

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: P850546

Luminaire Tested: **GLAN-SB8A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850546
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-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29758 lumens
Efficiency: N/A
Efficacy: 131.0 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

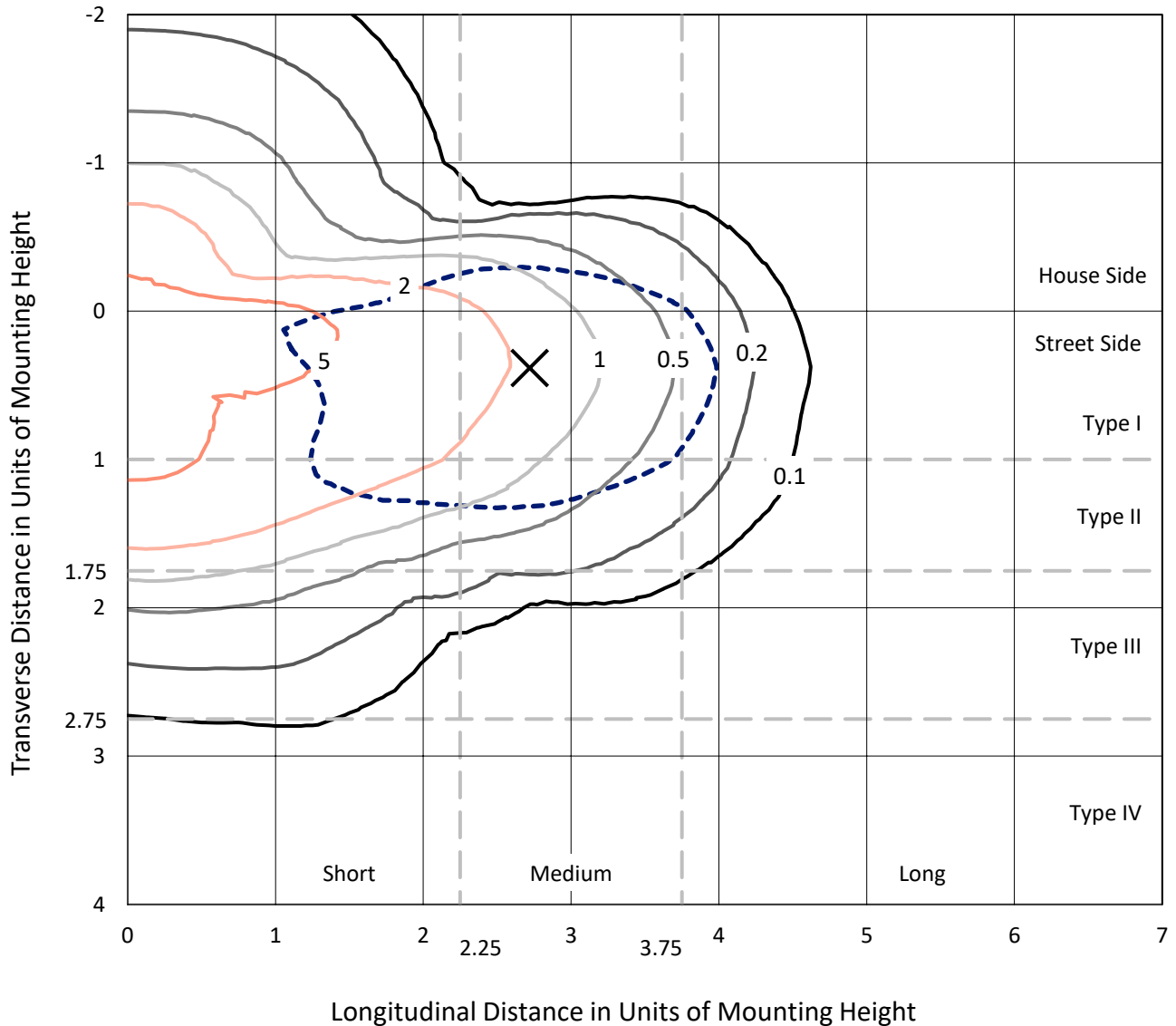
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

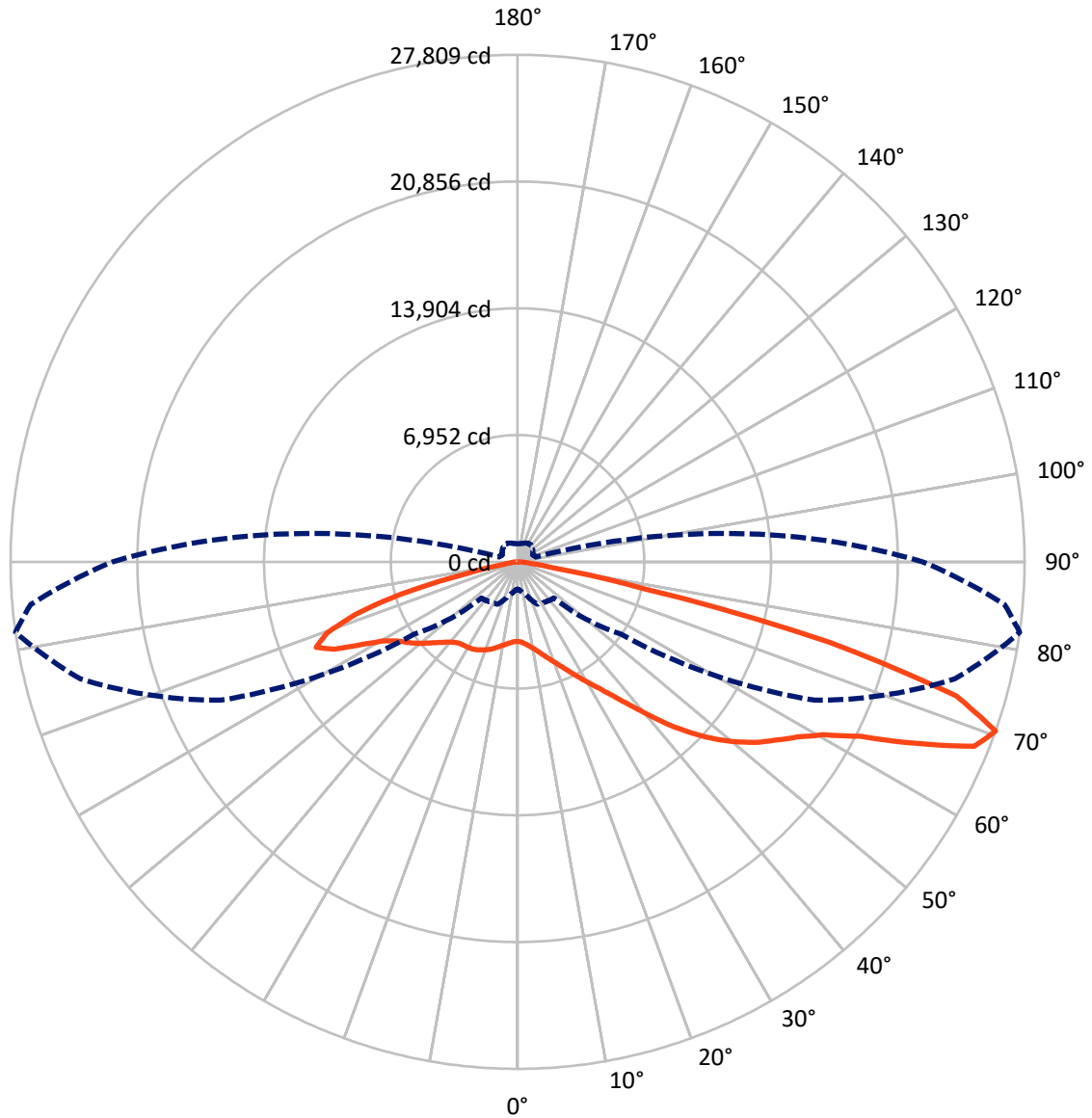
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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	7336.1	0.0	7336.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	22421.9	0.0	22421.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	29758.0	0.0	29758.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.9	1.4
10°-20°	1183.5	4.0
20°-30°	1979.9	6.7
30°-40°	3093.1	10.4
40°-50°	4926.1	16.6
50°-60°	6855.3	23.0
60°-70°	7171.0	24.1
70°-80°	3747.9	12.6
80°-90°	389.2	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°	29758.0	100.0
0°-180°	29758.0	100.0

Coefficient of Utilization

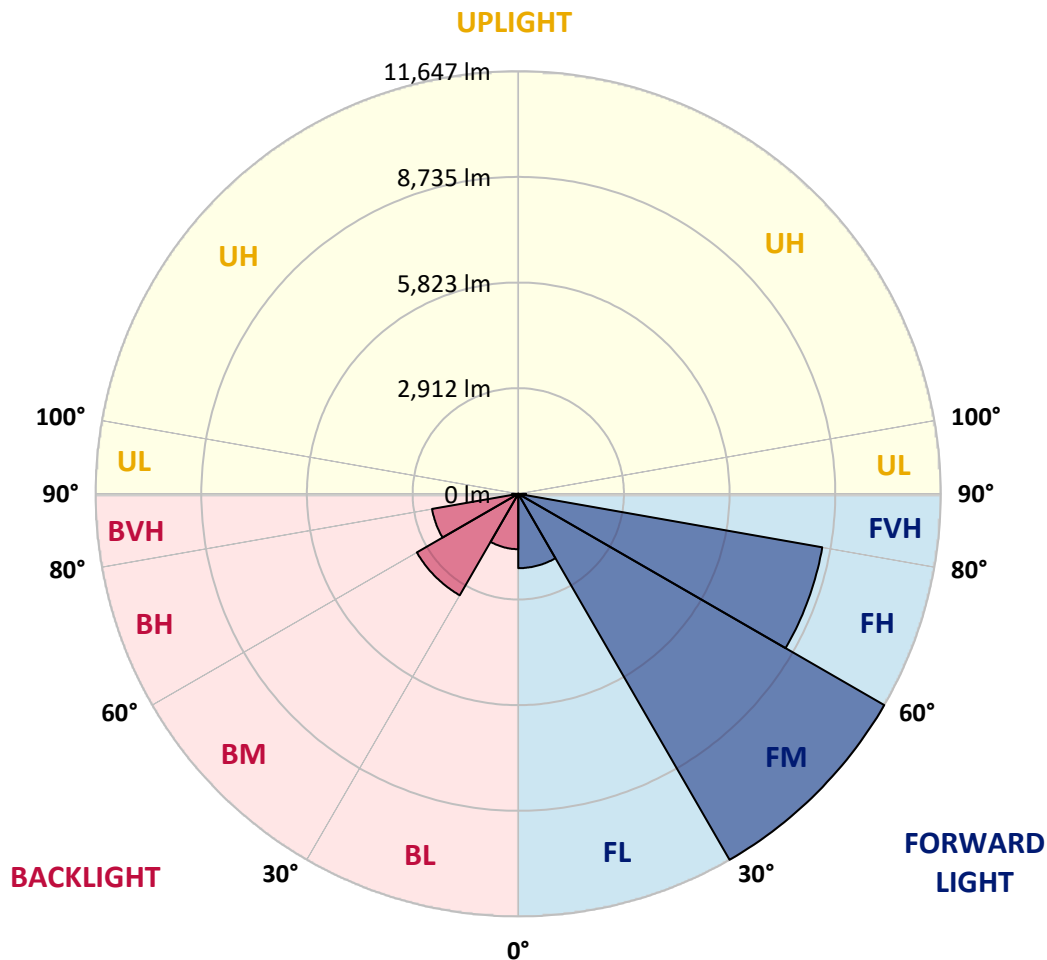


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2049.2	6.9			
FM (30°-60°)	11647.0	39.1			
FH (60°-80°)	8507.9	28.6			G4/12000
FVH (80°-90°)	217.9	0.7			G2/225
BL (0°-30°)	1526.2	5.1	B3/2500		
BM (30°-60°)	3227.6	10.8	B3/5000		
BH (60°-80°)	2411.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	171.3	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°	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9
