

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: P637271

Luminaire Tested: **IFLD-S-SA6C-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637271
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 29520 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

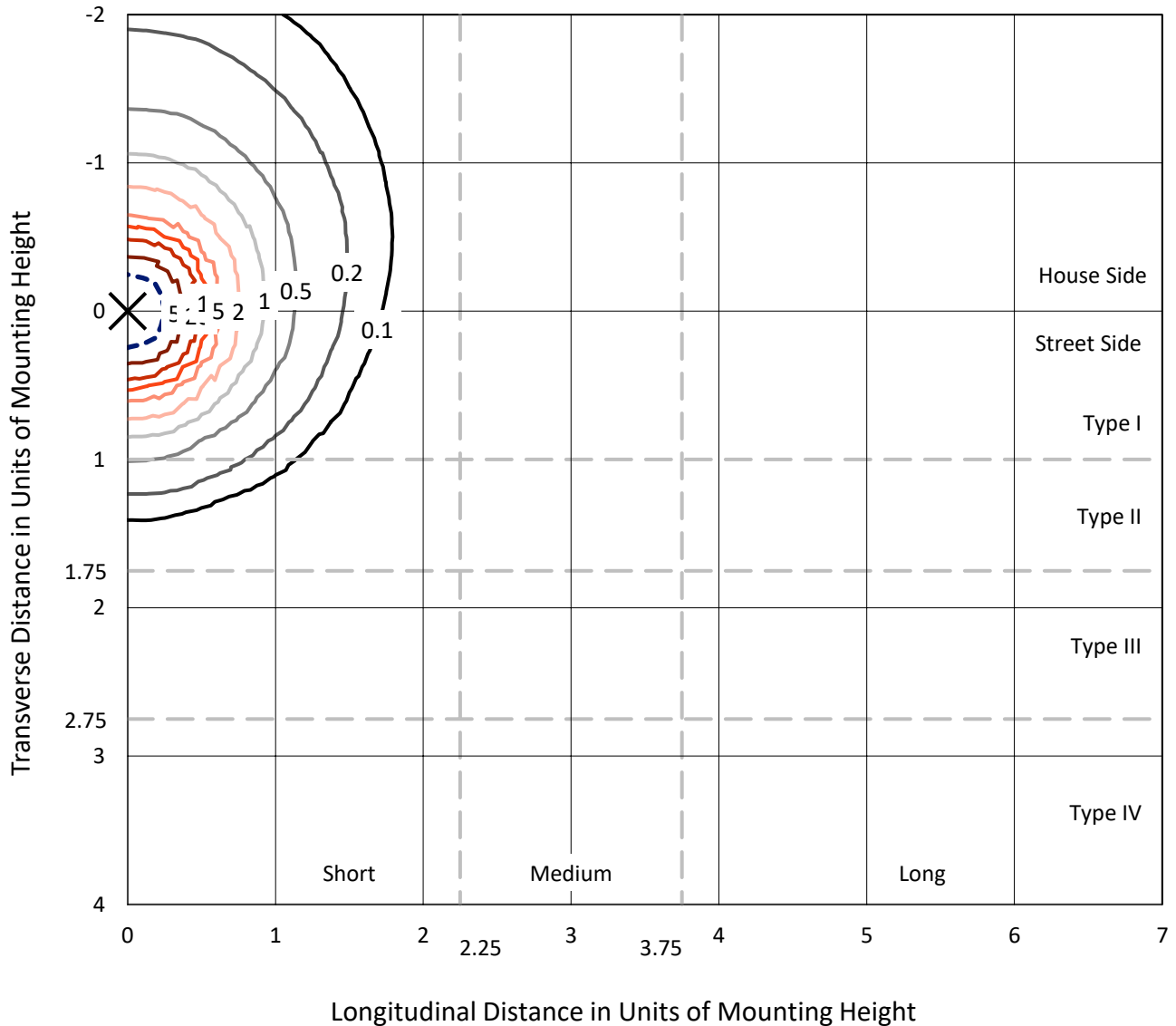
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

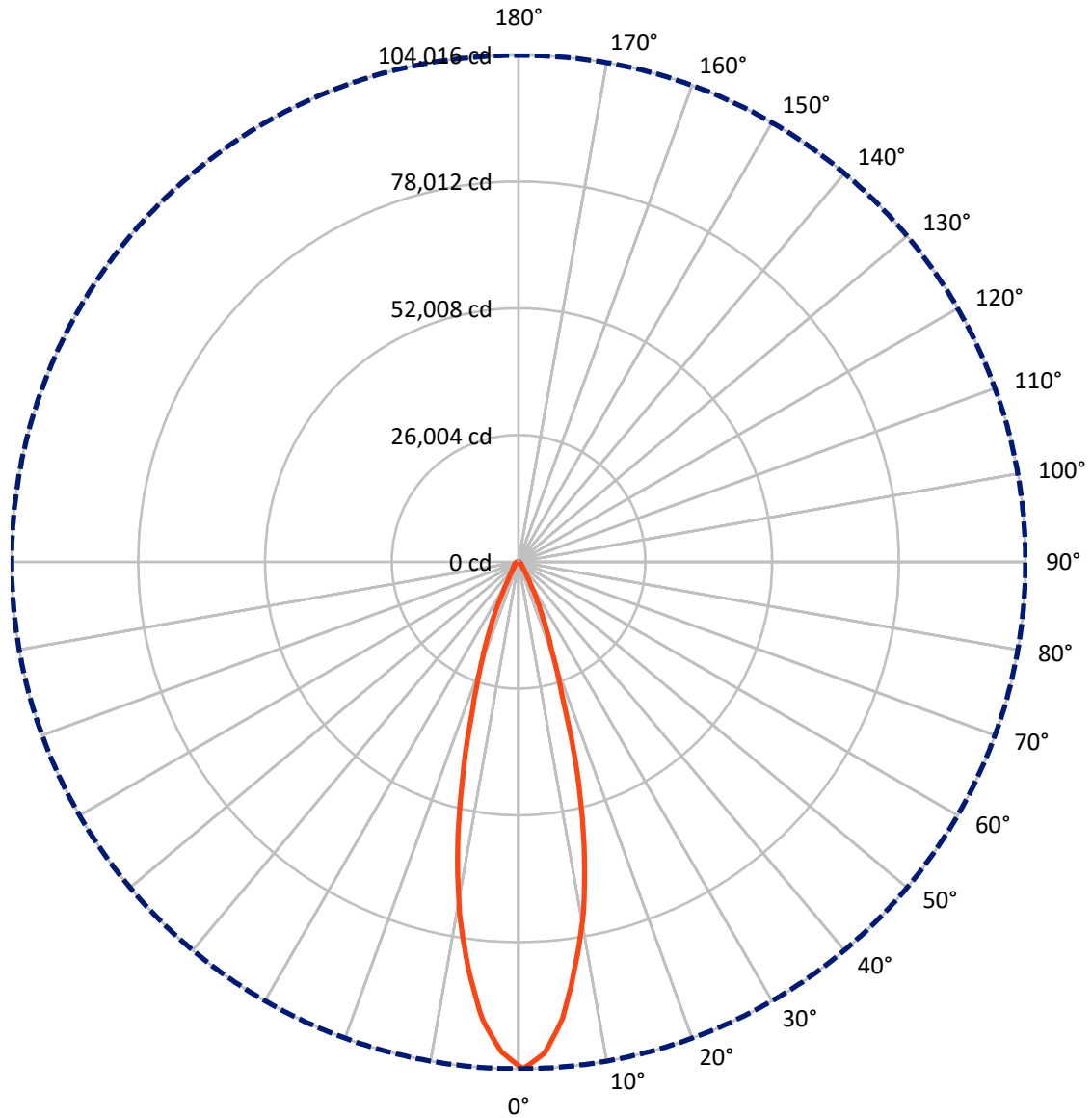
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 260 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
House Side	Lumens	15564.9	0.0	15564.9
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	13955.1	0.0	13955.1
	% Fixture	47.3	0.0	47.3
Total	Lumens	29520.0	0.0	29520.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8395.0	28.4
10°-20°	12714.2	43.1
20°-30°	5365.4	18.2
30°-40°	1399.4	4.7
40°-50°	707.8	2.4
50°-60°	462.6	1.6
60°-70°	277.2	0.9
70°-80°	145.8	0.5
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°	29520.0	100.0
0°-180°	29520.0	100.0

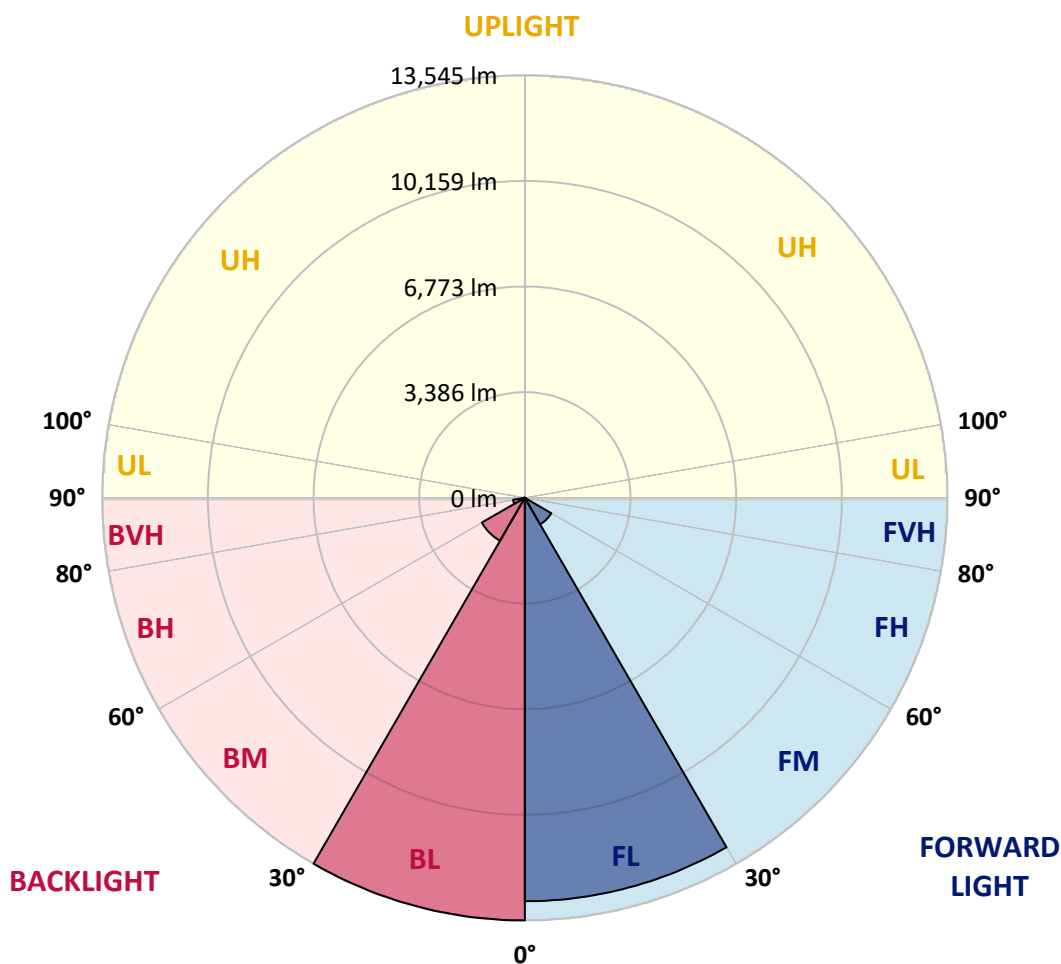


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12929.6	43.8			
FM (30°-60°)	979.2	3.3			
FH (60°-80°)	39.9	0.1			G0/660
FVH (80°-90°)	6.4	0.0			G0/10
BL (0°-30°)	13545.0	45.9	B5		
BM (30°-60°)	1590.6	5.4	B2/2500		
BH (60°-80°)	383.1	1.3	B1/500		G0/660
BVH (80°-90°)	46.3	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°	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7
