

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: P637267

Luminaire Tested: **IFLD-S-SA3D-722-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637267
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-722-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16558.2 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

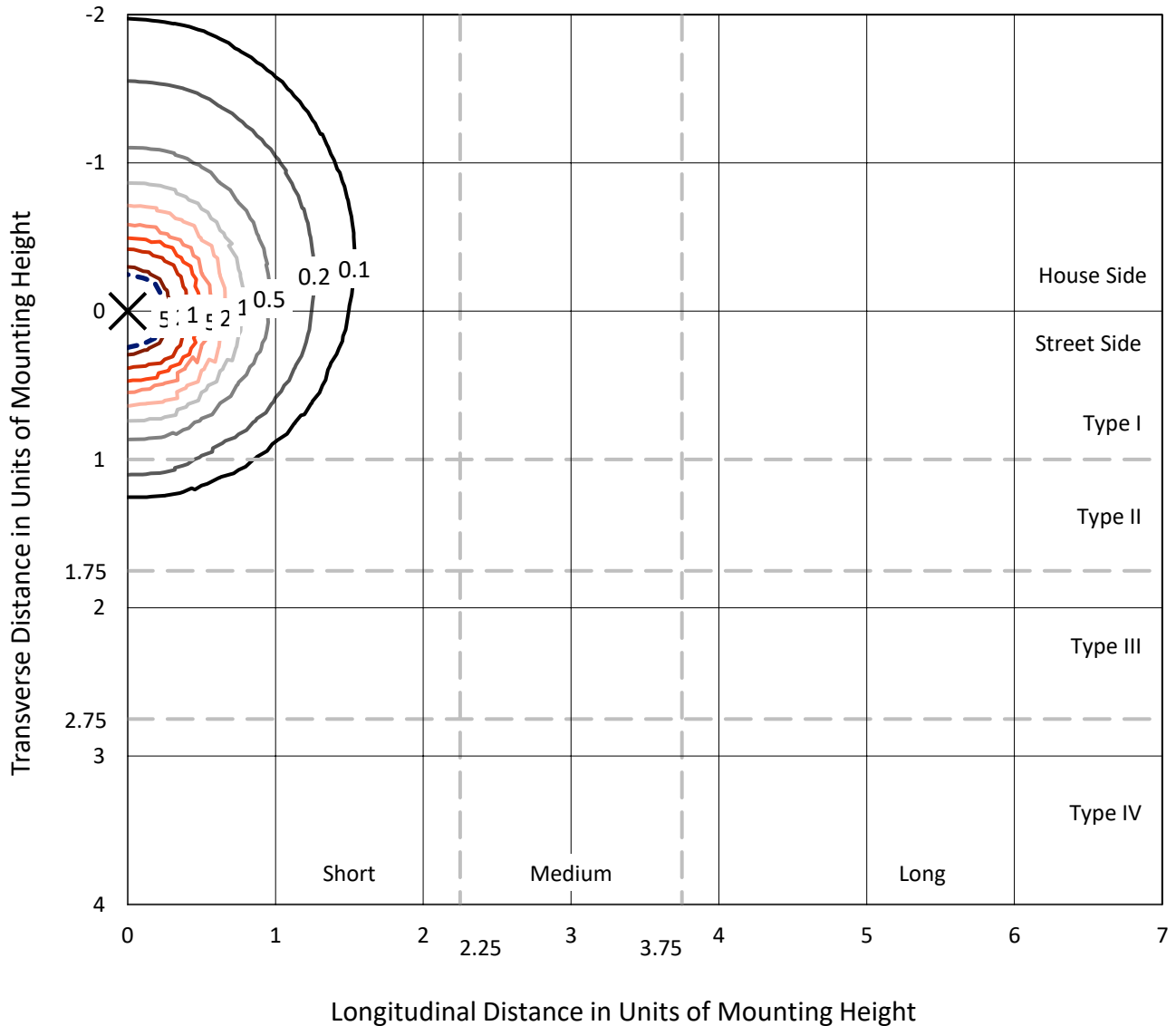
Input Watts (W): 184.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P637267
 CATALOG NUMBER: IFLD-S-SA3D-722-U-44-VI

