

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: P637095

Luminaire Tested: **IFLD-S-SA6A-735-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637095  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-735-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26473.3 lumens  
Efficiency: N/A  
Efficacy: 139.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

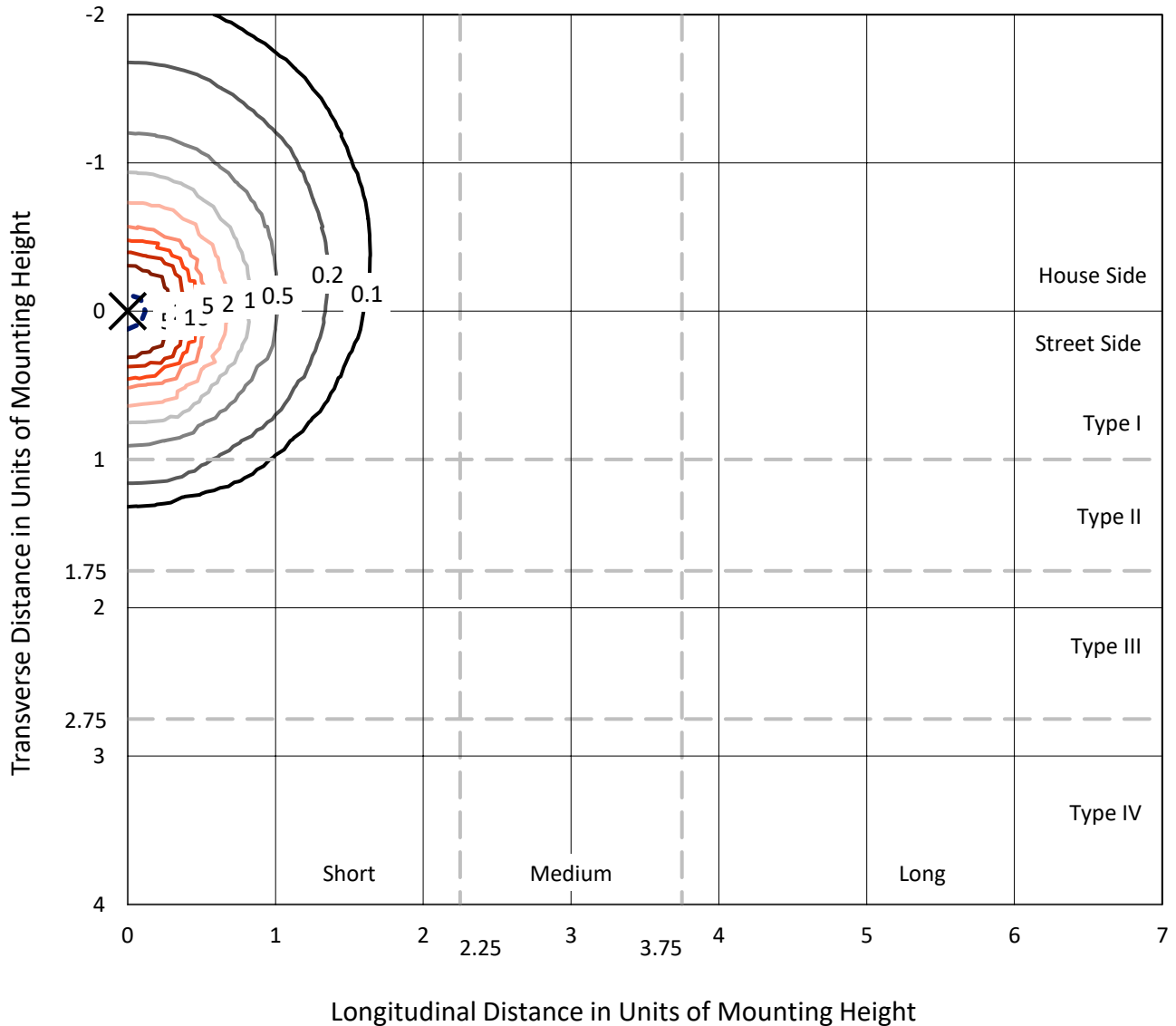
Input Watts (W): 189.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

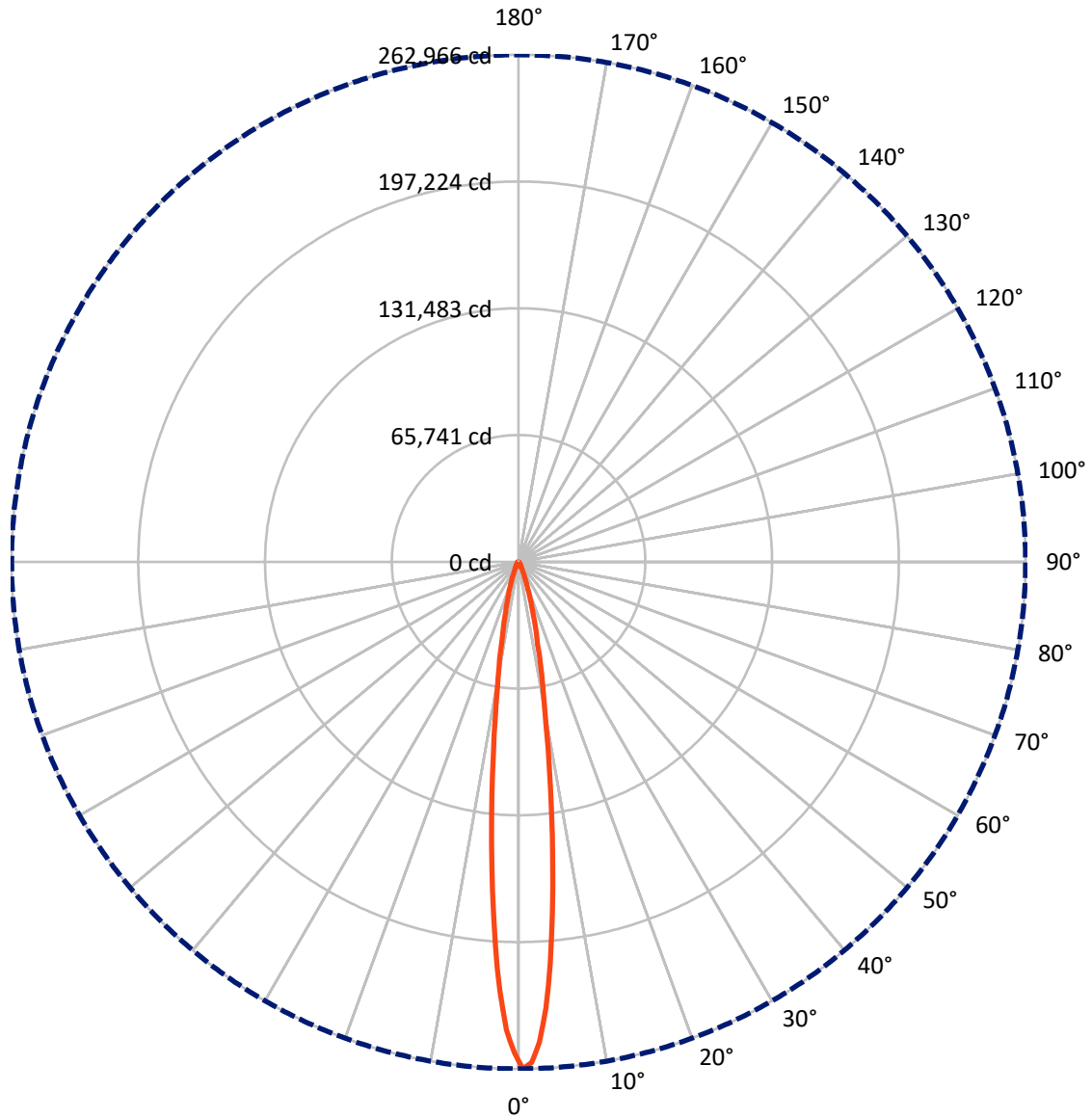
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 657.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13559.1	0.0	13559.1
	% Fixture	51.2	0.0	51.2
<b>Street Side</b>	Lumens	12914.2	0.0	12914.2
	% Fixture	48.8	0.0	48.8
<b>Total</b>	Lumens	26473.3	0.0	26473.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13364.5	50.5
10°-20°	8555.9	32.3
20°-30°	2571.7	9.7
30°-40°	837.4	3.2
40°-50°	487.2	1.8
50°-60°	323.6	1.2
60°-70°	194.8	0.7
70°-80°	100.1	0.4
80°-90°	38.0	0.1
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°	26473.3	100.0
0°-180°	26473.3	100.0

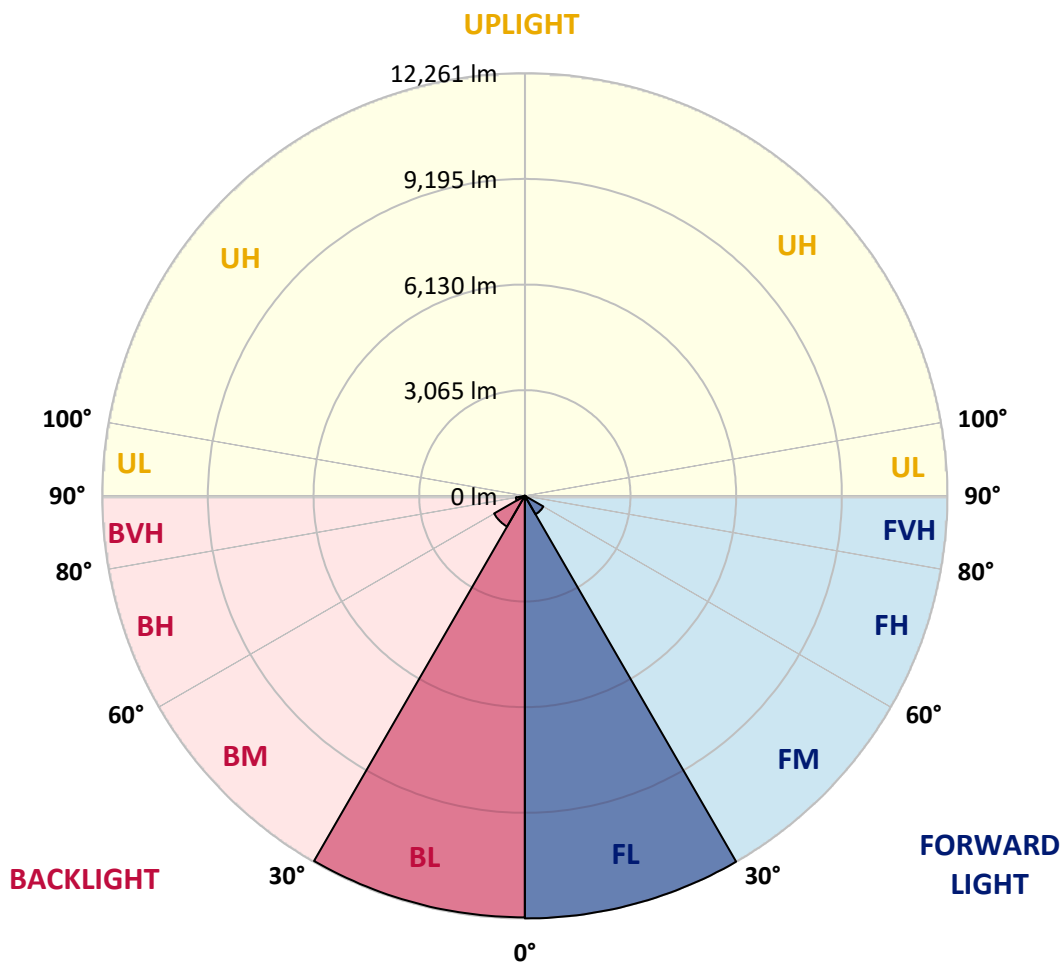


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12260.6	46.3			
FM (30°-60°)	618.7	2.3			
FH (60°-80°)	29.1	0.1			G0/660
FVH (80°-90°)	5.7	0.0			G0/10
BL (0°-30°)	12231.5	46.2	B5		
BM (30°-60°)	1029.5	3.9	B2/2500		
BH (60°-80°)	265.8	1.0	B1/500		G0/660
BVH (80°-90°)	32.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5
1°	259816.9	259024.0	256976.8	258432.9	259713.1	259341.1	259315.2	259176.8	258983.6	260500.2
