

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: P849287

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849287
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-SB6B-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 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: 25869 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

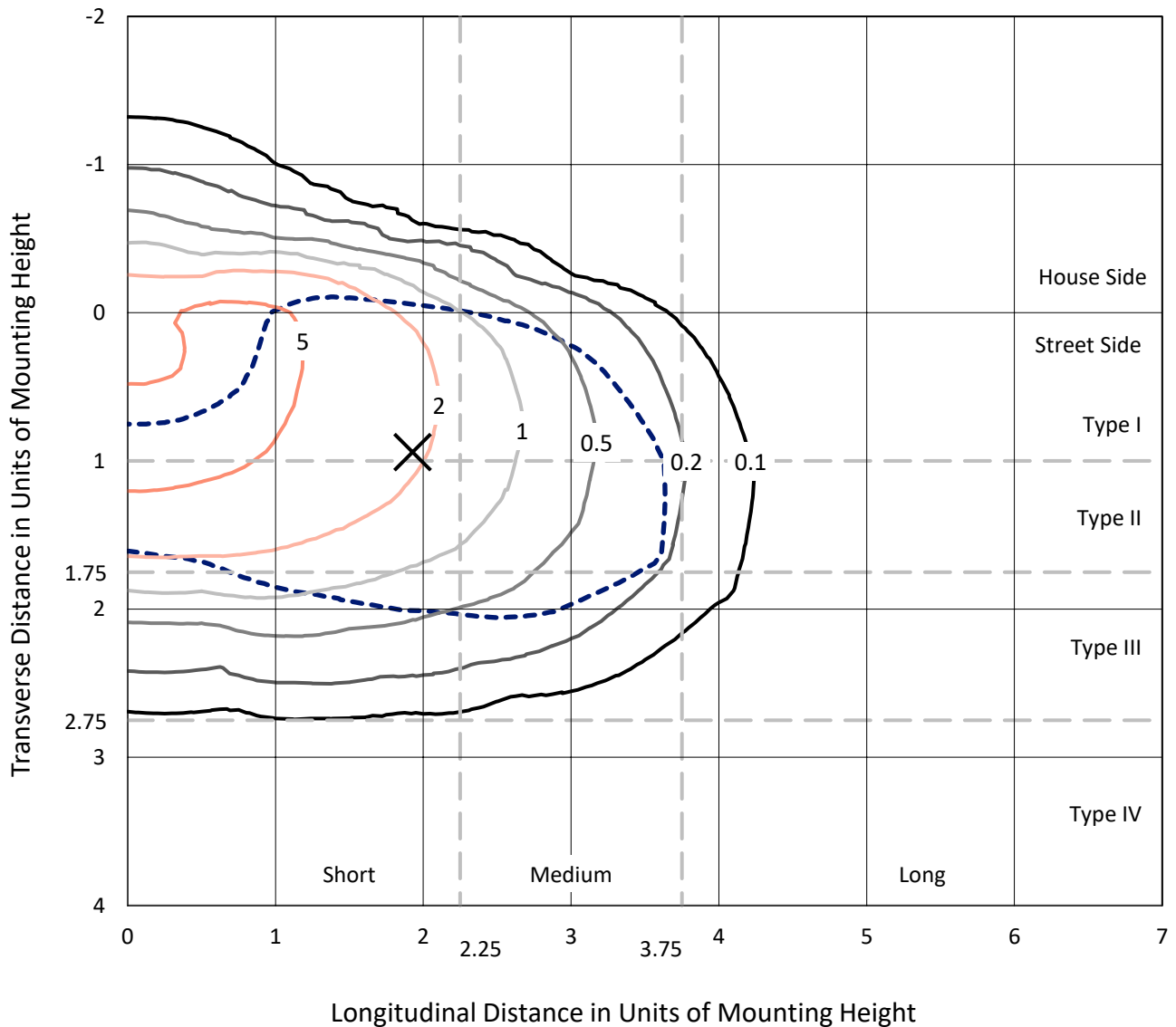
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

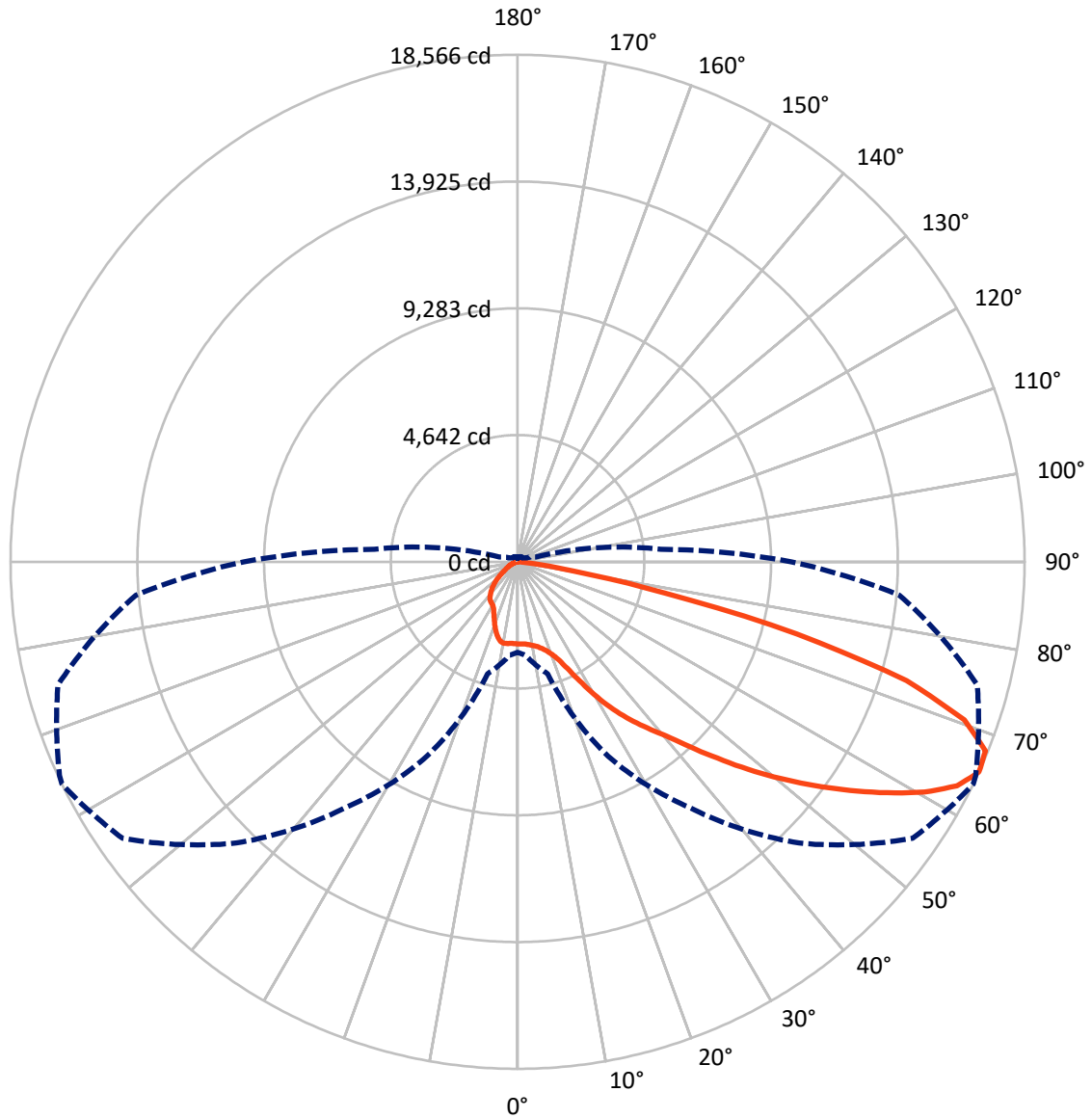
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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	3459.5	0.0	3459.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22409.5	0.0	22409.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	25869.0	0.0	25869.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.6	1.1
10°-20°	752.9	2.9
20°-30°	1426.7	5.5
30°-40°	2887.0	11.2
40°-50°	4918.0	19.0
50°-60°	6688.1	25.9
60°-70°	6280.5	24.3
70°-80°	2516.2	9.7
80°-90°	121.9	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°	25869.0	100.0
0°-180°	25869.0	100.0

Coefficient of Utilization



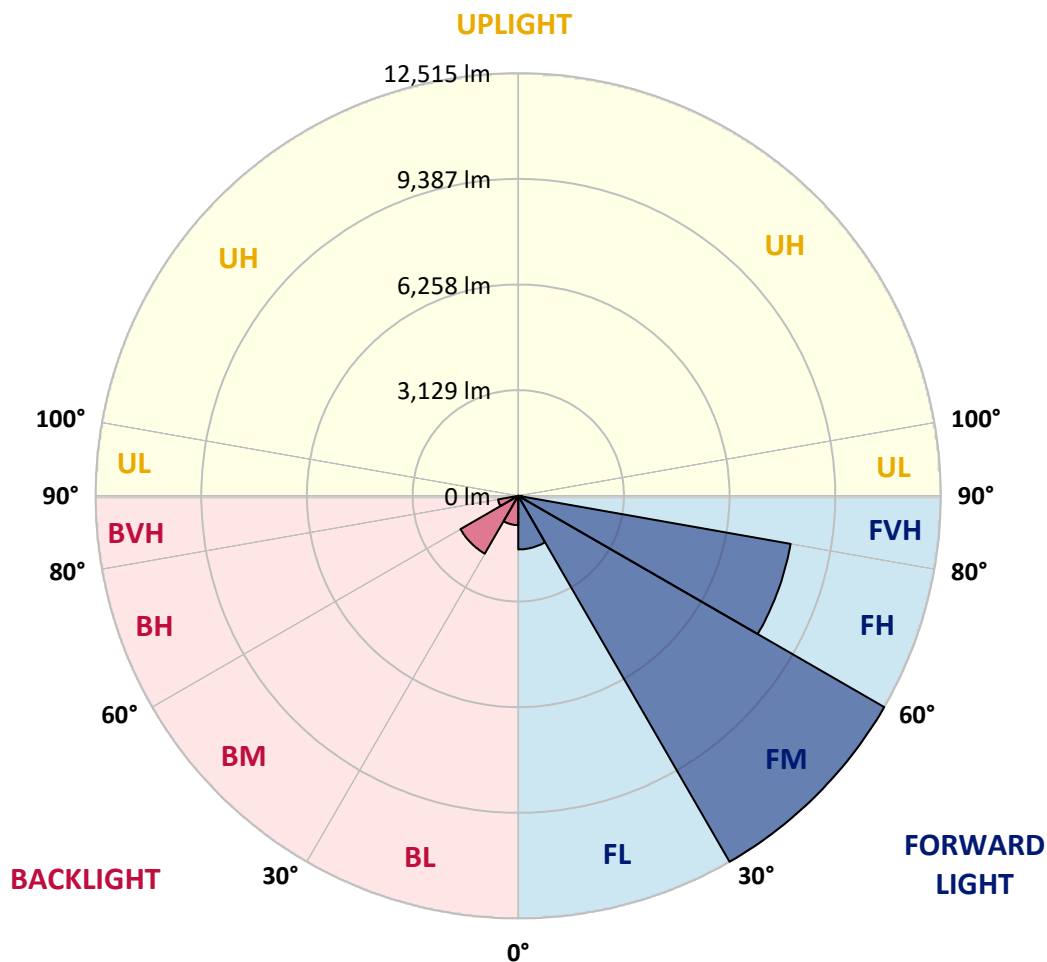
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1588.7	6.1			
FM (30°-60°)	12515.4	48.4			
FH (60°-80°)	8189.5	31.7			G4/12000
FVH (80°-90°)	115.9	0.4			G2/225
BL (0°-30°)	868.6	3.4	B2/1000		
BM (30°-60°)	1977.8	7.6	B2/2500		
BH (60°-80°)	607.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.0	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8