2.5°	4467.1	4492.4	4484.5	4476.6	4476.6	4465.5	4464.0	4448.2	4435.5	4415.0
5°	4524.0	4550.8	4547.6	4554.0	4574.5	4579.2	4584.0	4574.5	4549.2	4524.0
7.5°	4473.4	4503.4	4512.9	4550.8	4614.0	4670.8	4713.4	4730.8	4707.1	4670.8
10°	4302.9	4336.1	4369.2	4459.2	4571.3	4705.5	4819.2	4887.1	4882.4	4847.7
12.5°	3957.1	3991.8	4062.9	4238.2	4443.4	4680.3	4891.9	5034.0	5082.9	5057.7
15°	3680.7	3710.8	3764.4	3944.4	4211.3	4571.3	4918.7	5195.1	5319.8	5305.6
17.5°	3672.9	3685.5	3718.6	3803.9	4009.2	4400.8	4890.3	5353.0	5591.4	5589.8
20°	3811.8	3816.5	3835.5	3852.9	3969.7	4271.3	4817.7	5484.0	5896.1	5896.1
22.5°	4004.5	4001.3	4020.2	4004.5	4061.3	4260.3	4771.9	5599.3	6235.6	6260.9
25°	4293.4	4277.6	4272.9	4236.6	4247.6	4362.9	4822.4	5730.3	6638.3	6690.4
27.5°	4678.7	4653.4	4636.1	4552.4	4524.0	4574.5	4977.1	5888.3	7086.7	7176.7
30°	5180.8	5135.0	5109.8	4964.5	4861.9	4869.8	5210.8	6098.3	7555.7	7701.0
32.5°	5866.1	5795.1	5727.2	5488.8	5300.8	5239.3	5512.4	6388.8	8064.2	8296.3
35°	6633.6	6576.7	6504.1	6136.2	5847.2	5705.1	5919.8	6794.6	8659.5	9027.4
37.5°	7372.6	7323.6	7358.3	6862.5	6489.9	6283.0	6453.5	7339.4	9393.7	9936.9
40°	8136.8	8098.9	8103.6	7629.9	7195.7	6963.6	7101.0	8023.1	10235.4	11018.6
42.5°	8967.4	8939.0	8844.2	8424.2	7936.3	7719.9	7846.3	8812.6	11138.6	12250.2
45°	9897.4	9880.1	9791.6	9310.0	8751.1	8507.9	8678.4	9684.3	12046.5	13409.2
47.5°	10701.2	10715.4	10704.3	10298.5	9719.0	9362.1	9565.8	10593.8	12891.3	14498.8
