

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: P636909

Luminaire Tested: **IFLD-L-SA8C-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636909  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (128) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23898.4 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G3

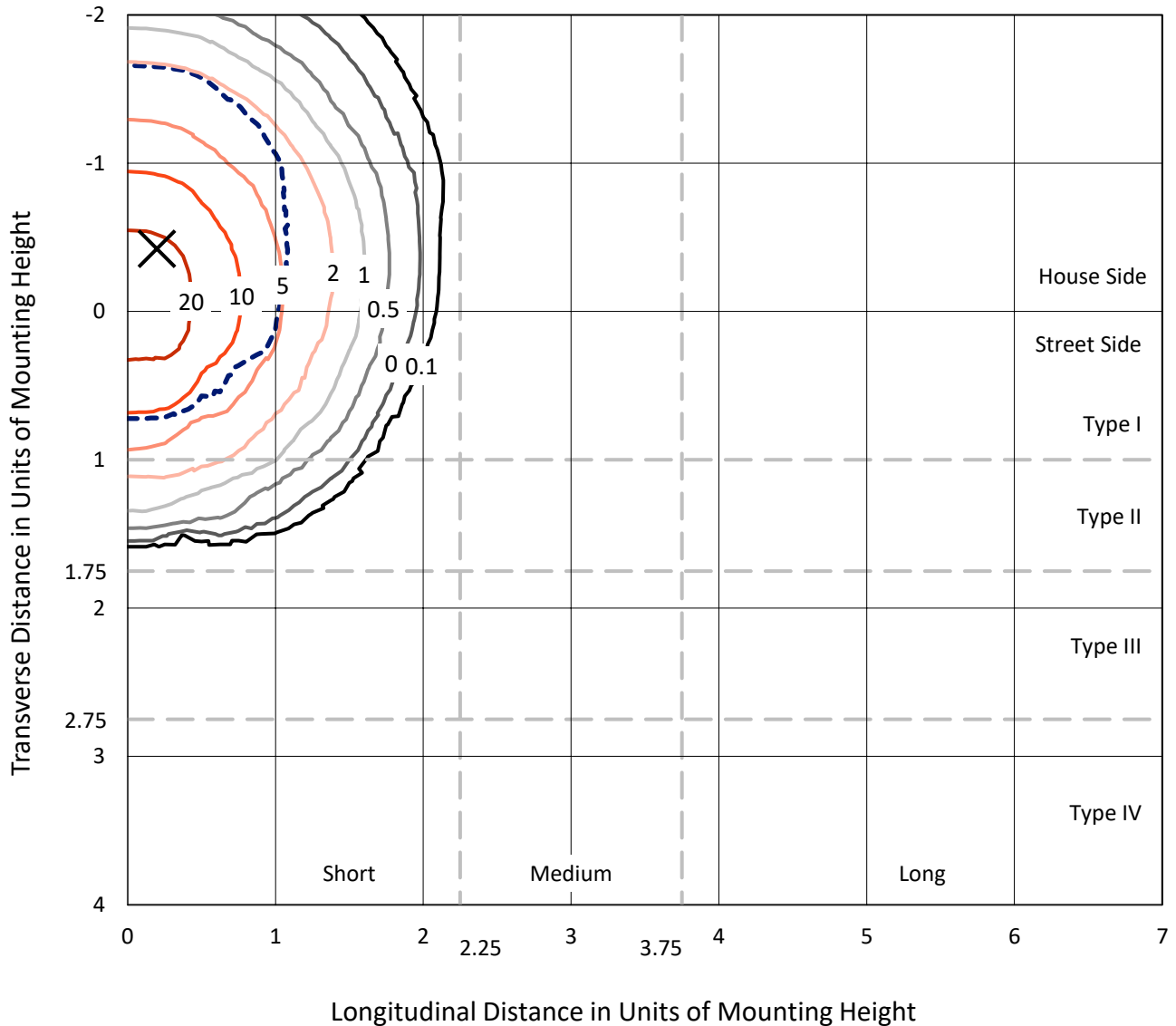
Input Watts (W): 420.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

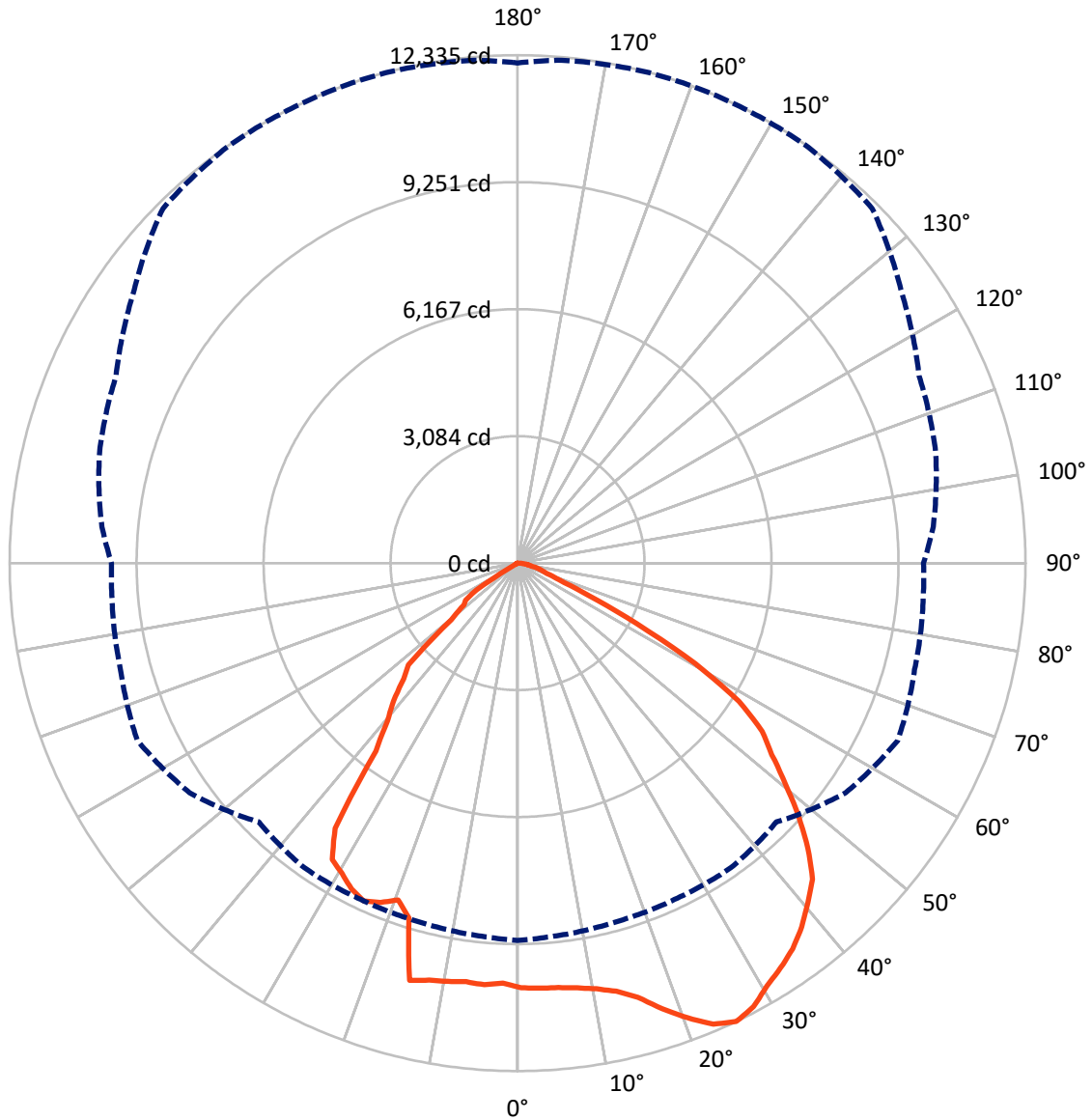
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 25.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14795.5	0.0	14795.5
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	9102.8	0.0	9102.8
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	23898.4	0.0	23898.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	989.3	4.1
10°-20°	3020.7	12.6
20°-30°	4775.6	20.0
30°-40°	5394.4	22.6
40°-50°	5052.0	21.1
50°-60°	3483.0	14.6
60°-70°	935.8	3.9
70°-80°	195.0	0.8
80°-90°	52.7	0.2
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°	23898.4	100.0
0°-180°	23898.4	100.0



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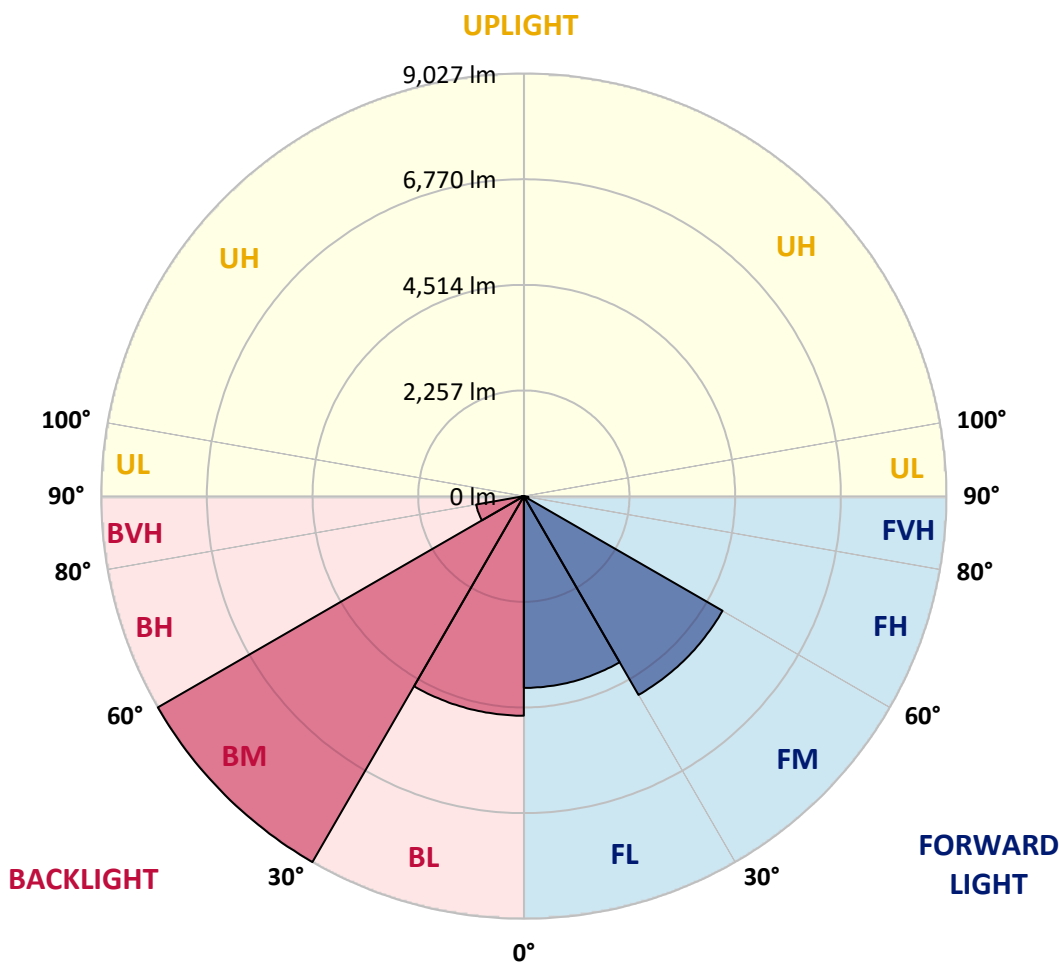
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4095.4	17.1			
FM (30°-60°)	4902.1	20.5			
FH (60°-80°)	98.2	0.4			G0/660
FVH (80°-90°)	7.1	0.0			G0/10
BL (0°-30°)	4690.1	19.6	B4/5000		
BM (30°-60°)	9027.2	37.8	B5		
