

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: P848096

Luminaire Tested: **GLAN-SB4C-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848096  
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-SB4C-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28728 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

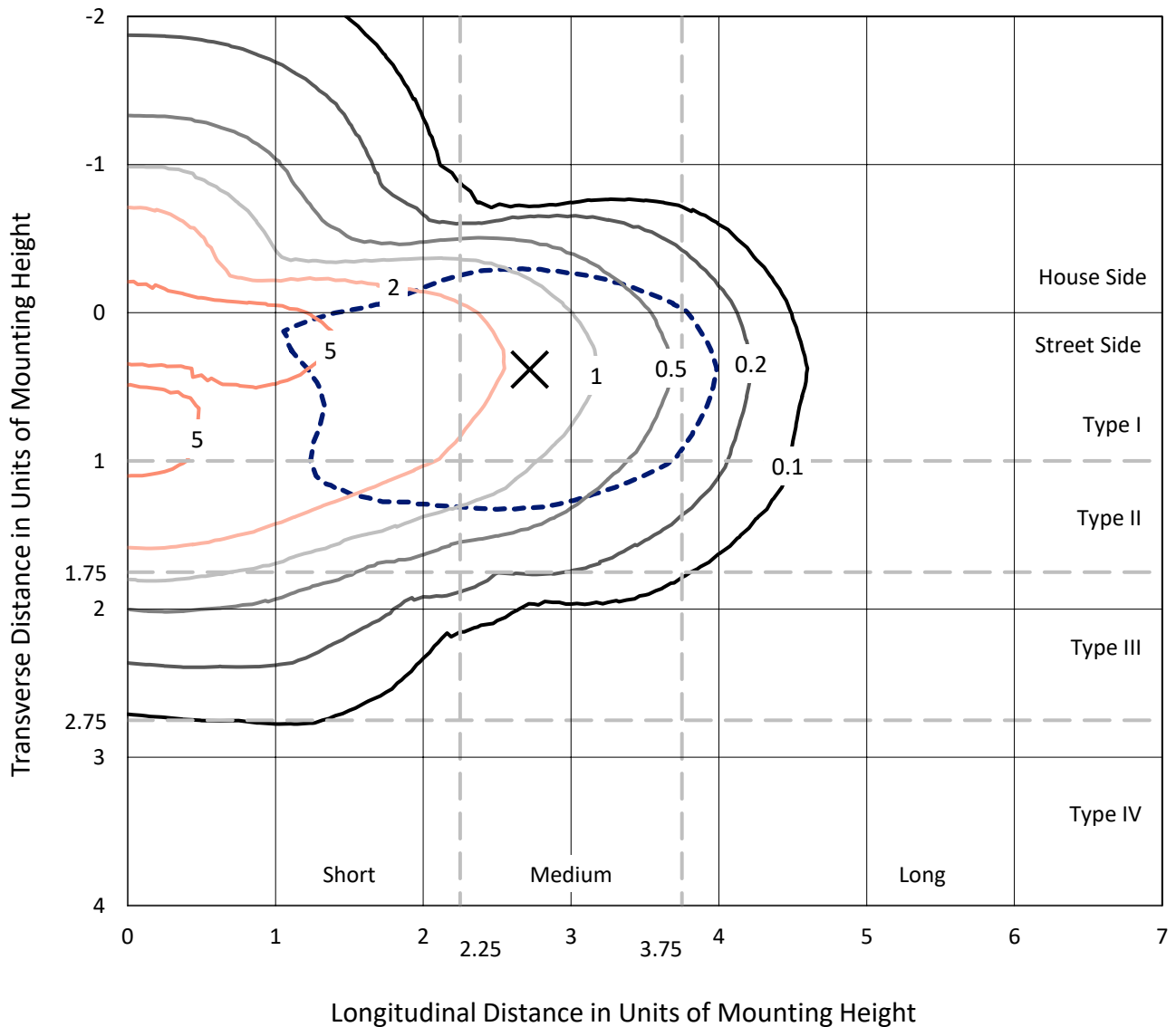
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

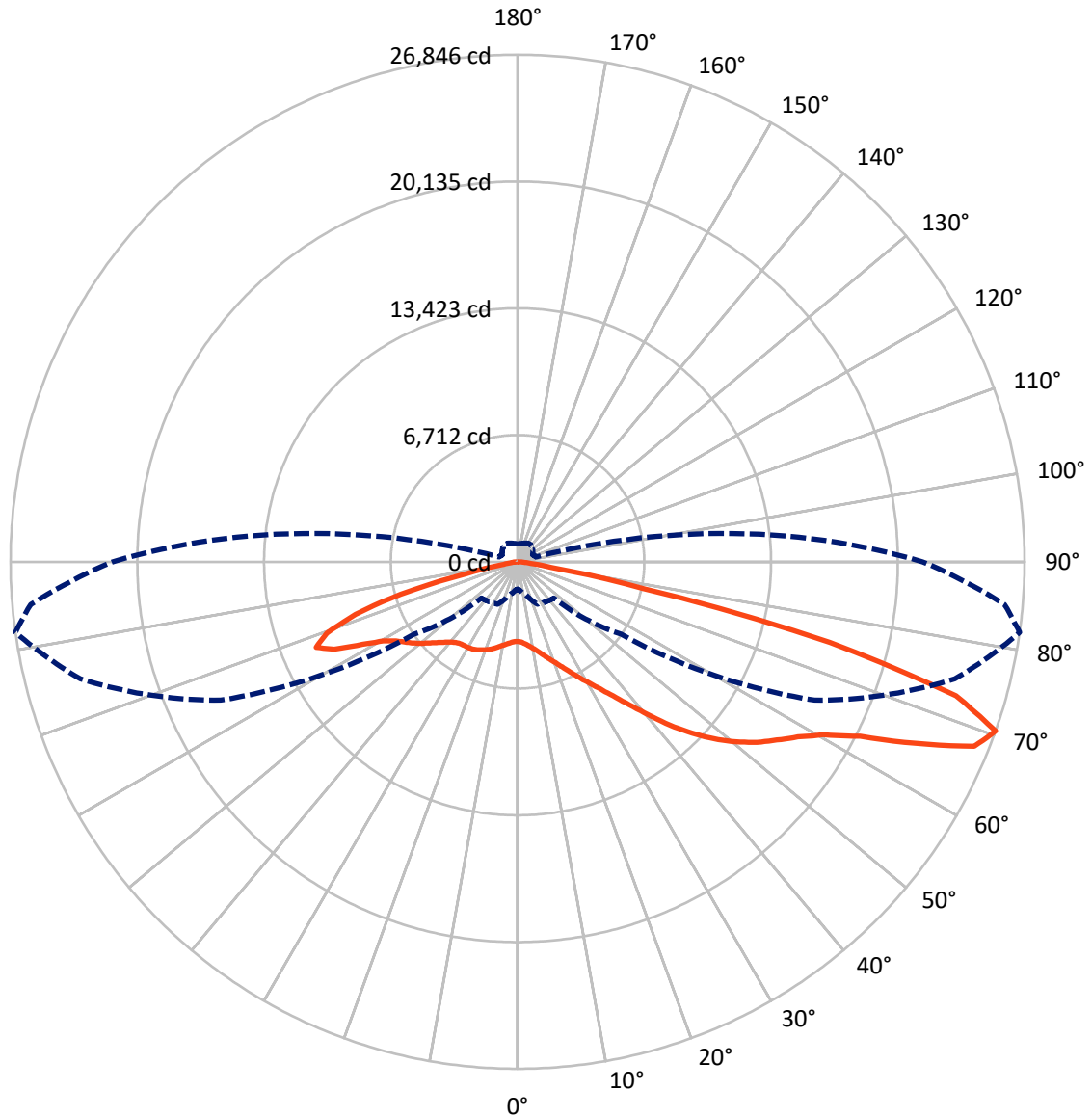
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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
<b>House Side</b>	Lumens	7082.2	0.0	7082.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	21645.9	0.0	21645.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	28728.0	0.0	28728.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.7	1.4
10°-20°	1142.5	4.0
20°-30°	1911.4	6.7
30°-40°	2986.1	10.4
40°-50°	4755.6	16.6
50°-60°	6618.0	23.0
60°-70°	6922.8	24.1
70°-80°	3618.2	12.6
80°-90°	375.7	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°	28728.0	100.0
0°-180°	28728.0	100.0

**Coefficient of Utilization**

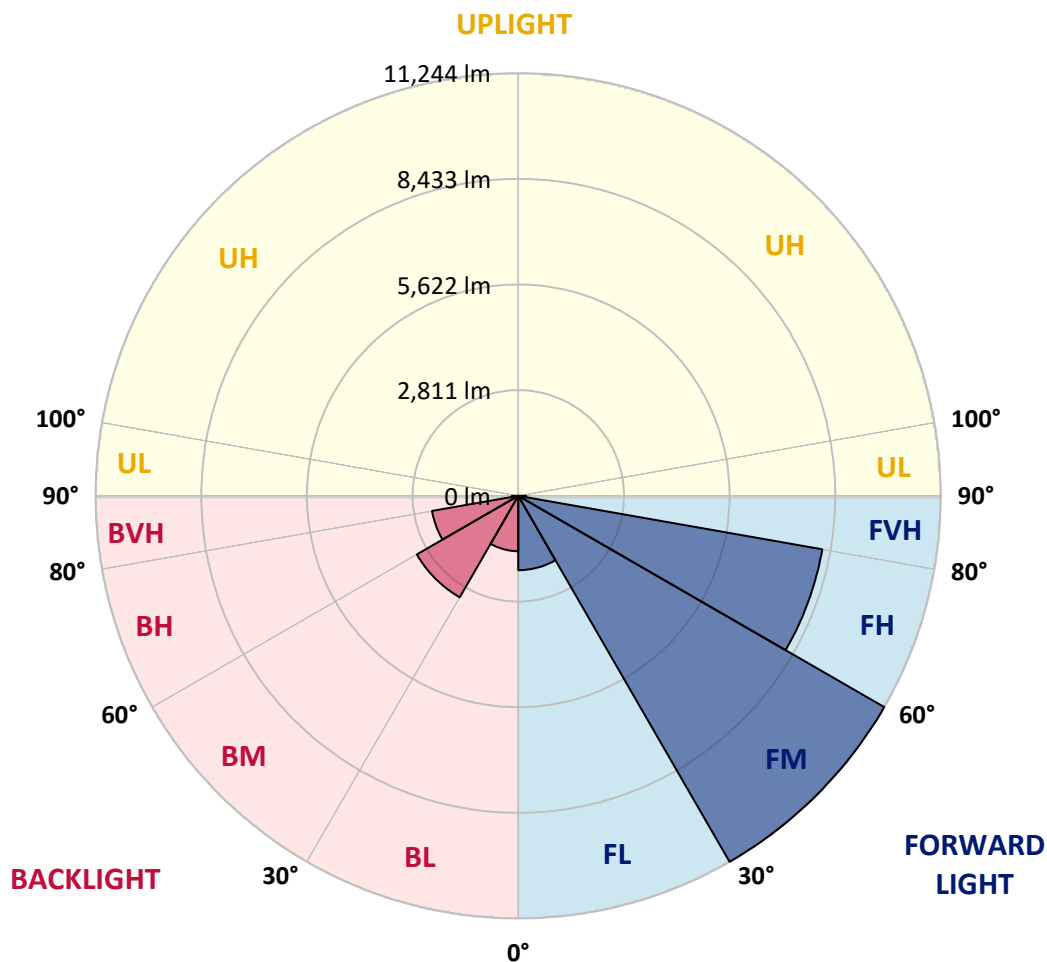


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1978.2	6.9			
FM (30°-60°)	11243.9	39.1			
FH (60°-80°)	8213.4	28.6			G4/12000
FVH (80°-90°)	210.3	0.7			G2/225
BL (0°-30°)	1473.3	5.1	B3/2500		
BM (30°-60°)	3115.9	10.8	B3/5000		
BH (60°-80°)	2327.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	165.4	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°	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9
