

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: P637794

Luminaire Tested: **IFLD-S-SA6D-722-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637794
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28398.3 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

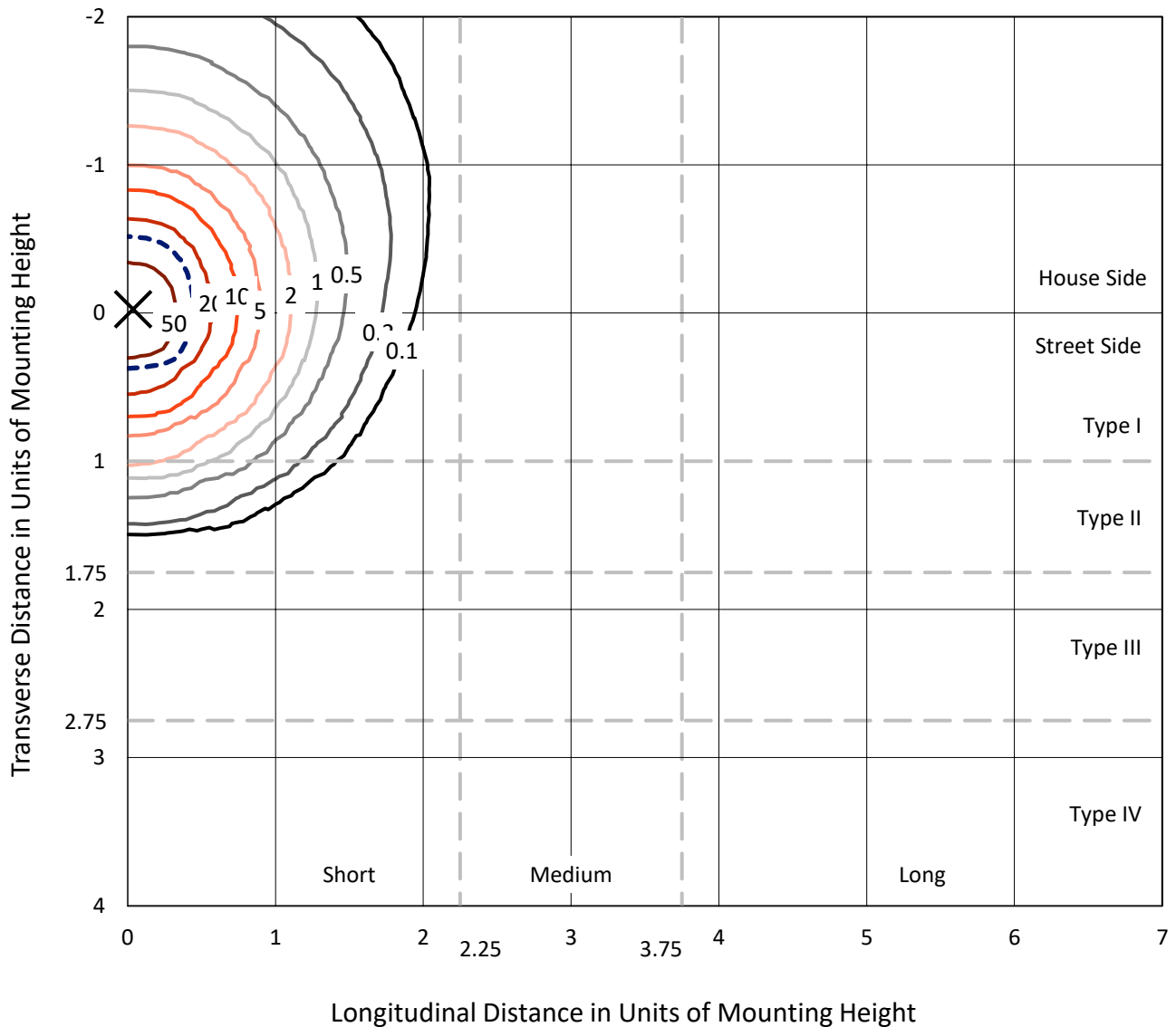
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

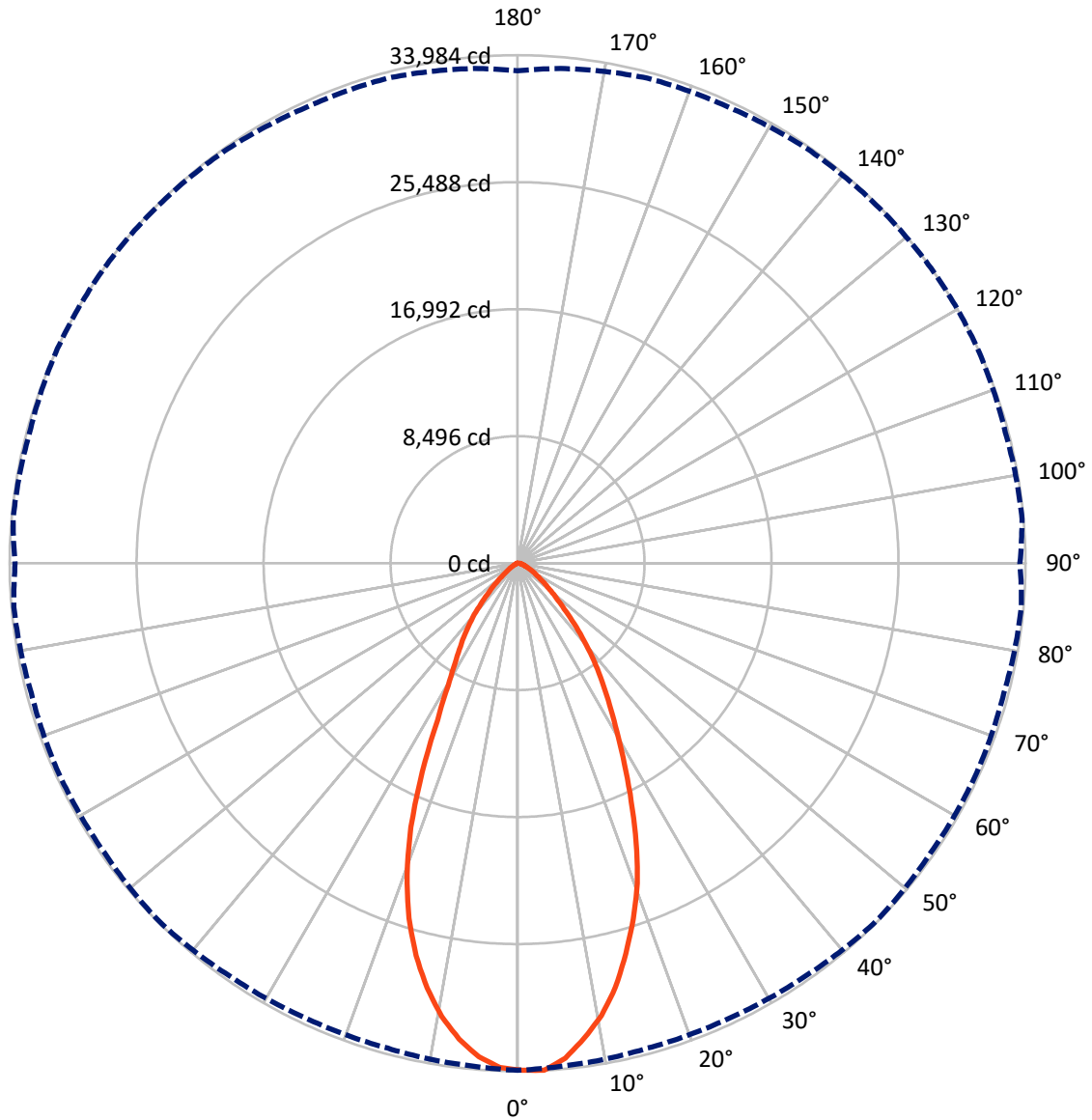
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 84.8 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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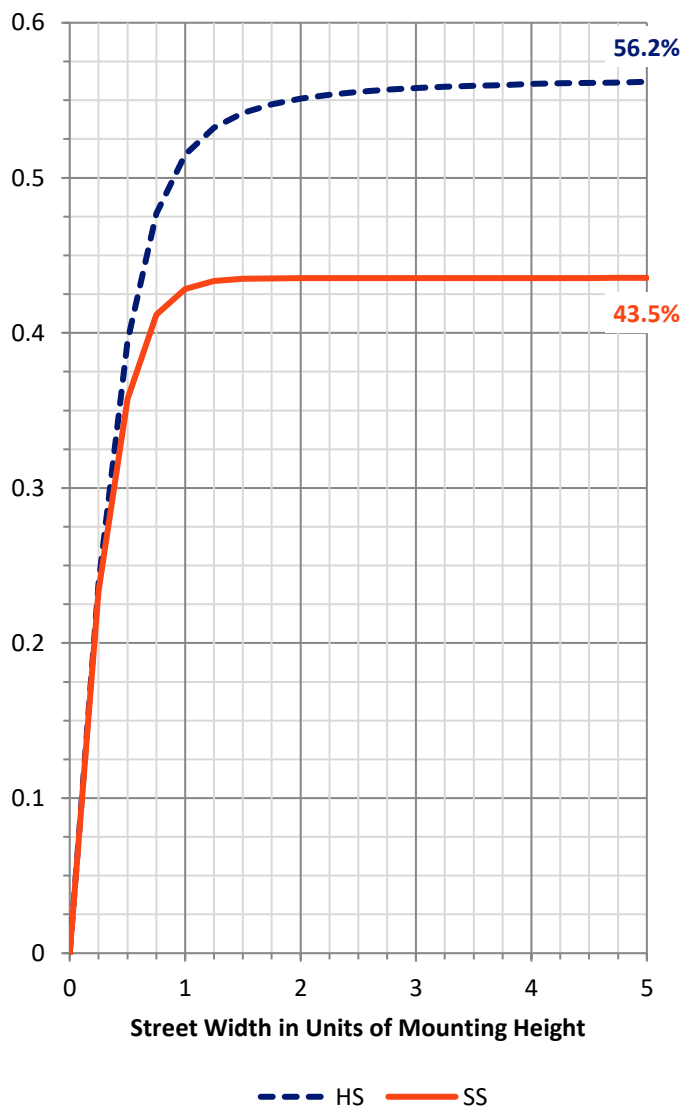
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16114.3	0.0	16114.3
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	12284.0	0.0	12284.0
	% Fixture	43.3	0.0	43.3
Total	Lumens	28398.3	0.0	28398.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3080.9	10.8
10°-20°	7344.1	25.9
20°-30°	7479.9	26.3
30°-40°	5577.7	19.6
40°-50°	2913.9	10.3
50°-60°	1225.6	4.3
60°-70°	500.5	1.8
70°-80°	210.6	0.7
80°-90°	64.9	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°	28398.3	100.0
0°-180°	28398.3	100.0



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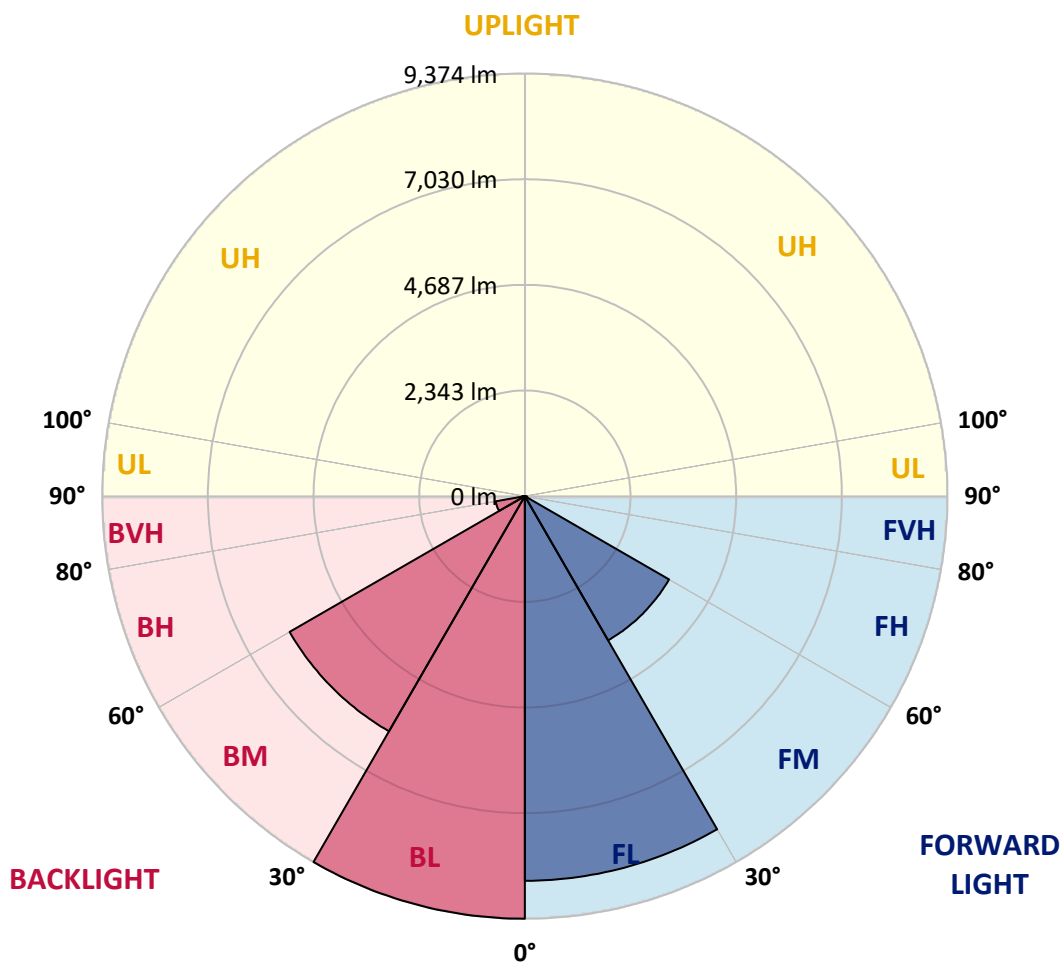