50°	11088.0	11162.3	11271.2	11144.9	10784.9	10421.7	10461.2	11471.7	13696.6	15520.4
52.5°	10885.9	11026.5	11323.3	11525.4	11664.4	11588.6	11482.8	12343.4	14454.6	16442.6
55°	10132.7	10330.1	10822.8	11310.7	12019.7	12570.8	12709.7	13309.8	15193.5	17254.2
57.5°	8760.5	9081.1	9523.2	10510.1	11703.9	13046.1	14140.3	14650.4	15976.8	18121.1
60°	6407.8	6837.3	7386.8	8855.3	10598.5	12791.8	15357.8	16709.4	17090.0	19243.8
62.5°	4100.8	4366.1	4871.3	6254.6	8258.4	11489.1	15730.4	19283.3	18976.9	21085.0
65°	2807.5	2978.1	3440.7	4217.6	5338.7	8552.1	14732.5	21212.9	21974.0	24003.0
67.5°	2040.1	2169.6	2564.4	3244.9	3478.6	5060.8	11432.3	21124.4	24887.3	27009.5
70°	1487.5	1579.0	1910.6	2564.4	2676.5	2815.4	6925.7	17956.9	24824.1	27808.5
72.5°	1102.2	1165.3	1388.0	1989.6	2166.4	1901.2	3428.1	13050.8	21331.3	25152.6
75°	797.4	844.8	1009.0	1522.2	1733.8	1448.0	1710.1	7626.8	14879.3	17693.2
77.5°	609.5	645.8	753.2	1114.8	1388.0	1086.4	1061.1	3508.6	7055.2	7089.9
80°	489.5	513.2	571.6	784.8	1064.3	813.2	691.6	1416.4	2229.6	1887.0
82.5°	360.0	399.5	483.2	551.1	761.1	560.6	421.6	715.3	847.9	729.5
85°	205.3	232.1	292.1	394.8	486.3	342.7	241.6	317.4	394.8	323.7
87.5°	72.6	94.7	102.6	154.7	211.6	142.1	93.2	91.6	129.5	96.3
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°
4362.9	0°	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9	4362.9
4410.3	2.5°	4394.5	4386.6	4355.0	4312.4	4268.2	4225.5	4211.3	4181.3	4160.8	4149.7
4512.9	5°	4482.9	4457.6	4383.4	4288.7	4189.2	4081.8	4006.0	3936.6	3886.0	3838.7