Iso-Footcandle Lines of Horizontal Illumination

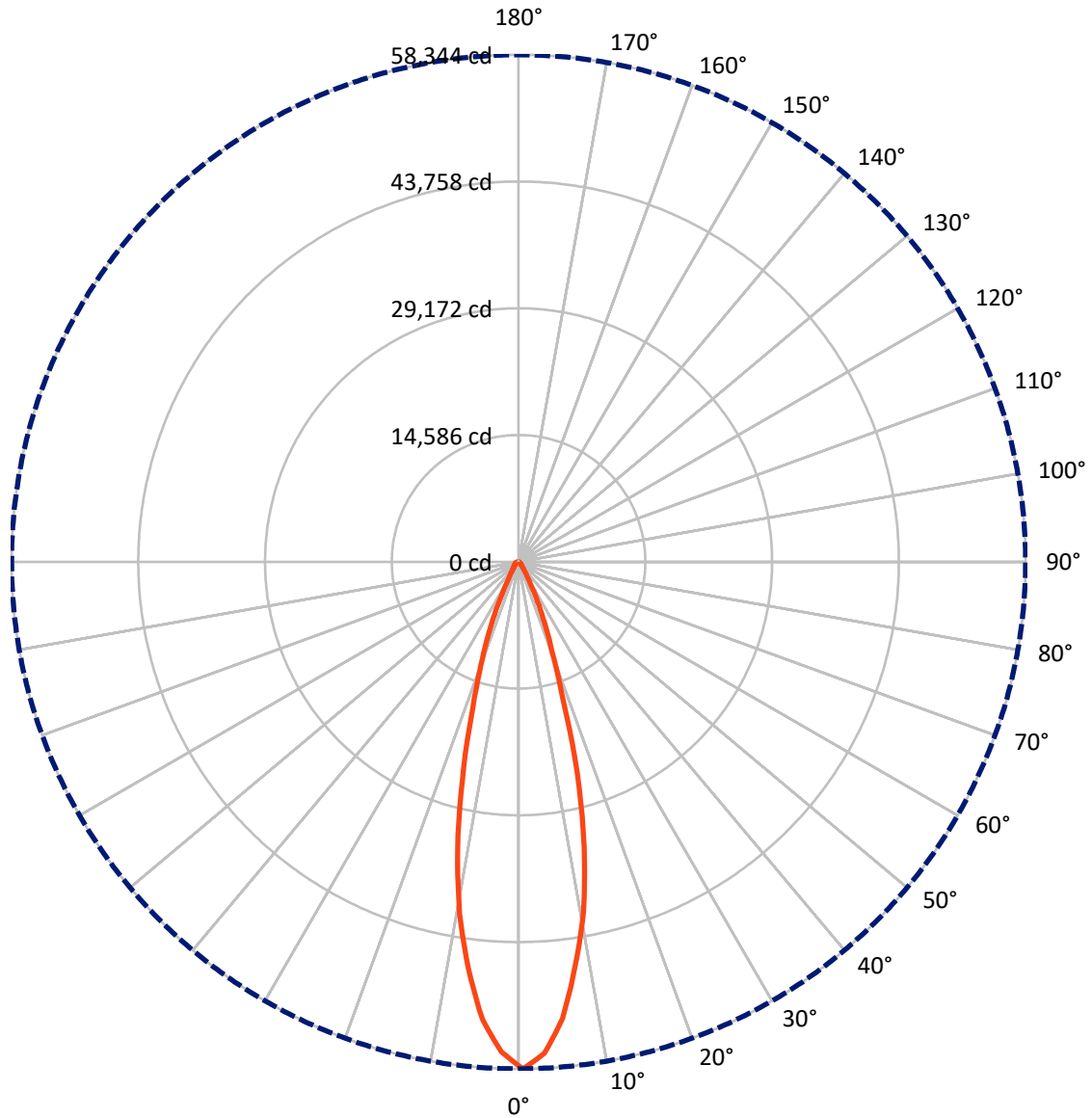
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 145.9 fc
 Type V - Short - N/A

