

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: P848337

Luminaire Tested: **GLAN-SB4D-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848337
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-SB4D-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 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: 26483 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

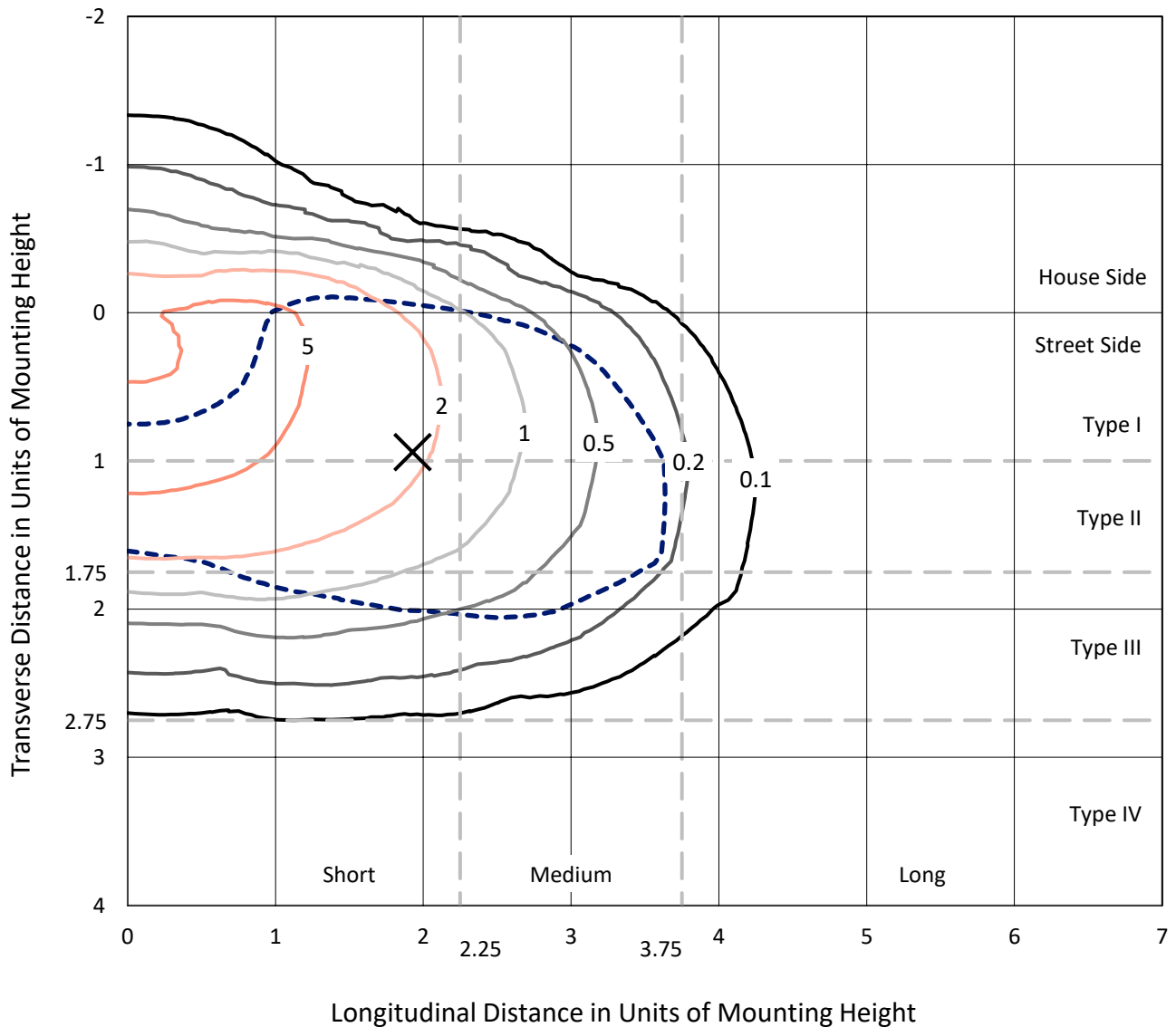
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

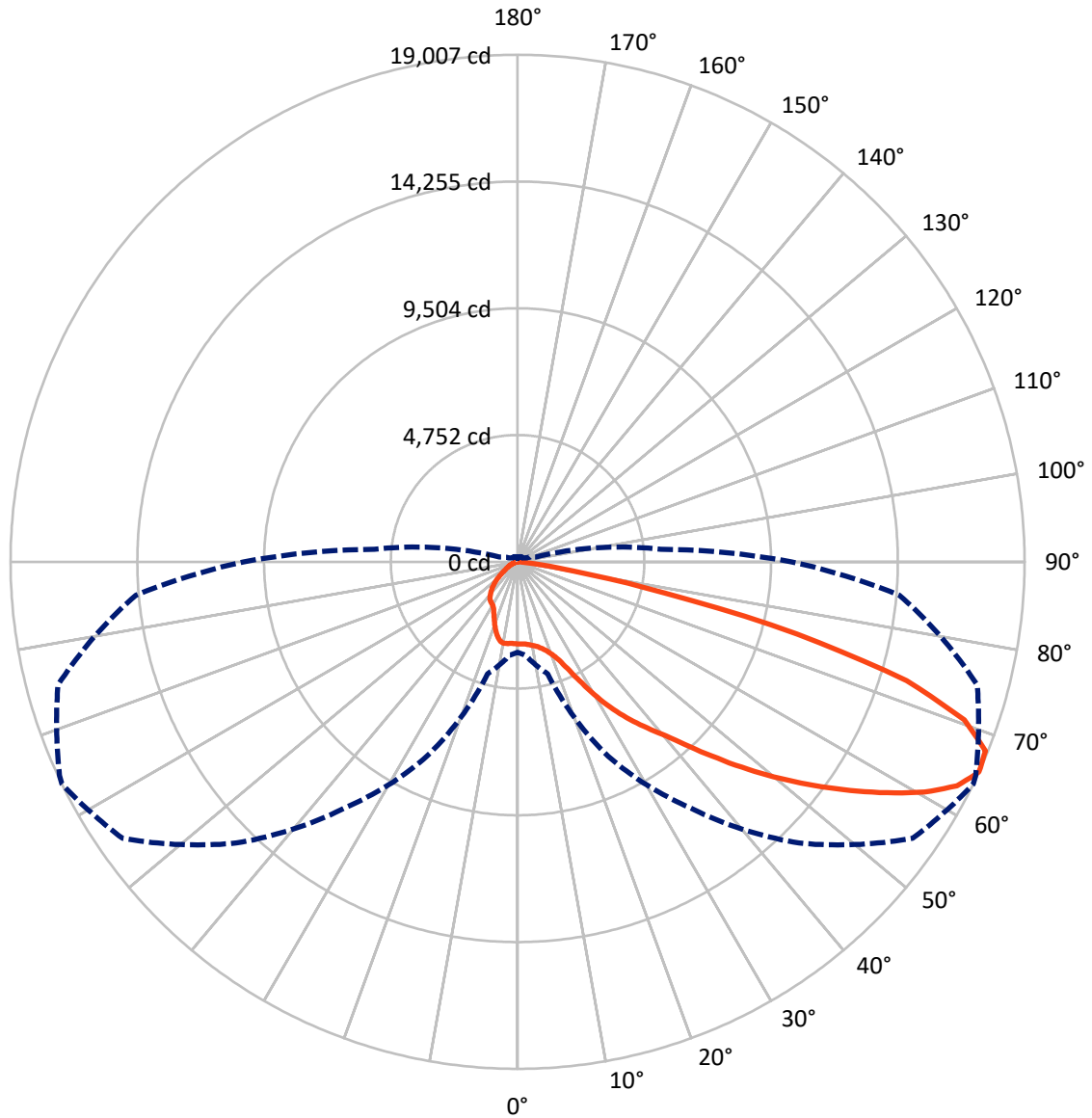
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	3541.6	0.0	3541.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22941.4	0.0	22941.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	26483.0	0.0	26483.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	1.1
10°-20°	770.8	2.9
20°-30°	1460.6	5.5
30°-40°	2955.5	11.2
40°-50°	5034.8	19.0
50°-60°	6846.9	25.9
60°-70°	6429.6	24.3
70°-80°	2576.0	9.7
80°-90°	124.8	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°	26483.0	100.0
0°-180°	26483.0	100.0

Coefficient of Utilization



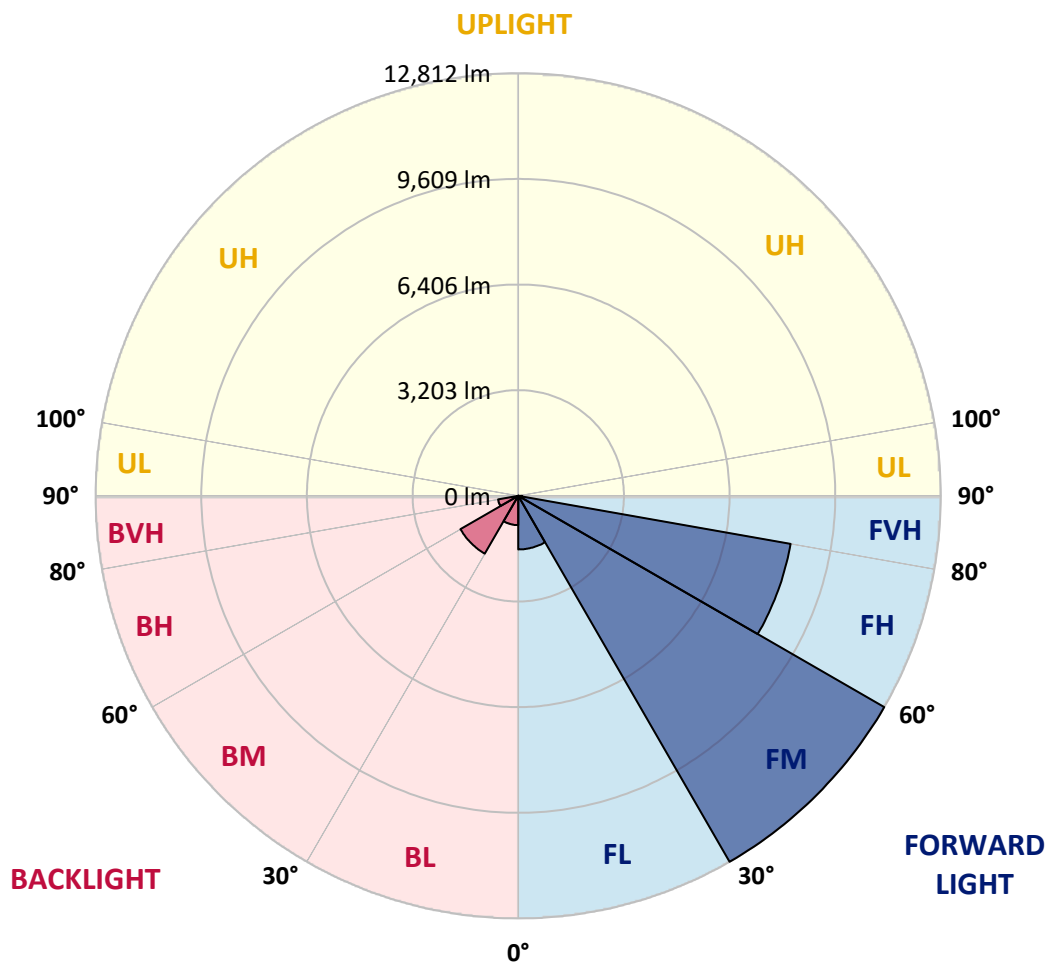
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1626.4	6.1			
FM (30°-60°)	12812.4	48.4			
FH (60°-80°)	8383.9	31.7			G4/12000
FVH (80°-90°)	118.7	0.4			G2/225
BL (0°-30°)	889.2	3.4	B2/1000		
BM (30°-60°)	2024.7	7.6	B2/2500		
BH (60°-80°)	621.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.1	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°	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2
