

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: P637802

Luminaire Tested: **IFLD-L-SA7B-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637802
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22119 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

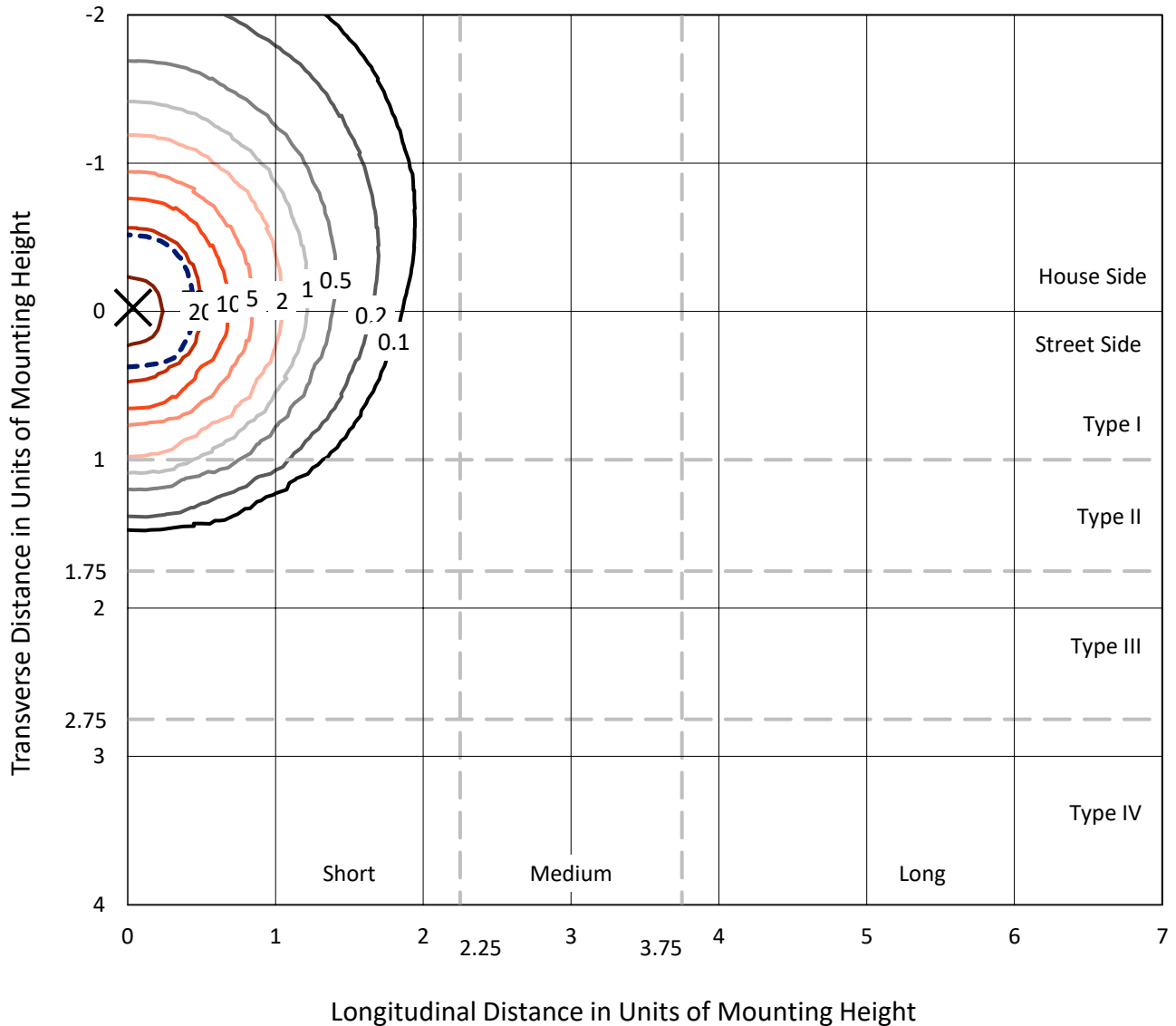
Input Watts (W): 281
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

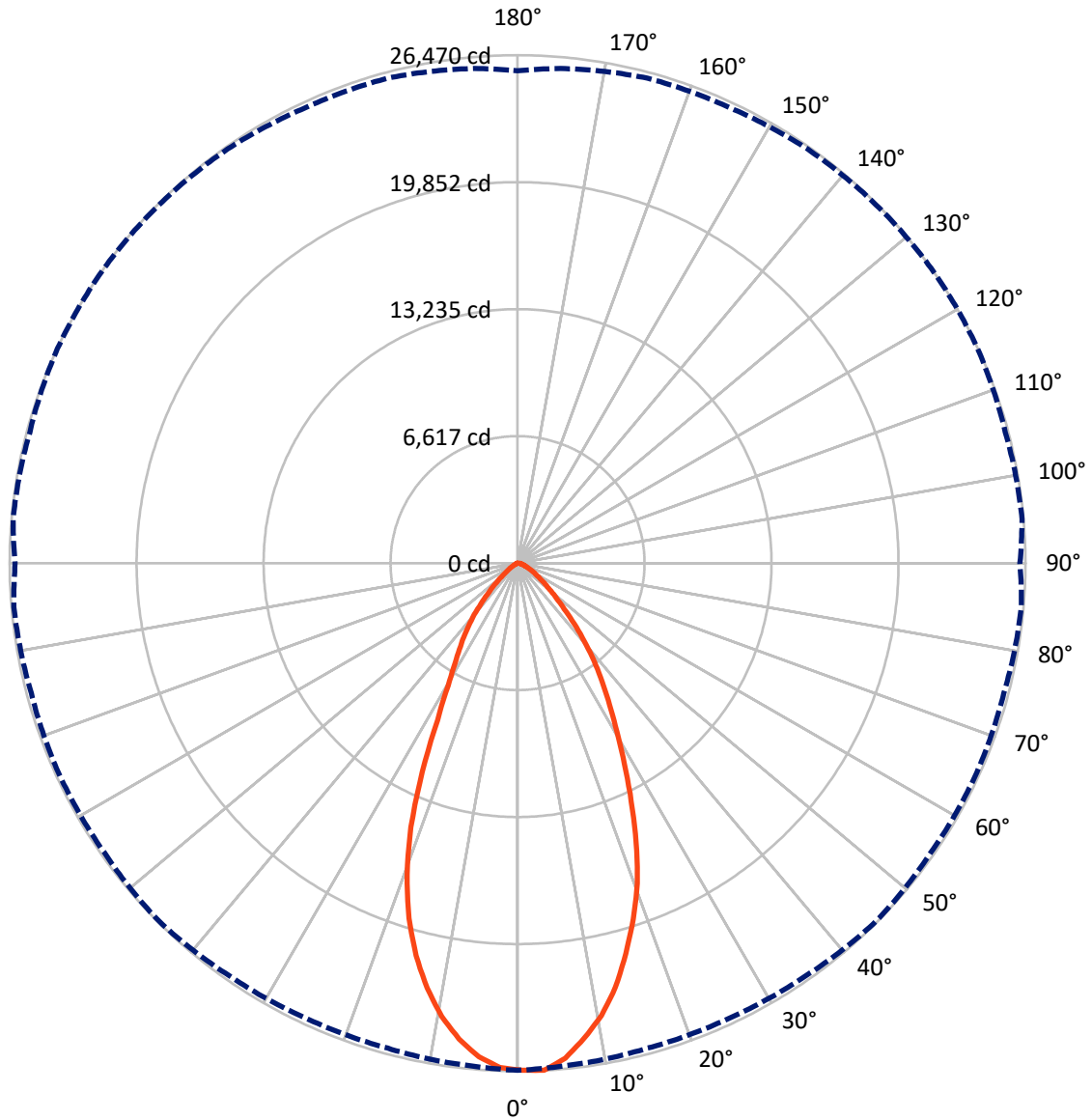
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 66.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12551.2	0.0	12551.2
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	9567.8	0.0	9567.8
	% Fixture	43.3	0.0	43.3
Total	Lumens	22119.0	0.0	22119.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2399.7	10.8
10°-20°	5720.2	25.9
20°-30°	5826.0	26.3
30°-40°	4344.4	19.6
40°-50°	2269.6	10.3
50°-60°	954.6	4.3
60°-70°	389.9	1.8
70°-80°	164.1	0.7
80°-90°	50.5	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°	22119.0	100.0
0°-180°	22119.0	100.0



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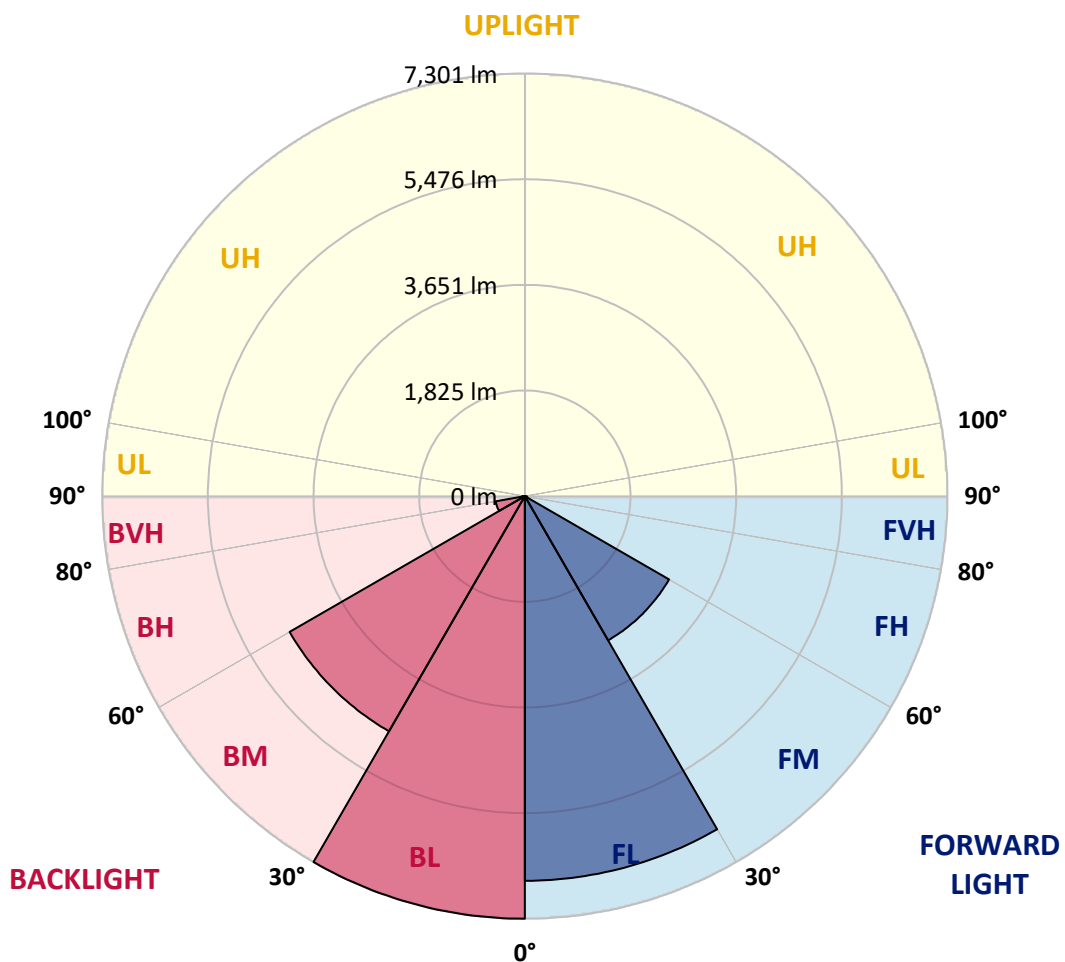
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6644.8	30.0			
FM (30°-60°)	2876.7	13.0			
FH (60°-80°)	41.6	0.2			G0/660
FVH (80°-90°)	4.7	0.0			G0/10
BL (0°-30°)	7301.0	33.0	B5		
BM (30°-60°)	4692.0	21.2	B3/5000		
BH (60°-80°)	512.3	2.3	B2/1000		G2/1000
