

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: P637796

Luminaire Tested: **IFLD-M-SA4A-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637796
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (64) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11470.3 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

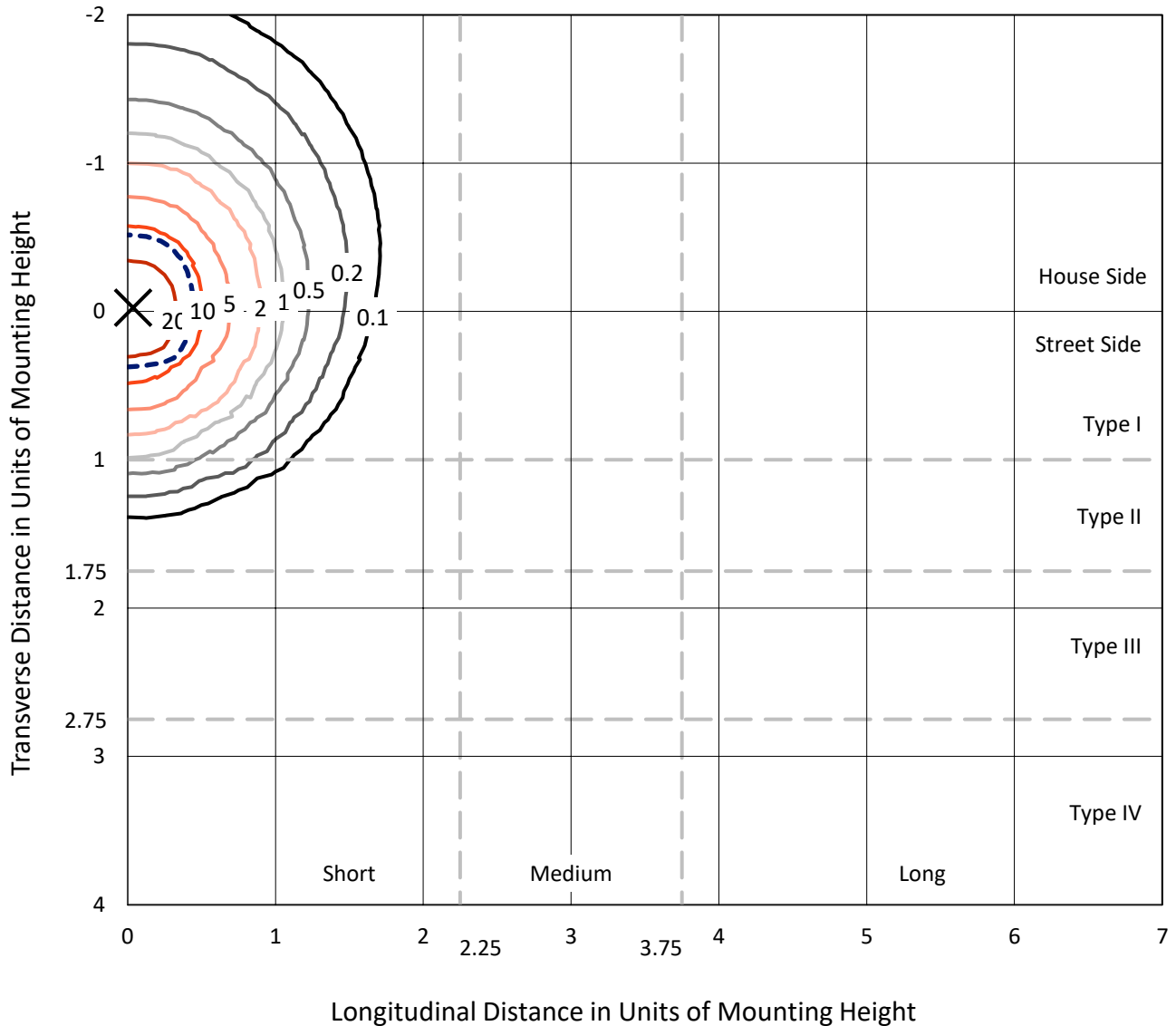
Input Watts (W): 128.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637796
 CATALOG NUMBER: IFLD-M-SA4A-722-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

