

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: P848377

Luminaire Tested: **GLAN-SB4D-930-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848377  
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-930-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 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: 21579 lumens  
Efficiency: N/A  
Efficacy: 73.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

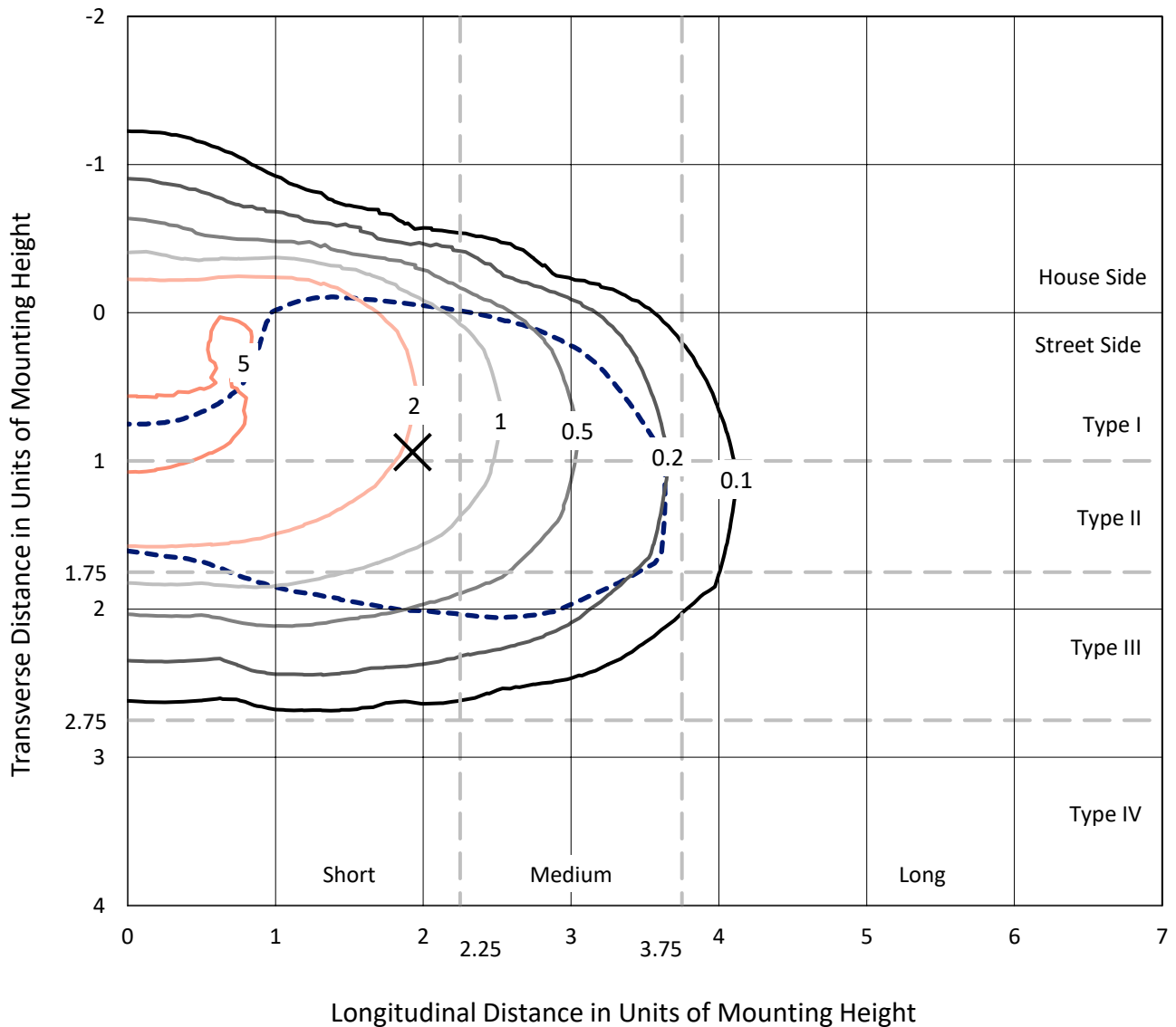
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

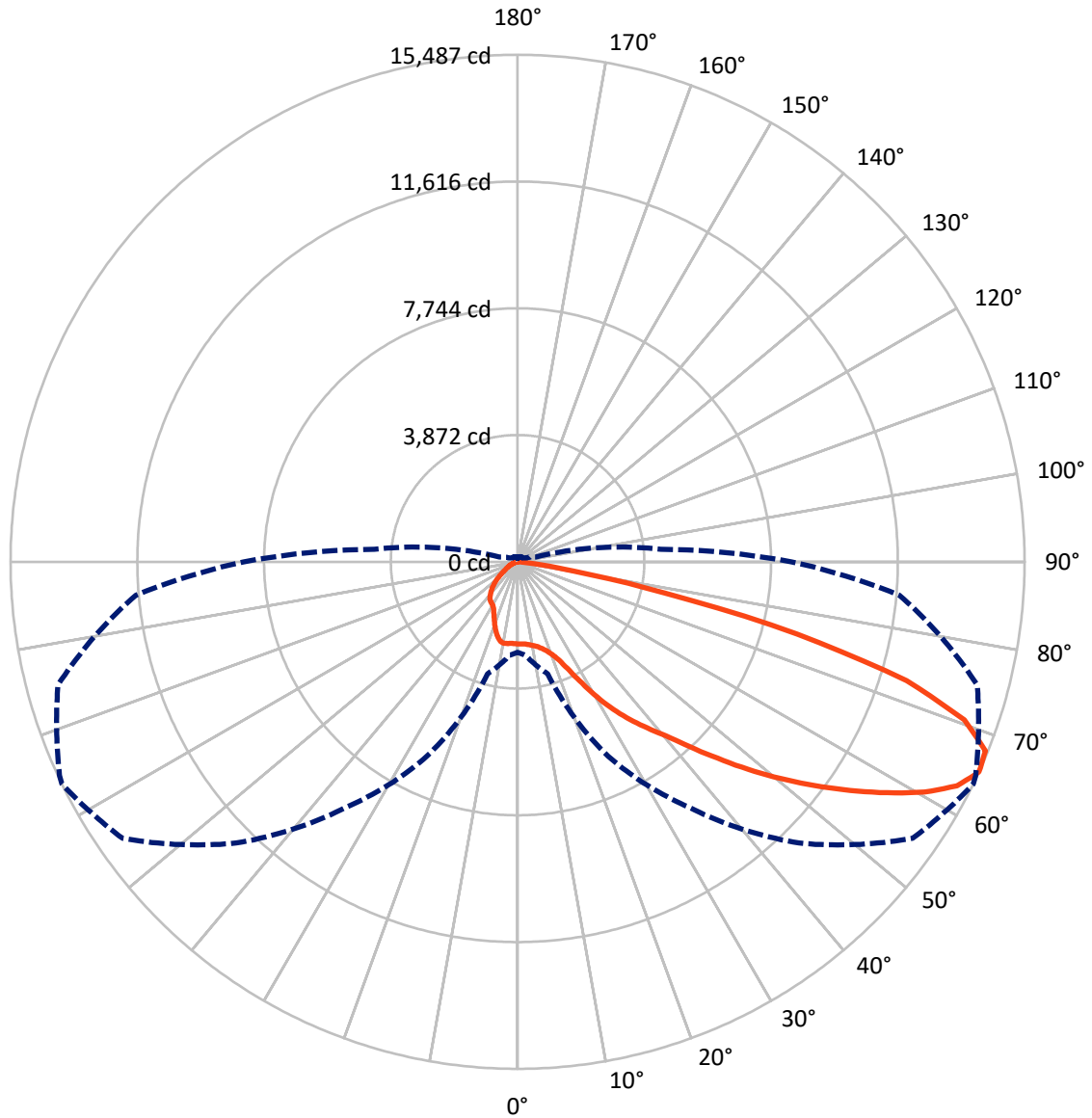
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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
<b>House Side</b>	Lumens	2885.8	0.0	2885.8
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	18693.2	0.0	18693.2
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	21579.0	0.0	21579.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.6	1.1
10°-20°	628.1	2.9
20°-30°	1190.1	5.5
30°-40°	2408.2	11.2
40°-50°	4102.4	19.0
50°-60°	5579.0	25.9
60°-70°	5239.0	24.3
70°-80°	2099.0	9.7
80°-90°	101.7	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°	21579.0	100.0
0°-180°	21579.0	100.0

**Coefficient of Utilization**



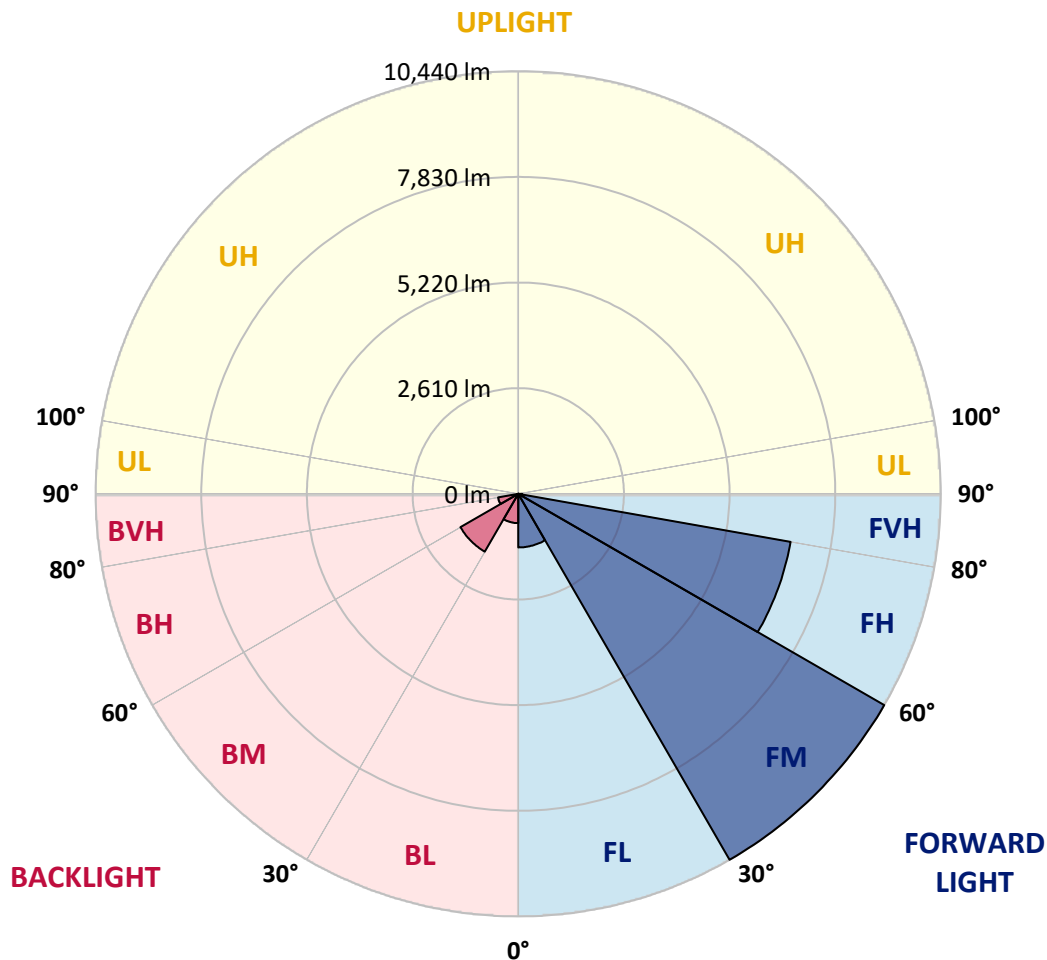
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1325.2	6.1			
FM (30°-60°)	10439.9	48.4			
FH (60°-80°)	6831.4	31.7			G3/7500
FVH (80°-90°)	96.7	0.4			G1/100
