

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: P847696

Luminaire Tested: **GLAN-SB3D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847696
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20410 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

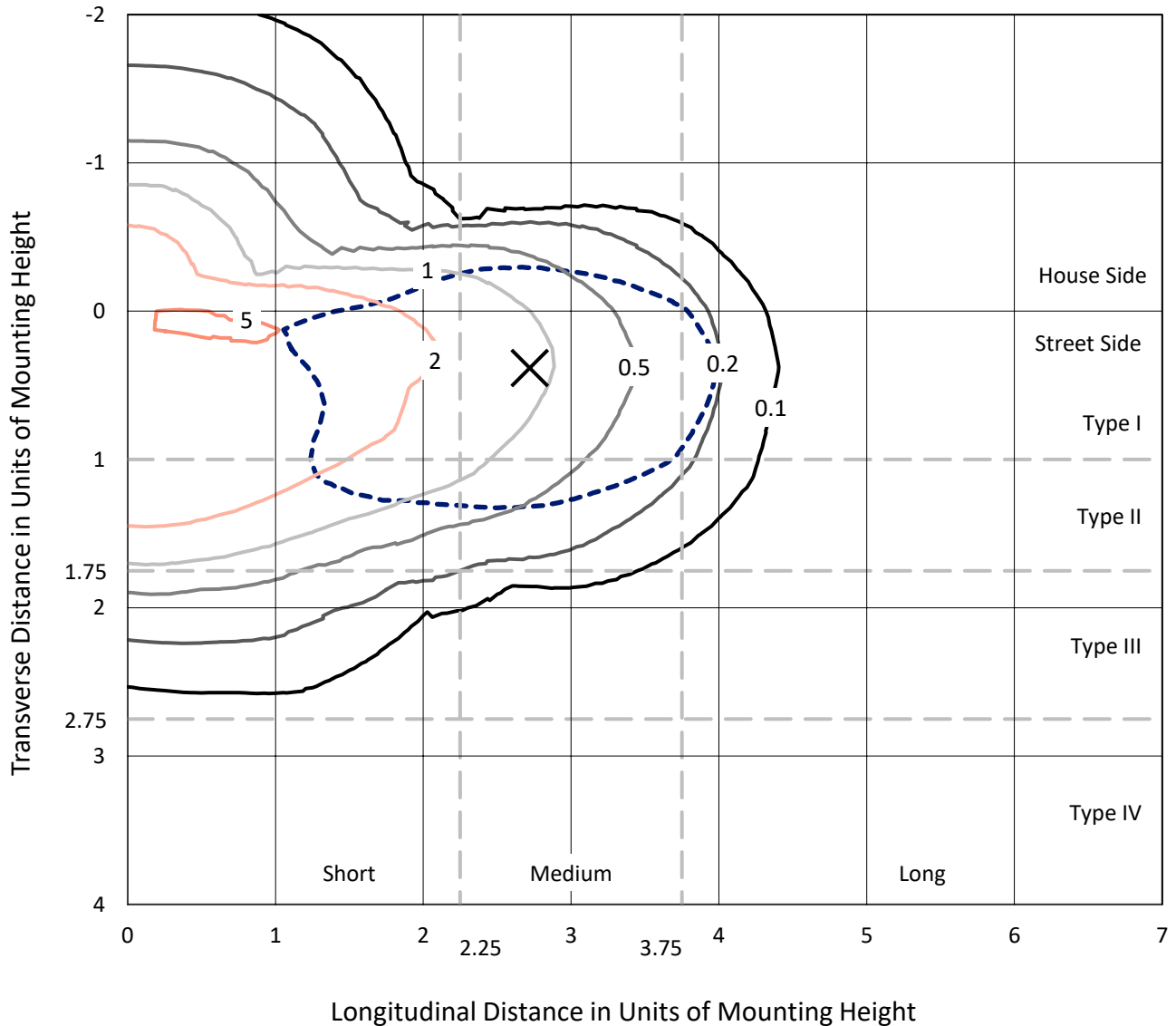
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

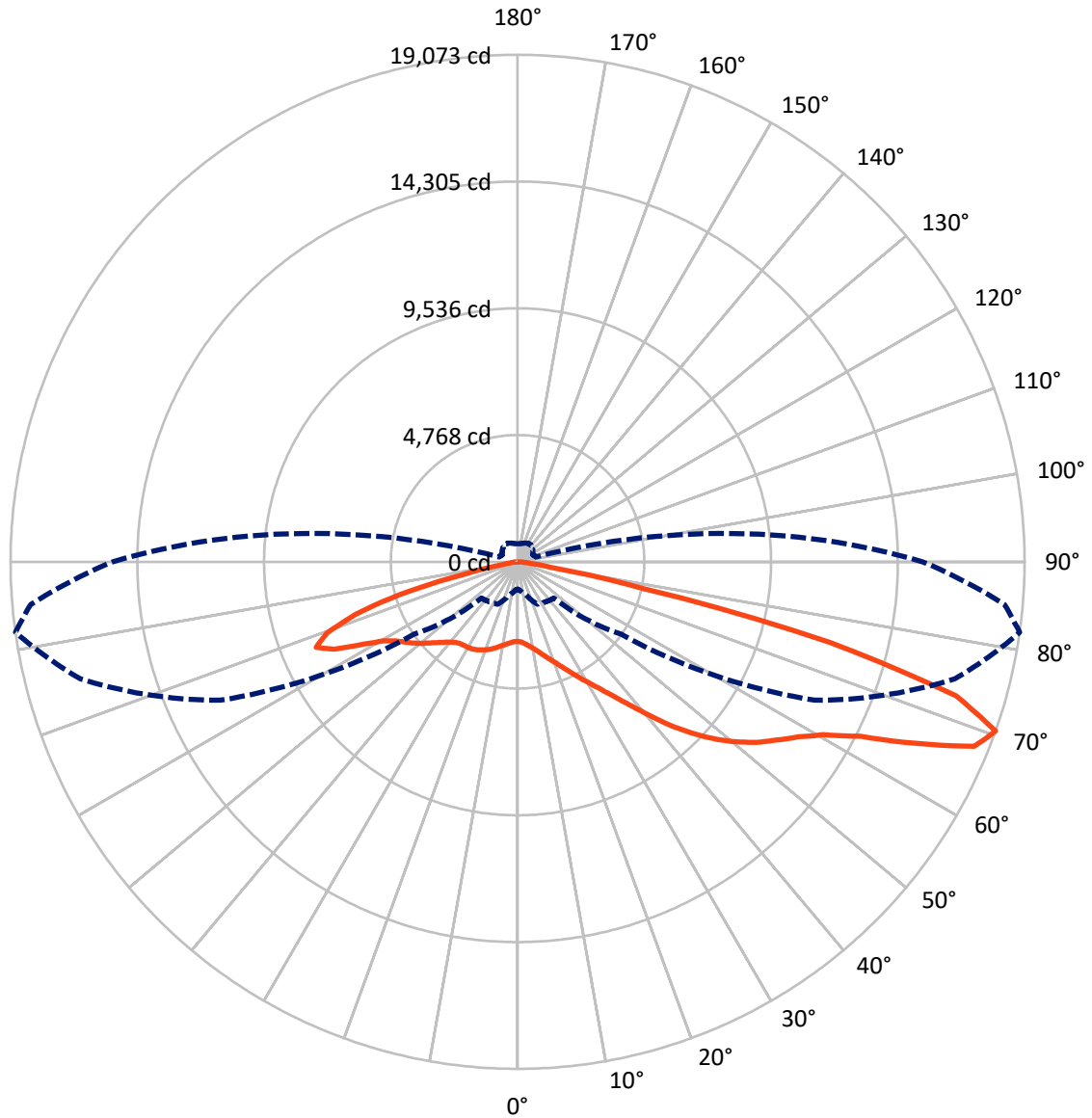
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5031.6	0.0	5031.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15378.4	0.0	15378.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	20410.0	0.0	20410.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.5	1.4
10°-20°	811.7	4.0
20°-30°	1357.9	6.7
30°-40°	2121.5	10.4
40°-50°	3378.7	16.6
50°-60°	4701.8	23.0
60°-70°	4918.3	24.1
70°-80°	2570.6	12.6
80°-90°	266.9	1.3
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°	20410.0	100.0
0°-180°	20410.0	100.0

Coefficient of Utilization



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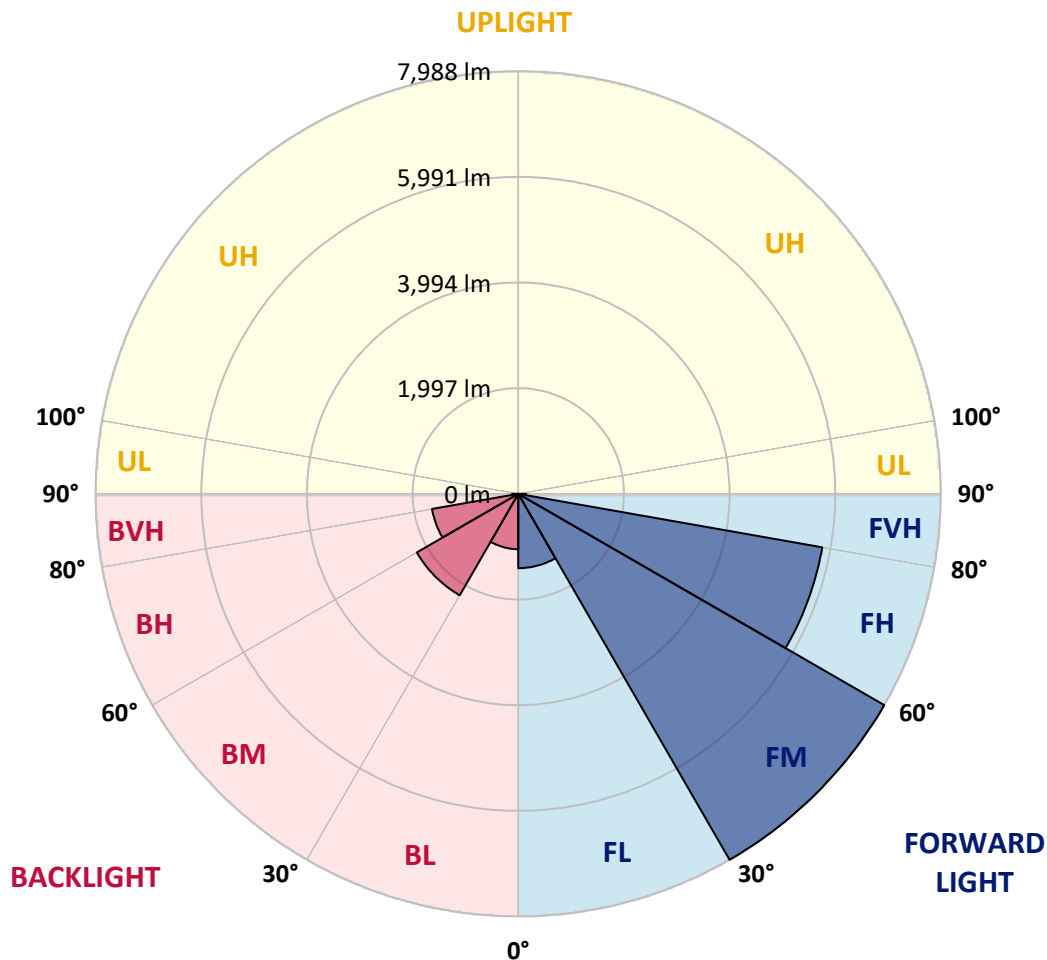
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1405.5	6.9			
FM (30°-60°)	7988.3	39.1			
FH (60°-80°)	5835.3	28.6			G3/7500
FVH (80°-90°)	149.4	0.7			G2/225
BL (0°-30°)	1046.7	5.1	B3/2500		
BM (30°-60°)	2213.7	10.8	B2/2500		
BH (60°-80°)	1653.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	117.5	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4
2.5°	3063.8	3081.2	3075.8	3070.3	3070.3	3062.8	3061.7	3050.8	3042.2	3028.1