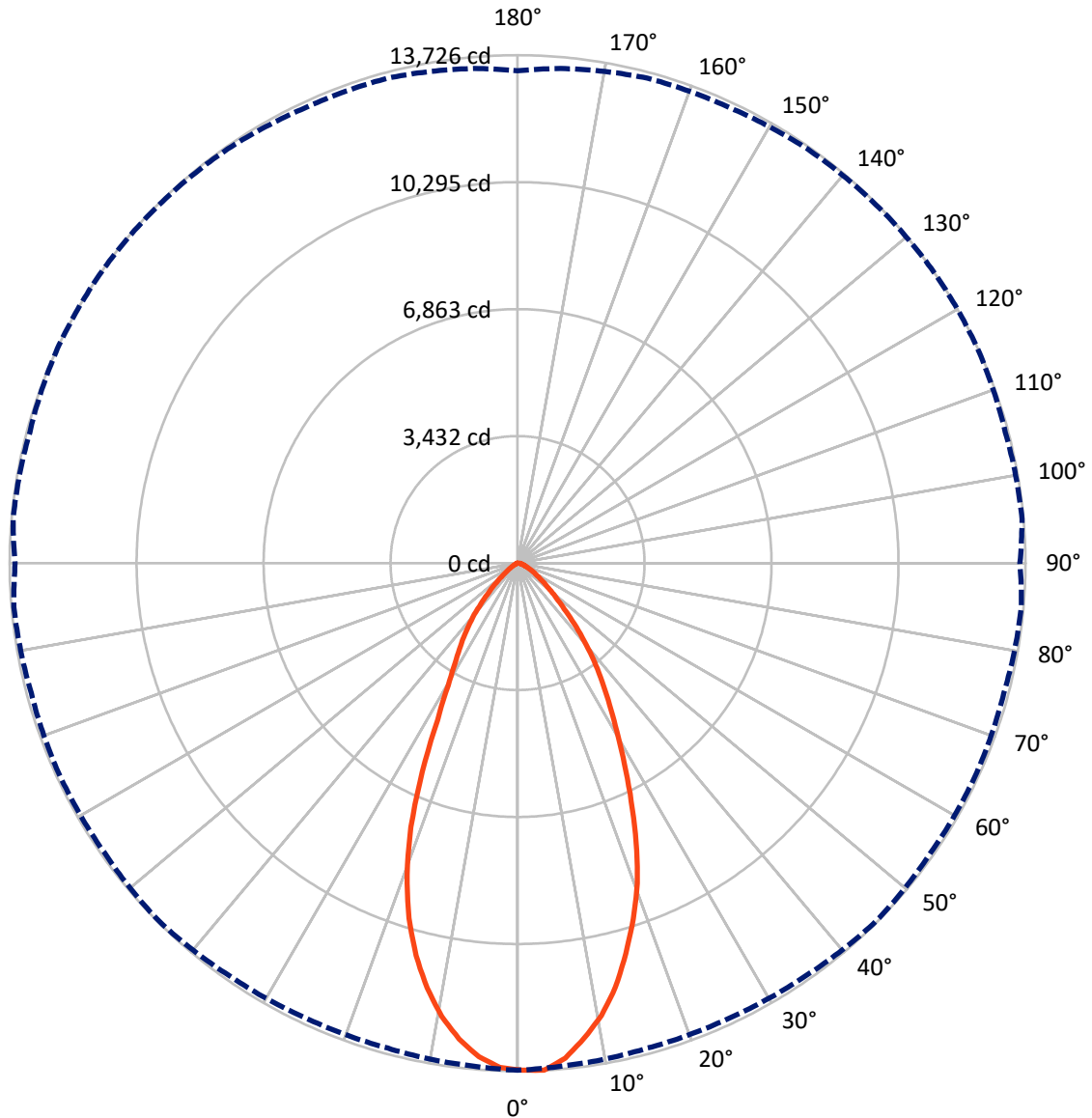
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 34.3 fc
 Type I - Short - N/A

REPORT NUMBER: P637796
CATALOG NUMBER: IFLD-M-SA4A-722-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P637796

CATALOG NUMBER: IFLD-M-SA4A-722-U-66-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6508.7	0.0	6508.7
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	4961.6	0.0	4961.6
	% Fixture	43.3	0.0	43.3
Total	Lumens	11470.3	0.0	11470.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1244.4	10.8
10°-20°	2966.4	25.9
20°-30°	3021.2	26.3
30°-40°	2252.9	19.6
40°-50°	1177.0	10.3
50°-60°	495.0	4.3
60°-70°	202.2	1.8
70°-80°	85.1	0.7
80°-90°	26.2	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°	11470.3	100.0
0°-180°	11470.3	100.0