BL (0°-30°)	724.5	3.4	B2/1000		
BM (30°-60°)	1649.8	7.6	B2/2500		
BH (60°-80°)	506.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.0	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
2.5°	2501.2	2518.5	2514.2	2509.9	2508.4	2511.3	2512.8	2511.3	2511.3	2511.3
5°	2453.4	2467.9	2467.9	2478.0	2492.5	2509.9	2522.9	2525.8	2528.7	2533.0
7.5°	2362.3	2373.9	2382.6	2415.8	2452.0	2498.3	2537.3	2557.6	2560.5	2576.4
10°	2300.1	2314.6	2329.0	2363.8	2415.8	2485.3	2551.8	2601.0	2608.2	2645.8
12.5°	2297.2	2311.7	2330.5	2368.1	2428.9	2502.6	2583.6	2654.5	2667.5	2722.5
15°	2327.6	2344.9	2362.3	2408.6	2473.7	2563.4	2650.2	2738.4	2751.4	2829.6
17.5°	2389.8	2412.9	2426.0	2472.3	2541.7	2641.5	2755.8	2857.0	2868.6	2959.8
20°	2512.8	2540.2	2544.6	2582.2	2650.2	2757.2	2893.2	3019.1	3033.5	3137.7
22.5°	2767.4	2806.4	2771.7	2790.5	2851.3	2958.3	3105.9	3265.0	3285.2	3403.9
25°	3215.8	3270.8	3181.1	3149.3	3175.3	3286.7	3471.9	3672.9	3696.1	3791.6
27.5°	4096.8	4025.9	3889.9	3756.8	3678.7	3742.4	3950.7	4199.5	4228.4	4321.0
30°	5064.6	5002.4	4818.6	4523.5	4338.4	4328.2	4520.6	4798.4	4831.7	4919.9
32.5°	6033.8	5974.5	5774.9	5411.8	5090.6	4931.5	5064.6	5372.7	5390.1	5446.5
35°	6987.1	6926.4	6726.7	6354.9	5960.0	5598.4	5572.3	5919.5	5925.3	5984.6
37.5°	7946.2	7895.6	7682.9	7318.4	6929.2	6430.2	6188.6	6437.4	6444.6	6502.5
40°	8630.5	8652.2	8506.0	8224.0	7889.8	7344.4	6880.1	6988.6	6945.2	7042.1