2.5°	3069.6	3090.9	3085.6	3080.2	3078.5	3082.0	3083.8	3082.0	3082.0	3082.0
5°	3011.0	3028.8	3028.8	3041.2	3058.9	3080.2	3096.2	3099.8	3103.3	3108.7
7.5°	2899.2	2913.4	2924.0	2964.8	3009.2	3066.0	3114.0	3138.8	3142.4	3161.9
10°	2822.8	2840.6	2858.3	2900.9	2964.8	3050.1	3131.7	3192.1	3201.0	3247.1
12.5°	2819.3	2837.0	2860.1	2906.3	2980.8	3071.4	3170.8	3257.8	3273.8	3341.2
15°	2856.6	2877.9	2899.2	2956.0	3035.9	3145.9	3252.5	3360.8	3376.7	3472.6
17.5°	2932.9	2961.3	2977.3	3034.1	3119.3	3241.8	3382.1	3506.3	3520.5	3632.4
20°	3083.8	3117.5	3122.9	3169.0	3252.5	3383.8	3550.7	3705.2	3722.9	3850.8
22.5°	3396.3	3444.2	3401.6	3424.7	3499.2	3630.6	3811.7	4007.0	4031.8	4177.4
25°	3946.6	4014.1	3904.0	3865.0	3896.9	4033.6	4260.9	4507.6	4536.0	4653.2
27.5°	5027.8	4940.8	4773.9	4610.6	4514.7	4592.9	4848.5	5153.9	5189.4	5303.0
30°	6215.5	6139.2	5913.7	5551.5	5324.3	5311.9	5548.0	5888.9	5929.7	6038.0
32.5°	7405.0	7332.2	7087.2	6641.6	6247.5	6052.2	6215.5	6593.7	6615.0	6684.2
35°	8575.0	8500.4	8255.4	7799.2	7314.5	6870.6	6838.7	7264.8	7271.9	7344.7
37.5°	9752.0	9689.9	9428.9	8981.5	8504.0	7891.5	7595.0	7900.3	7909.2	7980.2
40°	10591.8	10618.4	10439.1	10092.9	9682.8	9013.5	8443.6	8576.8	8523.5	8642.4
42.5°	11312.6	11365.8	11209.6	11035.6	10797.7	10208.3	9494.6	9471.5	9386.3	9450.2
45°	11935.7	11980.1	11839.9	11799.0	11793.7	11380.1	10643.3	10504.8	10385.9	10373.4