2.5°	4312.5	4336.9	4329.3	4321.6	4321.6	4311.0	4309.4	4294.2	4282.0	4262.2
5°	4367.4	4393.3	4390.2	4396.3	4416.2	4420.7	4425.3	4416.2	4391.8	4367.4
7.5°	4318.6	4347.6	4356.7	4393.3	4454.3	4509.1	4550.3	4567.1	4544.2	4509.1
10°	4154.0	4186.0	4218.0	4304.9	4413.1	4542.7	4652.4	4718.0	4713.4	4679.9
12.5°	3820.1	3853.7	3922.3	4091.5	4289.6	4518.3	4722.6	4859.7	4907.0	4882.6
15°	3553.3	3582.3	3634.1	3807.9	4065.5	4413.1	4748.5	5015.2	5135.7	5121.9
17.5°	3545.7	3557.9	3589.9	3672.3	3870.4	4248.5	4721.0	5167.7	5397.9	5396.3
20°	3679.9	3684.4	3702.7	3719.5	3832.3	4123.5	4650.9	5294.2	5692.1	5692.1
22.5°	3865.8	3862.8	3881.1	3865.8	3920.7	4112.8	4606.7	5405.5	6019.8	6044.2
25°	4144.8	4129.6	4125.0	4089.9	4100.6	4211.9	4655.5	5532.0	6408.5	6458.8
27.5°	4516.8	4492.4	4475.6	4394.8	4367.4	4416.2	4804.9	5684.4	6841.5	6928.3
30°	5001.5	4957.3	4932.9	4792.7	4693.6	4701.2	5030.5	5887.2	7294.2	7434.4
32.5°	5663.1	5594.5	5529.0	5298.8	5117.4	5057.9	5321.6	6167.7	7785.0	8009.1
35°	6404.0	6349.1	6279.0	5923.8	5644.8	5507.6	5714.9	6559.4	8359.7	8714.9
37.5°	7117.4	7070.1	7103.6	6625.0	6265.2	6065.5	6230.2	7085.4	9068.6	9593.0
40°	7855.2	7818.6	7823.2	7365.8	6946.6	6722.6	6855.2	7745.4	9881.1	10637.2
42.5°	8657.0	8629.6	8538.1	8132.6	7661.6	7452.7	7574.7	8507.6	10753.0	11826.2
45°	9554.9	9538.1	9452.7	8987.8	8448.2	8213.4	8378.0	9349.1	11629.6	12945.1
47.5°	10330.8	10344.5	10333.8	9942.1	9382.6	9038.1	9234.7	10227.1	12445.1	13996.9
