

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: P850456

Luminaire Tested: **GLAN-SB8A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850456
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-SB8A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28105 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

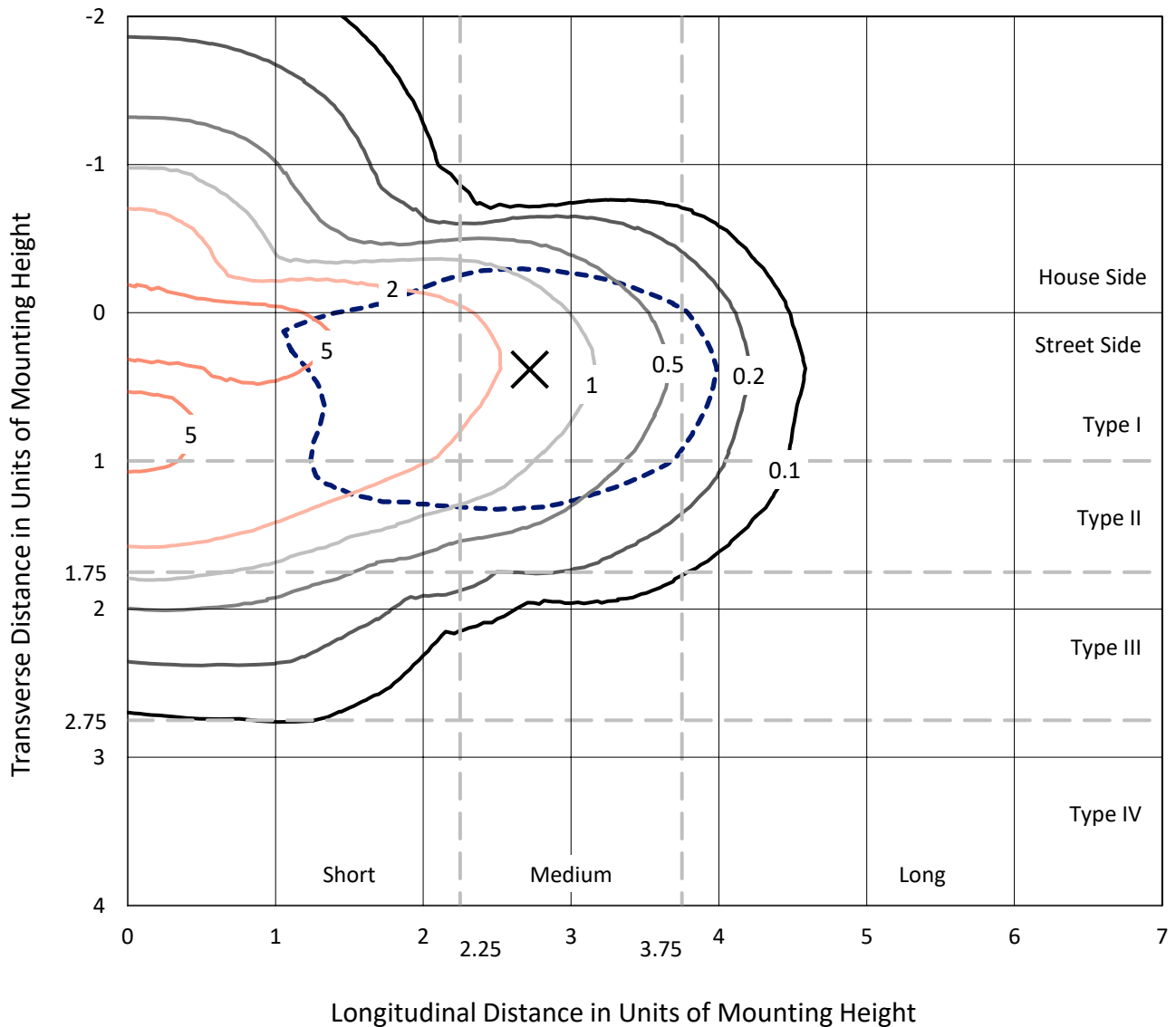
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

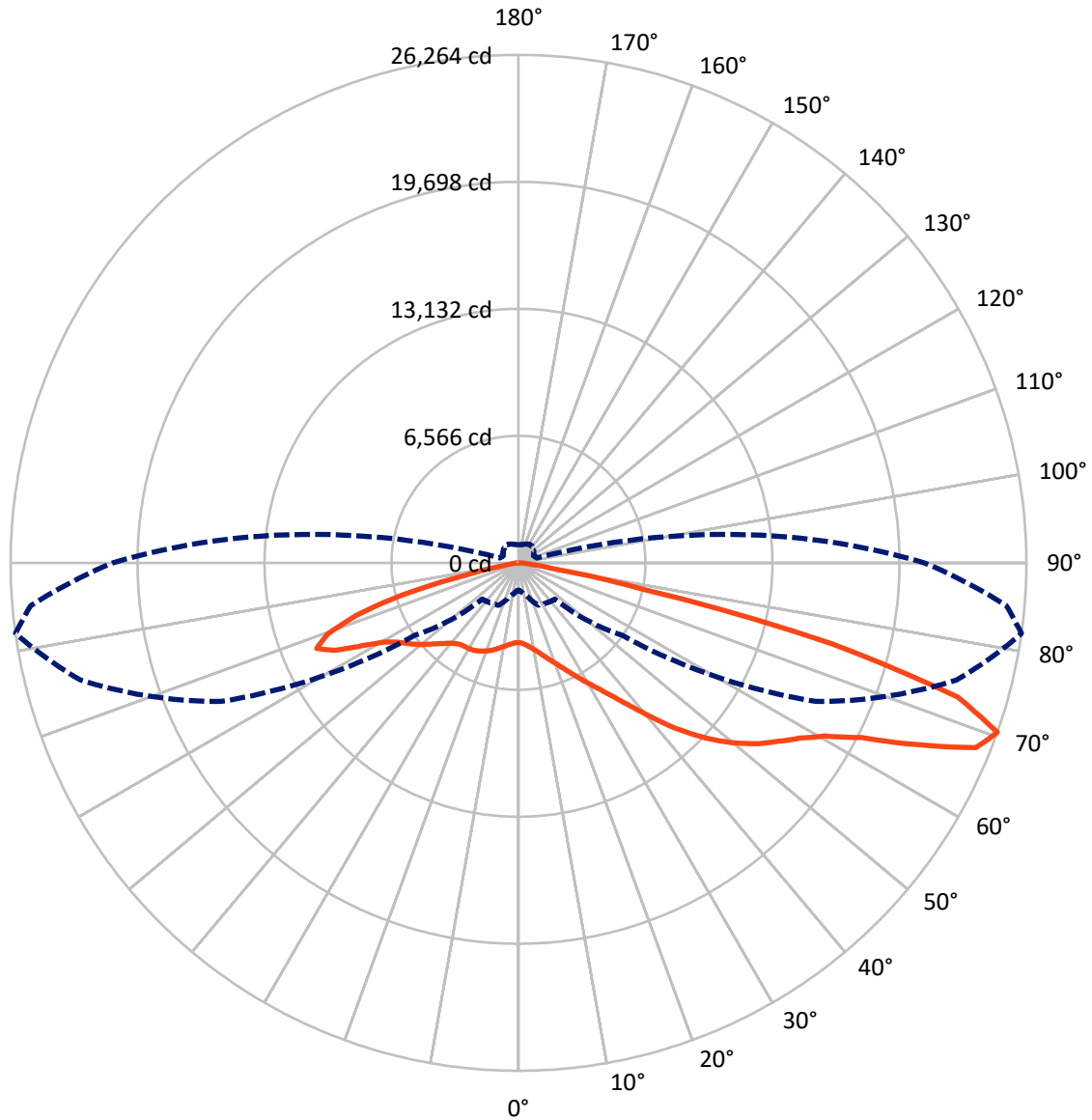
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	6928.6	0.0	6928.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21176.4	0.0	21176.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	28105.0	0.0	28105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.1	1.4
10°-20°	1117.8	4.0
20°-30°	1869.9	6.7
30°-40°	2921.3	10.4
40°-50°	4652.5	16.6
50°-60°	6474.5	23.0
60°-70°	6772.6	24.1
70°-80°	3539.7	12.6
80°-90°	367.6	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°	28105.0	100.0
0°-180°	28105.0	100.0

Coefficient of Utilization

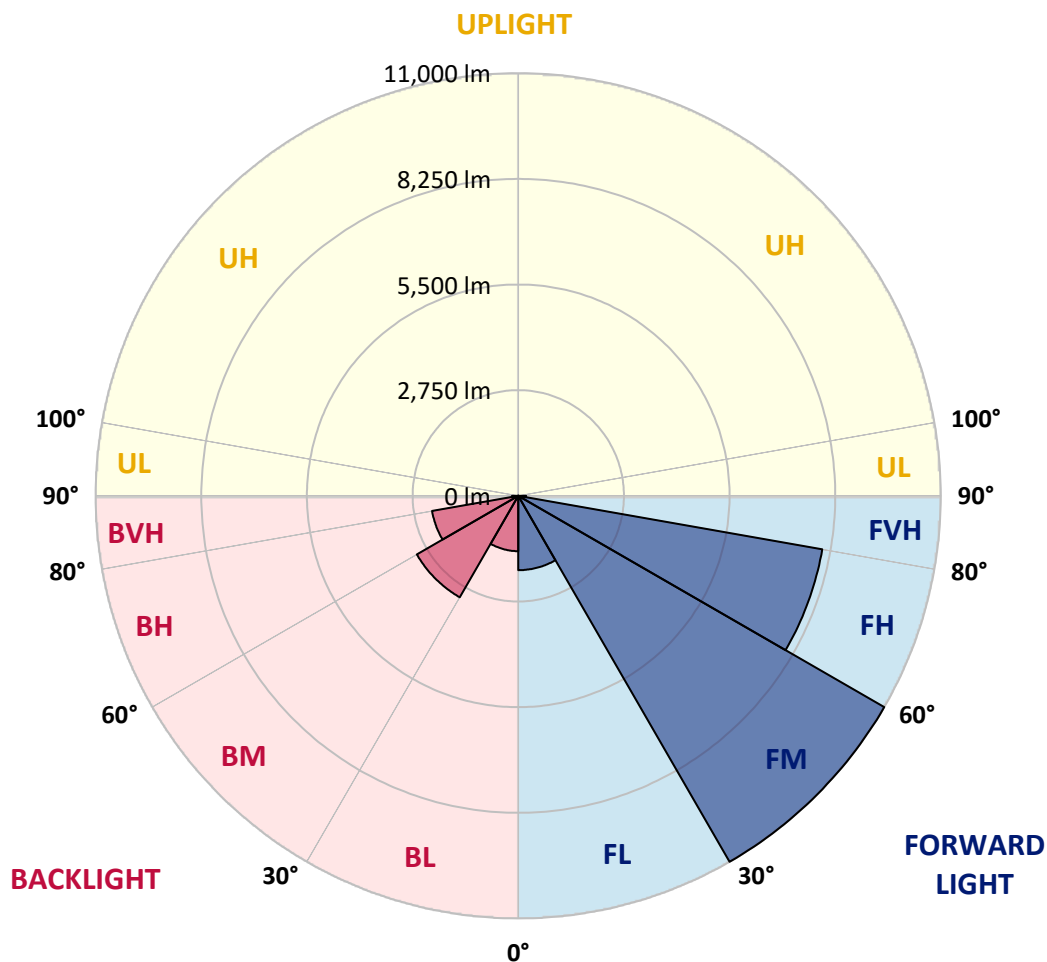


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1935.3	6.9			
FM (30°-60°)	11000.0	39.1			
FH (60°-80°)	8035.3	28.6			G4/12000
FVH (80°-90°)	205.8	0.7			G2/225
BL (0°-30°)	1441.4	5.1	B3/2500		
BM (30°-60°)	3048.3	10.8	B3/5000		
BH (60°-80°)	2277.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	161.8	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5
2.5°	4219.0	4242.8	4235.4	4227.9	4227.9	4217.5	4216.0	4201.1	4189.1	4169.8