2.5°	2998.4	3019.2	3014.0	3008.8	3007.1	3010.6	3012.3	3010.6	3010.6	3010.6
5°	2941.2	2958.5	2958.5	2970.7	2988.0	3008.8	3024.4	3027.9	3031.4	3036.6
7.5°	2831.9	2845.8	2856.2	2896.1	2939.5	2995.0	3041.8	3066.1	3069.5	3088.6
10°	2757.4	2774.7	2792.1	2833.7	2896.1	2979.4	3059.1	3118.1	3126.8	3171.8
12.5°	2753.9	2771.2	2793.8	2838.9	2911.7	3000.2	3097.3	3182.3	3197.9	3263.8
15°	2790.3	2811.1	2831.9	2887.4	2965.5	3073.0	3177.1	3282.8	3298.4	3392.1
17.5°	2864.9	2892.6	2908.2	2963.7	3047.0	3166.6	3303.6	3425.0	3438.9	3548.2
20°	3012.3	3045.3	3050.5	3095.5	3177.1	3305.4	3468.4	3619.3	3636.6	3761.5
22.5°	3317.5	3364.3	3322.7	3345.3	3418.1	3546.4	3723.3	3914.1	3938.4	4080.6
25°	3855.1	3921.0	3813.5	3775.3	3806.6	3940.1	4162.1	4403.1	4430.9	4545.3
27.5°	4911.2	4826.3	4663.3	4503.7	4410.1	4486.4	4736.1	5034.4	5069.1	5180.0
30°	6071.4	5996.9	5776.6	5422.8	5200.9	5188.7	5419.4	5752.3	5792.2	5898.0
32.5°	7233.3	7162.2	6922.9	6487.6	6102.6	5911.9	6071.4	6440.8	6461.6	6529.3
35°	8376.2	8303.3	8064.0	7618.3	7144.9	6711.3	6680.1	7096.3	7103.3	7174.4
37.5°	9525.9	9465.3	9210.3	8773.3	8306.8	7708.5	7418.9	7717.2	7725.9	7795.2
40°	10346.2	10372.2	10197.1	9858.9	9458.3	8804.5	8247.8	8377.9	8325.9	8442.1
42.5°	11050.3	11102.3	10949.7	10779.8	10547.4	9971.6	9274.5	9251.9	9168.7	9231.1
45°	11659.0	11702.4	11565.4	11525.5	11520.3	11116.2	10396.5	10261.2	10145.1	10132.9
47.5°	11882.7	11966.0	12024.9	12158.5	12418.6	12248.6	11556.7	11346.9	11216.8	11121.4
