

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: P637273

Luminaire Tested: **IFLD-S-SA6E-722-U-44-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637273  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-722-U-44-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor  
Light Source: (96) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37591.4 lumens  
Efficiency: N/A  
Efficacy: 81.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

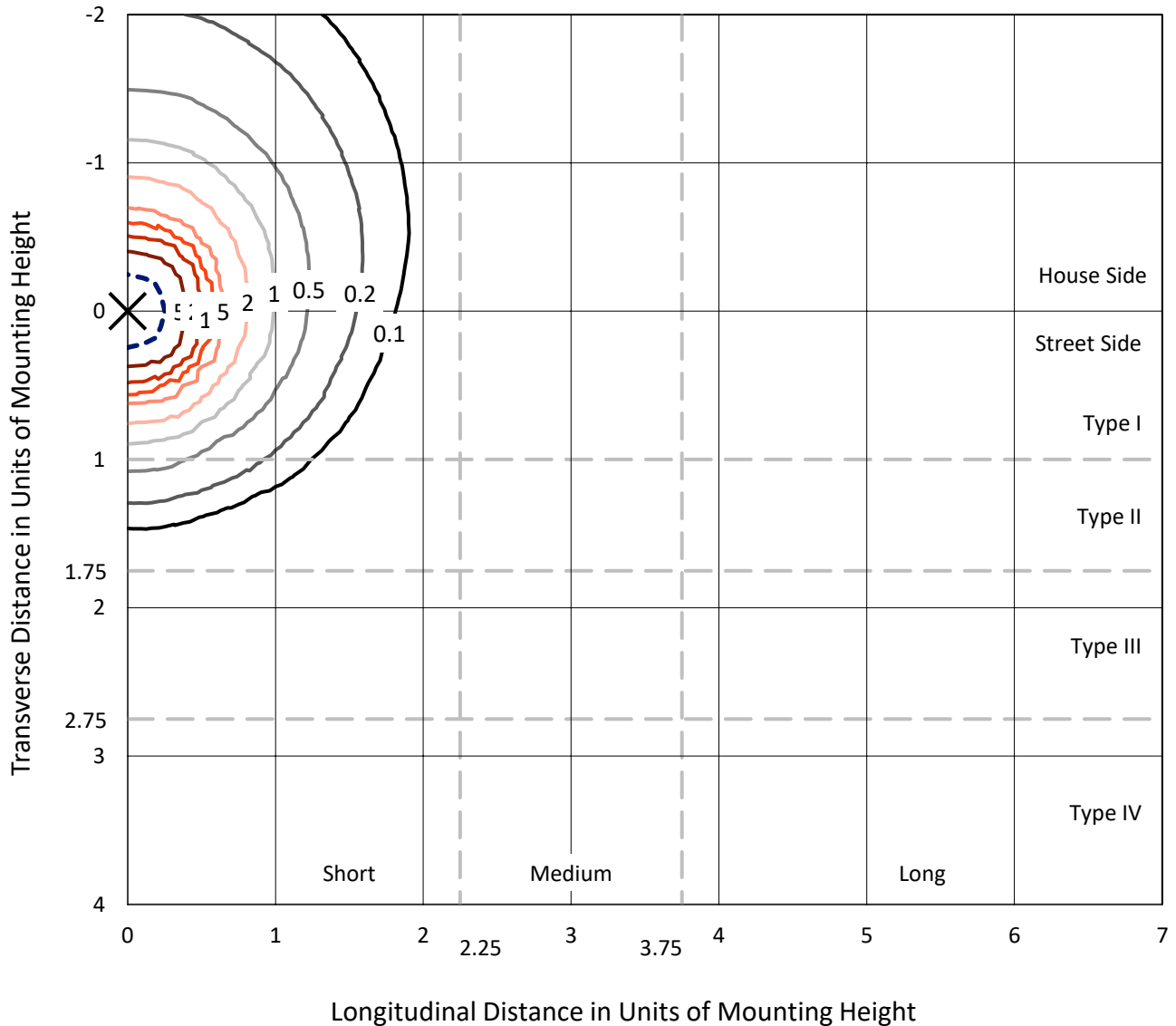
Input Watts (W): 464.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

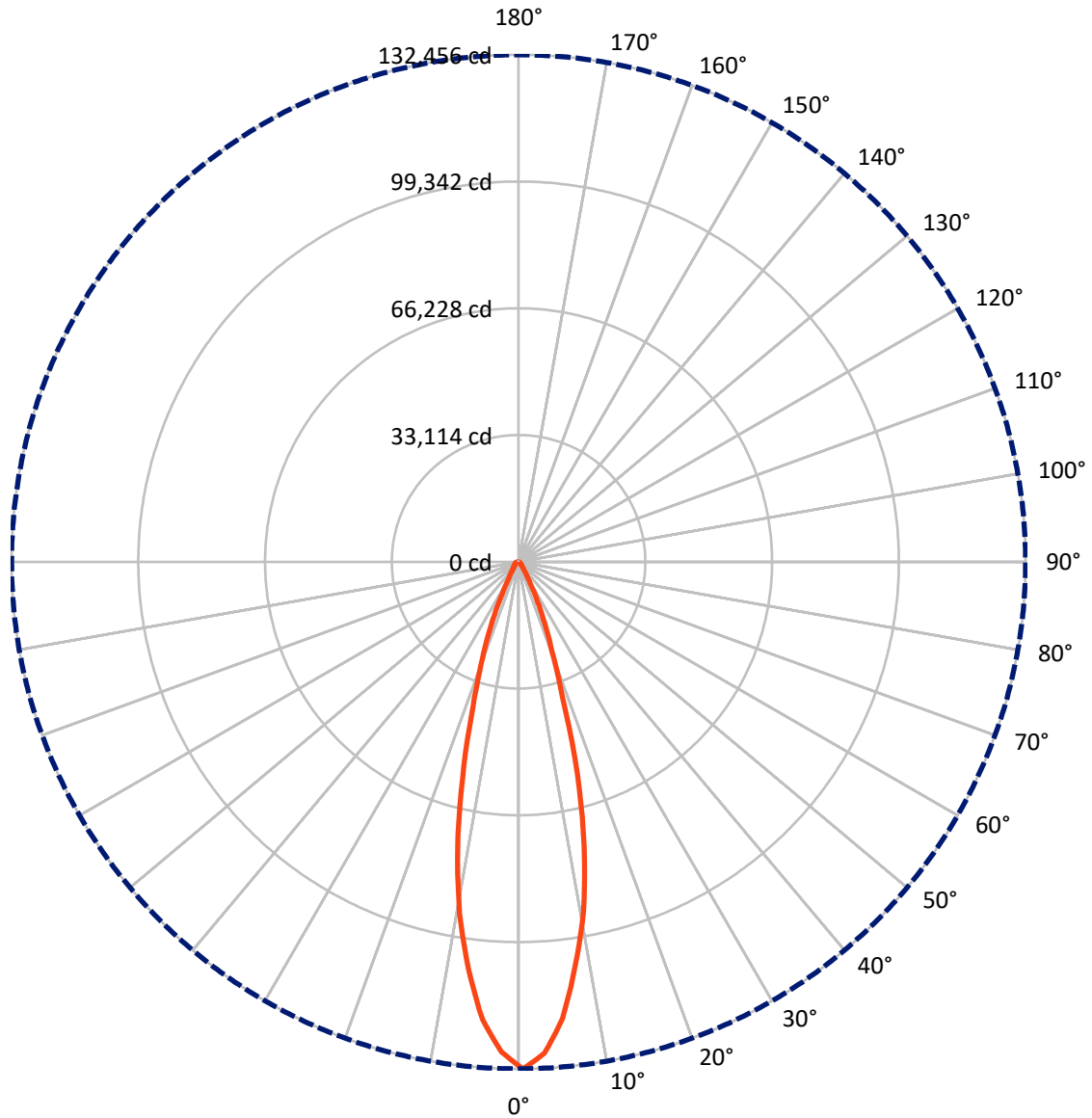
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 331.1 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	19820.7	0.0	19820.7
	% Fixture	52.7	0.0	52.7
<b>Street Side</b>	Lumens	17770.7	0.0	17770.7
	% Fixture	47.3	0.0	47.3
<b>Total</b>	Lumens	37591.4	0.0	37591.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10690.4	28.4
10°-20°	16190.5	43.1
20°-30°	6832.5	18.2
30°-40°	1782.0	4.7
40°-50°	901.3	2.4
50°-60°	589.1	1.6
60°-70°	353.0	0.9
70°-80°	185.7	0.5
80°-90°	67.1	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°	37591.4	100.0
0°-180°	37591.4	100.0

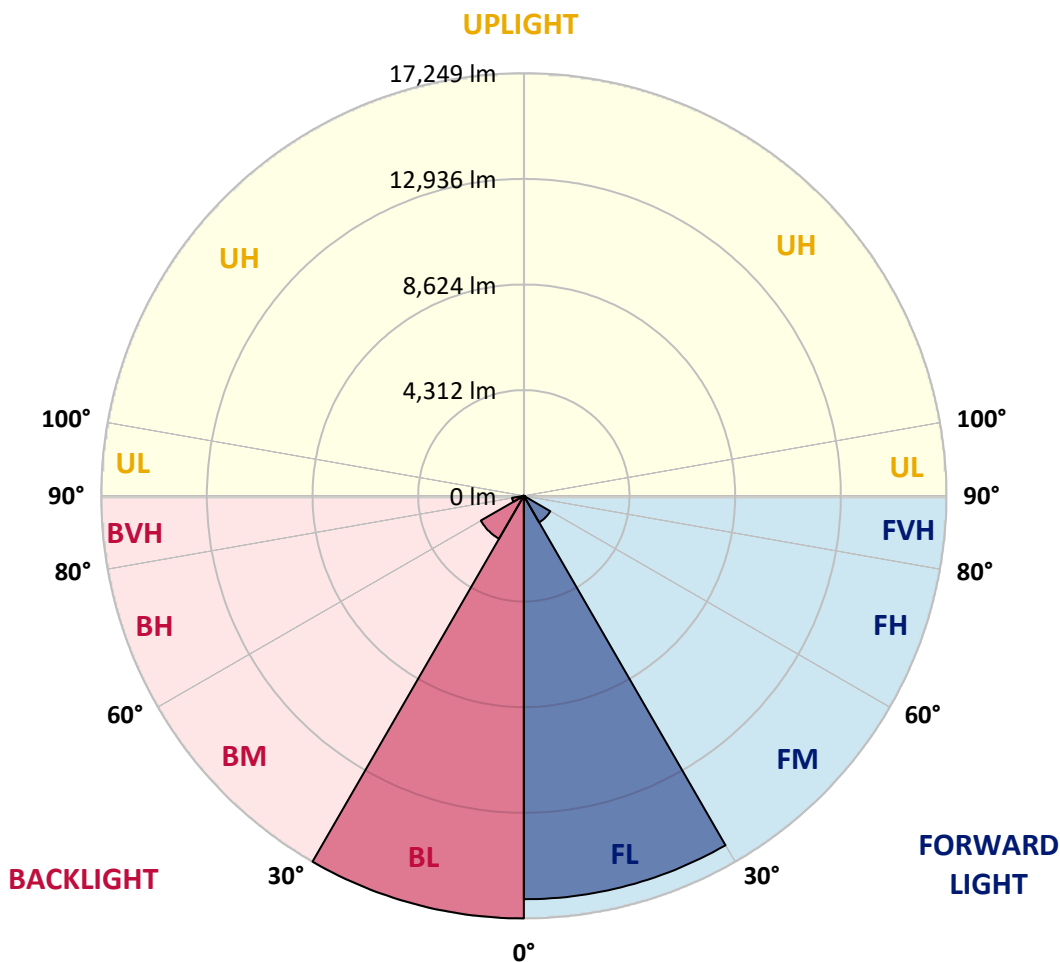


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16464.8	43.8			
FM (30°-60°)	1246.9	3.3			
FH (60°-80°)	50.8	0.1			G0/660
FVH (80°-90°)	8.1	0.0			G0/10
BL (0°-30°)	17248.5	45.9	B5		
BM (30°-60°)	2025.5	5.4	B2/2500		