5°	4272.7	4298.0	4295.0	4301.0	4320.4	4324.9	4329.3	4320.4	4296.5	4272.7
7.5°	4224.9	4253.3	4262.2	4298.0	4357.7	4411.4	4451.6	4468.0	4445.7	4411.4
10°	4063.9	4095.2	4126.5	4211.5	4317.4	4444.2	4551.5	4615.7	4611.2	4578.4
12.5°	3737.3	3770.1	3837.2	4002.7	4196.6	4420.3	4620.1	4754.4	4800.6	4776.7
15°	3476.3	3504.6	3555.3	3725.3	3977.4	4317.4	4645.5	4906.5	5024.3	5010.9
17.5°	3468.8	3480.8	3512.1	3592.6	3786.5	4156.3	4618.6	5055.6	5280.8	5279.3
20°	3600.1	3604.5	3622.4	3638.8	3749.2	4034.0	4550.0	5179.4	5568.6	5568.6
22.5°	3782.0	3779.0	3796.9	3782.0	3835.7	4023.6	4506.8	5288.3	5889.3	5913.1
25°	4054.9	4040.0	4035.5	4001.2	4011.7	4120.5	4554.5	5412.0	6269.6	6318.8
27.5°	4418.8	4394.9	4378.5	4299.5	4272.7	4320.4	4700.7	5561.2	6693.1	6778.1
30°	4893.1	4849.8	4825.9	4688.7	4591.8	4599.3	4921.4	5759.5	7136.0	7273.2
32.5°	5540.3	5473.2	5409.1	5183.9	5006.4	4948.2	5206.2	6033.9	7616.2	7835.4
35°	6265.1	6211.4	6142.8	5795.3	5522.4	5388.2	5591.0	6417.2	8178.5	8525.9
37.5°	6963.0	6916.8	6949.6	6481.3	6129.4	5934.0	6095.1	6931.7	8871.9	9384.9
40°	7684.8	7649.0	7653.5	7206.1	6796.0	6576.8	6706.5	7577.4	9666.8	10406.5
42.5°	8469.3	8442.4	8352.9	7956.2	7495.4	7291.1	7410.4	8323.1	10519.8	11569.7
45°	9347.7	9331.3	9247.7	8792.9	8265.0	8035.3	8196.3	9146.3	11377.4	12664.4
47.5°	10106.7	10120.2	10109.7	9726.5	9179.1	8842.1	9034.5	10005.3	12175.2	13693.4
50°	10472.1	10542.2	10645.1	10525.8	10185.8	9842.8	9880.1	10834.5	12935.8	14658.3