4653.4	7.5°	4609.2	4565.0	4437.1	4271.3	4094.5	3916.0	3783.4	3682.3	3614.4	3570.2
4817.7	10°	4756.1	4688.2	4492.4	4244.5	3971.3	3715.5	3559.2	3472.3	3429.7	3406.0
5005.6	12.5°	4925.0	4828.7	4549.2	4182.9	3783.4	3491.3	3383.9	3358.6	3360.2	3361.8
5242.4	15°	5133.5	4999.2	4595.0	4048.7	3538.6	3319.1	3300.2	3341.3	3383.9	3404.4
5510.9	17.5°	5368.7	5179.3	4602.9	3827.6	3298.6	3208.6	3268.6	3357.0	3421.8	3450.2
5810.9	20°	5621.4	5362.4	4546.1	3514.9	3101.2	3118.6	3226.0	3339.7	3410.7	3447.1
6153.5	22.5°	5910.4	5558.2	4410.3	3186.5	2940.2	3020.7	3147.0	3257.6	3331.8	3368.1
6556.2	25°	6240.4	5777.7	4197.1	2910.2	2801.2	2910.2	3036.5	3128.1	3188.1	3221.2
7006.2	27.5°	6606.7	6006.7	3912.9	2690.7	2679.6	2796.5	2900.7	2971.8	3003.3	3028.6
7484.7	30°	6974.6	6215.1	3568.6	2524.9	2573.8	2684.4	2758.6	2790.2	2799.6	2804.4
8018.4	32.5°	7372.6	6395.1	3207.0	2387.5	2472.8	2575.4	2619.6	2633.8	2589.6	2559.6
8665.8	35°	7854.2	6587.8	2853.3	2278.6	2373.3	2461.7	2475.9	2463.3	2411.2	2349.6
9477.4	37.5°	8449.5	6827.8	2570.7	2201.2	2280.1	2338.6	2321.2	2318.0	2322.8	2250.1
10453.3	40°	9179.0	7140.4	2363.8	2141.2	2204.3	2217.0	2168.0	2194.9	2218.6	2108.0
11523.9	42.5°	9989.0	7517.8	2232.8	2100.1	2141.2	2111.2	2035.4	2065.4	2062.2	1917.0
12599.2	45°	10814.9	7928.4	2187.0	2070.1	2082.8	2022.8	1939.1	1947.0	1880.6	1749.6
13630.3	47.5°	11636.0	8368.9	2215.4	2044.9	2010.1	1942.2	1877.5	1842.7	1744.8	1646.9
14618.8	50°	12441.3	8831.6	2319.6	1994.3	1910.6	1871.2	1823.8	1762.2	1658.0	1574.3