REPORT NUMBER: P637267
CATALOG NUMBER: IFLD-S-SA3D-722-U-44-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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 CATALOG NUMBER: IFLD-S-SA3D-722-U-44-VI

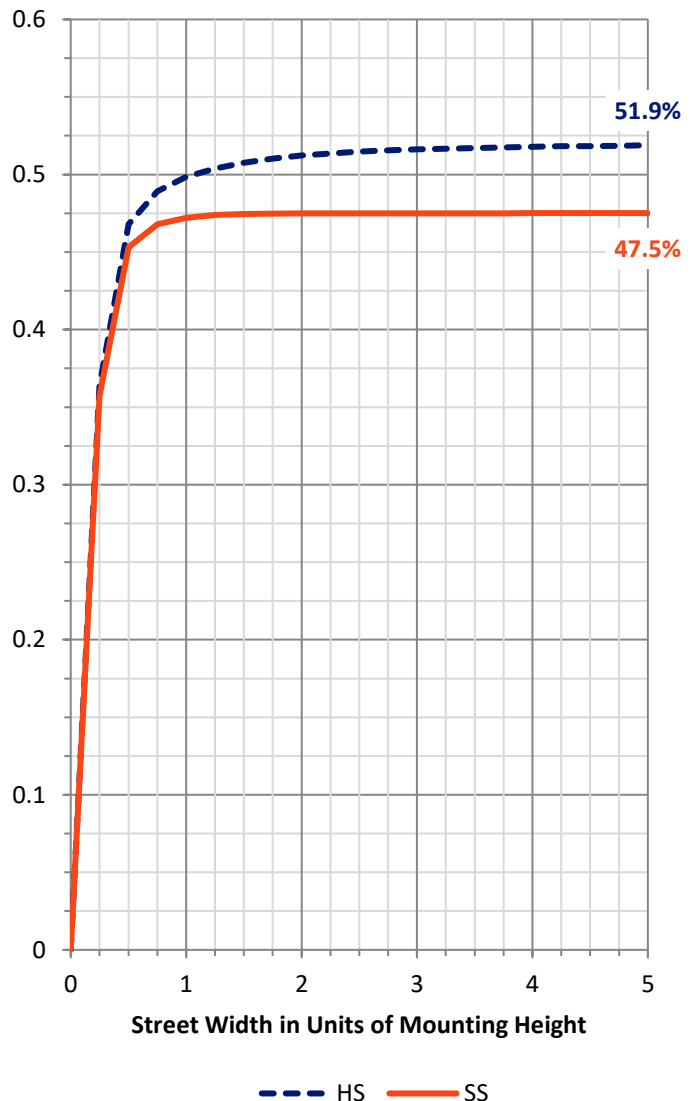
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8730.6	0.0	8730.6
	% Fixture	52.7	0.0	52.7
Street Side	Lumens	7827.6	0.0	7827.6
	% Fixture	47.3	0.0	47.3
Total	Lumens	16558.2	0.0	16558.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4708.9	28.4
10°-20°	7131.6	43.1
20°-30°	3009.5	18.2
30°-40°	784.9	4.7
40°-50°	397.0	2.4
50°-60°	259.5	1.6
60°-70°	155.5	0.9
70°-80°	81.8	0.5
80°-90°	29.5	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°	16558.2	100.0
0°-180°	16558.2	100.0