5°	3102.8	3121.2	3119.1	3123.4	3137.5	3140.7	3144.0	3137.5	3120.2	3102.8
7.5°	3068.2	3088.7	3095.2	3121.2	3164.6	3203.5	3232.8	3244.7	3228.5	3203.5
10°	2951.2	2974.0	2996.7	3058.4	3135.3	3227.4	3305.4	3351.9	3348.7	3324.8
12.5°	2714.0	2737.9	2786.6	2906.8	3047.6	3210.0	3355.2	3452.6	3486.2	3468.9
15°	2524.5	2545.1	2581.9	2705.4	2888.4	3135.3	3373.6	3563.1	3648.7	3638.9
17.5°	2519.1	2527.7	2550.5	2609.0	2749.8	3018.4	3354.1	3671.4	3834.9	3833.9
20°	2614.4	2617.6	2630.6	2642.5	2722.7	2929.5	3304.3	3761.3	4044.0	4044.0
22.5°	2746.5	2744.4	2757.3	2746.5	2785.5	2922.0	3272.9	3840.4	4276.8	4294.1
25°	2944.7	2933.9	2930.6	2905.7	2913.3	2992.4	3307.5	3930.2	4553.0	4588.7
27.5°	3209.0	3191.6	3179.7	3122.3	3102.8	3137.5	3413.7	4038.6	4860.6	4922.3
30°	3553.4	3522.0	3504.6	3405.0	3334.6	3340.0	3573.9	4182.6	5182.2	5281.8
32.5°	4023.4	3974.7	3928.1	3764.5	3635.7	3593.4	3780.8	4381.9	5530.9	5690.1
35°	4549.7	4510.7	4460.9	4208.6	4010.4	3912.9	4060.2	4660.2	5939.2	6191.6
37.5°	5056.6	5023.0	5046.8	4706.8	4451.2	4309.3	4426.3	5033.8	6442.8	6815.4
40°	5580.8	5554.8	5558.0	5233.1	4935.3	4776.1	4870.3	5502.8	7020.1	7557.3
42.5°	6150.4	6130.9	6065.9	5777.9	5443.2	5294.8	5381.5	6044.3	7639.6	8402.0
45°	6788.3	6776.4	6715.8	6385.4	6002.1	5835.3	5952.2	6642.1	8262.3	9196.9
47.5°	7339.6	7349.3	7341.7	7063.4	6665.9	6421.2	6560.9	7265.9	8841.7	9944.2
50°	7604.9	7655.8	7730.5	7643.9	7397.0	7147.9	7175.0	7868.1	9394.0	10644.9