50°	10704.3	10775.9	10881.1	10759.1	10411.6	10061.0	10099.1	11074.7	13222.5	14983.2
52.5°	10509.1	10644.8	10931.4	11126.5	11260.7	11187.5	11085.3	11916.1	13954.2	15873.5
55°	9782.0	9972.5	10448.2	10919.2	11603.6	12135.7	12269.8	12849.1	14667.7	16657.0
57.5°	8457.3	8766.8	9193.6	10146.3	11298.8	12594.5	13650.9	14143.3	15423.8	17493.9
60°	6186.0	6600.6	7131.1	8548.8	10231.7	12349.1	14826.2	16131.1	16498.5	18577.7
62.5°	3958.8	4214.9	4702.7	6038.1	7972.5	11091.4	15186.0	18615.8	18320.1	20355.2
65°	2710.4	2875.0	3321.6	4071.6	5154.0	8256.1	14222.5	20478.6	21213.4	23172.2
67.5°	1969.5	2094.5	2475.6	3132.6	3358.2	4885.7	11036.6	20393.3	24025.9	26074.7
70°	1436.0	1524.4	1844.5	2475.6	2583.8	2718.0	6686.0	17335.3	23964.9	26846.0
72.5°	1064.0	1125.0	1339.9	1920.7	2091.5	1835.4	3309.4	12599.1	20593.0	24282.0
75°	769.8	815.5	974.1	1469.5	1673.8	1397.9	1650.9	7362.8	14364.3	17080.8
77.5°	588.4	623.5	727.1	1076.2	1339.9	1048.8	1024.4	3387.2	6811.0	6844.5
80°	472.6	495.4	551.8	757.6	1027.4	785.1	667.7	1367.4	2152.4	1821.6
82.5°	347.6	385.7	466.5	532.0	734.8	541.2	407.0	690.5	818.6	704.3
85°	198.2	224.1	282.0	381.1	469.5	330.8	233.2	306.4	381.1	312.5
87.5°	70.1	91.5	99.1	149.4	204.3	137.2	89.9	88.4	125.0	93.0
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°
4211.9	0°	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9	4211.9
4257.6	2.5°	4242.4	4234.7	4204.3	4163.1	4120.4	4079.3	4065.5	4036.6	4016.8	4006.1
4356.7	5°	4327.7	4303.3	4231.7	4140.2	4044.2	3940.5	3867.4	3800.3	3751.5	3705.8