42.5°	9217.8	9261.2	9133.9	8992.1	8798.3	8318.0	7736.5	7717.6	7648.2	7700.3
45°	9725.5	9761.7	9647.4	9614.1	9609.8	9272.7	8672.4	8559.6	8462.6	8452.5
47.5°	9912.1	9981.6	10030.8	10142.2	10359.1	10217.4	9640.2	9465.1	9356.6	9277.1
50°	9983.0	10056.8	10224.6	10548.7	11062.2	11123.0	10603.6	10406.9	10273.8	10129.1
52.5°	9887.6	10019.2	10244.9	10790.2	11535.2	11849.2	11528.0	11355.9	11204.0	10968.2
55°	9324.8	9456.5	9917.9	10787.3	11771.0	12358.4	12401.8	12325.1	12154.4	11782.6
57.5°	8138.6	8333.9	9064.4	10419.9	11766.7	12796.7	13258.1	13313.1	13122.2	12589.8
60°	6495.3	6760.0	7651.1	9605.5	11403.6	13033.9	14008.9	14283.8	14081.3	13385.4
62.5°	4532.2	4838.9	5682.3	8329.6	10573.2	12863.2	14557.2	15065.0	14911.6	14097.2
65°	2764.5	2862.8	3542.7	6554.6	9161.4	12148.6	14726.5	15487.4	15436.7	14532.6
67.5°	1841.5	1924.0	2119.3	4494.6	7111.5	10720.8	14321.4	15413.6	15428.1	14461.7
70°	1109.5	1180.4	1307.7	2614.0	4608.9	8485.8	13067.2	14473.3	14557.2	13514.2
72.5°	457.1	504.9	620.6	1184.8	2386.9	5385.7	10405.4	12426.3	12621.6	11363.1
75°	258.9	283.5	364.5	594.6	1035.8	2509.9	6302.9	8821.4	9109.3	7831.9
77.5°	172.1	183.7	235.8	384.8	583.0	856.4	2693.6	4595.9	5145.6	4277.6
80°	115.7	125.9	162.0	257.5	379.0	367.4	857.8	1702.7	2094.7	1469.8
82.5°	78.1	79.6	115.7	169.3	240.1	177.9	253.2	529.5	665.4	425.3
85°	44.8	43.4	85.3	98.4	107.0	73.8	76.7	159.1	208.3	179.4
87.5°	5.8	8.7	33.3	26.0	14.5	15.9	15.9	27.5	40.5	43.4
