

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: P848175

Luminaire Tested: **GLAN-SB4C-840-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848175  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-840-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19491 lumens  
Efficiency: N/A  
Efficacy: 97.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

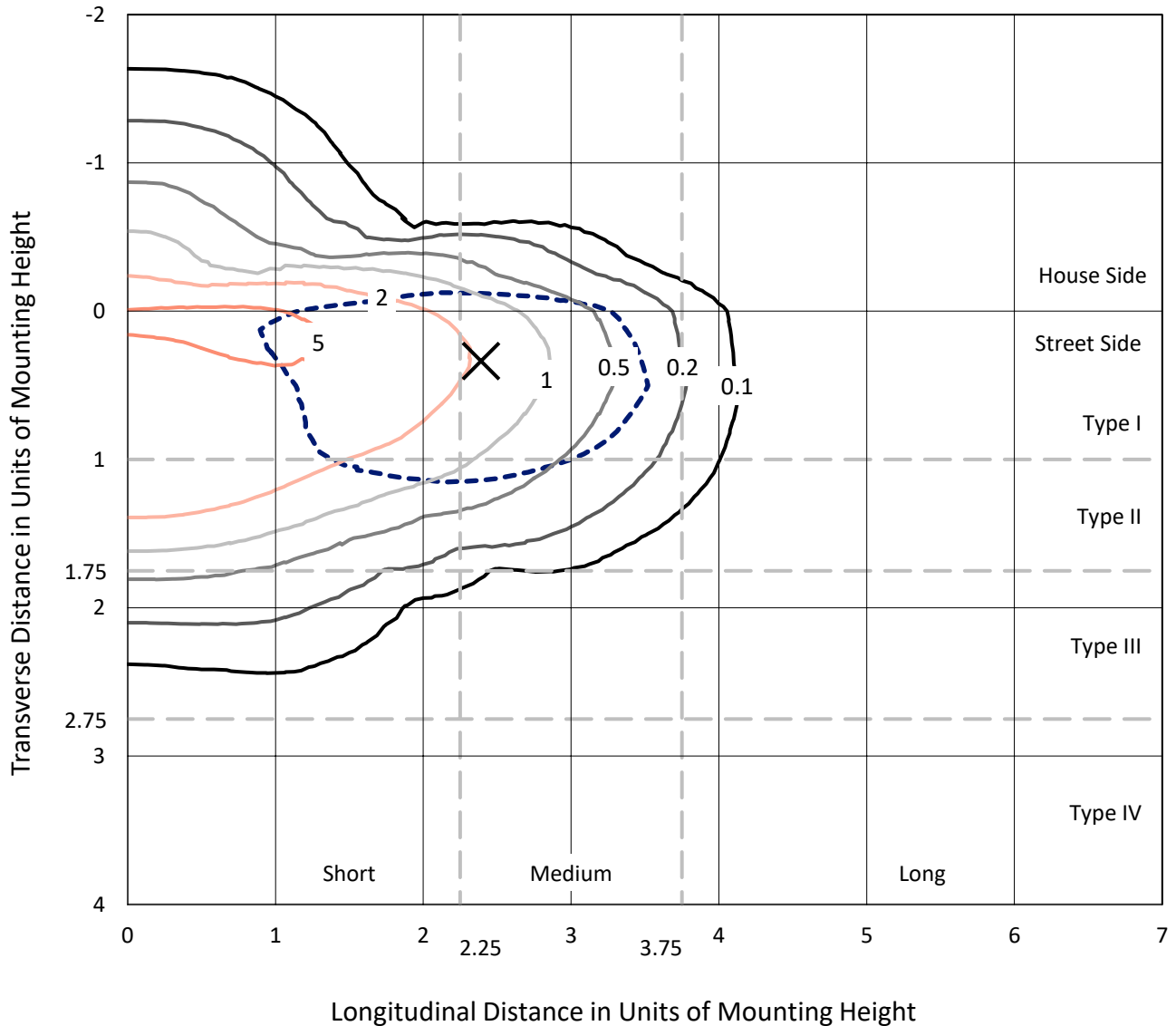
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

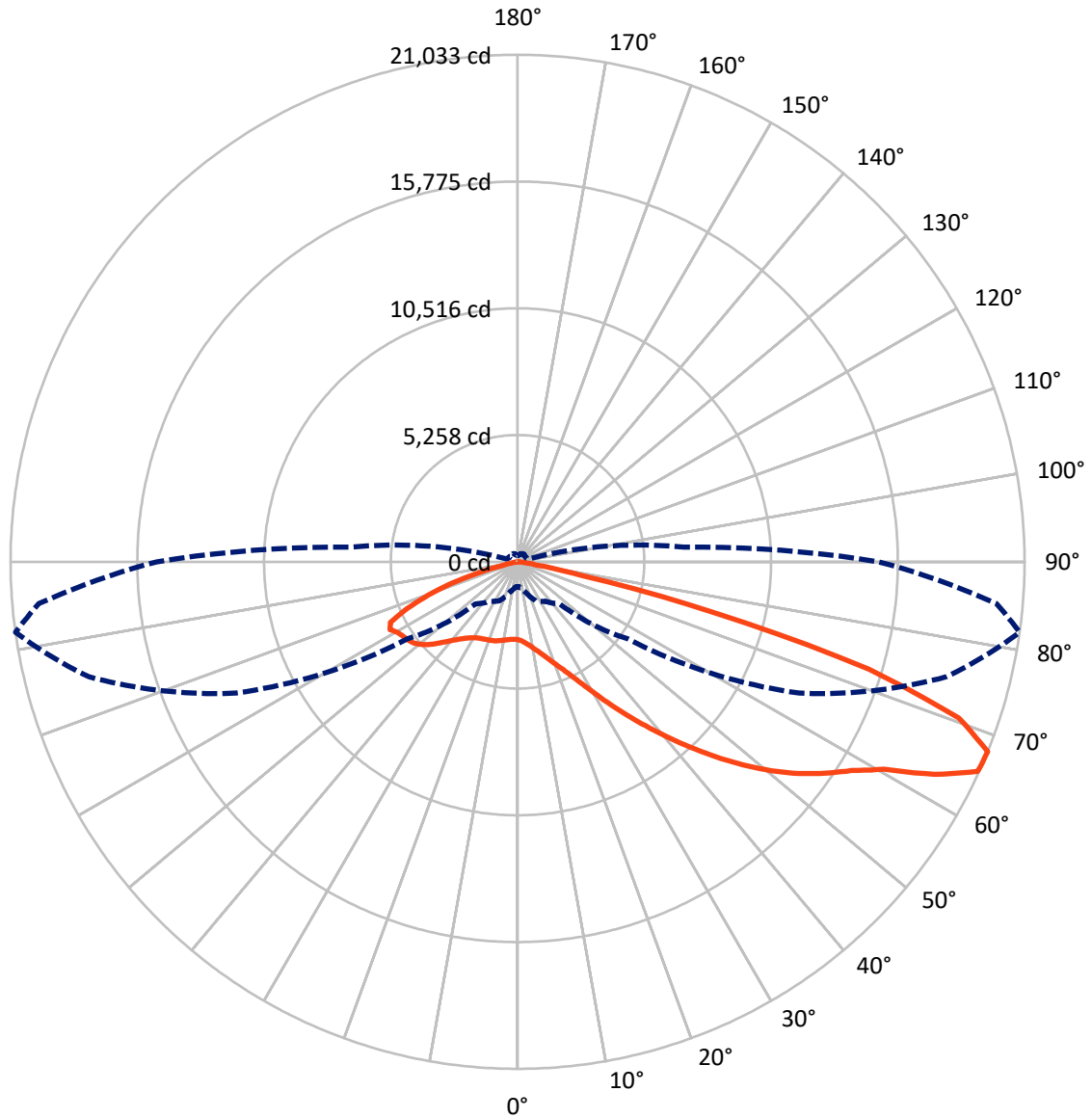
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3530.6	0.0	3530.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15960.4	0.0	15960.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	19491.0	0.0	19491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.7	1.5
10°-20°	747.6	3.8
20°-30°	1197.4	6.1
30°-40°	2117.3	10.9
40°-50°	3709.7	19.0
50°-60°	4947.7	25.4
60°-70°	4606.1	23.6
70°-80°	1767.8	9.1
80°-90°	109.8	0.6
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°	19491.0	100.0
0°-180°	19491.0	100.0

**Coefficient of Utilization**

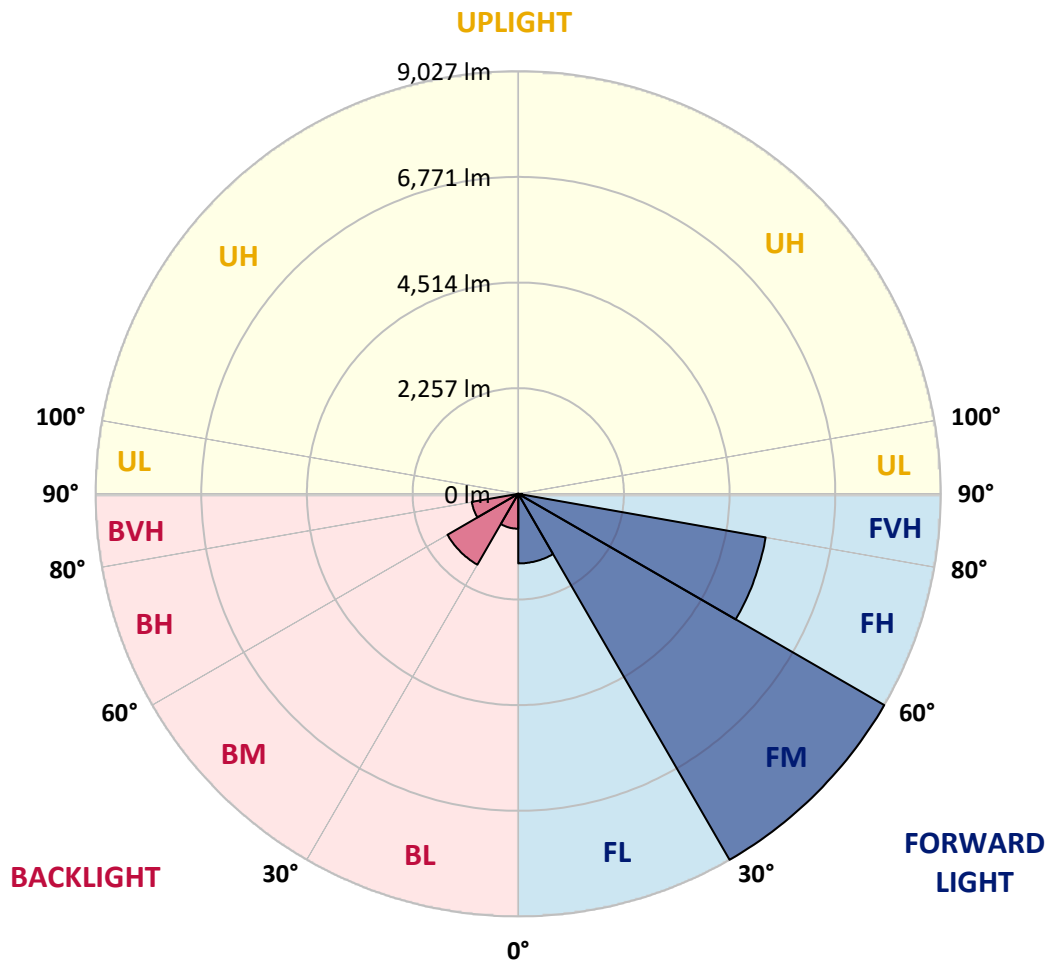


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1486.9	7.6			
FM (30°-60°)	9027.4	46.3			
FH (60°-80°)	5366.2	27.5			G3/7500
FVH (80°-90°)	79.8	0.4			G1/100
BL (0°-30°)	745.7	3.8	B2/1000		
BM (30°-60°)	1747.3	9.0	B2/2500		
BH (60°-80°)	1007.7	5.2	B3/2500		G3/2500
BVH (80°-90°)	30.0	0.2			G1/100