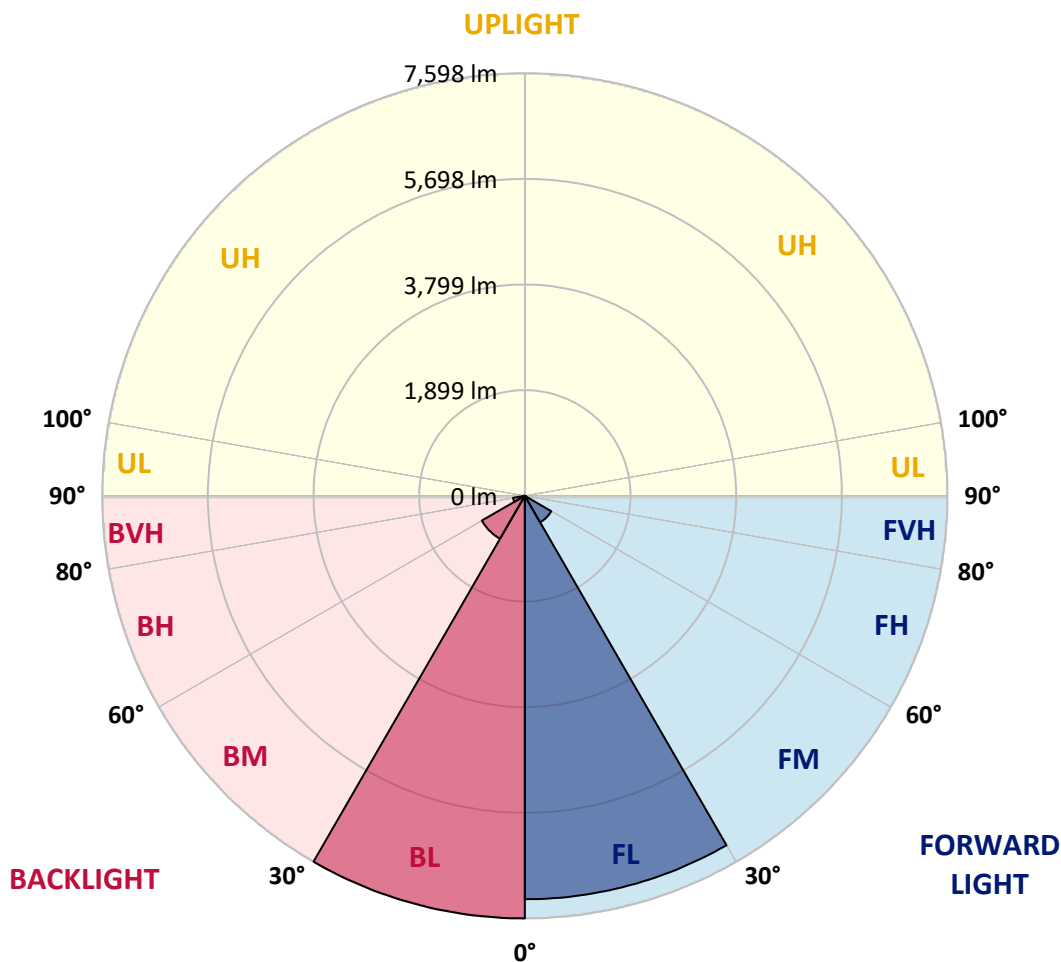


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7252.4	43.8			
FM (30°-60°)	549.2	3.3			
FH (60°-80°)	22.4	0.1			G0/660
FVH (80°-90°)	3.6	0.0			G0/10
BL (0°-30°)	7597.6	45.9	B5		
BM (30°-60°)	892.2	5.4	B1/1000		
BH (60°-80°)	214.9	1.3	B1/500		G0/660
BVH (80°-90°)	26.0	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