REPORT NUMBER: P637796

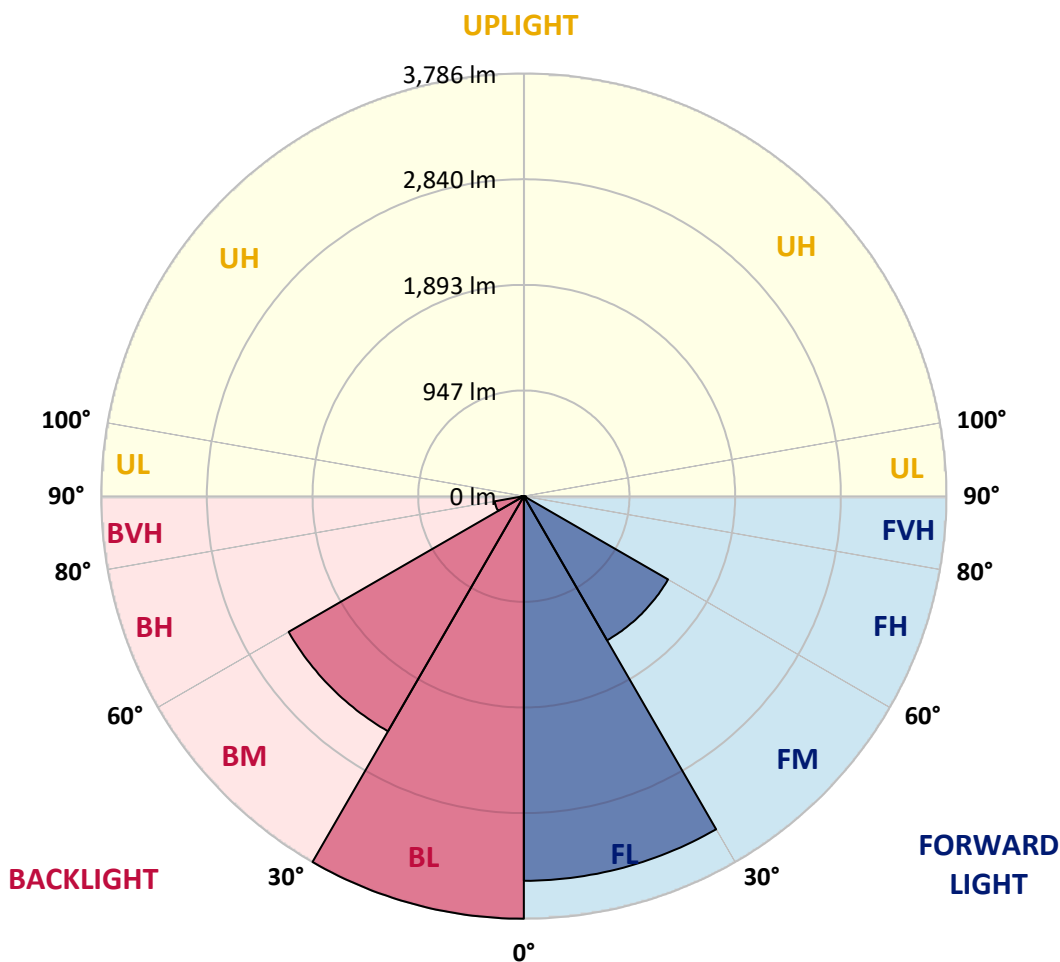
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3445.8	30.0			
FM (30°-60°)	1491.8	13.0			
FH (60°-80°)	21.6	0.2			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	3786.1	33.0	B4/5000		
BM (30°-60°)	2433.1	21.2	B2/2500		
BH (60°-80°)	265.7	2.3	B1/500		G1/500
BVH (80°-90°)	23.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short