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	8531.2	30.0			
FM (30°-60°)	3693.3	13.0			
FH (60°-80°)	53.4	0.2			G0/660
FVH (80°-90°)	6.0	0.0			G0/10
BL (0°-30°)	9373.7	33.0	B5		
BM (30°-60°)	6024.0	21.2	B4/8500		
BH (60°-80°)	657.8	2.3	B2/1000		G2/1000
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-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1
2.5°	33932.7	33794.1	33597.1	33578.9	33681.0	33903.6	33761.3	33768.6	33681.0	33830.6
5°	33400.1	33268.8	33133.8	32955.1	33104.7	33199.5	33126.6	33046.3	32933.2	33079.1
7.5°	32393.3	32320.4	32119.7	32039.5	32130.7	32236.5	32079.6	32057.7	31900.9	32090.6
10°	30853.9	30824.7	30627.7	30580.3	30660.6	30821.1	30751.8	30737.2	30638.7	30620.4
12.5°	29256.1	29143.1	28898.6	28884.0	29004.4	29245.2	29059.1	28880.4	28935.1	28982.5
15°	25141.3	25020.9	25626.5	26578.6	27078.3	27060.1	27114.8	26899.6	26833.9	26855.8
17.5°	19986.8	19782.5	20001.4	21475.2	23850.0	25228.9	24849.5	24386.2	24138.1	23974.0
20°	17250.9	17261.8	17221.7	17601.1	19082.2	22226.6	22135.4	21241.7	20917.0	20782.1
22.5°	15587.5	15525.5	15437.9	15558.3	15955.9	17801.7	19038.4	18217.6	18104.5	17954.9