BH (60°-80°)	487.8	1.3	B1/500		G0/660
BVH (80°-90°)	58.9	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-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8
2.5°	128597.3	128669.1	128403.1	128977.3	128529.8	129728.7	129133.5	130062.2	129749.8	130269.1
5°	119816.5	119698.3	119622.3	120513.0	120255.5	121543.1	120719.9	120449.7	121285.6	121133.6
7.5°	106556.5	106868.9	106691.6	106923.8	107054.7	108523.8	108988.1	108625.1	108637.8	108848.8
10°	92963.1	92502.9	91848.6	92283.4	93203.7	93845.4	93587.9	94119.8	94001.6	94504.0
12.5°	76237.2	76600.3	76233.0	75844.6	77453.1	77275.7	77723.2	78014.5	77284.2	78909.5
15°	57425.9	57615.9	58063.4	58033.9	59270.8	59519.8	59460.7	59768.9	59199.0	59469.2
17.5°	36892.3	37533.9	38737.1	40771.9	43060.0	43325.9	43258.4	43005.1	42730.7	42426.7
20°	24780.6	24713.0	25147.9	25743.1	30479.7	31733.5	31695.5	30901.9	29753.6	29534.1
22.5°	17359.1	17485.7	17426.6	18017.6	18997.0	22454.5	22028.1	21221.8	20846.1	20601.2
25°	11419.3	11372.9	11668.4	11845.7	12685.8	13108.0	14602.4	14302.7	13724.3	13787.6
27.5°	6961.4	7020.5	7130.2	7282.2	7877.4	7742.4	8595.1	8709.1	8523.3	8324.9
30°	4272.2	4314.4	4403.1	4512.9	4719.7	4572.0	4808.4	5217.9	5150.3	5011.0
32.5°	2900.2	2904.4	2967.8	3010.0	2984.6	2845.3	2921.3	3309.7	3318.2	3305.5
35°	2085.5	2085.5	2144.6	2178.3	2106.6	1992.6	2005.2	2245.9	2351.4	2372.5
37.5°	1439.6	1443.8	1545.1	1646.4	1566.2	1536.6	1486.0	1646.4	1815.3	1840.6
