

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: P850318

Luminaire Tested: **GLAN-SB7D-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71064 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

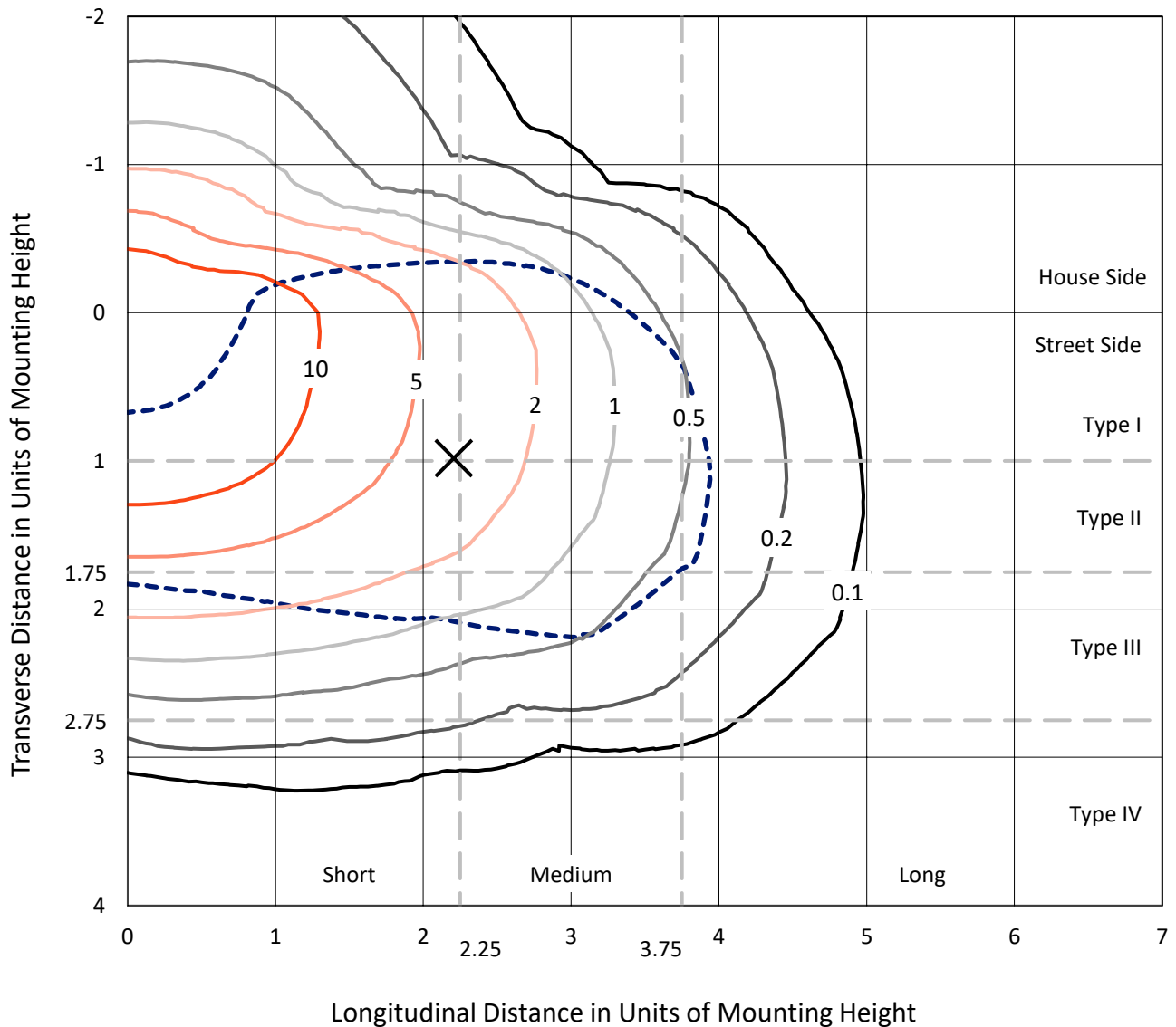
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

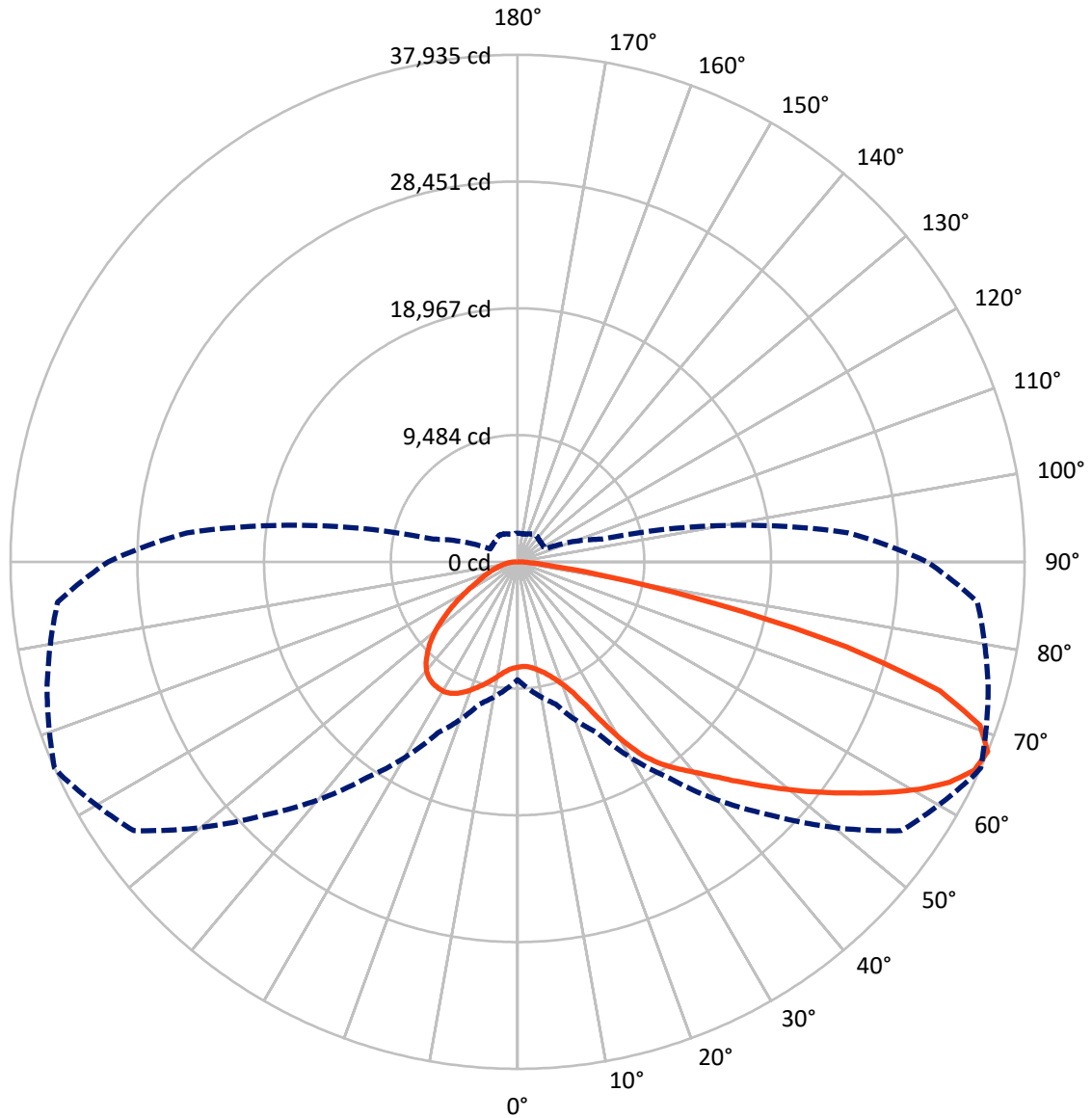
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17669.9	0.0	17669.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	53394.1	0.0	53394.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	71064.0	0.0	71064.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	781.5	1.1
10°-20°	2581.8	3.6
20°-30°	4976.4	7.0
30°-40°	8725.4	12.3
40°-50°	12971.8	18.3
50°-60°	16443.1	23.1
60°-70°	16089.1	22.6
70°-80°	7674.7	10.8
80°-90°	820.2	1.2
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°	71064.0	100.0
0°-180°	71064.0	100.0

Coefficient of Utilization

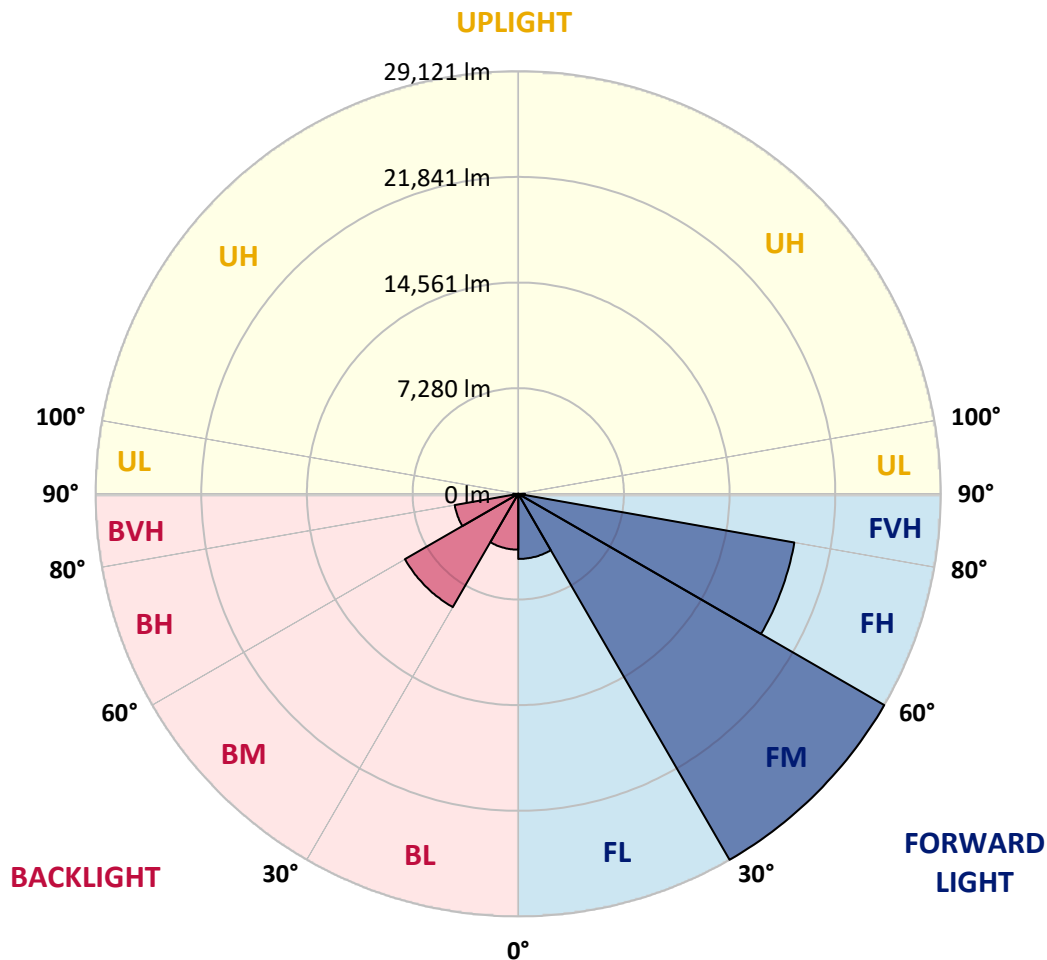


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4490.5	6.3			
FM (30°-60°)	29121.4	41.0			
FH (60°-80°)	19317.1	27.2			G5
FVH (80°-90°)	465.0	0.7			G3/500
BL (0°-30°)	3849.1	5.4	B4/5000		
BM (30°-60°)	9018.9	12.7	B5		
BH (60°-80°)	4446.6	6.3	B4/5000		G4/5000
BVH (80°-90°)	355.2	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9
2.5°	7799.8	7844.6	7833.4	7814.7	7811.0	7818.5	7829.7	7840.9	7837.1	7855.8
5°	7777.4	7822.2	7818.5	7818.5	7833.4	7863.3	7881.9	7900.6	7881.9	7904.3
7.5°	7792.3	7825.9	7840.9	7855.8	7893.1	7949.1	7993.9	8035.0	8012.6	8038.8