25°	13956.9	13956.9	13851.1	13971.4	14084.5	14110.1	15350.4	15686.0	15467.1	15467.1
27.5°	12545.1	12472.2	12424.7	12479.5	12329.9	11611.3	11768.1	13486.3	13336.7	13245.5
30°	11144.3	11122.4	11042.2	11115.1	10560.7	9750.8	9422.5	11381.4	11538.3	11505.5
32.5°	9200.0	9287.5	9645.0	9758.1	8809.7	8156.7	7843.0	9448.1	10075.5	10050.0
35°	6252.5	6325.5	6734.0	8083.7	7303.1	6836.2	6745.0	7514.7	8547.0	8645.5
37.5°	4979.4	4968.4	5085.2	5325.9	5869.5	5756.4	5730.8	5931.5	6971.1	7014.9
40°	4103.9	4089.3	4085.6	3888.7	3753.7	4786.0	4716.7	4596.4	5497.4	5584.9
42.5°	3308.6	3323.2	3334.2	2903.7	2706.7	3691.7	3651.5	3527.5	4311.8	4414.0
45°	2597.3	2593.7	2615.5	2163.2	2108.5	2360.2	2728.6	2630.1	3253.9	3363.4
47.5°	1346.1	1393.5	1689.0	1674.4	1699.9	1674.4	2064.7	2039.2	2447.7	2622.8
50°	904.7	919.3	944.8	948.5	1338.8	1233.0	1400.8	1586.8	1714.5	1984.5
52.5°	700.4	711.3	645.7	605.6	820.8	912.0	919.3	1098.0	1196.5	1470.1
55°	390.3	437.7	470.6	474.2	452.3	674.9	671.2	813.5	890.1	1072.5
57.5°	51.1	62.0	94.8	306.4	302.8	375.7	470.6	591.0	634.7	784.3
60°	3.6	7.3	10.9	47.4	200.6	218.9	321.0	368.4	441.4	550.8
62.5°	0.0	0.0	3.6	10.9	40.1	127.7	167.8	193.3	259.0	361.1
65°	0.0	0.0	3.6	7.3	14.6	47.4	65.7	105.8	153.2	222.5
