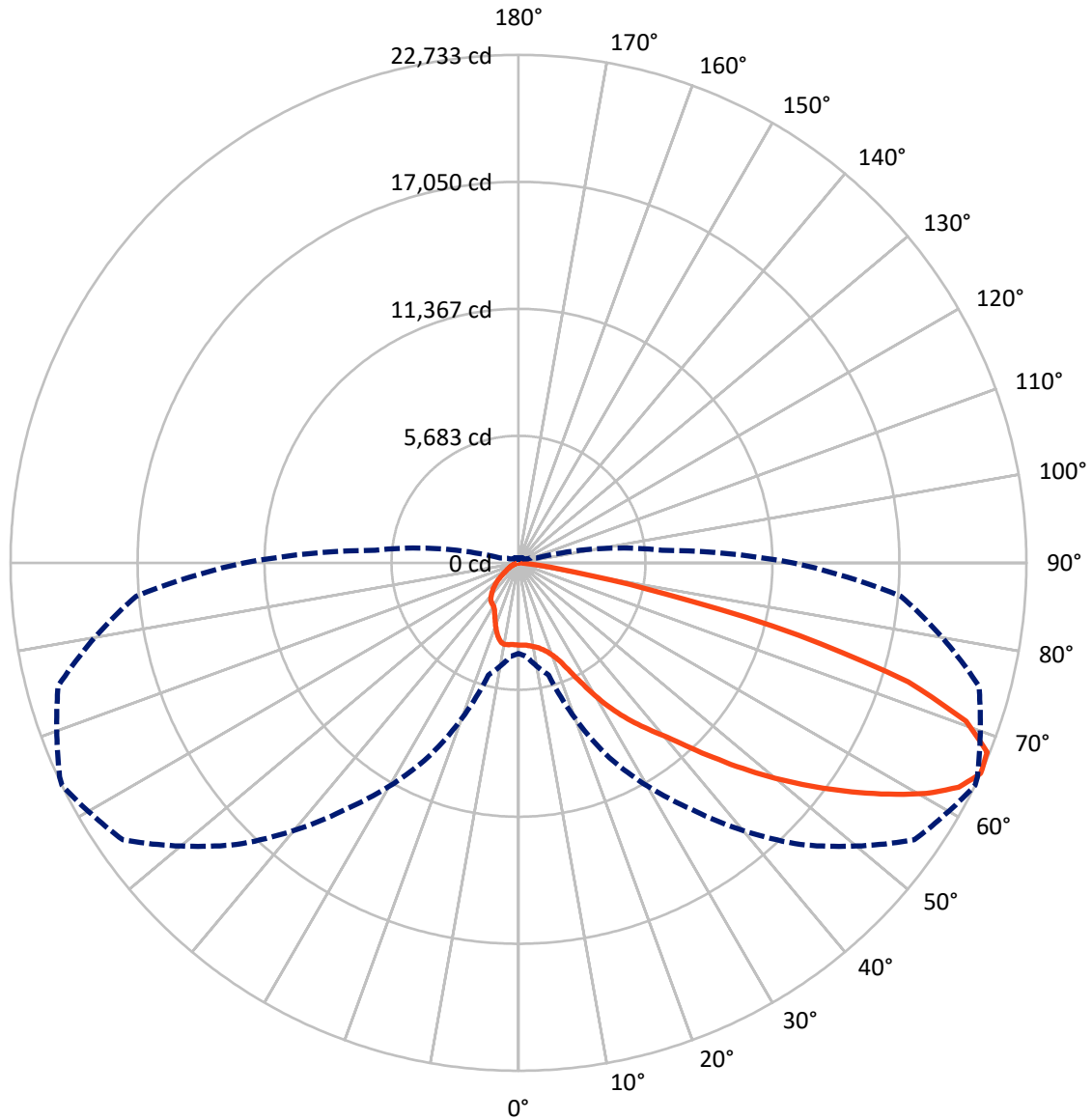
✕ Max cd
 - - - 1/2 Max cd



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

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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	4235.9	0.0	4235.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	27439.1	0.0	27439.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	31675.0	0.0	31675.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.9	1.1
10°-20°	921.9	2.9
20°-30°	1746.9	5.5
30°-40°	3535.0	11.2
40°-50°	6021.8	19.0
50°-60°	8189.2	25.9
60°-70°	7690.1	24.3
70°-80°	3081.0	9.7
80°-90°	149.3	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°	31675.0	100.0
0°-180°	31675.0	100.0

Coefficient of Utilization



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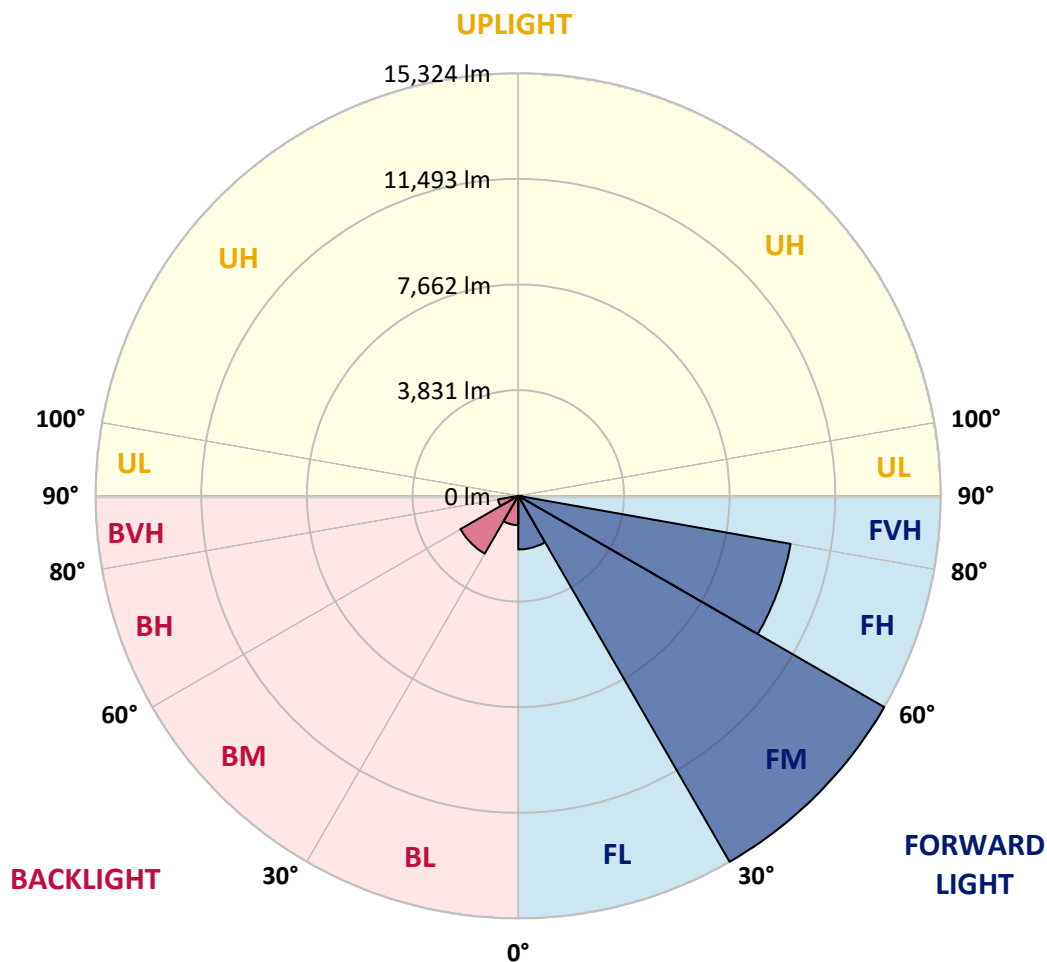
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1945.2	6.1			
FM (30°-60°)	15324.3	48.4			
FH (60°-80°)	10027.6	31.7			G4/12000
FVH (80°-90°)	142.0	0.4			G2/225
BL (0°-30°)	1063.5	3.4	B3/2500		
BM (30°-60°)	2421.6	7.6	B2/2500		
BH (60°-80°)	743.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1
2.5°	3671.4	3696.9	3690.5	3684.1	3682.0	3686.3	3688.4	3686.3	3686.3	3686.3
5°	3601.3	3622.6	3622.6	3637.4	3658.7	3684.1	3703.2	3707.5	3711.7	3718.1
7.5°	3467.5	3484.5	3497.3	3546.1	3599.2	3667.1	3724.5	3754.2	3758.5	3781.8
10°	3376.2	3397.5	3418.7	3469.7	3546.1	3648.0	3745.7	3817.9	3828.5	3883.7
12.5°	3372.0	3393.2	3420.8	3476.0	3565.2	3673.5	3792.4	3896.5	3915.6	3996.3
15°	3416.6	3442.1	3467.5	3535.5	3631.0	3762.7	3890.1	4019.6	4038.7	4153.4
17.5°	3507.9	3541.9	3561.0	3628.9	3730.8	3877.4	4045.1	4193.8	4210.7	4344.5
20°	3688.4	3728.7	3735.1	3790.3	3890.1	4047.2	4246.8	4431.6	4452.8	4605.7