10°	7982.7	8008.9	8023.8	8023.8	8050.0	8113.4	8158.2	8232.9	8214.2	8255.3
12.5°	8330.0	8356.1	8356.1	8341.2	8359.9	8400.9	8415.9	8498.0	8464.4	8531.6
15°	8755.6	8807.9	8766.8	8740.7	8748.2	8789.2	8785.5	8849.0	8815.4	8871.4
17.5°	9226.1	9293.3	9226.1	9222.4	9207.4	9252.2	9256.0	9312.0	9252.2	9293.3
20°	9782.4	9875.8	9819.8	9838.4	9804.8	9823.5	9842.2	9924.3	9831.0	9860.8
22.5°	10566.5	10678.5	10618.8	10689.7	10667.3	10652.4	10648.6	10794.3	10648.6	10659.8
25°	11709.0	11843.4	11738.9	11836.0	11836.0	11884.5	11940.5	12127.2	11884.5	11813.6
27.5°	13396.7	13531.1	13325.7	13385.5	13366.8	13486.3	13426.5	13889.5	13628.2	13512.4
30°	15427.8	15666.8	15278.5	15263.6	15244.9	15435.3	15521.2	15827.3	15562.3	15446.5
32.5°	17623.3	17873.4	17410.5	17276.0	17205.1	17320.8	17249.9	17496.3	17313.4	17134.2
35°	19945.7	20192.1	19751.5	19490.2	19206.4	18963.7	18709.8	18773.3	18601.5	18329.0
37.5°	22141.1	22592.9	22126.2	21846.1	21323.4	20849.2	20139.8	19844.9	19684.3	19434.1
40°	24377.6	24635.3	24280.5	24041.6	23474.1	22731.0	21596.0	20972.4	20755.9	20513.2
42.5°	26024.2	26270.6	26080.2	25915.9	25471.6	24609.1	23141.8	22361.4	22047.8	21775.2
45°	27331.0	27514.0	27394.5	27454.2	27263.8	26427.5	24743.5	23851.2	23526.3	23194.0
47.5°	27857.5	28051.6	28242.1	28596.8	28921.6	28305.5	26464.8	25464.1	25120.6	24780.9
50°	27797.7	27995.6	28548.2	29302.4	30310.5	30105.2	28279.4	27181.7	26864.3	26476.0
52.5°	27319.8	27543.8	28253.3	29507.8	31113.3	31453.1	30127.6	28955.2	28656.5	28193.5