BVH (80°-90°)	45.9	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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9
2.5°	26429.7	26321.8	26168.3	26154.1	26233.7	26407.0	26296.2	26301.9	26233.7	26350.2
5°	26014.9	25912.6	25807.5	25668.3	25784.7	25858.6	25801.8	25739.3	25651.2	25764.9
7.5°	25230.7	25173.9	25017.6	24955.1	25026.1	25108.5	24986.3	24969.3	24847.1	24994.9
10°	24031.7	24008.9	23855.5	23818.6	23881.1	24006.1	23952.1	23940.7	23864.0	23849.8
12.5°	22787.2	22699.1	22508.7	22497.4	22591.1	22778.7	22633.8	22494.5	22537.1	22574.1
15°	19582.2	19488.4	19960.1	20701.7	21090.9	21076.7	21119.3	20951.7	20900.6	20917.6
17.5°	15567.5	15408.3	15578.8	16726.7	18576.4	19650.4	19354.9	18994.1	18800.8	18673.0
20°	13436.5	13445.0	13413.8	13709.2	14862.8	17312.0	17241.0	16544.9	16292.0	16186.9
22.5°	12140.9	12092.5	12024.4	12118.1	12427.8	13865.5	14828.7	14189.4	14101.3	13984.9
25°	10870.8	10870.8	10788.4	10882.2	10970.2	10990.1	11956.2	12217.6	12047.1	12047.1
27.5°	9771.2	9714.4	9677.4	9720.1	9603.6	9043.8	9166.0	10504.3	10387.8	10316.7
30°	8680.2	8663.1	8600.6	8657.4	8225.5	7594.8	7339.1	8864.8	8987.0	8961.4
32.5°	7165.7	7233.9	7512.4	7600.5	6861.7	6353.1	6108.8	7359.0	7847.7	7827.8
35°	4870.0	4926.8	5245.0	6296.3	5688.3	5324.6	5253.6	5853.1	6657.2	6733.9
37.5°	3878.4	3869.8	3960.8	4148.3	4571.6	4483.6	4463.7	4619.9	5429.7	5463.8
40°	3196.5	3185.1	3182.2	3028.8	2923.7	3727.8	3673.8	3580.0	4281.8	4350.0
