

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: P637156

Luminaire Tested: **IFLD-S-SA6D-750-U-33-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637156
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-750-U-33-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46510.8 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

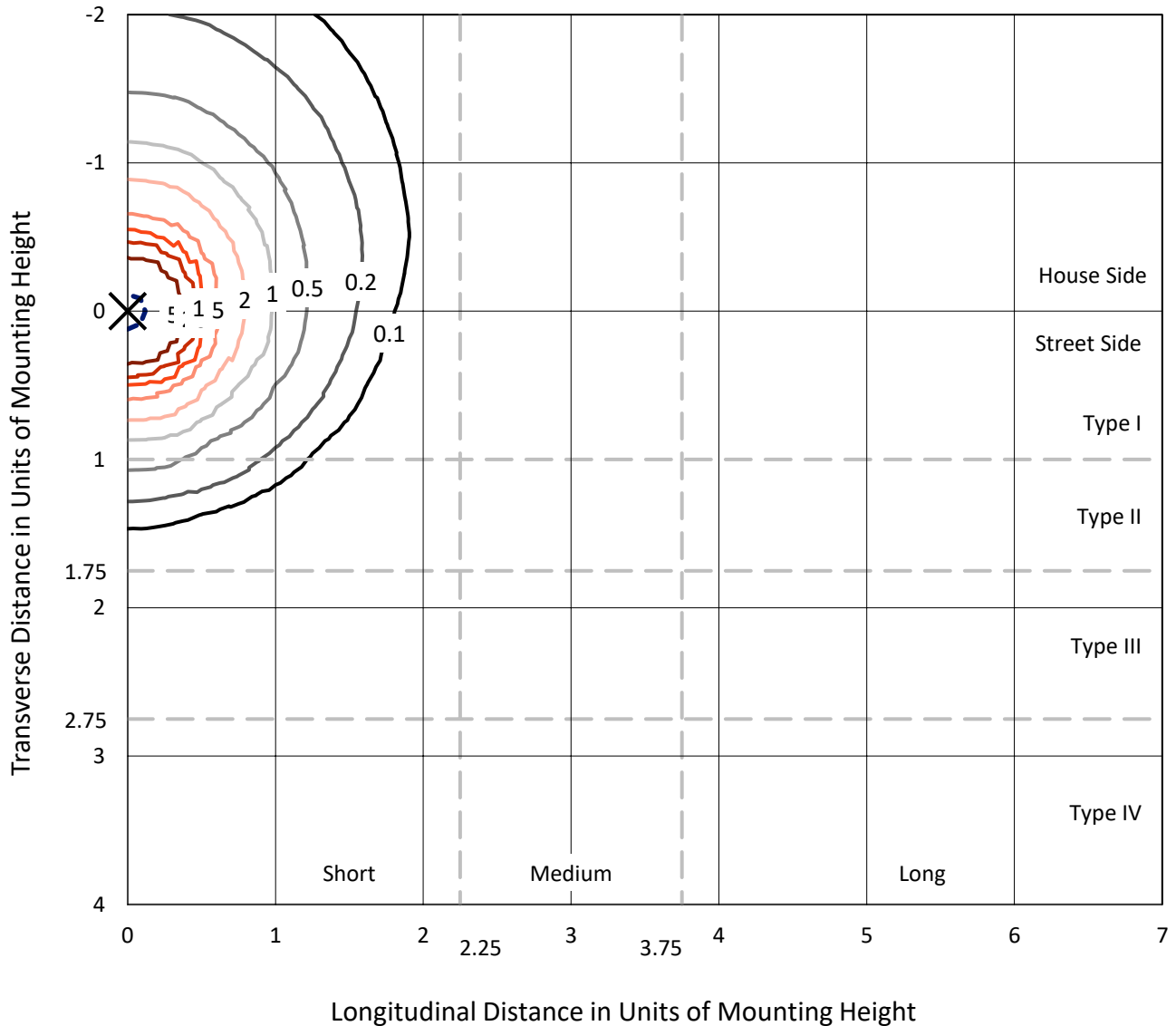
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

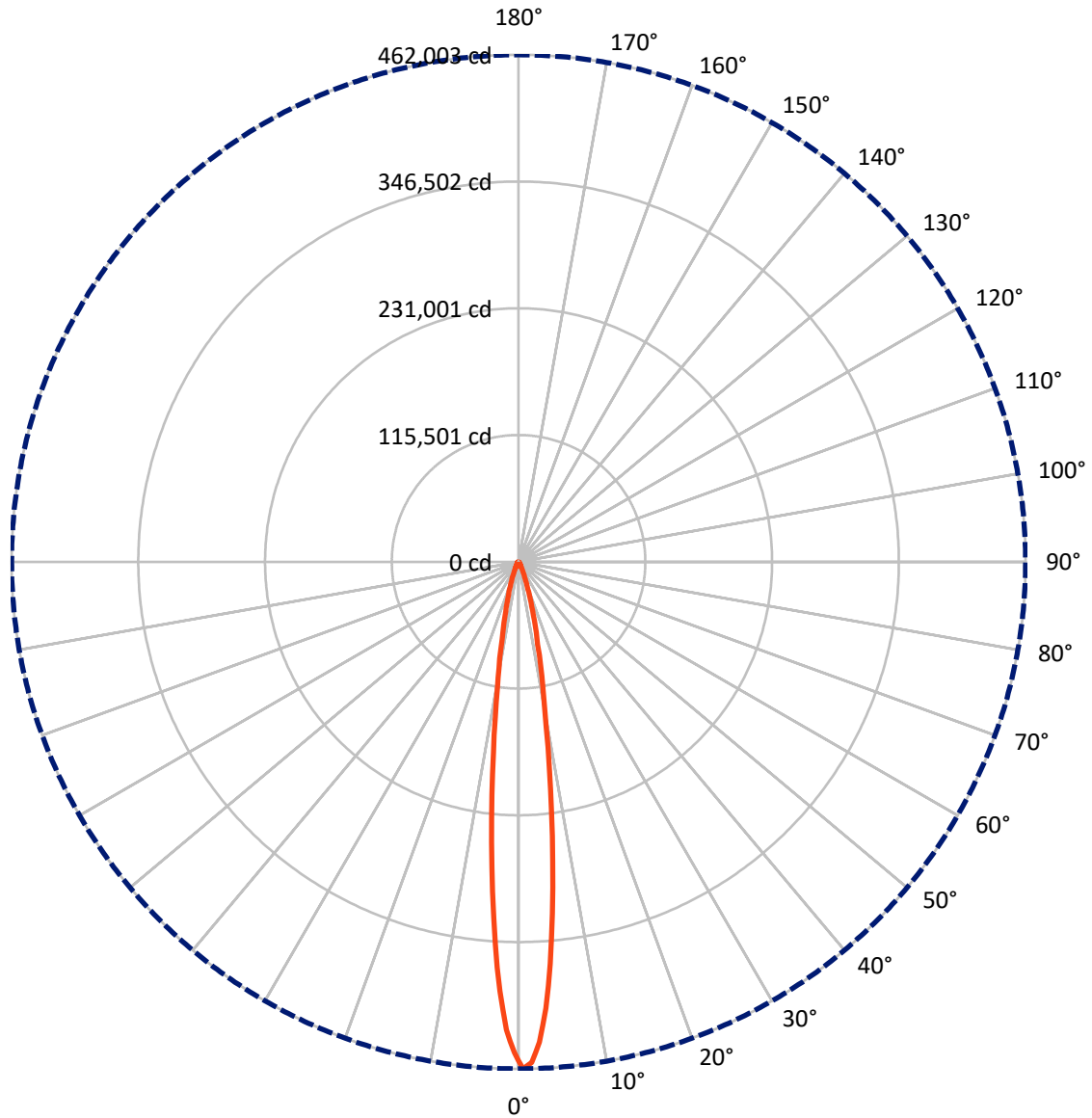
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1155 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	23822.0	0.0	23822.0
	% Fixture	51.2	0.0	51.2
Street Side	Lumens	22688.8	0.0	22688.8
	% Fixture	48.8	0.0	48.8
Total	Lumens	46510.8	0.0	46510.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23480.0	50.5
10°-20°	15031.8	32.3
20°-30°	4518.3	9.7
30°-40°	1471.2	3.2
40°-50°	856.0	1.8
50°-60°	568.6	1.2
60°-70°	342.2	0.7
70°-80°	175.9	0.4
80°-90°	66.8	0.1
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°	46510.8	100.0
0°-180°	46510.8	100.0

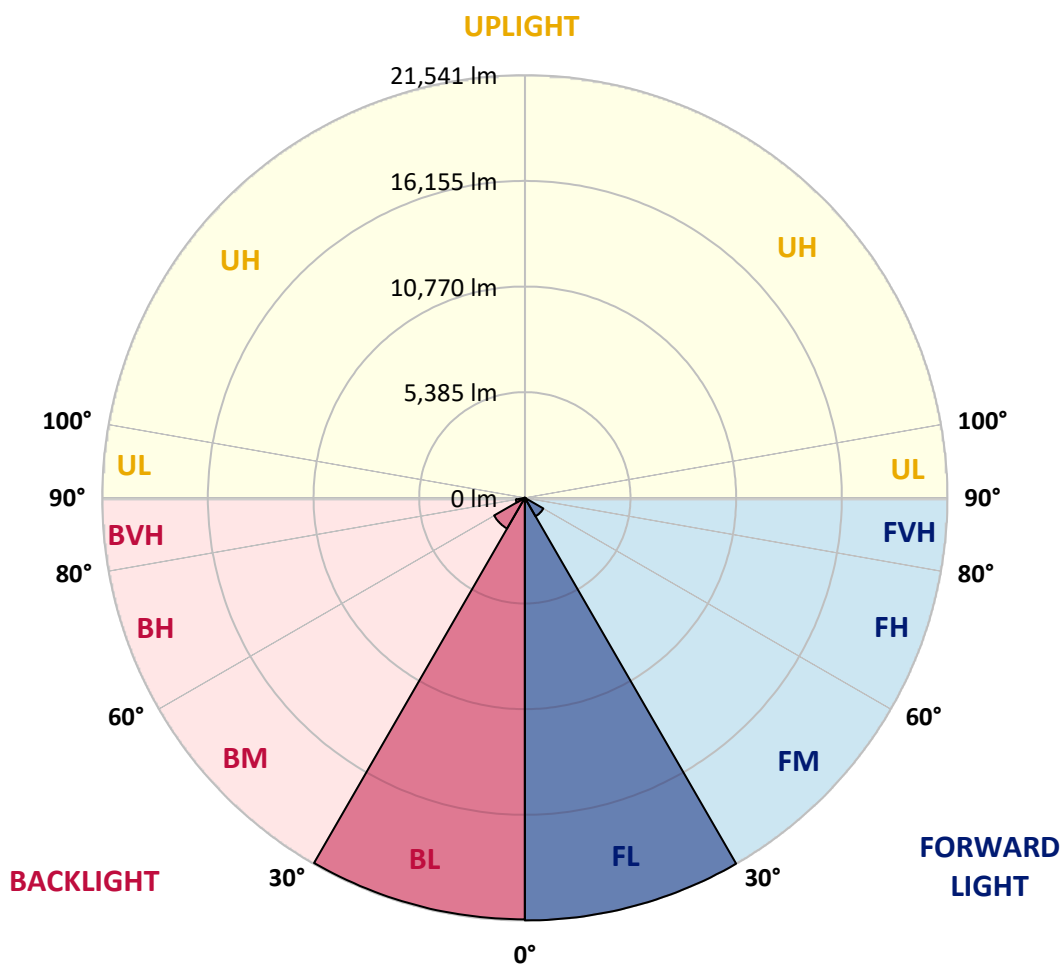


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	21540.6	46.3			
FM (30°-60°)	1087.0	2.3			
FH (60°-80°)	51.2	0.1			G0/660
FVH (80°-90°)	10.1	0.0			G1/100
BL (0°-30°)	21489.5	46.2	B5		
BM (30°-60°)	1808.7	3.9	B2/2500		