40°	1093.4	1089.2	1139.8	1215.8	1224.3	1169.4	1186.3	1287.6	1460.7	1481.8
42.5°	886.5	890.8	916.1	907.6	911.9	983.6	1009.0	1055.4	1215.8	1253.8
45°	747.2	751.4	764.1	721.9	705.0	814.8	848.5	873.9	1009.0	1055.4
47.5°	616.3	624.8	637.5	591.0	582.6	654.3	713.4	738.8	857.0	907.6
50°	443.3	451.7	498.1	472.8	498.1	515.0	595.2	633.2	713.4	781.0
52.5°	320.8	329.3	341.9	346.2	409.5	417.9	477.0	536.1	574.1	650.1
55°	253.3	261.7	253.3	244.9	299.7	346.2	367.3	430.6	460.2	548.8
57.5°	143.5	152.0	164.6	190.0	198.4	266.0	287.1	341.9	367.3	451.7
60°	25.3	29.6	46.4	114.0	139.3	168.9	215.3	261.7	295.5	354.6
62.5°	4.2	4.2	8.4	25.3	80.2	118.2	156.2	185.7	215.3	270.2
65°	0.0	0.0	4.2	8.4	21.1	67.5	84.4	109.8	147.8	194.2
67.5°	0.0	0.0	4.2	8.4	12.7	25.3	38.0	67.5	84.4	130.9
70°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	29.6	50.7	80.2
72.5°	0.0	0.0	4.2	8.4	12.7	16.9	21.1	25.3	25.3	50.7
75°	0.0	0.0	4.2	8.4	12.7	21.1	25.3	25.3	21.1	21.1
77.5°	0.0	0.0	4.2	8.4	16.9	25.3	29.6	25.3	16.9	16.9
80°	0.0	0.0	8.4	12.7	21.1	29.6	38.0	29.6	16.9	8.4
82.5°	0.0	0.0	8.4	16.9	21.1	33.8	46.4	38.0	16.9	8.4
85°	0.0	0.0	4.2	12.7	25.3	33.8	46.4	33.8	16.9	4.2
87.5°	0.0	0.0	4.2	4.2	8.4	12.7	25.3	21.1	8.4	4.2
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°
132455.8	0°	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8	132455.8
129285.4	2.5°	130028.4	130703.9	130843.2	130657.4	130927.6	130442.1	130070.6	129108.1	128529.8