52.5°	10281.2	10414.0	10694.3	10885.2	11016.5	10944.9	10845.0	11657.7	13651.6	15529.2
55°	9569.9	9756.3	10221.6	10682.4	11352.0	11872.5	12003.7	12570.4	14349.6	16295.8
57.5°	8273.9	8576.6	8994.2	9926.3	11053.7	12321.4	13354.9	13836.6	15089.3	17114.5
60°	6051.8	6457.5	6976.4	8363.4	10009.8	12081.3	14504.7	15781.3	16140.7	18174.8
62.5°	3873.0	4123.5	4600.8	5907.2	7799.7	10850.9	14856.6	18212.1	17922.8	19913.7
65°	2651.6	2812.6	3249.6	3983.3	5042.2	8077.0	13914.1	20034.5	20753.3	22669.7
67.5°	1926.8	2049.1	2421.9	3064.7	3285.4	4779.7	10797.2	19951.0	23504.9	25509.2
70°	1404.8	1491.3	1804.5	2421.9	2527.8	2659.0	6541.0	16959.4	23445.2	26263.8
72.5°	1040.9	1100.6	1310.9	1879.1	2046.1	1795.6	3237.7	12325.8	20146.4	23755.4
75°	753.1	797.9	953.0	1437.6	1637.5	1367.5	1615.1	7203.1	14052.8	16710.4
77.5°	575.7	610.0	711.4	1052.9	1310.9	1026.0	1002.2	3313.7	6663.3	6696.1
80°	462.3	484.7	539.9	741.2	1005.2	768.0	653.2	1337.7	2105.8	1782.1
82.5°	340.0	377.3	456.3	520.5	718.8	529.4	398.2	675.6	800.8	689.0
85°	193.9	219.2	275.9	372.8	459.3	323.6	228.2	299.8	372.8	305.7
87.5°	68.6	89.5	96.9	146.2	199.8	134.2	88.0	86.5	122.3	91.0
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°
4120.5	0°	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5	4120.5
4165.3	2.5°	4150.4	4142.9	4113.1	4072.8	4031.1	3990.8	3977.4	3949.0	3929.7	3919.2
4262.2	5°	4233.9	4210.0	4139.9	4050.5	3956.5	3855.1	3783.5	3717.9	3670.2	3625.4
4394.9	7.5°	4353.2	4311.4	4190.6	4034.0	3867.0	3698.5	3573.2	3477.8	3413.7	3371.9