52.5°	7466.3	7562.7	7766.3	7904.9	8000.2	7948.2	7875.7	8465.9	9913.9	11277.4
55°	6949.7	7085.1	7423.0	7757.6	8243.9	8621.9	8717.2	9128.7	10420.7	11834.1
57.5°	6008.5	6228.4	6531.6	7208.5	8027.3	8947.8	9698.4	10048.2	10957.9	12428.6
60°	4394.9	4689.4	5066.3	6073.5	7269.2	8773.5	10533.4	11460.4	11721.4	13198.7
62.5°	2812.6	2994.5	3341.1	4289.8	5664.2	7880.0	10789.0	13225.7	13015.6	14461.5
65°	1925.6	2042.6	2359.9	2892.7	3661.7	5865.6	10104.5	14549.2	15071.2	16462.9
67.5°	1399.3	1488.1	1758.8	2225.6	2385.9	3471.1	7841.0	14488.5	17069.3	18524.9
70°	1020.2	1083.0	1310.4	1758.8	1835.7	1931.0	4750.1	12316.0	17026.0	19072.9
72.5°	755.9	799.3	952.0	1364.6	1485.9	1303.9	2351.2	8951.1	14630.4	17251.3
75°	546.9	579.4	692.0	1044.0	1189.1	993.1	1172.9	5230.9	10205.2	12135.1
77.5°	418.0	443.0	516.6	764.6	952.0	745.1	727.8	2406.5	4838.9	4862.7
80°	335.7	352.0	392.1	538.3	729.9	557.8	474.4	971.5	1529.2	1294.2
82.5°	246.9	274.0	331.4	378.0	522.0	384.5	289.2	490.6	581.6	500.4
85°	140.8	159.2	200.4	270.8	333.6	235.0	165.7	217.7	270.8	222.0
87.5°	49.8	65.0	70.4	106.1	145.1	97.5	63.9	62.8	88.8	66.1
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°
2992.4	0°	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4	2992.4
3024.9	2.5°	3014.0	3008.6	2986.9	2957.7	2927.4	2898.1	2888.4	2867.8	2853.7	2846.2
3095.2	5°	3074.7	3057.3	3006.4	2941.5	2873.2	2799.6	2747.6	2699.9	2665.3	2632.8
3191.6	7.5°	3161.3	3131.0	3043.3	2929.5	2808.2	2685.9	2594.9	2525.6	2479.0	2448.7