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°	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0
2.5°	3412.8	3432.5	3421.3	3415.6	3405.8	3391.8	3380.6	3345.5	3309.0	3285.1
5°	3481.6	3501.2	3499.8	3505.4	3512.5	3516.7	3513.9	3474.6	3422.7	3382.0
7.5°	3422.7	3445.1	3463.4	3491.4	3540.5	3592.5	3617.7	3609.3	3556.0	3499.8
10°	3255.7	3279.5	3323.0	3389.0	3492.8	3605.1	3699.1	3742.6	3708.9	3647.2
12.5°	2949.7	2973.6	3059.2	3202.3	3376.3	3571.4	3751.0	3867.5	3875.9	3814.2
15°	2605.9	2629.8	2721.0	2900.6	3165.9	3478.8	3779.1	3999.4	4073.8	4020.5
17.5°	2392.6	2413.7	2482.4	2627.0	2903.4	3293.6	3769.3	4139.7	4309.5	4267.4
20°	2328.1	2346.3	2378.6	2479.6	2709.8	3101.3	3704.7	4271.7	4563.5	4539.7
22.5°	2396.8	2413.7	2423.5	2468.4	2612.9	2975.0	3623.3	4406.4	4858.2	4861.0
25°	2555.4	2572.3	2561.0	2589.1	2652.2	2935.7	3592.5	4564.9	5228.7	5259.6
27.5°	2816.4	2817.8	2791.2	2789.8	2799.6	2994.6	3624.7	4734.7	5696.0	5753.5
30°	3339.9	3318.8	3216.4	3105.5	3055.0	3171.5	3714.5	4935.4	6247.5	6349.9
32.5°	4146.8	4115.9	3927.8	3662.6	3396.0	3456.3	3875.9	5164.2	6848.1	7033.4
35°	5022.4	5014.0	4817.5	4423.2	3957.3	3861.9	4138.3	5464.5	7503.5	7798.2
37.5°	5836.3	5832.1	5719.9	5255.4	4688.4	4427.4	4559.3	5857.4	8205.1	8631.7
40°	6580.1	6592.7	6480.5	6065.1	5493.9	5152.9	5131.9	6342.9	8985.3	9539.7
42.5°	7222.8	7236.8	7123.2	6815.8	6289.6	5955.6	5834.9	6937.9	9747.3	10514.9
45°	7659.2	7746.2	7729.4	7483.8	7106.3	6759.7	6679.7	7684.5	10616.0	11549.2