4492.4	7.5°	4449.7	4407.0	4283.5	4123.5	3952.7	3780.5	3652.4	3554.9	3489.3	3446.6
4650.9	10°	4591.5	4525.9	4336.9	4097.6	3833.8	3586.9	3436.0	3352.1	3311.0	3288.1
4832.3	12.5°	4754.6	4661.6	4391.8	4038.1	3652.4	3370.4	3266.8	3242.4	3243.9	3245.4
5061.0	15°	4955.8	4826.2	4436.0	3908.5	3416.2	3204.3	3186.0	3225.6	3266.8	3286.6
5320.1	17.5°	5182.9	5000.0	4443.6	3695.1	3184.4	3097.6	3155.5	3240.8	3303.3	3330.8
5609.7	20°	5426.8	5176.8	4388.7	3393.3	2993.9	3010.7	3114.3	3224.1	3292.7	3327.7
5940.5	22.5°	5705.8	5365.8	4257.6	3076.2	2838.4	2916.2	3038.1	3144.8	3216.5	3251.5
6329.3	25°	6024.4	5577.7	4051.8	2809.4	2704.3	2809.4	2931.4	3019.8	3077.7	3109.8
6763.7	27.5°	6378.0	5798.8	3777.4	2597.6	2586.9	2699.7	2800.3	2868.9	2899.4	2923.8
7225.6	30°	6733.2	6000.0	3445.1	2437.5	2484.8	2591.5	2663.1	2693.6	2702.7	2707.3
7740.8	32.5°	7117.4	6173.8	3096.0	2304.9	2387.2	2486.3	2529.0	2542.7	2500.0	2471.0
8365.8	35°	7582.3	6359.7	2754.6	2199.7	2291.2	2376.5	2390.2	2378.0	2327.7	2268.3
9149.4	37.5°	8157.0	6591.5	2481.7	2125.0	2201.2	2257.6	2240.9	2237.8	2242.4	2172.3
10091.4	40°	8861.3	6893.3	2282.0	2067.1	2128.0	2140.2	2093.0	2118.9	2141.8	2035.1
11125.0	42.5°	9643.3	7257.6	2155.5	2027.4	2067.1	2038.1	1964.9	1993.9	1990.9	1850.6
12163.1	45°	10440.5	7654.0	2111.3	1998.5	2010.7	1952.7	1871.9	1879.6	1815.5	1689.0
13158.5	47.5°	11233.2	8079.3	2138.7	1974.1	1940.5	1875.0	1812.5	1779.0	1684.4	1589.9
14112.8	50°	12010.7	8525.9	2239.3	1925.3	1844.5	1806.4	1760.7	1701.2	1600.6	1519.8