47.5°	12164.8	12250.0	12310.3	12447.0	12713.3	12539.4	11831.0	11616.2	11483.0	11385.4
50°	12251.8	12342.3	12548.2	12945.9	13576.2	13650.7	13013.4	12771.9	12608.6	12431.1
52.5°	12134.6	12296.1	12573.1	13242.4	14156.7	14542.0	14147.8	13936.6	13750.2	13460.8
55°	11444.0	11605.5	12171.9	13238.9	14446.1	15166.9	15220.2	15126.1	14916.6	14460.3
57.5°	9988.2	10227.8	11124.4	12787.9	14440.8	15704.8	16271.2	16338.6	16104.3	15450.9
60°	7971.4	8296.3	9389.9	11788.4	13995.2	15996.0	17192.6	17529.9	17281.3	16427.4
62.5°	5562.2	5938.6	6973.6	10222.5	12976.1	15786.5	17865.4	18488.6	18300.4	17300.9
65°	3392.7	3513.4	4347.9	8044.2	11243.3	14909.5	18073.2	19007.0	18944.9	17835.3
67.5°	2260.0	2361.2	2600.9	5516.0	8727.7	13157.2	17576.1	18916.5	18934.2	17748.3
70°	1361.7	1448.7	1604.9	3208.1	5656.3	10414.3	16036.8	17762.5	17865.4	16585.4
72.5°	561.0	619.6	761.6	1454.0	2929.3	6609.7	12770.2	15250.3	15490.0	13945.4
75°	317.8	348.0	447.4	729.7	1271.2	3080.2	7735.2	10826.1	11179.4	9611.8
77.5°	211.3	225.5	289.4	472.2	715.5	1051.0	3305.7	5640.3	6315.0	5249.7
80°	142.0	154.5	198.8	316.0	465.1	450.9	1052.8	2089.6	2570.7	1803.8
82.5°	95.9	97.6	142.0	207.7	294.7	218.4	310.7	649.8	816.7	522.0
85°	55.0	53.3	104.7	120.7	131.4	90.5	94.1	195.3	255.7	220.1
87.5°	7.1	10.7	40.8	32.0	17.8	19.5	19.5	33.7	49.7	53.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848337
 CATALOG NUMBER: GLAN-SB4D-835-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3080.2	0°	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2	3080.2