47.5°	7782.7	7862.7	7989.0	8022.7	7792.5	7451.5	7547.0	8584.0	11494.5	12584.8
50°	7478.2	7552.6	7815.0	8164.4	8324.4	8219.1	8390.3	9548.1	12394.0	13617.6
52.5°	6877.6	6953.4	7284.5	7837.4	8490.0	8821.2	9236.5	10498.1	13265.4	14595.7
55°	6008.9	6088.9	6514.1	7140.0	8174.2	9069.5	9942.4	11446.7	14063.9	15475.6
57.5°	4827.4	4886.3	5328.3	6204.0	7380.0	8822.6	10463.0	12482.4	14816.1	16340.1
60°	3146.2	3198.1	3711.7	4688.4	6063.7	7997.4	10566.9	13637.3	15815.2	17464.1
62.5°	2092.3	2127.4	2431.9	3149.0	4270.2	6413.1	9959.2	14559.3	17280.3	19420.3
65°	1435.6	1470.7	1775.2	2274.8	2758.9	4242.2	8212.1	14437.2	18607.8	20973.8
67.5°	1024.4	1053.9	1312.1	1783.6	1996.9	2464.2	5566.9	12876.7	18416.9	21032.7
70°	733.9	750.8	964.1	1389.3	1587.1	1480.5	3095.7	9848.4	16125.3	19421.7
72.5°	513.6	519.2	669.4	1058.1	1278.4	1080.5	1473.5	6566.1	12196.1	15244.1
75°	348.0	355.0	450.5	776.0	1025.8	825.1	780.2	3520.9	7159.6	8438.1
77.5°	213.3	216.1	290.5	530.4	767.6	628.7	502.4	1491.7	2770.1	2719.6
80°	120.7	120.7	185.2	329.8	523.4	405.6	352.2	634.3	877.1	770.4
82.5°	67.4	68.8	134.7	204.9	346.6	240.0	193.7	293.3	378.9	335.4
85°	28.1	30.9	82.8	96.8	165.6	119.3	78.6	123.5	140.3	124.9
87.5°	2.8	4.2	25.3	18.2	19.6	23.9	11.2	23.9	19.6	19.6
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°
3229.0	0°	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0	3229.0
3276.7	2.5°	3250.0	3229.0	3175.7	3113.9	3032.5	2993.2	2939.9	2903.4	2872.6	2875.4