4550.0	10°	4491.9	4427.8	4242.8	4008.7	3750.7	3509.1	3361.5	3279.4	3239.2	3216.8
4727.5	12.5°	4651.5	4560.5	4296.5	3950.5	3573.2	3297.3	3195.9	3172.1	3173.5	3175.0
4951.2	15°	4848.3	4721.6	4339.8	3823.8	3342.1	3134.8	3116.9	3155.7	3195.9	3215.3
5204.7	17.5°	5070.5	4891.6	4347.2	3615.0	3115.4	3030.4	3087.1	3170.6	3231.7	3258.6
5488.1	20°	5309.1	5064.6	4293.5	3319.7	2929.0	2945.4	3046.8	3154.2	3221.3	3255.6
5811.7	22.5°	5582.0	5249.5	4165.3	3009.5	2776.9	2852.9	2972.2	3076.6	3146.7	3181.0
6192.0	25°	5893.7	5456.8	3964.0	2748.5	2645.6	2748.5	2867.8	2954.3	3011.0	3042.3
6617.0	27.5°	6239.7	5673.0	3695.5	2541.2	2530.8	2641.1	2739.6	2806.7	2836.5	2860.4
7068.9	30°	6587.2	5869.9	3370.4	2384.6	2430.9	2535.3	2605.4	2635.2	2644.1	2648.6
7573.0	32.5°	6963.0	6039.9	3028.9	2254.9	2335.4	2432.4	2474.1	2487.5	2445.8	2417.4
8184.4	35°	7417.9	6221.8	2694.8	2152.0	2241.5	2325.0	2338.4	2326.5	2277.3	2219.1
8951.0	37.5°	7980.1	6448.5	2427.9	2078.9	2153.5	2208.7	2192.3	2189.3	2193.7	2125.1
9872.6	40°	8669.1	6743.8	2232.5	2022.2	2081.9	2093.8	2047.6	2072.9	2095.3	1990.9
10883.7	42.5°	9434.2	7100.2	2108.7	1983.5	2022.2	1993.9	1922.3	1950.7	1947.7	1810.5
11899.3	45°	10214.1	7488.0	2065.5	1955.1	1967.1	1910.4	1831.4	1838.8	1776.2	1652.4
12873.2	47.5°	10989.6	7904.0	2092.3	1931.3	1898.5	1834.3	1773.2	1740.4	1647.9	1555.5
13806.7	50°	11750.2	8341.0	2190.8	1883.5	1804.5	1767.2	1722.5	1664.3	1565.9	1486.9
14689.6	52.5°	12455.6	8781.0	2301.1	1804.5	1686.7	1709.1	1680.7	1613.6	1516.7	1436.2