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°
2509.9	0°	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9	2509.9
2512.8	2.5°	2512.8	2511.3	2507.0	2502.6	2492.5	2486.7	2489.6	2486.7	2485.3	2486.7
2531.6	5°	2531.6	2527.2	2515.6	2501.2	2480.9	2456.3	2440.4	2417.3	2395.6	2382.6
2582.2	7.5°	2582.2	2577.9	2561.9	2521.4	2456.3	2353.6	2259.6	2177.1	2114.9	2078.8
2663.2	10°	2663.2	2656.0	2631.4	2541.7	2371.0	2146.8	1960.2	1805.4	1704.1	1656.4
2758.7	12.5°	2758.7	2750.0	2706.6	2522.9	2209.0	1858.9	1601.4	1429.2	1335.2	1293.3
2868.6	15°	2871.5	2859.9	2774.6	2433.2	1973.2	1540.6	1304.8	1176.1	1115.3	1077.7
3008.9	17.5°	3011.8	2991.6	2825.2	2298.7	1717.1	1297.6	1122.6	1025.6	972.1	936.0
3192.7	20°	3194.1	3160.8	2865.7	2138.1	1481.3	1144.3	999.6	918.6	878.1	846.3
3453.0	22.5°	3448.7	3401.0	2914.9	1964.5	1315.0	1038.7	908.5	849.2	815.9	779.7
3816.1	25°	3764.1	3707.7	2975.7	1803.9	1200.7	947.5	841.9	792.7	753.7	711.7
4292.1	27.5°	4205.3	4104.0	3048.0	1672.3	1102.3	869.4	781.2	726.2	681.4	646.6
4831.7	30°	4697.1	4530.8	3111.6	1592.7	1012.6	797.1	701.6	646.6	604.7	580.1
5316.3	32.5°	5162.9	4937.3	3153.6	1558.0	931.6	714.6	614.8	555.5	523.7	516.4
5790.8	35°	5602.7	5304.7	3149.3	1524.7	859.3	632.2	529.5	468.7	444.1	448.4
6301.4	37.5°	6109.0	5696.7	3118.9	1472.6	800.0	556.9	455.7	402.2	380.5	381.9
6922.0	40°	6697.8	6149.5	3100.1	1374.3	734.9	487.5	394.9	351.5	335.6	329.8