2.5°	100985.7	101042.0	100833.2	101284.0	100932.6	101874.1	101406.7	102136.0	101890.7	102298.5
5°	94090.2	93997.4	93937.7	94637.2	94435.0	95446.1	94799.6	94587.5	95243.9	95124.5
7.5°	83677.3	83922.7	83783.4	83965.8	84068.5	85222.2	85586.9	85301.8	85311.7	85477.5
10°	73002.6	72641.3	72127.4	72468.9	73191.6	73695.5	73493.3	73911.0	73818.1	74212.6
12.5°	59868.0	60153.1	59864.7	59559.7	60822.8	60683.6	61035.0	61263.7	60690.2	61966.5
15°	45095.8	45245.0	45596.4	45573.2	46544.5	46740.1	46693.7	46935.7	46488.2	46700.3
17.5°	28971.0	29474.9	30419.7	32017.6	33814.4	34023.2	33970.2	33771.3	33555.8	33317.1
20°	19459.8	19406.8	19748.3	20215.7	23935.3	24919.9	24890.0	24266.8	23365.1	23192.7
22.5°	13631.8	13731.3	13684.9	14149.0	14918.1	17633.2	17298.4	16665.2	16370.1	16177.9
25°	8967.4	8931.0	9163.0	9302.3	9962.0	10293.5	11467.1	11231.7	10777.5	10827.2
27.5°	5466.7	5513.1	5599.3	5718.6	6186.0	6080.0	6749.6	6839.1	6693.3	6537.4
30°	3354.9	3388.1	3457.7	3543.9	3706.3	3590.3	3775.9	4097.5	4044.5	3935.1
32.5°	2277.5	2280.8	2330.5	2363.7	2343.8	2234.4	2294.1	2599.1	2605.7	2595.8
35°	1637.7	1637.7	1684.1	1710.6	1654.3	1564.7	1574.7	1763.7	1846.5	1863.1
37.5°	1130.5	1133.8	1213.3	1292.9	1229.9	1206.7	1166.9	1292.9	1425.5	1445.4
40°	858.6	855.3	895.1	954.8	961.4	918.3	931.6	1011.1	1147.0	1163.6