3304.3	10°	3262.0	3215.5	3081.2	2911.1	2723.8	2548.3	2441.1	2381.5	2352.3	2336.1
3433.1	12.5°	3377.9	3311.8	3120.2	2868.9	2594.9	2394.5	2320.9	2303.6	2304.6	2305.7
3595.6	15°	3520.9	3428.8	3151.6	2776.8	2427.0	2276.5	2263.5	2291.7	2320.9	2335.0
3779.7	17.5°	3682.2	3552.3	3157.0	2625.2	2262.4	2200.7	2241.8	2302.5	2346.9	2366.4
3985.5	20°	3855.5	3677.9	3118.0	2410.8	2127.0	2138.9	2212.6	2290.6	2339.3	2364.2
4220.5	22.5°	4053.7	3812.2	3024.9	2185.5	2016.6	2071.8	2158.4	2234.3	2285.2	2310.1
4496.7	25°	4280.1	3962.7	2878.6	1996.0	1921.3	1996.0	2082.6	2145.4	2186.6	2209.3
4805.3	27.5°	4531.3	4119.8	2683.7	1845.5	1837.9	1918.0	1989.5	2038.2	2059.9	2077.2
5133.5	30°	4783.7	4262.7	2447.6	1731.7	1765.3	1841.1	1892.0	1913.7	1920.2	1923.4
5499.5	32.5°	5056.6	4386.2	2199.6	1637.5	1696.0	1766.4	1796.7	1806.5	1776.1	1755.6
5943.6	35°	5386.9	4518.3	1957.0	1562.8	1627.8	1688.4	1698.2	1689.5	1653.8	1611.5
6500.2	37.5°	5795.2	4682.9	1763.1	1509.7	1563.9	1603.9	1592.0	1589.9	1593.1	1543.3
7169.5	40°	6295.5	4897.4	1621.3	1468.6	1511.9	1520.5	1487.0	1505.4	1521.6	1445.8
7903.8	42.5°	6851.1	5156.2	1531.4	1440.4	1468.6	1448.0	1396.0	1416.6	1414.4	1314.8
8641.4	45°	7417.5	5437.8	1500.0	1419.8	1428.5	1387.3	1329.9	1335.4	1289.9	1200.0
9348.6	47.5°	7980.7	5740.0	1519.5	1402.5	1378.7	1332.1	1287.7	1263.9	1196.7	1129.6
10026.5	50°	8533.0	6057.3	1590.9	1367.8	1310.4	1283.4	1250.9	1208.6	1137.2	1079.8