BH (60°-80°)	1032.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	45.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7
2.5°	10357.4	10290.6	10227.4	10206.4	10294.2	10389.0	10329.3	10332.8	10311.7	10350.4
5°	10434.6	10343.3	10301.2	10269.6	10283.6	10382.0	10297.7	10329.3	10294.2	10339.8
7.5°	10406.5	10343.3	10301.2	10241.5	10287.1	10403.0	10322.3	10325.8	10308.2	10350.4
10°	10389.0	10343.3	10290.6	10297.7	10350.4	10448.7	10385.5	10420.6	10396.0	10420.6
12.5°	10431.1	10382.0	10353.9	10353.9	10399.5	10511.9	10480.3	10511.9	10501.4	10522.5
15°	10034.3	10079.9	10346.8	10466.3	10557.6	10670.0	10655.9	10687.5	10694.5	10726.2
17.5°	8464.3	8418.7	8397.6	9012.2	10645.4	10993.1	10982.5	10979.0	10943.9	10919.3
20°	8671.5	8654.0	8629.4	8675.1	8857.7	11161.7	11231.9	10799.9	10673.5	10662.9
22.5°	9001.7	8973.6	8882.3	8885.8	8942.0	9704.1	10884.2	10490.8	10448.7	10424.1
25°	9163.2	9107.0	9033.3	9012.2	9029.8	8889.3	9721.7	10188.8	9981.6	9886.7
27.5°	8878.8	8882.3	8822.6	8878.8	8812.0	8179.8	7825.1	9598.8	9591.7	9549.6
30°	8664.5	8654.0	8583.7	8654.0	8193.9	7487.9	7336.9	8952.5	8878.8	8822.6
32.5°	8007.7	8014.8	8218.5	8492.4	7737.3	7178.9	6722.3	7997.2	8696.1	8664.5
35°	5728.3	5742.4	6465.9	7818.1	7045.4	6564.2	6529.1	6911.9	8408.1	8422.2
37.5°	5514.1	5514.1	5496.5	5717.8	6501.0	6314.9	6385.1	6346.5	7702.2	7737.3
40°	5359.6	5328.0	5303.4	4955.7	4520.2	6139.3	6188.4	6012.8	7280.7	7287.7
42.5°	5173.4	5138.3	5145.3	4502.6	4046.0	5703.8	5566.8	5331.5	6578.3	6585.3