67.5°	0.0	0.0	3.6	7.3	10.9	18.2	29.2	47.4	80.3	135.0
70°	0.0	0.0	3.6	7.3	10.9	14.6	21.9	29.2	43.8	73.0
72.5°	0.0	0.0	3.6	3.6	7.3	18.2	18.2	21.9	29.2	40.1
75°	0.0	0.0	3.6	7.3	10.9	18.2	18.2	18.2	21.9	25.5
77.5°	0.0	0.0	3.6	7.3	10.9	18.2	14.6	18.2	18.2	18.2
80°	0.0	0.0	3.6	7.3	10.9	18.2	21.9	18.2	14.6	14.6
82.5°	0.0	0.0	3.6	10.9	10.9	25.5	25.5	25.5	10.9	10.9
85°	0.0	0.0	7.3	10.9	18.2	29.2	29.2	21.9	10.9	7.3
87.5°	0.0	0.0	3.6	7.3	7.3	14.6	21.9	18.2	7.3	3.6
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°
33929.1	0°	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1	33929.1
33611.7	2.5°	33881.7	33790.5	33961.9	33983.8	33910.9	33819.7	33608.1	33589.8	33221.4
32867.6	5°	33239.6	33090.1	33199.5	33272.5	33246.9	33148.4	33060.9	32980.6	32648.7
31660.1	7.5°	32043.1	31988.4	32039.5	32094.2	32200.0	32094.2	32057.7	31973.8	31645.5
30470.9	10°	30715.3	30613.2	30806.5	30781.0	30751.8	30722.6	30569.4	30584.0	30197.3
28851.2	12.5°	29084.7	28913.2	29099.3	29121.2	29099.3	28997.1	28825.7	28898.6	28544.8
26662.5	15°	26892.3	26874.1	27009.0	27096.6	27158.6	27049.2	26990.8	27027.3	26815.7
23846.3	17.5°	24200.1	24437.3	24878.7	25028.2	25031.9	25145.0	25112.1	25068.3	24911.5