15553.6	52.5°	13188.2	9297.4	2436.5	1910.6	1785.9	1809.6	1779.6	1708.5	1605.9	1520.6
16437.8	55°	13895.6	9763.2	2482.3	1795.4	1669.0	1755.9	1738.5	1607.5	1484.3	1414.8
17363.2	57.5°	14666.1	10323.8	2431.7	1648.5	1574.3	1694.3	1628.0	1482.7	1411.7	1359.6
18568.0	60°	15733.6	11203.3	2322.8	1466.9	1484.3	1602.7	1489.0	1429.0	1351.7	1293.2
20374.4	62.5°	17506.8	12843.9	2147.5	1286.9	1378.5	1466.9	1422.7	1362.7	1283.8	1226.9
23463.0	65°	20128.1	15124.1	1817.5	1146.4	1260.1	1334.3	1351.7	1291.7	1209.5	1149.5
26169.5	67.5°	22338.7	16554.7	1375.3	1029.5	1138.5	1226.9	1275.9	1217.4	1130.6	1072.2
26802.7	70°	22217.1	15515.7	1050.1	914.3	1031.1	1121.1	1184.3	1138.5	1045.3	990.1
24345.7	72.5°	19733.3	12979.7	849.5	797.4	922.2	1010.6	1086.4	1051.6	956.9	903.2
17835.3	75°	14497.2	9213.7	679.0	679.0	786.4	895.3	979.0	956.9	870.1	832.2
7487.8	77.5°	6110.9	3865.5	532.1	563.7	653.7	769.0	873.2	881.1	805.3	852.7
1980.1	80°	1624.8	1065.9	405.8	443.7	513.2	634.8	759.5	756.4	674.3	630.0
735.8	82.5°	619.0	420.0	289.0	312.7	371.1	486.3	601.6	620.6	538.5	465.8
289.0	85°	238.4	180.0	178.4	187.9	216.3	322.1	454.8	470.6	405.8	344.2
80.5	87.5°	61.6	53.7	66.3	63.2	99.5	172.1	260.5	270.0	247.9	143.7
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°
4362.9
4162.4
3857.6
3579.7
3412.3
3364.9
3402.8
3456.5
3456.5
3377.6
3230.7
3038.1
2815.4
2569.1
2352.8
2254.9
2111.2
1915.4
1754.3
1646.9
1568.0
1522.2
1408.5
1354.8
1290.1
1226.9
1152.7
1073.7
994.8
903.2
821.1
773.7
585.8
465.8
355.3
205.3
0.0

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