REPORT NUMBER: P637796
 CATALOG NUMBER: IFLD-M-SA4A-722-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2
2.5°	13705.7	13649.7	13570.1	13562.7	13604.0	13693.9	13636.4	13639.4	13604.0	13664.4
5°	13490.6	13437.5	13383.0	13310.8	13371.2	13409.5	13380.0	13347.6	13302.0	13360.9
7.5°	13083.9	13054.4	12973.4	12941.0	12977.8	13020.5	12957.2	12948.3	12885.0	12961.6
10°	12462.1	12450.3	12370.8	12351.6	12384.0	12448.8	12420.9	12415.0	12375.2	12367.8
12.5°	11816.8	11771.1	11672.4	11666.5	11715.1	11812.3	11737.2	11665.0	11687.1	11706.2
15°	10154.7	10106.1	10350.7	10735.3	10937.1	10929.8	10951.9	10864.9	10838.4	10847.3
17.5°	8072.8	7990.3	8078.7	8674.0	9633.2	10190.1	10036.9	9849.8	9749.6	9683.3
20°	6967.8	6972.2	6956.0	7109.2	7707.4	8977.5	8940.7	8579.7	8448.5	8394.0
22.5°	6295.9	6270.8	6235.5	6284.1	6444.7	7190.2	7689.7	7358.2	7312.5	7252.1
25°	5637.3	5637.3	5594.5	5643.2	5688.8	5699.2	6200.1	6335.7	6247.3	6247.3
27.5°	5067.1	5037.6	5018.4	5040.5	4980.1	4689.9	4753.2	5447.2	5386.8	5350.0
30°	4501.3	4492.4	4460.0	4489.5	4265.5	3938.4	3805.8	4597.0	4660.4	4647.1
32.5°	3715.9	3751.3	3895.7	3941.4	3558.3	3294.5	3167.8	3816.1	4069.6	4059.2
35°	2525.4	2554.9	2719.9	3265.1	2949.8	2761.2	2724.3	3035.2	3452.2	3492.0
37.5°	2011.2	2006.8	2053.9	2151.2	2370.7	2325.0	2314.7	2395.8	2815.7	2833.4
40°	1657.6	1651.7	1650.2	1570.7	1516.1	1933.1	1905.1	1856.5	2220.4	2255.8
42.5°	1336.4	1342.3	1346.7	1172.8	1093.3	1491.1	1474.9	1424.8	1741.6	1782.8
45°	1049.1	1047.6	1056.4	873.7	851.6	953.3	1102.1	1062.3	1314.3	1358.5
47.5°	543.7	562.8	682.2	676.3	686.6	676.3	834.0	823.6	988.7	1059.4
50°	365.4	371.3	381.6	383.1	540.7	498.0	565.8	640.9	692.5	801.5
52.5°	282.9	287.3	260.8	244.6	331.5	368.4	371.3	443.5	483.3	593.8
55°	157.7	176.8	190.1	191.5	182.7	272.6	271.1	328.6	359.5	433.2
57.5°	20.6	25.0	38.3	123.8	122.3	151.8	190.1	238.7	256.4	316.8
60°	1.5	2.9	4.4	19.2	81.0	88.4	129.7	148.8	178.3	222.5
62.5°	0.0	0.0	1.5	4.4	16.2	51.6	67.8	78.1	104.6	145.9
65°	0.0	0.0	1.5	2.9	5.9	19.2	26.5	42.7	61.9	89.9
67.5°	0.0	0.0	1.5	2.9	4.4	7.4	11.8	19.2	32.4	54.5
70°	0.0	0.0	1.5	2.9	4.4	5.9	8.8	11.8	17.7	29.5
72.5°	0.0	0.0	1.5	1.5	2.9	7.4	7.4	8.8	11.8	16.2
75°	0.0	0.0	1.5	2.9	4.4	7.4	7.4	7.4	8.8	10.3
77.5°	0.0	0.0	1.5	2.9	4.4	7.4	5.9	7.4	7.4	7.4
80°	0.0	0.0	1.5	2.9	4.4	7.4	8.8	7.4	5.9	5.9
82.5°	0.0	0.0	1.5	4.4	4.4	10.3	10.3	10.3	4.4	4.4
85°	0.0	0.0	2.9	4.4	7.4	11.8	11.8	8.8	4.4	2.9
87.5°	0.0	0.0	1.5	2.9	2.9	5.9	8.8	7.4	2.9	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637796
 CATALOG NUMBER: IFLD-M-SA4A-722-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
13704.2	0°	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2	13704.2
13576.0	2.5°	13685.0	13648.2	13717.5	13726.3	13696.8	13660.0	13574.5	13567.2	13418.4