20727.4	20°	21033.8	21489.8	22168.3	22865.0	23065.7	22970.8	22927.0	23007.3	22773.8
17798.1	22.5°	18111.8	18502.1	19290.1	20307.8	20895.2	20953.5	20942.6	20873.3	20782.1
15452.5	25°	15631.2	15977.8	16732.9	17663.1	18790.3	18958.1	18965.4	18943.5	18863.3
13325.8	27.5°	13537.3	13956.9	14372.7	15204.4	16404.6	17097.7	17010.1	16984.6	16955.4
11531.0	30°	11640.4	12169.4	12559.7	13077.7	14153.8	15091.4	15182.5	15138.8	15069.5
10046.3	32.5°	10137.5	10451.2	10947.3	11297.5	12070.9	13132.4	13482.6	13449.8	13387.8
8707.5	35°	8831.6	8955.6	9345.9	9736.2	10250.6	11279.3	11797.3	11724.3	11713.4
7095.2	37.5°	7273.9	7689.8	7905.0	8299.0	8660.1	9459.0	10174.0	10141.2	10144.8
5705.3	40°	5873.1	6113.9	6540.7	6872.6	7204.6	7788.3	8583.5	8605.4	8598.1
4417.6	42.5°	4508.8	4742.3	5191.0	5552.1	5847.6	6208.7	6967.5	6993.0	7025.8
3440.0	45°	3520.2	3669.8	3998.1	4373.8	4687.5	4906.4	5482.8	5646.9	5650.6
2666.6	47.5°	2732.3	2903.7	3137.2	3498.3	3804.8	3961.6	4381.1	4603.6	4592.7
2046.5	50°	2145.0	2301.8	2491.5	2776.0	3108.0	3232.0	3542.1	3761.0	3750.0
1543.1	52.5°	1641.6	1842.2	2010.0	2228.9	2553.5	2659.3	2881.8	3133.5	3097.1
1130.8	55°	1243.9	1448.2	1605.1	1787.5	2082.9	2217.9	2371.1	2571.8	2579.1