50°	11967.7	12056.1	12257.3	12645.8	13261.4	13334.2	12711.7	12475.8	12316.3	12142.9
52.5°	11853.2	12011.1	12281.6	12935.4	13828.5	14204.8	13819.8	13613.5	13431.4	13148.7
55°	11178.6	11336.5	11889.7	12931.9	14111.2	14815.3	14867.3	14775.4	14570.7	14125.0
57.5°	9756.6	9990.7	10866.5	12491.4	14106.0	15340.7	15893.9	15959.8	15730.9	15092.7
60°	7786.5	8103.9	9172.2	11515.1	13670.7	15625.1	16794.0	17123.5	16880.7	16046.5
62.5°	5433.2	5800.9	6811.9	9985.5	12675.3	15420.5	17451.2	18059.9	17876.1	16899.8
65°	3314.1	3432.0	4247.1	7857.7	10982.7	14563.8	17654.1	18566.3	18505.6	17421.8
67.5°	2207.6	2306.5	2540.6	5388.2	8525.3	12852.1	17168.6	18477.9	18495.2	17336.8
70°	1330.1	1415.1	1567.7	3133.7	5525.2	10172.8	15665.0	17350.6	17451.2	16200.9
72.5°	548.0	605.2	744.0	1420.3	2861.4	6456.4	12474.1	14896.8	15130.9	13622.1
75°	310.4	339.9	437.0	712.8	1241.7	3008.8	7555.9	10575.1	10920.2	9388.9
77.5°	206.4	220.2	282.7	461.3	698.9	1026.6	3229.1	5509.5	6168.5	5128.0
80°	138.7	150.9	194.2	308.7	454.4	440.5	1028.4	2041.2	2511.1	1761.9
82.5°	93.6	95.4	138.7	202.9	287.9	213.3	303.5	634.7	797.7	509.9
85°	53.8	52.0	102.3	117.9	128.3	88.4	91.9	190.8	249.7	215.0
87.5°	6.9	10.4	39.9	31.2	17.3	19.1	19.1	32.9	48.6	52.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3008.8	0°	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8	3008.8
3012.3	2.5°	3012.3	3010.6	3005.4	3000.2	2988.0	2981.1	2984.6	2981.1	2979.4	2981.1