22.5°	4062.1	4119.4	4068.5	4096.1	4185.3	4342.4	4559.0	4792.6	4822.3	4996.4
25°	4720.4	4801.0	4669.4	4622.7	4660.9	4824.4	5096.2	5391.4	5425.3	5565.5
27.5°	6013.5	5909.5	5709.9	5514.5	5399.9	5493.3	5799.1	6164.3	6206.8	6342.7
30°	7434.1	7342.8	7073.1	6639.9	6368.1	6353.3	6635.7	7043.4	7092.2	7221.7
32.5°	8856.8	8769.7	8476.7	7943.7	7472.3	7238.7	7434.1	7886.4	7911.9	7994.7
35°	10256.1	10166.9	9873.9	9328.2	8748.5	8217.6	8179.4	8689.0	8697.5	8784.6
37.5°	11663.9	11589.6	11277.5	10742.4	10171.2	9438.6	9084.0	9449.2	9459.8	9544.8
40°	12668.3	12700.2	12485.7	12071.6	11581.1	10780.6	10099.0	10258.2	10194.5	10336.8
42.5°	13530.4	13594.1	13407.3	13199.2	12914.6	12209.7	11356.0	11328.4	11226.5	11303.0
45°	14275.7	14328.8	14161.1	14112.2	14105.9	13611.1	12729.9	12564.3	12422.0	12407.1
47.5°	14549.7	14651.6	14723.8	14887.3	15205.8	14997.7	14150.5	13893.5	13734.3	13617.5
50°	14653.7	14762.0	15008.3	15484.0	16237.8	16327.0	15564.7	15275.9	15080.5	14868.2
52.5°	14513.6	14706.8	15038.1	15838.6	16932.1	17392.9	16921.5	16668.8	16445.9	16099.8
55°	13687.6	13880.8	14558.2	15834.3	17278.3	18140.4	18204.1	18091.5	17841.0	17295.2
57.5°	11946.4	12233.0	13305.3	15295.0	17271.9	18783.8	19461.1	19541.8	19261.5	18480.1
60°	9534.1	9922.7	11230.8	14099.5	16738.9	19132.0	20563.2	20966.6	20669.4	19648.0
62.5°	6652.7	7102.8	8340.8	12226.6	15520.1	18881.4	21368.0	22113.3	21888.2	20692.7
65°	4057.9	4202.2	5200.3	9621.2	13447.6	17832.5	21616.4	22733.3	22659.0	21331.9
67.5°	2703.1	2824.1	3110.8	6597.5	10438.7	15736.7	21021.8	22625.0	22646.3	21227.8
70°	1628.7	1732.7	1919.6	3837.0	6765.2	12456.0	19180.8	21244.8	21368.0	19837.0
72.5°	671.0	741.1	910.9	1739.1	3503.6	7905.5	15273.8	18240.2	18526.8	16679.5
75°	380.1	416.2	535.1	872.7	1520.4	3684.1	9251.7	12948.6	13371.2	11496.2