3083.8	2.5°	3083.8	3082.0	3076.7	3071.4	3058.9	3051.8	3055.4	3051.8	3050.1	3051.8
3106.9	5°	3106.9	3101.6	3087.3	3069.6	3044.7	3014.6	2995.0	2966.6	2940.0	2924.0
3169.0	7.5°	3169.0	3163.7	3144.2	3094.5	3014.6	2888.5	2773.1	2671.9	2595.6	2551.2
3268.4	10°	3268.4	3259.6	3229.4	3119.3	2909.8	2634.6	2405.6	2215.6	2091.4	2032.8
3385.6	12.5°	3385.6	3375.0	3321.7	3096.2	2711.0	2281.3	1965.3	1754.1	1638.7	1587.2
3520.5	15°	3524.1	3509.9	3405.1	2986.2	2421.6	1890.8	1601.4	1443.4	1368.8	1322.6
3692.7	17.5°	3696.3	3671.4	3467.3	2821.0	2107.4	1592.5	1377.7	1258.7	1193.0	1148.7
3918.2	20°	3920.0	3879.2	3517.0	2624.0	1818.0	1404.3	1226.8	1127.4	1077.6	1038.6
4237.8	22.5°	4232.5	4173.9	3577.3	2410.9	1613.8	1274.7	1114.9	1042.1	1001.3	956.9
4683.4	25°	4619.5	4550.2	3651.9	2213.9	1473.5	1162.9	1033.3	972.9	925.0	873.5
5267.5	27.5°	5161.0	5036.7	3740.7	2052.3	1352.8	1067.0	958.7	891.2	836.2	793.6
5929.7	30°	5764.6	5560.4	3818.8	1954.7	1242.8	978.2	861.0	793.6	742.1	711.9
6524.4	32.5°	6336.3	6059.3	3870.3	1912.1	1143.3	877.0	754.5	681.7	642.7	633.8
7106.8	35°	6876.0	6510.2	3865.0	1871.2	1054.6	775.8	649.8	575.2	545.0	550.4
7733.5	37.5°	7497.3	6991.4	3827.7	1807.3	981.8	683.5	559.2	493.5	466.9	468.7
8495.1	40°	8219.9	7547.1	3804.6	1686.6	901.9	598.3	484.7	431.4	411.9	404.8
9297.6	42.5°	8990.4	8085.0	3808.1	1549.9	802.5	522.0	433.2	388.8	371.1	365.7
10190.6	45°	9764.5	8598.1	3813.5	1407.9	697.7	463.4	395.9	358.6	348.0	340.9