3034.8	5°	3034.8	3029.6	3015.8	2998.4	2974.1	2944.7	2925.6	2897.8	2871.8	2856.2
3095.5	7.5°	3095.5	3090.3	3071.3	3022.7	2944.7	2821.5	2708.8	2610.0	2535.4	2492.0
3192.7	10°	3192.7	3184.0	3154.5	3047.0	2842.4	2573.5	2349.8	2164.3	2042.9	1985.7
3307.1	12.5°	3307.1	3296.7	3244.7	3024.4	2648.1	2228.4	1919.8	1713.4	1600.7	1550.4
3438.9	15°	3442.4	3428.5	3326.2	2916.9	2365.4	1846.9	1564.2	1409.9	1337.1	1292.0
3607.1	17.5°	3610.6	3586.3	3386.9	2755.6	2058.5	1555.6	1345.7	1229.5	1165.4	1122.0
3827.4	20°	3829.1	3789.2	3435.4	2563.1	1775.8	1371.8	1198.3	1101.2	1052.7	1014.5
4139.5	22.5°	4134.3	4077.1	3494.4	2355.0	1576.4	1245.2	1089.1	1018.0	978.1	934.7
4574.8	25°	4512.4	4444.7	3567.2	2162.5	1439.4	1135.9	1009.3	950.3	903.5	853.2
5145.4	27.5°	5041.3	4919.9	3654.0	2004.7	1321.5	1042.3	936.5	870.6	816.8	775.2
5792.2	30°	5630.9	5431.5	3730.3	1909.4	1213.9	955.5	841.1	775.2	724.9	695.4
6373.2	32.5°	6189.4	5918.8	3780.6	1867.7	1116.8	856.7	737.0	665.9	627.8	619.1
6942.0	35°	6716.5	6359.3	3775.3	1827.8	1030.1	757.8	634.7	561.9	532.4	537.6
7554.2	37.5°	7323.5	6829.3	3738.9	1765.4	959.0	667.7	546.3	482.1	456.1	457.8
8298.1	40°	8029.3	7372.1	3716.4	1647.5	881.0	584.4	473.4	421.4	402.3	395.4
9082.0	42.5°	8782.0	7897.5	3719.9	1514.0	783.9	509.9	423.1	379.8	362.4	357.2
9954.3	45°	9538.1	8398.7	3725.1	1375.2	681.5	452.6	386.7	350.3	339.9	333.0
10838.7	47.5°	10249.1	8825.3	3627.9	1226.1	581.0	409.3	357.2	333.0	324.3	315.6