15524.7	55°	13123.7	9220.9	2344.4	1695.6	1576.3	1658.4	1642.0	1518.2	1401.9	1336.2
16398.7	57.5°	13851.5	9750.3	2296.6	1556.9	1486.9	1600.2	1537.6	1400.4	1333.2	1284.0
17536.5	60°	14859.6	10581.0	2193.7	1385.4	1401.9	1513.7	1406.3	1349.7	1276.6	1221.4
19242.6	62.5°	16534.4	12130.5	2028.2	1215.4	1301.9	1385.4	1343.7	1287.0	1212.5	1158.8
22159.7	65°	19010.0	14284.0	1716.5	1082.7	1190.1	1260.2	1276.6	1219.9	1142.4	1085.7
24715.8	67.5°	21097.8	15635.1	1298.9	972.3	1075.2	1158.8	1205.0	1149.8	1067.8	1012.6
25313.8	70°	20983.0	14653.8	991.7	863.5	973.8	1058.8	1118.5	1075.2	987.3	935.1
22993.3	72.5°	18637.1	12258.7	802.3	753.1	870.9	954.5	1026.0	993.2	903.7	853.0
16844.6	75°	13691.9	8701.9	641.3	641.3	742.7	845.6	924.6	903.7	821.7	785.9
7071.9	77.5°	5771.4	3650.8	502.6	532.4	617.4	726.3	824.7	832.2	760.6	805.3
1870.1	80°	1534.6	1006.6	383.3	419.1	484.7	599.5	717.3	714.3	636.8	595.0
695.0	82.5°	584.6	396.7	272.9	295.3	350.5	459.3	568.2	586.1	508.5	439.9
272.9	85°	225.2	170.0	168.5	177.5	204.3	304.2	429.5	444.4	383.3	325.1
76.1	87.5°	58.2	50.7	62.6	59.7	94.0	162.6	246.1	255.0	234.1	135.7
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°
4120.5
3931.1
3643.3
3380.8
3222.8
3178.0
3213.8
3264.5
3264.5
3190.0
3051.3
2869.3
2659.0
2426.4
2222.1
2129.6
1993.9
1809.0
1656.9
1555.5
1480.9
1437.6
1330.3
1279.6
1218.4
1158.8
1088.7
1014.1
939.5
853.0
775.5
730.8
553.3
439.9
335.5
193.9
0.0

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