42.5°	696.2	699.5	719.4	712.8	716.1	772.4	792.3	828.8	954.8	984.6
45°	586.8	590.1	600.0	566.9	553.6	639.8	666.3	686.2	792.3	828.8
47.5°	484.0	490.6	500.6	464.1	457.5	513.8	560.3	580.1	673.0	712.8
50°	348.1	354.7	391.2	371.3	391.2	404.4	467.4	497.3	560.3	613.3
52.5°	252.0	258.6	268.5	271.8	321.6	328.2	374.6	421.0	450.9	510.5
55°	198.9	205.5	198.9	192.3	235.4	271.8	288.4	338.1	361.3	431.0
57.5°	112.7	119.3	129.3	149.2	155.8	208.9	225.4	268.5	288.4	354.7
60°	19.9	23.2	36.5	89.5	109.4	132.6	169.1	205.5	232.1	278.5
62.5°	3.3	3.3	6.6	19.9	63.0	92.8	122.7	145.9	169.1	212.2
65°	0.0	0.0	3.3	6.6	16.6	53.0	66.3	86.2	116.0	152.5
67.5°	0.0	0.0	3.3	6.6	9.9	19.9	29.8	53.0	66.3	102.8
70°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	23.2	39.8	63.0
72.5°	0.0	0.0	3.3	6.6	9.9	13.3	16.6	19.9	19.9	39.8
75°	0.0	0.0	3.3	6.6	9.9	16.6	19.9	19.9	16.6	16.6
77.5°	0.0	0.0	3.3	6.6	13.3	19.9	23.2	19.9	13.3	13.3
80°	0.0	0.0	6.6	9.9	16.6	23.2	29.8	23.2	13.3	6.6
82.5°	0.0	0.0	6.6	13.3	16.6	26.5	36.5	29.8	13.3	6.6
85°	0.0	0.0	3.3	9.9	19.9	26.5	36.5	26.5	13.3	3.3
87.5°	0.0	0.0	3.3	3.3	6.6	9.9	19.9	16.6	6.6	3.3
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°
104015.7	0°	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7	104015.7
101526.0	2.5°	102109.5	102639.9	102749.3	102603.5	102815.6	102434.4	102142.7	101386.8	100932.6
95088.0	5°	95701.3	95621.8	96175.4	96357.7	96334.5	96042.8	95635.0	95177.6	94733.3