45°	4832.7	4892.4	4934.6	3940.7	3905.5	4074.1	5134.8	4987.3	6104.1	6234.1
47.5°	2458.5	2511.2	3852.8	3624.6	3705.3	3621.0	4337.5	4341.0	5078.6	5510.6
50°	2230.2	2216.2	2219.7	2114.3	3420.9	2929.1	3136.4	3979.3	4067.1	4685.2
52.5°	2079.2	2075.7	1861.4	1654.2	2149.4	2577.9	2275.9	2880.0	3024.0	3968.7
55°	1538.3	1650.7	1468.1	1555.9	1345.2	2065.2	2054.6	2599.0	2648.2	3182.0
57.5°	14.0	17.6	42.1	1183.6	930.7	1032.6	1418.9	1773.6	1861.4	2479.6
60°	3.5	7.0	17.6	35.1	604.1	635.7	948.3	1025.6	1155.5	1478.6
62.5°	0.0	0.0	7.0	17.6	31.6	259.9	302.0	330.1	509.3	755.1
65°	0.0	0.0	3.5	10.5	17.6	42.1	73.8	154.5	221.3	273.9
67.5°	0.0	0.0	3.5	7.0	14.0	21.1	42.1	59.7	94.8	161.6
70°	0.0	0.0	3.5	7.0	10.5	17.6	28.1	42.1	56.2	80.8
72.5°	0.0	0.0	3.5	7.0	7.0	21.1	21.1	31.6	42.1	52.7
75°	0.0	0.0	3.5	3.5	7.0	14.0	21.1	24.6	28.1	42.1
77.5°	0.0	0.0	3.5	7.0	10.5	14.0	17.6	28.1	24.6	24.6
80°	0.0	0.0	3.5	10.5	10.5	17.6	21.1	28.1	17.6	17.6
82.5°	0.0	0.0	3.5	14.0	10.5	35.1	35.1	38.6	14.0	14.0
85°	0.0	0.0	10.5	7.0	21.1	35.1	31.6	21.1	17.6	10.5
87.5°	0.0	0.0	3.5	3.5	7.0	10.5	24.6	21.1	7.0	7.0
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
10311.7	0°	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7	10311.7
10248.5	2.5°	10389.0	10343.3	10438.2	10427.6	10382.0	10360.9	10336.3	10315.2	10160.7
10255.5	5°	10392.5	10322.3	10438.2	10417.1	10410.1	10374.9	10353.9	10385.5	10245.0
10283.6	7.5°	10392.5	10322.3	10448.7	10455.7	10445.2	10417.1	10413.6	10434.6	10318.7