42.5°	2577.1	2588.4	2596.9	2261.7	2108.2	2875.4	2844.1	2747.5	3358.4	3438.0
45°	2023.0	2020.2	2037.2	1684.9	1642.3	1838.3	2125.3	2048.6	2534.4	2619.7
47.5°	1048.4	1085.4	1315.5	1304.2	1324.0	1304.2	1608.2	1588.3	1906.5	2042.9
50°	704.6	716.0	735.9	738.7	1042.8	960.4	1091.1	1236.0	1335.4	1545.7
52.5°	545.5	554.1	502.9	471.7	639.3	710.3	716.0	855.2	931.9	1145.0
55°	304.0	341.0	366.5	369.4	352.3	525.6	522.8	633.6	693.3	835.3
57.5°	39.8	48.3	73.9	238.7	235.8	292.7	366.5	460.3	494.4	610.9
60°	2.8	5.7	8.5	36.9	156.3	170.5	250.0	287.0	343.8	429.0
62.5°	0.0	0.0	2.8	8.5	31.3	99.4	130.7	150.6	201.7	281.3
65°	0.0	0.0	2.8	5.7	11.4	36.9	51.1	82.4	119.3	173.3
67.5°	0.0	0.0	2.8	5.7	8.5	14.2	22.7	36.9	62.5	105.1
70°	0.0	0.0	2.8	5.7	8.5	11.4	17.0	22.7	34.1	56.8
72.5°	0.0	0.0	2.8	2.8	5.7	14.2	14.2	17.0	22.7	31.3
75°	0.0	0.0	2.8	5.7	8.5	14.2	14.2	14.2	17.0	19.9
77.5°	0.0	0.0	2.8	5.7	8.5	14.2	11.4	14.2	14.2	14.2
80°	0.0	0.0	2.8	5.7	8.5	14.2	17.0	14.2	11.4	11.4
82.5°	0.0	0.0	2.8	8.5	8.5	19.9	19.9	19.9	8.5	8.5
85°	0.0	0.0	5.7	8.5	14.2	22.7	22.7	17.0	8.5	5.7
87.5°	0.0	0.0	2.8	5.7	5.7	11.4	17.0	14.2	5.7	2.8
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°
26426.9	0°	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9	26426.9
26179.7	2.5°	26389.9	26318.9	26452.5	26469.5	26412.7	26341.6	26176.8	26162.6	25875.7
25600.1	5°	25889.9	25773.4	25858.6	25915.4	25895.6	25818.8	25750.7	25688.1	25429.6