85155.9	7.5°	85686.3	85789.1	86293.0	86614.6	86452.1	86087.5	85805.7	85460.9	85162.5
74355.2	10°	75034.8	74328.7	74955.2	74955.2	75389.5	74358.5	74454.6	73586.1	73625.9
61943.3	12.5°	62155.5	62410.8	62513.5	62808.6	62301.4	61754.4	61084.7	60952.1	60537.7
46295.9	15°	46962.2	47691.5	47065.0	48135.8	47618.6	47048.4	46945.6	45917.9	46242.8
33579.0	17.5°	33413.3	34218.8	34470.8	35084.1	34613.3	34275.2	33847.5	33535.9	33512.7
23507.6	20°	23693.3	24502.2	24687.8	25423.8	25370.7	25264.7	24903.3	24508.8	24081.1
16002.2	22.5°	16244.2	16903.9	17520.5	18511.7	18495.1	18183.5	18147.1	17590.1	17600.1
10810.7	25°	10923.4	11404.1	11549.9	12564.4	12677.1	12643.9	12455.0	11937.8	12133.4
6603.8	27.5°	6610.4	7031.4	7525.4	7883.4	8221.5	8168.5	7979.5	7691.1	7565.1
3968.2	30°	4074.3	4263.3	4445.6	4876.6	5078.8	5184.9	5095.4	4826.8	4846.7
2612.3	32.5°	2668.7	2827.8	2960.4	3232.3	3338.3	3533.9	3497.5	3441.1	3374.8
1879.7	35°	1946.0	2062.0	2151.5	2277.5	2413.4	2579.2	2605.7	2582.5	2556.0
1452.0	37.5°	1485.2	1604.5	1707.3	1760.3	1866.4	1995.7	2068.6	2065.3	2045.4
1183.5	40°	1206.7	1296.2	1389.0	1458.7	1531.6	1627.7	1717.2	1727.2	1727.2
994.5	42.5°	1007.8	1084.0	1176.9	1249.8	1302.8	1392.4	1485.2	1491.8	1485.2
842.0	45°	861.9	928.2	1017.7	1103.9	1147.0	1213.3	1302.8	1322.7	1309.5
722.7	47.5°	749.2	808.9	885.1	978.0	1024.4	1084.0	1166.9	1190.1	1186.8