13275.4	5°	13425.7	13365.3	13409.5	13439.0	13428.7	13388.9	13353.5	13321.1	13187.0
12787.7	7.5°	12942.4	12920.3	12941.0	12963.1	13005.8	12963.1	12948.3	12914.4	12781.8
12307.4	10°	12406.1	12364.9	12443.0	12432.6	12420.9	12409.1	12347.2	12353.1	12196.9
11653.2	12.5°	11747.5	11678.3	11753.4	11762.2	11753.4	11712.1	11642.9	11672.4	11529.4
10769.2	15°	10862.0	10854.6	10909.1	10944.5	10969.5	10925.3	10901.8	10916.5	10831.0
9631.7	17.5°	9774.6	9870.4	10048.7	10109.1	10110.5	10156.2	10143.0	10125.3	10061.9
8371.9	20°	8495.7	8679.9	8953.9	9235.3	9316.4	9278.1	9260.4	9292.8	9198.5
7188.8	22.5°	7315.5	7473.1	7791.4	8202.5	8439.7	8463.3	8458.9	8430.9	8394.0
6241.4	25°	6313.6	6453.5	6758.5	7134.3	7589.5	7657.3	7660.3	7651.4	7619.0
5382.4	27.5°	5467.8	5637.3	5805.2	6141.2	6625.9	6905.9	6870.5	6860.2	6848.4
4657.5	30°	4701.7	4915.3	5073.0	5282.2	5716.8	6095.5	6132.3	6114.7	6086.7
4057.8	32.5°	4094.6	4221.3	4421.7	4563.2	4875.5	5304.3	5445.7	5432.5	5407.4
3517.0	35°	3567.1	3617.2	3774.9	3932.5	4140.3	4555.8	4765.0	4735.5	4731.1
2865.8	37.5°	2938.0	3106.0	3192.9	3352.0	3497.9	3820.6	4109.3	4096.1	4097.6
2304.4	40°	2372.2	2469.4	2641.8	2775.9	2910.0	3145.7	3466.9	3475.8	3472.8
1784.3	42.5°	1821.1	1915.4	2096.7	2242.5	2361.9	2507.7	2814.2	2824.5	2837.8
1389.4	45°	1421.8	1482.3	1614.9	1766.6	1893.3	1981.7	2214.5	2280.8	2282.3
1077.1	47.5°	1103.6	1172.8	1267.1	1413.0	1536.8	1600.1	1769.6	1859.4	1855.0
826.6	50°	866.4	929.7	1006.3	1121.3	1255.3	1305.4	1430.7	1519.1	1514.7
623.3	52.5°	663.0	744.1	811.8	900.3	1031.4	1074.1	1164.0	1265.7	1250.9
456.8	55°	502.4	584.9	648.3	722.0	841.3	895.8	957.7	1038.8	1041.7
353.6	57.5°	378.7	464.1	521.6	596.7	686.6	747.0	794.2	881.1	879.6
241.6	60°	271.1	344.8	414.0	492.1	561.4	630.6	663.0	745.5	748.5
170.9	62.5°	196.0	265.2	331.5	399.3	461.2	529.0	558.4	623.3	632.1
112.0	65°	137.0	185.6	262.3	313.8	383.1	433.2	471.5	527.5	537.8
66.3	67.5°	88.4	134.1	207.8	253.4	316.8	359.5	399.3	443.5	456.8
42.7	70°	53.0	101.7	154.7	203.3	260.8	299.1	337.4	375.7	383.1
20.6	72.5°	33.9	70.7	112.0	165.0	209.2	250.5	284.4	312.4	290.3
13.3	75°	19.2	48.6	88.4	129.7	169.4	209.2	237.2	252.0	201.9
8.8	77.5°	11.8	35.4	72.2	104.6	131.1	168.0	185.6	194.5	144.4
5.9	80°	7.4	26.5	60.4	85.5	85.5	123.8	144.4	151.8	104.6
4.4	82.5°	5.9	19.2	47.1	64.8	57.5	92.8	113.5	114.9	73.7
2.9	85°	4.4	14.7	29.5	42.7	39.8	64.8	66.3	73.7	48.6
2.9	87.5°	2.9	8.8	17.7	25.0	22.1	30.9	35.4	39.8	26.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
13704.2
13302.0
13079.5
12753.8
12143.9
11488.2
10727.9
9967.6
9130.7
8323.3
7510.0
6779.2
6051.3
5341.1
4682.5
4050.4
3421.3
2793.6
2244.0
1838.8
1514.7
1252.4
1041.7
876.7
741.1
629.1
534.8
455.3
377.2
269.6
191.5
135.6
97.2
67.8
44.2
23.6
0.0

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