BH (60°-80°)	467.0	1.0	B1/500		G0/660
BVH (80°-90°)	56.7	0.1			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°	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9
1°	456471.1	455078.0	451481.3	454039.5	456288.7	455635.2	455589.6	455346.5	455007.1	457671.7
2°	438224.2	437322.5	432003.4	434196.9	437393.4	435063.2	436522.1	435240.5	435265.8	438447.1
3°	407464.9	407956.3	399471.1	403457.9	407900.5	402252.2	404005.0	407297.7	403847.9	402809.4
4°	367485.8	363220.5	358585.3	362637.9	363787.8	360500.2	363732.1	367764.5	362972.3	363185.0
5°	321843.3	318692.4	313206.2	315708.7	312856.6	313895.1	318738.0	320399.6	317056.1	312846.5
6°	274914.0	272675.0	265815.9	269422.8	268409.6	267822.0	273936.4	268870.6	270694.3	268146.2
7°	228673.7	224489.4	221120.7	224575.5	224798.4	223030.5	230968.5	230046.6	226728.5	225958.5
8°	189459.6	185285.4	182433.4	185006.8	186688.7	183912.6	187646.1	190097.9	187504.3	187737.3
9°	152808.8	152074.3	148107.8	151471.5	153300.2	150326.6	154460.3	155346.8	152920.3	154100.6
10°	125468.9	124612.8	121446.7	122809.4	125838.7	122292.7	126259.1	126547.9	124612.8	125164.9
12.5°	77536.6	77192.1	77106.0	77303.6	77263.1	77891.2	78904.4	77749.4	77597.4	75687.6
15°	50115.6	50627.3	50100.4	51113.6	51260.5	51853.2	51235.2	50303.1	48525.0	47643.5