10332.8	10°	10462.7	10434.6	10540.0	10550.5	10536.5	10529.5	10511.9	10497.9	10374.9
10501.4	12.5°	10610.3	10554.1	10673.5	10705.1	10694.5	10712.1	10670.0	10691.0	10564.6
10673.5	15°	10789.4	10792.9	10884.2	10954.4	10947.4	11003.6	10940.4	10996.6	10905.3
10870.2	17.5°	11063.3	11102.0	11231.9	11337.3	11375.9	11418.1	11375.9	11393.5	11263.5
10652.4	20°	10775.3	10919.3	11544.5	11737.7	11818.4	11857.1	11786.8	11807.9	11678.0
10385.5	22.5°	10515.4	10701.6	11256.5	11860.6	12110.0	12187.2	12162.6	12159.1	12110.0
9858.7	25°	10132.6	10508.4	10757.8	11397.0	12180.2	12320.7	12334.7	12331.2	12257.5
9535.5	27.5°	9662.0	9746.3	10392.5	10782.4	11688.5	12222.3	12201.3	12099.4	12001.1
8864.7	30°	9061.4	9444.2	9735.7	10357.4	11052.8	11920.3	11920.3	11843.0	11741.2
8625.9	32.5°	8755.8	9251.0	9521.5	9746.3	10339.8	11583.1	11723.6	11642.8	11562.1
8439.7	35°	8594.3	8668.0	9300.2	9503.9	10006.2	10933.4	11502.3	11421.6	11361.9
7944.5	37.5°	8239.5	8411.6	8706.7	9251.0	9405.6	10403.0	11207.3	11165.2	11094.9
7301.8	40°	7449.3	7909.4	8362.5	8878.8	9040.3	9721.7	10849.1	10866.6	10771.8
6616.9	42.5°	6982.2	7294.8	8004.2	8351.9	8787.4	9282.7	10501.4	10529.5	10462.7
6269.2	45°	6434.3	6782.0	7280.7	7912.9	8506.5	8678.6	9886.7	10181.8	10125.6
5577.3	47.5°	5932.0	6213.0	6824.1	7463.4	8120.1	8095.5	9180.8	9735.7	9658.5
5047.0	50°	5219.1	5710.8	5998.8	6585.3	7565.2	7631.9	8429.2	9212.4	9149.2