3358.1	5°	3313.2	3259.9	3140.6	2991.8	2806.6	2674.7	2534.4	2437.5	2359.0	2342.1
3470.4	7.5°	3400.2	3316.0	3106.9	2838.9	2525.9	2288.8	2076.9	1940.8	1843.9	1813.1
3606.5	10°	3512.5	3390.4	3063.4	2646.6	2196.2	1894.5	1667.1	1560.5	1494.5	1472.1
3766.5	12.5°	3643.0	3476.0	3005.9	2412.3	1856.6	1566.1	1421.5	1368.2	1347.2	1340.2
3962.9	15°	3807.2	3582.6	2918.9	2134.4	1568.9	1365.4	1303.7	1296.7	1299.5	1296.7
4198.7	17.5°	4002.2	3699.1	2777.1	1848.1	1375.2	1263.0	1240.5	1246.1	1253.1	1251.7
4462.5	20°	4215.5	3814.2	2596.1	1594.2	1243.3	1190.0	1177.4	1183.0	1188.6	1185.8
4767.0	22.5°	4458.3	3937.7	2395.4	1396.3	1154.9	1122.6	1108.6	1110.0	1110.0	1104.4
5152.9	25°	4748.8	4073.8	2184.9	1256.0	1087.6	1062.3	1045.5	1039.8	1031.4	1014.6
5621.6	27.5°	5095.4	4218.3	1982.9	1157.7	1034.2	1010.4	990.7	976.7	955.6	927.6
6184.4	30°	5485.5	4393.7	1811.7	1096.0	992.1	968.3	945.8	924.8	893.9	858.8
6831.3	32.5°	5944.4	4581.8	1686.8	1055.3	954.2	929.0	902.3	877.1	843.4	808.3
7558.2	35°	6491.7	4809.1	1613.8	1027.2	924.8	891.1	861.6	833.6	808.3	777.4
8348.2	37.5°	7085.3	5050.5	1591.3	1013.2	905.1	853.2	819.5	799.9	797.1	778.8
9202.9	40°	7735.0	5336.8	1608.2	1004.8	884.1	816.7	780.2	776.0	783.0	750.8
10116.4	42.5°	8422.6	5676.4	1636.3	994.9	854.6	780.2	745.2	745.2	739.5	694.6
11081.9	45°	9166.4	6067.9	1664.3	971.1	819.5	743.8	717.1	707.3	683.4	639.9
12053.0	47.5°	9915.7	6466.4	1685.4	927.6	777.4	712.9	689.0	666.6	631.5	592.2
13005.8	50°	10627.2	6824.3	1662.9	863.0	729.7	683.4	658.1	627.3	589.4	562.7