55°	26065.3	26199.7	27263.8	29041.1	31303.7	32394.0	31938.5	30844.5	30545.8	29899.8
57.5°	23739.2	23933.3	25482.8	27782.8	30825.8	33032.4	33529.0	32830.8	32543.3	31613.6
60°	20703.6	21013.5	22787.0	25669.5	29608.6	33028.7	34974.0	34783.6	34544.6	33301.3
62.5°	17268.6	17627.0	19333.3	22682.5	27480.4	32091.5	35877.6	36419.0	36295.7	34858.2
65°	13262.3	13508.7	15207.5	18818.1	24168.5	30079.1	35982.1	37535.3	37557.7	36041.8
67.5°	8830.3	9539.7	11014.5	14121.0	19732.8	26789.6	35063.6	37718.3	37934.9	36448.8
70°	4308.7	5242.2	6687.1	9177.5	14121.0	21745.3	32662.8	36217.3	36699.0	35261.5
72.5°	1788.5	2090.9	2878.7	4529.0	8106.0	14673.6	27838.8	32147.5	33039.9	31244.0
75°	1206.0	1306.8	1646.6	2322.4	3692.7	7236.0	20076.3	23970.6	25408.1	23597.3
77.5°	929.7	993.2	1198.5	1624.2	2195.4	2736.8	10745.7	14445.9	15188.9	14061.3
80°	731.8	780.4	896.1	1183.6	1557.0	1463.6	3662.8	6545.3	6974.6	5850.8
82.5°	634.7	653.4	642.2	802.8	1034.2	855.0	1202.3	2415.7	2665.9	1934.1
85°	459.3	511.5	533.9	496.6	548.9	433.1	492.9	855.0	940.9	840.1
87.5°	186.7	276.3	339.8	321.1	201.6	123.2	153.1	250.2	287.5	313.6
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°
7881.9	0°	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9	7881.9
7885.7	2.5°	7889.4	7915.5	7934.2	7956.6	7971.5	7993.9	8038.8	8064.9	8068.6	8087.3
7945.4	5°	7960.3	7997.7	8038.8	8098.5	8165.7	8221.7	8307.6	8367.3	8389.7	8408.4
8091.0	7.5°	8113.4	8165.7	8240.4	8344.9	8442.0	8516.7	8621.2	8692.2	8763.1	8789.2
8322.5	10°	8341.2	8415.9	8524.1	8666.0	8770.6	8867.6	8975.9	9035.7	9106.6	9136.5