2°	249431.0	248917.8	245890.3	247138.7	248958.1	247631.8	248462.2	247732.7	247747.1	249557.9
3°	231923.2	232202.9	227373.3	229642.5	232171.2	228956.3	229953.9	231828.1	229864.5	229273.4
4°	209167.7	206740.0	204101.7	206408.4	207062.9	205191.6	207031.2	209326.3	206598.7	206719.8
5°	183188.7	181395.2	178272.5	179696.9	178073.6	178664.7	181421.2	182366.9	180463.9	178067.8
6°	156477.2	155202.7	151298.7	153351.6	152774.9	152440.5	155920.7	153037.3	154075.3	152625.0
7°	130157.9	127776.2	125858.8	127825.2	127952.1	126945.8	131464.0	130939.2	129050.6	128612.4
8°	107837.7	105461.9	103838.5	105303.3	106260.5	104680.5	106805.5	108201.1	106724.8	106857.4
9°	86976.6	86558.5	84300.9	86215.4	87256.3	85563.8	87916.6	88421.2	87040.1	87711.9
10°	71415.1	70927.8	69125.7	69901.4	71625.6	69607.2	71864.9	72029.3	70927.8	71242.1
12.5°	44132.7	43936.7	43887.7	44000.1	43977.0	44334.6	44911.3	44253.8	44167.3	43080.3
15°	28525.1	28816.3	28516.5	29093.1	29176.7	29514.1	29162.3	28631.8	27619.7	27118.0
17.5°	17801.9	18173.8	18687.1	19531.9	20376.7	20474.8	20007.7	19384.8	18894.7	18358.4
20°	10241.7	10423.4	10345.5	11357.6	13543.2	14137.1	13534.5	12880.0	12288.9	11746.8
22.5°	6363.6	6297.3	6418.4	6758.6	7470.8	9307.5	8814.4	8159.9	7730.3	7283.4
25°	3901.2	3973.3	3927.1	4114.6	4434.6	5213.1	5325.6	5043.0	4823.9	4593.2
27.5°	2511.4	2511.4	2531.6	2635.4	2854.5	2828.6	3428.3	3209.2	3091.0	2978.5
30°	1744.4	1750.2	1750.2	1810.8	1859.8	1773.3	1929.0	2211.5	2156.8	2070.3
32.5°	1294.6	1311.9	1326.3	1358.1	1317.7	1225.4	1262.9	1591.6	1559.9	1528.2