623.2	50°	643.1	712.8	789.0	865.3	924.9	981.3	1060.8	1087.4	1077.4
530.4	52.5°	566.9	629.9	696.2	779.1	848.7	898.4	961.4	1007.8	994.5
447.5	55°	474.1	550.3	619.9	689.5	775.7	828.8	888.5	944.8	931.6
377.9	57.5°	411.1	474.1	553.6	616.6	702.8	765.8	825.5	885.1	881.8
308.3	60°	344.8	411.1	487.3	553.6	633.2	702.8	762.5	828.8	835.4
232.1	62.5°	271.8	351.4	417.7	494.0	573.5	649.8	702.8	769.1	779.1
175.7	65°	205.5	288.4	361.3	434.3	513.8	596.7	643.1	699.5	709.4
129.3	67.5°	152.5	222.1	308.3	374.6	457.5	537.1	580.1	626.6	643.1
79.6	70°	116.0	169.1	258.6	321.6	407.8	470.7	517.2	556.9	570.2
53.0	72.5°	72.9	132.6	208.9	275.2	351.4	407.8	440.9	464.1	484.0
29.8	75°	49.7	102.8	169.1	235.4	291.7	334.8	364.7	384.6	401.1
13.3	77.5°	29.8	79.6	139.2	195.6	232.1	265.2	295.0	308.3	318.3
9.9	80°	16.6	59.7	116.0	159.1	182.3	205.5	228.7	245.3	252.0
6.6	82.5°	9.9	46.4	92.8	122.7	132.6	155.8	179.0	189.0	189.0
3.3	85°	6.6	33.2	63.0	89.5	96.1	112.7	119.3	126.0	132.6
3.3	87.5°	6.6	19.9	39.8	49.7	53.0	59.7	63.0	69.6	76.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
104015.7
100597.8
94236.1
84151.4
73238.0
60159.8
45917.9
32896.1
23895.5
17407.8
11825.1
7455.7
4760.5
3351.6
2546.0
2035.5
1707.3
1478.6
1309.5
1180.2
1070.8
991.2
938.2
885.1
838.7
785.7
719.4
649.8
576.8
480.7
397.8
314.9
245.3
185.6
129.3
72.9
0.0

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