17.5°	31276.0	31929.5	32831.2	34315.5	35799.8	35972.0	35151.3	34057.1	33196.0	32253.7
20°	17993.6	18312.7	18176.0	19954.1	23793.9	24837.4	23778.7	22628.8	21590.3	20637.9
22.5°	11180.1	11063.6	11276.4	11874.2	13125.4	16352.3	15486.0	14336.1	13581.3	12796.1
25°	6854.0	6980.6	6899.6	7228.8	7791.1	9158.9	9356.5	8860.0	8475.0	8069.8
27.5°	4412.3	4412.3	4447.7	4630.1	5015.1	4969.5	6023.2	5638.2	5430.5	5232.9
30°	3064.8	3074.9	3074.9	3181.3	3267.4	3115.4	3389.0	3885.4	3789.2	3637.2
32.5°	2274.5	2304.9	2330.3	2386.0	2315.1	2153.0	2218.8	2796.3	2740.6	2684.9
35°	1732.5	1757.8	1818.6	1849.0	1747.7	1646.4	1585.6	2056.7	2082.0	2066.8
37.5°	1261.4	1276.6	1388.0	1504.5	1388.0	1296.8	1261.4	1580.5	1702.1	1686.9
40°	967.6	972.6	992.9	1124.6	1124.6	1053.7	1063.8	1180.3	1393.1	1393.1
42.5°	830.8	830.8	851.0	830.8	835.9	911.8	937.2	952.4	1180.3	1180.3
45°	719.3	719.3	729.5	678.8	628.2	785.2	805.5	810.5	992.9	1018.2
47.5°	602.8	602.8	623.1	557.2	531.9	623.1	678.8	694.0	856.1	876.4
50°	445.8	450.9	511.6	455.9	471.1	481.2	587.6	597.8	724.4	770.0
52.5°	298.9	298.9	309.0	354.6	410.3	395.1	476.2	511.6	577.5	638.3
55°	243.2	243.2	238.1	228.0	303.9	329.3	349.5	425.5	471.1	547.1
57.5°	167.2	177.3	162.1	187.4	197.6	248.2	263.4	334.3	359.7	461.0
60°	20.3	25.3	35.5	136.8	131.7	167.2	197.6	263.4	293.8	354.6