875.5	57.5°	937.5	1149.1	1291.4	1477.4	1699.9	1849.5	1966.2	2181.4	2177.8
598.3	60°	671.2	853.6	1025.1	1218.4	1389.8	1561.3	1641.6	1845.8	1853.1
423.2	62.5°	485.2	656.6	820.8	988.6	1141.8	1309.6	1382.6	1543.1	1564.9
277.2	65°	339.3	459.6	649.3	777.0	948.5	1072.5	1167.3	1305.9	1331.5
164.2	67.5°	218.9	332.0	514.4	627.4	784.3	890.1	988.6	1098.0	1130.8
105.8	70°	131.3	251.7	383.0	503.4	645.7	740.5	835.4	930.2	948.5
51.1	72.5°	83.9	175.1	277.2	408.6	518.0	620.1	704.0	773.4	718.6
32.8	75°	47.4	120.4	218.9	321.0	419.5	518.0	587.3	623.8	499.8
21.9	77.5°	29.2	87.5	178.7	259.0	324.7	415.9	459.6	481.5	357.5
14.6	80°	18.2	65.7	149.6	211.6	211.6	306.4	357.5	375.7	259.0
10.9	82.5°	14.6	47.4	116.7	160.5	142.3	229.8	280.9	284.5	182.4
7.3	85°	10.9	36.5	73.0	105.8	98.5	160.5	164.2	182.4	120.4
7.3	87.5°	7.3	21.9	43.8	62.0	54.7	76.6	87.5	98.5	65.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
33929.1
32933.2
32382.4
31576.2
30066.0
28442.7
26560.3
24678.0
22606.0
20607.0
18593.3
16784.0
14981.9
13223.6
11593.0
10028.1
8470.4
6916.4
5555.7
4552.6
3750.0
3100.7
2579.1
2170.5
1834.9
1557.7
1324.2
1127.2
933.9
667.6
474.2
335.6
240.8
167.8
109.4
58.4
0.0

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