11726.6	50°	10911.6	9109.7	3393.8	1052.7	501.2	374.6	334.7	317.4	308.7	300.0
12531.3	52.5°	11426.6	9154.8	3007.1	874.0	445.7	348.6	320.8	305.2	294.8	286.1
13181.6	55°	11655.5	8872.2	2457.4	707.6	402.3	326.0	307.0	291.3	279.2	270.5
13693.2	57.5°	11596.6	8277.3	1916.3	568.8	360.7	303.5	289.6	279.2	265.3	251.5
14107.7	60°	11307.0	7481.3	1444.6	473.4	322.6	279.2	270.5	261.9	242.8	222.0
14267.2	62.5°	10805.8	6480.7	1030.1	391.9	280.9	251.5	248.0	241.1	213.3	175.2
14031.4	65°	10039.3	5265.0	693.7	326.0	241.1	220.2	222.0	209.8	173.4	130.1
13167.8	67.5°	8919.0	3849.9	444.0	267.1	201.2	183.8	185.6	178.6	147.4	111.0
11530.7	70°	7491.7	2549.3	289.6	202.9	161.3	142.2	152.6	154.3	124.9	90.2
8849.6	72.5°	5492.2	1505.3	202.9	150.9	117.9	98.8	124.9	128.3	100.6	67.6
5324.0	75°	3130.2	714.5	152.6	109.3	72.8	69.4	97.1	97.1	69.4	45.1
2304.7	77.5°	1314.5	298.3	107.5	71.1	41.6	39.9	65.9	60.7	34.7	20.8
561.9	80°	379.8	133.5	57.2	34.7	17.3	15.6	26.0	19.1	8.7	3.5
213.3	82.5°	149.1	59.0	22.5	13.9	6.9	6.9	3.5	0.0	0.0	0.0
121.4	85°	88.4	24.3	10.4	5.2	1.7	0.0	0.0	0.0	0.0	0.0
26.0	87.5°	22.5	5.2	3.5	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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<u>180°</u>
3008.8
2988.0
2859.7
2493.8
1980.5
1545.2
1293.7
1118.6
1007.6
927.8
848.0
766.5
690.2
624.3
537.6
464.8
393.7
355.5
333.0
315.6
300.0
284.4
268.8
249.7
218.5
171.7
126.6
105.8
86.7
64.2
41.6
20.8
3.5
0.0
0.0
0.0
0.0

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