35°	986.1	1000.5	1035.1	1052.4	994.8	937.1	902.5	1170.6	1185.1	1176.4
37.5°	718.0	726.6	790.0	856.4	790.0	738.1	718.0	899.6	968.8	960.2
40°	550.7	553.6	565.1	640.1	640.1	599.7	605.5	671.8	792.9	792.9
42.5°	472.9	472.9	484.4	472.9	475.8	519.0	533.4	542.1	671.8	671.8
45°	409.4	409.4	415.2	386.4	357.5	446.9	458.5	461.3	565.1	579.6
47.5°	343.1	343.1	354.7	317.2	302.8	354.7	386.4	395.0	487.3	498.8
50°	253.7	256.6	291.2	259.5	268.2	273.9	334.5	340.2	412.3	438.3
52.5°	170.1	170.1	175.9	201.8	233.6	224.9	271.0	291.2	328.7	363.3
55°	138.4	138.4	135.5	129.8	173.0	187.4	199.0	242.2	268.2	311.4
57.5°	95.2	100.9	92.3	106.7	112.5	141.3	149.9	190.3	204.7	262.4
60°	11.5	14.4	20.2	77.9	75.0	95.2	112.5	149.9	167.2	201.8
62.5°	2.9	2.9	5.8	14.4	51.9	63.4	89.4	103.8	121.1	155.7
65°	0.0	0.0	2.9	5.8	11.5	34.6	46.1	60.6	86.5	109.6
67.5°	0.0	0.0	2.9	5.8	5.8	14.4	23.1	37.5	46.1	80.7
70°	0.0	0.0	2.9	5.8	5.8	11.5	14.4	17.3	31.7	43.3
72.5°	0.0	0.0	2.9	5.8	8.7	11.5	14.4	14.4	14.4	28.8
75°	0.0	0.0	2.9	5.8	8.7	11.5	14.4	14.4	11.5	11.5
77.5°	0.0	0.0	2.9	5.8	11.5	14.4	17.3	14.4	8.7	8.7
80°	0.0	0.0	2.9	8.7	14.4	20.2	23.1	17.3	8.7	5.8
82.5°	0.0	0.0	5.8	11.5	17.3	23.1	31.7	26.0	11.5	5.8
85°	0.0	0.0	2.9	8.7	17.3	23.1	46.1	31.7	14.4	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	17.3	11.5	5.8	2.9
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°
262965.5	0°	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5	262965.5
258750.0	1°	260557.9	260739.6	260145.6	261065.4	260742.4	258851.0	258225.3	257484.3
248493.9	2°	247732.7	248658.3	248704.4	249725.1	249710.7	247504.9	246821.6	248081.6