11096.0	47.5°	10492.4	9034.8	3714.1	1255.2	594.7	419.0	365.7	340.9	332.0	323.1
12005.0	50°	11170.6	9326.0	3474.4	1077.6	513.1	383.5	342.6	324.9	316.0	307.1
12828.7	52.5°	11697.8	9372.1	3078.5	894.8	456.3	356.8	328.4	312.5	301.8	292.9
13494.5	55°	11932.2	9082.7	2515.7	724.3	411.9	333.8	314.2	298.3	285.8	277.0
14018.2	57.5°	11871.8	8473.8	1961.8	582.3	369.3	310.7	296.5	285.8	271.6	257.4
14442.5	60°	11575.3	7658.9	1478.9	484.7	330.2	285.8	277.0	268.1	248.6	227.2
14605.9	62.5°	11062.3	6634.5	1054.6	401.2	287.6	257.4	253.9	246.8	218.4	179.3
14364.4	65°	10277.6	5390.0	710.1	333.8	246.8	225.5	227.2	214.8	177.5	133.2
13480.3	67.5°	9130.7	3941.3	454.5	273.4	205.9	188.2	190.0	182.9	150.9	113.6
11804.4	70°	7669.6	2609.8	296.5	207.7	165.1	145.6	156.2	158.0	127.8	92.3
9059.7	72.5°	5622.6	1541.0	207.7	154.5	120.7	101.2	127.8	131.4	103.0	69.2
5450.4	75°	3204.5	731.4	156.2	111.8	74.6	71.0	99.4	99.4	71.0	46.2
2359.5	77.5°	1345.7	305.4	110.1	72.8	42.6	40.8	67.5	62.1	35.5	21.3
575.2	80°	388.8	136.7	58.6	35.5	17.8	16.0	26.6	19.5	8.9	3.6
218.4	82.5°	152.7	60.4	23.1	14.2	7.1	7.1	3.6	0.0	0.0	0.0
124.3	85°	90.5	24.9	10.7	5.3	1.8	0.0	0.0	0.0	0.0	0.0
26.6	87.5°	23.1	5.3	3.6	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°
3080.2
3058.9
2927.6
2553.0
2027.5
1581.8
1324.4
1145.1
1031.5
949.8
868.2
784.7
706.6
639.1
550.4
475.8
403.0
363.9
340.9
323.1
307.1
291.2
275.2
255.7
223.7
175.8
129.6
108.3
88.8
65.7
42.6
21.3
3.6
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