62.5°	5.1	5.1	10.1	25.3	91.2	111.4	157.0	182.4	212.8	273.6
65°	0.0	0.0	5.1	10.1	20.3	60.8	81.1	106.4	152.0	192.5
67.5°	0.0	0.0	5.1	10.1	10.1	25.3	40.5	65.9	81.1	141.8
70°	0.0	0.0	5.1	10.1	10.1	20.3	25.3	30.4	55.7	76.0
72.5°	0.0	0.0	5.1	10.1	15.2	20.3	25.3	25.3	25.3	50.7
75°	0.0	0.0	5.1	10.1	15.2	20.3	25.3	25.3	20.3	20.3
77.5°	0.0	0.0	5.1	10.1	20.3	25.3	30.4	25.3	15.2	15.2
80°	0.0	0.0	5.1	15.2	25.3	35.5	40.5	30.4	15.2	10.1
82.5°	0.0	0.0	10.1	20.3	30.4	40.5	55.7	45.6	20.3	10.1
85°	0.0	0.0	5.1	15.2	30.4	40.5	81.1	55.7	25.3	5.1
87.5°	0.0	0.0	0.0	5.1	5.1	10.1	30.4	20.3	10.1	5.1
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°
462002.9	0°	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9	462002.9
454596.8	1°	457773.0	458092.1	457048.6	458664.6	458097.2	454774.1	453674.8	452372.9
436577.8	2°	435240.5	436866.6	436947.6	438740.9	438715.6	434840.3	433639.7	435853.4
404916.8	3°	403690.9	405585.5	403878.3	407064.7	406107.2	401406.2	400185.4	402698.0
364866.8	4°	363777.7	363418.0	362830.4	361016.9	363250.9	360044.2	357627.9	361037.1
318429.0	5°	317790.7	316990.3	315845.4	315308.5	316970.0	314918.4	309948.9	314928.5
272756.0	6°	273090.4	269645.6	269478.5	269179.6	269346.8	263602.2	263946.7	267654.8
223309.1	7°	225669.7	226303.0	225011.2	227083.1	225502.6	221612.1	220112.6	224018.3