230472.9	3°	229775.1	230853.5	229881.8	231695.5	231150.5	228474.7	227779.9	229210.0
207677.1	4°	207057.1	206852.4	206517.9	205485.7	206757.3	204932.1	203556.7	205497.2
181245.3	5°	180882.0	180426.4	179774.8	179469.1	180414.9	179247.1	176418.5	179252.9
155248.9	6°	155439.2	153478.5	153383.3	153213.2	153308.4	150038.6	150234.7	152345.3
127104.4	7°	128448.0	128808.4	128073.2	129252.5	128352.9	126138.4	125285.0	127508.0
107439.8	8°	106690.2	106234.6	105672.3	107434.1	105874.2	104421.0	103426.2	105182.2
87821.4	9°	87657.1	86869.9	86299.0	86209.6	86451.9	83724.2	84277.8	85607.0
71415.1	10°	71441.1	70149.3	70463.6	70547.2	70282.0	68494.3	68511.6	68970.0
43801.2	12.5°	43645.5	43011.1	43169.7	43256.2	43795.4	43166.8	42278.7	41638.6
27616.8	15°	27432.3	26976.7	27908.1	28533.8	28406.9	27847.5	27429.4	26849.9
18358.4	17.5°	18188.2	18785.1	18788.0	19358.9	19416.6	18857.2	18534.3	18012.4
11940.0	20°	11896.8	12144.7	12660.8	13064.5	13298.1	12871.3	12485.0	12127.4
7444.8	22.5°	7444.8	7877.3	8200.3	8725.1	8938.4	8627.0	8353.1	8061.9
4648.0	25°	4570.1	4878.6	5146.8	5602.4	5893.6	5743.7	5492.8	5288.1
3001.6	27.5°	3047.7	3177.5	3310.1	3624.4	3927.1	3843.5	3742.6	3618.6
2116.4	30°	2148.1	2159.6	2300.9	2476.8	2678.6	2730.5	2684.4	2621.0
1554.1	32.5°	1583.0	1629.1	1695.4	1805.0	1940.5	2064.5	2041.4	2012.6
1187.9	35°	1222.5	1291.7	1346.5	1430.1	1502.2	1620.4	1640.6	1632.0
977.5	37.5°	997.6	1058.2	1113.0	1162.0	1222.5	1303.3	1366.7	1369.6
807.3	40°	827.5	882.3	954.4	991.9	1035.1	1095.7	1173.5	1179.3