24659.6	7.5°	24957.9	24915.3	24955.1	24997.7	25080.1	24997.7	24969.3	24903.9	24648.2
23733.3	10°	23923.7	23844.1	23994.7	23974.8	23952.1	23929.4	23810.0	23821.4	23520.2
22471.8	12.5°	22653.6	22520.1	22665.0	22682.1	22665.0	22585.4	22451.9	22508.7	22233.1
20767.0	15°	20946.0	20931.8	21036.9	21105.1	21153.4	21068.2	21022.7	21051.2	20886.4
18573.5	17.5°	18849.1	19033.8	19377.6	19494.1	19497.0	19585.0	19559.5	19525.4	19403.2
16144.2	20°	16382.9	16738.1	17266.5	17809.2	17965.5	17891.6	17857.5	17920.0	17738.2
13862.7	22.5°	14107.0	14411.0	15024.8	15817.5	16274.9	16320.4	16311.9	16257.9	16186.9
12035.7	25°	12174.9	12444.9	13033.0	13757.5	14635.5	14766.2	14771.9	14754.8	14692.3
10379.2	27.5°	10544.0	10870.8	11194.7	11842.5	12777.3	13317.1	13249.0	13229.1	13206.3
8981.3	30°	9066.6	9478.6	9782.6	10186.0	11024.2	11754.4	11825.5	11791.4	11737.4
7824.9	32.5°	7896.0	8140.3	8526.7	8799.5	9401.8	10228.7	10501.4	10475.9	10427.6
6782.2	35°	6878.8	6975.4	7279.4	7583.4	7984.0	8785.3	9188.7	9131.9	9123.4
5526.3	37.5°	5665.5	5989.4	6157.1	6463.9	6745.2	7367.5	7924.4	7898.8	7901.6
4443.8	40°	4574.5	4762.0	5094.4	5353.0	5611.6	6066.2	6685.6	6702.6	6696.9
3440.8	42.5°	3511.8	3693.7	4043.2	4324.5	4554.6	4835.9	5426.9	5446.8	5472.3
2679.3	45°	2741.8	2858.3	3114.1	3406.7	3651.1	3821.5	4270.5	4398.3	4401.2
2077.0	47.5°	2128.1	2261.7	2443.5	2724.8	2963.5	3085.6	3412.4	3585.7	3577.2