121087.2	5°	121868.1	121766.8	122471.8	122704.0	122674.5	122303.0	121783.7	121201.1	120635.4
108439.3	7.5°	109114.8	109245.7	109887.3	110296.8	110090.0	109625.6	109266.8	108827.7	108447.8
94685.5	10°	95550.9	94651.7	95449.6	95449.6	96002.6	94689.7	94812.1	93706.1	93756.7
78879.9	12.5°	79150.1	79475.2	79606.1	79981.8	79335.9	78639.3	77786.6	77617.7	77090.0
58954.2	15°	59802.7	60731.4	59933.6	61297.1	60638.6	59912.5	59781.6	58472.9	58886.6
42760.2	17.5°	42549.2	43575.0	43895.8	44676.8	44077.4	43646.8	43102.2	42705.4	42675.8
29935.1	20°	30171.5	31201.6	31438.0	32375.2	32307.6	32172.5	31712.4	31210.0	30665.4
20377.5	22.5°	20685.7	21525.8	22311.0	23573.2	23552.1	23155.3	23108.8	22399.6	22412.3
13766.5	25°	13910.1	14522.2	14707.9	15999.7	16143.3	16101.0	15860.4	15201.9	15450.9
8409.4	27.5°	8417.8	8953.9	9583.0	10038.9	10469.5	10401.9	10161.3	9794.0	9633.6
5053.2	30°	5188.3	5428.9	5661.1	6209.9	6467.4	6602.5	6488.5	6146.6	6171.9
3326.6	32.5°	3398.4	3601.0	3769.9	4116.0	4251.1	4500.2	4453.8	4382.0	4297.6
2393.6	35°	2478.1	2625.8	2739.8	2900.2	3073.3	3284.4	3318.2	3288.6	3254.8
1849.0	37.5°	1891.3	2043.2	2174.1	2241.7	2376.7	2541.4	2634.3	2630.0	2604.7
1507.1	40°	1536.6	1650.6	1768.8	1857.5	1950.4	2072.8	2186.8	2199.4	2199.4
1266.5	42.5°	1283.4	1380.5	1498.7	1591.5	1659.1	1773.1	1891.3	1899.7	1891.3
1072.3	45°	1097.6	1182.0	1296.0	1405.8	1460.7	1545.1	1659.1	1684.4	1667.5
920.3	47.5°	954.1	1030.1	1127.2	1245.4	1304.5	1380.5	1486.0	1515.5	1511.3