7575.9	42.5°	7325.6	6587.8	3103.0	1262.9	653.9	425.3	353.0	316.8	302.3	298.0
8303.5	45°	7956.3	7005.9	3107.3	1147.2	568.5	377.6	322.6	292.2	283.5	277.7
9041.3	47.5°	8549.4	7361.8	3026.3	1022.8	484.6	341.4	298.0	277.7	270.5	263.3
9782.0	50°	9102.0	7599.0	2831.0	878.1	418.1	312.5	279.2	264.7	257.5	250.3
10453.2	52.5°	9531.7	7636.6	2508.4	729.1	371.8	290.8	267.6	254.6	245.9	238.7
10995.7	55°	9722.6	7400.8	2049.8	590.2	335.6	272.0	256.0	243.0	232.9	225.7
11422.4	57.5°	9673.5	6904.7	1598.5	474.5	300.9	253.2	241.6	232.9	221.3	209.8
11768.1	60°	9431.9	6240.7	1205.0	394.9	269.1	232.9	225.7	218.4	202.5	185.2
11901.2	62.5°	9013.8	5406.0	859.3	326.9	234.4	209.8	206.9	201.1	177.9	146.1
11704.5	65°	8374.4	4391.9	578.6	272.0	201.1	183.7	185.2	175.0	144.7	108.5
10984.1	67.5°	7439.9	3211.5	370.3	222.8	167.8	153.3	154.8	149.0	123.0	92.6
9618.5	70°	6249.3	2126.5	241.6	169.3	134.5	118.6	127.3	128.7	104.2	75.2
7382.0	72.5°	4581.4	1255.7	169.3	125.9	98.4	82.5	104.2	107.0	83.9	56.4
4441.1	75°	2611.1	596.0	127.3	91.1	60.8	57.9	81.0	81.0	57.9	37.6
1922.5	77.5°	1096.5	248.8	89.7	59.3	34.7	33.3	55.0	50.6	28.9	17.4
468.7	80°	316.8	111.4	47.7	28.9	14.5	13.0	21.7	15.9	7.2	2.9
177.9	82.5°	124.4	49.2	18.8	11.6	5.8	5.8	2.9	0.0	0.0	0.0
101.3	85°	73.8	20.3	8.7	4.3	1.4	0.0	0.0	0.0	0.0	0.0
21.7	87.5°	18.8	4.3	2.9	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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