REPORT NUMBER: P637267
 CATALOG NUMBER: IFLD-S-SA3D-722-U-44-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9
2.5°	56644.3	56675.9	56558.8	56811.7	56614.6	57142.7	56880.5	57289.6	57152.0	57380.7
5°	52776.5	52724.5	52691.0	53083.4	52969.9	53537.1	53174.5	53055.5	53423.6	53356.7
7.5°	46935.8	47073.4	46995.3	47097.6	47155.2	47802.4	48006.9	47847.0	47852.6	47945.5
10°	40948.2	40745.5	40457.3	40648.8	41054.2	41336.8	41223.4	41457.7	41405.6	41626.9
12.5°	33580.8	33740.8	33579.0	33407.9	34116.4	34038.3	34235.4	34363.7	34042.0	34757.9
15°	25294.9	25378.6	25575.7	25562.6	26107.5	26217.2	26191.2	26326.9	26075.9	26194.9
17.5°	16250.2	16532.9	17062.8	17959.1	18967.0	19084.1	19054.4	18942.8	18821.9	18688.0
20°	10915.3	10885.6	11077.1	11339.3	13425.6	13977.9	13961.2	13611.6	13105.8	13009.1
22.5°	7646.3	7702.1	7676.0	7936.4	8367.8	9890.7	9702.9	9347.7	9182.2	9074.4
25°	5030.0	5009.5	5139.7	5217.8	5587.8	5773.8	6432.0	6300.0	6045.3	6073.2
27.5°	3066.3	3092.4	3140.7	3207.6	3469.8	3410.3	3786.0	3836.2	3754.3	3666.9
30°	1881.8	1900.4	1939.5	1987.8	2078.9	2013.8	2118.0	2298.4	2268.6	2207.2
32.5°	1277.5	1279.3	1307.2	1325.8	1314.7	1253.3	1286.8	1457.9	1461.6	1456.0
35°	918.6	918.6	944.6	959.5	927.9	877.7	883.3	989.3	1035.7	1045.0
37.5°	634.1	636.0	680.6	725.2	689.9	676.9	654.5	725.2	799.6	810.7
40°	481.6	479.8	502.1	535.5	539.3	515.1	522.5	567.1	643.4	652.7
42.5°	390.5	392.4	403.5	399.8	401.7	433.3	444.4	464.9	535.5	552.3
45°	329.1	331.0	336.6	318.0	310.5	358.9	373.8	384.9	444.4	464.9
47.5°	271.5	275.2	280.8	260.3	256.6	288.2	314.3	325.4	377.5	399.8
50°	195.2	199.0	219.4	208.3	219.4	226.9	262.2	278.9	314.3	344.0
52.5°	141.3	145.0	150.6	152.5	180.4	184.1	210.1	236.2	252.9	286.4
55°	111.6	115.3	111.6	107.9	132.0	152.5	161.8	189.7	202.7	241.7
57.5°	63.2	66.9	72.5	83.7	87.4	117.1	126.4	150.6	161.8	199.0
60°	11.2	13.0	20.5	50.2	61.4	74.4	94.8	115.3	130.2	156.2
62.5°	1.9	1.9	3.7	11.2	35.3	52.1	68.8	81.8	94.8	119.0
65°	0.0	0.0	1.9	3.7	9.3	29.8	37.2	48.3	65.1	85.5
67.5°	0.0	0.0	1.9	3.7	5.6	11.2	16.7	29.8	37.2	57.6
70°	0.0	0.0	1.9	3.7	5.6	7.4	9.3	13.0	22.3	35.3
72.5°	0.0	0.0	1.9	3.7	5.6	7.4	9.3	11.2	11.2	22.3
75°	0.0	0.0	1.9	3.7	5.6	9.3	11.2	11.2	9.3	9.3
77.5°	0.0	0.0	1.9	3.7	7.4	11.2	13.0	11.2	7.4	7.4
80°	0.0	0.0	3.7	5.6	9.3	13.0	16.7	13.0	7.4	3.7
82.5°	0.0	0.0	3.7	7.4	9.3	14.9	20.5	16.7	7.4	3.7
85°	0.0	0.0	1.9	5.6	11.2	14.9	20.5	14.9	7.4	1.9
87.5°	0.0	0.0	1.9	1.9	3.7	5.6	11.2	9.3	3.7	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P637267
 CATALOG NUMBER: IFLD-S-SA3D-722-U-44-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
58343.9	0°	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9	58343.9
56947.4	2.5°	57274.7	57572.2	57633.6	57551.7	57670.8	57456.9	57293.3	56869.3	56614.6