1594.0	50°	1670.7	1792.9	1940.6	2162.2	2420.8	2517.4	2758.9	2929.4	2920.9
1201.9	52.5°	1278.6	1434.9	1565.6	1736.0	1988.9	2071.3	2244.6	2440.7	2412.3
880.8	55°	968.9	1128.0	1250.2	1392.2	1622.4	1727.5	1846.8	2003.1	2008.8
681.9	57.5°	730.2	895.0	1005.8	1150.7	1324.0	1440.5	1531.5	1699.1	1696.3
466.0	60°	522.8	664.9	798.4	949.0	1082.5	1216.1	1278.6	1437.7	1443.4
329.6	62.5°	377.9	511.4	639.3	770.0	889.3	1020.0	1076.9	1201.9	1218.9
215.9	65°	264.2	358.0	505.8	605.2	738.7	835.3	909.2	1017.2	1037.1
127.9	67.5°	170.5	258.6	400.6	488.7	610.9	693.3	770.0	855.2	880.8
82.4	70°	102.3	196.0	298.3	392.1	502.9	576.8	650.7	724.5	738.7
39.8	72.5°	65.3	136.4	215.9	318.2	403.5	483.0	548.4	602.4	559.7
25.6	75°	36.9	93.8	170.5	250.0	326.7	403.5	457.4	485.9	389.3
17.0	77.5°	22.7	68.2	139.2	201.7	252.9	323.9	358.0	375.1	278.4
11.4	80°	14.2	51.1	116.5	164.8	164.8	238.7	278.4	292.7	201.7
8.5	82.5°	11.4	36.9	90.9	125.0	110.8	179.0	218.8	221.6	142.1
5.7	85°	8.5	28.4	56.8	82.4	76.7	125.0	127.9	142.1	93.8
5.7	87.5°	5.7	17.0	34.1	48.3	42.6	59.7	68.2	76.7	51.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
26426.9
25651.2
25222.2
24594.2
23417.9
22153.6
20687.5
19221.4
17607.5
16050.5
14482.1
13072.8
11669.2
10299.7
9029.6
7810.7
6597.5
5387.1
4327.3
3545.9
2920.9
2415.1
2008.8
1690.6
1429.2
1213.2
1031.4
878.0
727.4
520.0
369.4
261.4
187.5
130.7
85.2
45.5
0.0

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