13908.1	52.5°	11262.9	7134.4	1567.5	787.3	679.2	652.5	630.1	597.8	566.9	538.9
14722.0	55°	11815.8	7385.6	1399.1	715.7	634.3	625.9	603.4	562.7	520.6	496.8
15528.9	57.5°	12346.3	7576.4	1188.6	656.7	593.6	596.4	562.7	526.2	486.9	461.7
16616.5	60°	13052.1	7831.8	975.3	602.0	550.1	558.5	522.0	495.4	446.3	414.0
18481.5	62.5°	14180.4	8229.0	774.6	534.7	499.6	502.4	486.9	454.7	395.7	357.8
19863.7	65°	15075.7	8083.0	610.4	461.7	442.0	446.3	446.3	411.2	348.0	304.5
19938.1	67.5°	14974.6	6921.1	486.9	390.1	387.3	390.1	399.9	370.5	308.7	273.6
18419.7	70°	13794.5	5505.2	390.1	324.2	336.8	329.8	357.8	338.2	277.9	242.8
14280.0	72.5°	11255.9	3965.7	297.5	268.0	258.2	269.4	322.8	304.5	231.5	192.3
7563.8	75°	6577.3	2116.2	221.7	211.9	186.6	224.5	286.3	259.6	176.8	141.7
2318.3	77.5°	2141.4	738.1	162.8	155.8	138.9	181.0	244.2	218.9	144.5	112.3
679.2	80°	574.0	223.1	110.9	102.4	89.8	134.7	193.7	174.0	103.8	73.0
291.9	82.5°	230.1	94.0	64.6	57.5	49.1	92.6	153.0	140.3	77.2	46.3
91.2	85°	74.4	30.9	23.9	18.2	22.5	57.5	91.2	95.4	54.7	23.9
14.0	87.5°	9.8	4.2	4.2	5.6	4.2	9.8	28.1	26.7	15.4	2.8
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°
3229.0
2847.3
2304.2
1782.2
1455.2
1335.9
1295.2
1248.9
1184.4
1101.6
1011.8
924.8
856.0
809.7
774.6
777.4
752.2
694.6
638.5
590.8
558.5
536.1
494.0
458.9
409.8
355.0
300.3
268.0
238.6
188.0
137.5
108.1
71.6
46.3
18.2
0.0
0.0

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