77.5°	252.7	269.7	346.1	564.8	855.7	1257.1	3953.8	6746.1	7553.0	6278.9
80°	169.9	184.7	237.8	378.0	556.3	539.3	1259.2	2499.3	3074.7	2157.4
82.5°	114.7	116.8	169.9	248.4	352.5	261.2	371.6	777.2	976.8	624.3
85°	65.8	63.7	125.3	144.4	157.1	108.3	112.5	233.6	305.8	263.3
87.5°	8.5	12.7	48.8	38.2	21.2	23.4	23.4	40.3	59.5	63.7
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°
3684.1	0°	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1	3684.1
3688.4	2.5°	3688.4	3686.3	3679.9	3673.5	3658.7	3650.2	3654.4	3650.2	3648.0	3650.2
3716.0	5°	3716.0	3709.6	3692.6	3671.4	3641.7	3605.6	3582.2	3548.2	3516.4	3497.3
3790.3	7.5°	3790.3	3783.9	3760.6	3701.1	3605.6	3454.8	3316.8	3195.7	3104.4	3051.4
3909.2	10°	3909.2	3898.6	3862.5	3730.8	3480.3	3151.2	2877.2	2650.0	2501.4	2431.3
4049.4	12.5°	4049.4	4036.6	3972.9	3703.2	3242.5	2728.6	2350.6	2097.9	1959.9	1898.3
4210.7	15°	4215.0	4198.0	4072.7	3571.6	2896.3	2261.4	1915.3	1726.3	1637.2	1581.9
4416.7	17.5°	4421.0	4391.2	4147.0	3374.1	2520.5	1904.7	1647.8	1505.5	1426.9	1373.9
4686.4	20°	4688.5	4639.7	4206.5	3138.4	2174.4	1679.6	1467.3	1348.4	1288.9	1242.2
5068.6	22.5°	5062.2	4992.2	4278.7	2883.6	1930.2	1524.6	1333.5	1246.4	1197.6	1144.5
5601.6	25°	5525.1	5442.3	4367.9	2647.9	1762.4	1390.8	1235.8	1163.6	1106.3	1044.7
6300.2	27.5°	6172.8	6024.1	4474.0	2454.7	1618.0	1276.2	1146.6	1066.0	1000.1	949.2
7092.2	30°	6894.7	6650.5	4567.5	2337.9	1486.4	1170.0	1029.9	949.2	887.6	851.5
7803.6	32.5°	7578.5	7247.2	4629.1	2286.9	1367.5	1049.0	902.5	815.4	768.7	758.1
8500.0	35°	8224.0	7786.6	4622.7	2238.1	1261.3	927.9	777.2	688.0	651.9	658.3
9249.6	37.5°	8967.2	8362.0	4578.1	2161.6	1174.3	817.5	668.9	590.3	558.5	560.6
10160.6	40°	9831.4	9026.7	4550.5	2017.2	1078.7	715.6	579.7	516.0	492.6	484.1