8598.8	12.5°	8625.0	8703.4	8845.2	9043.1	9140.2	9207.4	9244.8	9229.8	9244.8	9270.9
8931.1	15°	8949.8	9035.7	9196.2	9409.0	9476.2	9416.5	9334.4	9259.7	9248.5	9256.0
9334.4	17.5°	9334.4	9397.8	9584.5	9763.7	9715.2	9468.8	9289.6	9170.1	9110.3	9091.7
9849.6	20°	9872.0	9872.0	10025.1	10137.1	9812.3	9394.1	9114.1	8919.9	8796.7	8744.4
10551.6	22.5°	10525.4	10465.7	10562.8	10484.4	9793.6	9185.0	8796.7	8460.7	8274.0	8199.3
11533.5	25°	11354.3	11283.4	11257.2	10771.9	9659.2	8852.7	8221.7	7814.7	7650.4	7609.4
12948.6	27.5°	12605.1	12425.9	12086.1	10928.7	9412.8	8330.0	7549.6	7172.5	7079.2	7082.9
14767.0	30°	14270.4	13911.9	13079.3	10954.8	9009.5	7590.7	6862.6	6593.8	6549.0	6567.7
16294.1	32.5°	15812.4	15472.6	14094.9	10835.3	8389.7	6866.4	6246.6	6067.3	6000.1	6022.5
17459.0	35°	17022.1	16928.8	15035.8	10667.3	7628.0	6186.8	5694.0	5540.9	5410.2	5380.3
18556.7	37.5°	18164.7	18127.3	15741.5	10432.1	6873.8	5705.2	5249.6	5048.0	4857.6	4753.1
19770.2	40°	19419.2	19381.9	16204.5	10069.9	6205.5	5287.0	4850.1	4585.0	4349.8	4159.4
21144.2	42.5°	20830.6	20610.3	16424.7	9550.9	5638.0	4932.3	4525.3	4166.9	3857.0	3681.5
22697.4	45°	22372.6	21876.0	16421.0	8890.0	5160.0	4607.4	4178.1	3670.3	3382.8	3218.5
24291.7	47.5°	24008.0	23085.7	16219.4	8158.2	4697.1	4249.0	3640.4	3252.1	3061.7	2960.9
26024.2	50°	25695.6	24217.1	15875.9	7318.1	4222.9	3842.0	3304.4	3039.3	2893.7	2800.3
27741.7	52.5°	27282.5	25243.9	15461.4	6366.0	3741.2	3446.2	3155.0	2949.7	2796.6	2692.0