683.4	42.5°	697.8	749.7	821.8	867.9	899.6	957.3	1035.1	1046.7
585.3	45°	599.7	631.5	706.4	761.2	792.9	830.4	914.0	925.6
504.6	47.5°	521.9	553.6	599.7	677.6	706.4	741.0	807.3	827.5
446.9	50°	458.5	490.2	530.5	599.7	643.0	671.8	726.6	755.4
389.3	52.5°	406.6	438.3	481.5	536.3	585.3	611.3	663.2	700.7
317.2	55°	340.2	395.0	426.7	475.8	542.1	565.1	605.5	654.5
276.8	57.5°	297.0	343.1	389.3	429.6	495.9	524.8	565.1	611.3
219.1	60°	250.9	294.1	348.9	383.5	446.9	484.4	527.7	570.9
167.2	62.5°	199.0	256.6	294.1	343.1	403.7	452.7	487.3	530.5
129.8	65°	147.1	210.5	253.7	305.6	363.3	415.2	444.0	490.2
92.3	67.5°	106.7	164.4	216.3	265.3	320.1	372.0	400.8	441.2
57.7	70°	83.6	121.1	178.8	222.0	279.7	322.9	354.7	380.6
37.5	72.5°	49.0	92.3	144.2	193.2	245.1	273.9	297.0	320.1
17.3	75°	31.7	72.1	118.2	161.5	199.0	224.9	245.1	265.3
8.7	77.5°	20.2	51.9	95.2	135.5	152.8	184.5	201.8	213.4
5.8	80°	11.5	40.4	83.6	109.6	124.0	144.2	161.5	175.9
5.8	82.5°	8.7	34.6	69.2	92.3	92.3	115.3	124.0	124.0
2.9	85°	5.8	28.8	54.8	86.5	69.2	86.5	80.7	80.7
2.9	87.5°	5.8	20.2	26.0	37.5	31.7	37.5	37.5	43.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
262965.5  
254549.0  
242744.5  
222858.0  
198473.4  
171785.0  
146226.8  
121461.6  
100168.0  
81455.0  
65850.2  
41249.4  
26552.9  
17882.6  
12003.4  
7906.2  
5169.9  
3546.5  
2577.7  
1989.5  
1603.1  
1349.4  
1170.6  
1038.0  
922.7  
830.4  
758.3  
700.7  
657.4  
614.2  
582.4  
550.7  
498.8  
444.0  
389.3  
325.8  
265.3  
207.6  
158.6  
115.3  
77.9  
43.3  
0.0

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