4288.4	52.5°	4400.7	5018.9	5570.3	6107.7	7003.3	7161.3	7730.3	8678.6	8636.4
3276.9	55°	3845.8	4295.4	4917.0	5349.0	6321.9	6743.4	7207.0	8169.3	8148.2
2693.8	57.5°	2736.0	3603.5	4116.3	4720.4	5233.1	5995.3	6339.5	7133.2	6936.5
1492.7	60°	1854.4	2261.8	2887.0	3536.8	3880.9	4643.1	4962.7	5598.4	5545.7
892.1	62.5°	979.9	1355.7	1801.7	2128.4	2377.7	3118.8	3252.3	3937.1	3919.6
358.2	65°	432.0	572.5	976.4	1145.0	1401.4	1745.5	1861.4	2107.3	2047.6
175.6	67.5°	224.8	340.7	551.4	677.8	853.5	983.4	1078.2	1155.5	1204.7
115.9	70°	137.0	249.4	340.7	470.6	586.5	691.9	765.7	871.0	934.2
59.7	72.5°	101.9	158.0	235.3	361.8	425.0	547.9	621.7	698.9	755.1
49.2	75°	56.2	105.4	189.7	284.5	340.7	446.0	512.8	565.5	583.0
28.1	77.5°	35.1	80.8	158.0	221.3	266.9	361.8	344.2	393.4	435.5
21.1	80°	24.6	59.7	122.9	182.6	186.1	231.8	273.9	316.1	344.2
14.0	82.5°	17.6	49.2	91.3	140.5	122.9	179.1	214.2	245.9	179.1
10.5	85°	14.0	35.1	45.7	84.3	70.2	126.4	108.9	105.4	70.2
7.0	87.5°	10.5	17.6	31.6	38.6	28.1	28.1	35.1	42.1	35.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
10311.7  
10055.3  
10125.6  
10185.3  
10273.1  
10452.2  
10754.3  
11151.1  
11586.6  
11951.9  
*12145.1*  
11923.8  
11702.5  
11495.3  
11277.6  
11024.7  
10750.7  
10455.7  
10132.6  
9714.7  
9159.7  
8664.5  
8172.8  
6915.5  
5549.2  
3923.1  
2023.0  
1204.7  
937.7  
765.7  
572.5  
442.5  
347.7  
130.0  
70.2  
35.1  
0.0

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