15015.2	52.5°	12731.7	8975.6	2352.1	1844.5	1724.1	1746.9	1718.0	1649.4	1550.3	1468.0
15868.9	55°	13414.6	9425.3	2396.3	1733.2	1611.3	1695.1	1678.4	1551.8	1432.9	1365.9
16762.2	57.5°	14158.5	9966.4	2347.6	1591.5	1519.8	1635.7	1571.6	1431.4	1362.8	1312.5
17925.3	60°	15189.0	10815.5	2242.4	1416.2	1432.9	1547.3	1437.5	1379.6	1304.9	1248.5
19669.2	62.5°	16900.9	12399.4	2073.2	1242.4	1330.8	1416.2	1373.5	1315.5	1239.3	1184.4
22650.9	65°	19431.4	14600.6	1754.6	1106.7	1216.5	1288.1	1304.9	1246.9	1167.7	1109.8
25263.7	67.5°	21565.5	15981.7	1327.7	993.9	1099.1	1184.4	1231.7	1175.3	1091.5	1035.1
25875.0	70°	21448.1	14978.6	1013.7	882.6	995.4	1082.3	1143.3	1099.1	1009.1	955.8
23503.0	72.5°	19050.3	12530.5	820.1	769.8	890.2	975.6	1048.8	1015.2	923.8	871.9
17218.0	75°	13995.4	8894.8	655.5	655.5	759.1	864.3	945.1	923.8	839.9	803.4
7228.6	77.5°	5899.4	3731.7	513.7	544.2	631.1	742.4	843.0	850.6	777.4	823.2
1911.6	80°	1568.6	1029.0	391.8	428.4	495.4	612.8	733.2	730.2	650.9	608.2
710.4	82.5°	597.6	405.5	279.0	301.8	358.2	469.5	580.8	599.1	519.8	449.7
279.0	85°	230.2	173.8	172.3	181.4	208.8	311.0	439.0	454.3	391.8	332.3
77.7	87.5°	59.5	51.8	64.0	61.0	96.0	166.2	251.5	260.7	239.3	138.7
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°
4211.9
4018.3
3724.1
3455.8
3294.2
3248.5
3285.1
3336.9
3336.9
3260.7
3118.9
2932.9
2718.0
2480.2
2271.3
2176.8
2038.1
1849.1
1693.6
1589.9
1513.7
1469.5
1359.8
1307.9
1245.4
1184.4
1112.8
1036.6
960.4
871.9
792.7
747.0
565.5
449.7
343.0
198.2
0.0

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