10667.7	52.5°	9045.3	6376.8	1671.1	1310.4	1224.9	1241.1	1220.6	1171.8	1101.4	1042.9
11274.2	55°	9530.5	6696.3	1702.5	1231.4	1144.7	1204.3	1192.4	1102.5	1018.0	970.4
11908.8	57.5°	10059.0	7080.7	1667.8	1130.7	1079.8	1162.1	1116.6	1016.9	968.2	932.5
12735.1	60°	10791.1	7684.0	1593.1	1006.1	1018.0	1099.3	1021.3	980.1	927.1	887.0
13974.1	62.5°	12007.4	8809.2	1472.9	882.7	945.5	1006.1	975.8	934.6	880.5	841.5
16092.5	65°	13805.1	10373.1	1246.5	786.3	864.2	915.1	927.1	885.9	829.6	788.4
17948.8	67.5°	15321.4	11354.3	943.3	706.1	780.9	841.5	875.1	835.0	775.4	735.4
18383.0	70°	15238.0	10641.7	720.2	627.1	707.2	768.9	812.3	780.9	717.0	679.0
16697.9	72.5°	13534.4	8902.4	582.7	546.9	632.5	693.1	745.1	721.3	656.3	619.5
12232.6	75°	9943.1	6319.4	465.7	465.7	539.3	614.1	671.5	656.3	596.7	570.7
5135.6	77.5°	4191.3	2651.2	365.0	386.6	448.4	527.4	598.9	604.3	552.3	584.8
1358.1	80°	1114.4	731.0	278.3	304.3	352.0	435.4	520.9	518.8	462.4	432.1
504.7	82.5°	424.5	288.1	198.2	214.4	254.5	333.6	412.6	425.6	369.3	319.5
198.2	85°	163.5	123.5	122.4	128.9	148.4	220.9	311.9	322.7	278.3	236.1
55.2	87.5°	42.2	36.8	45.5	43.3	68.2	118.0	178.7	185.2	170.0	98.6
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°
2992.4
2854.8
2645.8
2455.2
2340.4
2307.9
2333.9
2370.7
2370.7
2316.6
2215.8
2083.7
1931.0
1762.1
1613.7
1546.5
1448.0
1313.7
1203.2
1129.6
1075.4
1044.0
966.0
929.2
884.8
841.5
790.6
736.4
682.3
619.5
563.2
530.7
401.8
319.5
243.7
140.8
0.0

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