53336.2	5°	53680.3	53635.6	53946.2	54048.4	54035.4	53871.8	53643.1	53386.5	53137.3
47765.2	7.5°	48062.7	48120.3	48403.0	48583.3	48492.2	48287.7	48129.6	47936.2	47768.9
41706.9	10°	42088.1	41692.0	42043.5	42043.5	42287.1	41708.7	41762.7	41275.5	41297.8
34744.9	12.5°	34863.9	35007.1	35064.7	35230.2	34945.7	34638.9	34263.3	34188.9	33956.5
25968.0	15°	26341.8	26750.9	26399.4	27000.0	26710.0	26390.1	26332.5	25756.0	25938.3
18834.9	17.5°	18742.0	19193.8	19335.2	19679.2	19415.1	19225.4	18985.6	18810.8	18797.8
13185.8	20°	13289.9	13743.6	13847.8	14260.6	14230.8	14171.3	13968.6	13747.3	13507.5
8975.8	22.5°	9111.6	9481.6	9827.5	10383.5	10374.2	10199.4	10178.9	9866.5	9872.1
6063.9	25°	6127.1	6396.7	6478.5	7047.5	7110.8	7092.2	6986.2	6696.1	6805.8
3704.1	27.5°	3707.9	3944.0	4221.1	4421.9	4611.6	4581.8	4475.8	4314.1	4243.4
2225.8	30°	2285.3	2391.3	2493.6	2735.3	2848.8	2908.3	2858.1	2707.4	2718.6
1465.3	32.5°	1496.9	1586.2	1660.5	1813.0	1872.5	1982.2	1961.8	1930.2	1893.0
1054.3	35°	1091.5	1156.6	1206.8	1277.5	1353.7	1446.7	1461.6	1448.6	1433.7
814.5	37.5°	833.1	900.0	957.6	987.4	1046.9	1119.4	1160.3	1158.5	1147.3
663.8	40°	676.9	727.1	779.1	818.2	859.1	913.0	963.2	968.8	968.8
557.9	42.5°	565.3	608.1	660.1	701.0	730.8	781.0	833.1	836.8	833.1
472.3	45°	483.5	520.7	570.9	619.2	643.4	680.6	730.8	741.9	734.5
405.4	47.5°	420.2	453.7	496.5	548.6	574.6	608.1	654.5	667.6	665.7
349.6	50°	360.7	399.8	442.6	485.3	518.8	550.4	595.0	609.9	604.3
297.5	52.5°	318.0	353.3	390.5	437.0	476.0	503.9	539.3	565.3	557.9
251.0	55°	265.9	308.7	347.7	386.8	435.1	464.9	498.3	530.0	522.5
212.0	57.5°	230.6	265.9	310.5	345.9	394.2	429.5	463.0	496.5	494.6
172.9	60°	193.4	230.6	273.3	310.5	355.2	394.2	427.7	464.9	468.6
130.2	62.5°	152.5	197.1	234.3	277.1	321.7	364.5	394.2	431.4	437.0
98.6	65°	115.3	161.8	202.7	243.6	288.2	334.7	360.7	392.4	397.9
72.5	67.5°	85.5	124.6	172.9	210.1	256.6	301.2	325.4	351.4	360.7
44.6	70°	65.1	94.8	145.0	180.4	228.7	264.1	290.1	312.4	319.8
29.8	72.5°	40.9	74.4	117.1	154.3	197.1	228.7	247.3	260.3	271.5
16.7	75°	27.9	57.6	94.8	132.0	163.6	187.8	204.5	215.7	225.0
7.4	77.5°	16.7	44.6	78.1	109.7	130.2	148.8	165.5	172.9	178.5
5.6	80°	9.3	33.5	65.1	89.3	102.3	115.3	128.3	137.6	141.3
3.7	82.5°	5.6	26.0	52.1	68.8	74.4	87.4	100.4	106.0	106.0
1.9	85°	3.7	18.6	35.3	50.2	53.9	63.2	66.9	70.7	74.4
1.9	87.5°	3.7	11.2	22.3	27.9	29.8	33.5	35.3	39.0	42.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
58343.9
56426.7
52858.4
47201.7
41080.2
33744.5
25756.0
18451.9
13403.3
9764.3
6632.9
4182.0
2670.3
1880.0
1428.1
1141.7
957.6
829.3
734.5
662.0
600.6
556.0
526.2
496.5
470.5
440.7
403.5
364.5
323.6
269.6
223.1
176.7
137.6
104.1
72.5
40.9
0.0

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