793.7	50°	819.0	907.6	1004.7	1101.8	1177.8	1249.6	1350.9	1384.7	1372.0
675.5	52.5°	721.9	802.1	886.5	992.1	1080.7	1144.0	1224.3	1283.4	1266.5
569.9	55°	603.7	700.8	789.4	878.1	987.8	1055.4	1131.4	1203.1	1186.3
481.3	57.5°	523.5	603.7	705.0	785.2	895.0	975.2	1051.2	1127.2	1122.9
392.6	60°	439.0	523.5	620.6	705.0	806.3	895.0	971.0	1055.4	1063.8
295.5	62.5°	346.2	447.5	531.9	629.0	730.3	827.4	895.0	979.4	992.1
223.7	65°	261.7	367.3	460.2	553.0	654.3	759.9	819.0	890.8	903.4
164.6	67.5°	194.2	282.8	392.6	477.0	582.6	683.9	738.8	797.9	819.0
101.3	70°	147.8	215.3	329.3	409.5	519.3	599.5	658.6	709.2	726.1
67.5	72.5°	92.9	168.9	266.0	350.4	447.5	519.3	561.5	591.0	616.3
38.0	75°	63.3	130.9	215.3	299.7	371.5	426.4	464.4	489.7	510.8
16.9	77.5°	38.0	101.3	177.3	249.1	295.5	337.7	375.7	392.6	405.3
12.7	80°	21.1	76.0	147.8	202.6	232.2	261.7	291.3	312.4	320.8
8.4	82.5°	12.7	59.1	118.2	156.2	168.9	198.4	228.0	240.6	240.6
4.2	85°	8.4	42.2	80.2	114.0	122.4	143.5	152.0	160.4	168.9
4.2	87.5°	8.4	25.3	50.7	63.3	67.5	76.0	80.2	88.7	97.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
132455.8  
128103.4  
120002.2  
107160.2  
93262.8  
76608.7  
58472.9  
41890.6  
30429.0  
22167.4  
15058.3  
9494.3  
6062.2  
4268.0  
3242.2  
2592.0  
2174.1  
1882.8  
1667.5  
1502.9  
1363.6  
1262.2  
1194.7  
1127.2  
1068.1  
1000.5  
916.1  
827.4  
734.6  
612.1  
506.6  
401.0  
312.4  
236.4  
164.6  
92.9  
0.0

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