29407.0	55°	28757.3	26128.8	14875.2	5391.5	3349.2	3181.2	3084.1	2912.3	2736.8	2613.6
31098.4	57.5°	30067.9	26703.7	13863.4	4476.8	3069.1	2998.2	3009.4	2848.8	2647.2	2542.7
32763.6	60°	31158.1	27125.7	12366.2	3629.2	2841.4	2819.0	2893.7	2729.4	2494.1	2374.7
34171.2	62.5°	31811.5	27118.2	10529.2	2972.1	2647.2	2654.7	2740.6	2580.0	2341.1	2229.0
34906.8	65°	31755.5	26453.6	8512.9	2542.7	2460.5	2468.0	2580.0	2415.7	2214.1	2146.9
34537.1	67.5°	30631.6	24833.1	6530.3	2262.6	2255.2	2288.8	2419.5	2303.7	2135.7	2128.2
32334.2	70°	27588.6	21469.0	4704.5	2038.6	2042.4	2090.9	2262.6	2232.8	2094.6	2109.6
27185.4	72.5°	22122.4	16368.7	3158.7	1803.4	1807.1	1885.5	2113.3	2176.8	2053.6	2251.4
19288.5	75°	14733.4	10208.1	2031.2	1553.2	1557.0	1657.8	1982.6	2068.5	1941.5	2244.0
10036.3	77.5°	7079.2	4588.8	1471.1	1306.8	1306.8	1400.2	1713.8	1851.9	1654.0	1743.7
3226.0	80°	2445.6	1725.0	1157.5	1052.9	1030.5	1094.0	1445.0	1605.5	1426.3	1314.3
1052.9	82.5°	963.3	896.1	929.7	817.7	743.0	784.1	1123.9	1325.5	1049.2	948.4
593.7	85°	552.6	582.5	657.1	541.4	429.4	481.7	825.2	952.1	791.6	698.2
194.2	87.5°	149.3	205.4	302.4	280.0	194.2	205.4	392.0	526.5	455.5	351.0
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°
7881.9
8083.6
8404.7
8793.0
9151.4
9278.4
9282.1
9117.8
8733.2
8188.1
7616.8
7094.1
6631.1
6052.4
5402.7
4756.8
4178.1
3692.7
3211.0
2938.5
2766.7
2647.2
2565.1
2475.5
2322.4
2195.4
2143.2
2139.4
2105.8
2281.3
2262.6
1598.0
1232.1
944.6
713.1
362.2
0.0

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