11120.3	42.5°	10753.0	9670.0	4554.7	1853.7	959.8	624.3	518.1	465.0	443.8	437.4
12188.4	45°	11678.8	10283.7	4561.1	1683.9	834.5	554.2	473.5	428.9	416.2	407.7
13271.4	47.5°	12549.4	10806.1	4442.2	1501.3	711.3	501.1	437.4	407.7	397.1	386.5
14358.6	50°	13360.6	11154.3	4155.5	1288.9	613.7	458.7	409.8	388.6	378.0	367.4
15343.8	52.5°	13991.2	11209.5	3682.0	1070.2	545.7	426.8	392.8	373.7	361.0	350.4
16140.1	55°	14271.5	10863.4	3008.9	866.4	492.6	399.2	375.8	356.7	341.9	331.3
16766.5	57.5°	14199.3	10135.1	2346.4	696.5	441.7	371.6	354.6	341.9	324.9	307.9
17274.0	60°	13844.7	9160.4	1768.8	579.7	395.0	341.9	331.3	320.6	297.3	271.8
17469.4	62.5°	13231.0	7935.2	1261.3	479.9	344.0	307.9	303.6	295.2	261.2	214.5
17180.6	65°	12292.5	6446.7	849.4	399.2	295.2	269.7	271.8	256.9	212.3	159.3
16123.1	67.5°	10920.7	4714.0	543.6	327.0	246.3	225.1	227.2	218.7	180.5	135.9
14118.6	70°	9173.2	3121.4	354.6	248.4	197.5	174.1	186.9	189.0	152.9	110.4
10835.8	72.5°	6724.9	1843.1	248.4	184.7	144.4	121.0	152.9	157.1	123.2	82.8
6518.9	75°	3832.8	874.8	186.9	133.8	89.2	84.9	118.9	118.9	84.9	55.2
2822.0	77.5°	1609.6	365.2	131.7	87.1	51.0	48.8	80.7	74.3	42.5	25.5
688.0	80°	465.0	163.5	70.1	42.5	21.2	19.1	31.9	23.4	10.6	4.2
261.2	82.5°	182.6	72.2	27.6	17.0	8.5	8.5	4.2	0.0	0.0	0.0
148.6	85°	108.3	29.7	12.7	6.4	2.1	0.0	0.0	0.0	0.0	0.0
31.9	87.5°	27.6	6.4	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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3684.1
3658.7
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1892.0
1584.1
1369.6
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1136.0
1038.4
938.6
845.1
764.4
658.3
569.1
482.0
435.3
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367.4
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