188760.6	8°	187443.5	186643.1	185655.3	188750.4	186009.9	183456.7	181709.0	184794.1
154293.1	9°	154004.3	152621.4	151618.4	151461.3	151886.9	147094.6	148067.3	150402.6
125468.9	10°	125514.5	123245.0	123797.2	123944.1	123478.0	120337.3	120367.7	121173.1
76954.0	12.5°	76680.5	75566.0	75844.6	75996.6	76943.9	75839.6	74279.3	73154.7
48519.9	15°	48195.7	47395.3	49031.5	50130.8	49907.9	48925.2	48190.6	47172.4
32253.7	17.5°	31954.9	33003.5	33008.5	34011.6	34112.9	33130.1	32562.7	31645.8
20977.3	20°	20901.3	21337.0	22243.8	22953.0	23363.3	22613.6	21934.8	21306.6
13079.8	22.5°	13079.8	13839.7	14407.0	15329.0	15703.9	15156.8	14675.5	14163.9
8166.0	25°	8029.2	8571.3	9042.4	9842.8	10354.4	10091.0	9650.3	9290.6
5273.5	27.5°	5354.5	5582.5	5815.5	6367.7	6899.6	6752.7	6575.4	6357.5
3718.3	30°	3774.0	3794.3	4042.5	4351.5	4706.1	4797.3	4716.2	4604.8
2730.4	32.5°	2781.1	2862.2	2978.7	3171.2	3409.3	3627.1	3586.6	3535.9
2087.1	35°	2147.9	2269.5	2365.7	2512.6	2639.3	2847.0	2882.4	2867.2
1717.3	37.5°	1752.8	1859.1	1955.4	2041.5	2147.9	2289.7	2401.2	2406.2
1418.4	40°	1453.9	1550.1	1676.8	1742.6	1818.6	1925.0	2061.8	2071.9
1200.6	42.5°	1225.9	1317.1	1443.7	1524.8	1580.5	1681.8	1818.6	1838.9
1028.4	45°	1053.7	1109.4	1241.1	1337.4	1393.1	1458.9	1605.8	1626.1
886.5	47.5°	916.9	972.6	1053.7	1190.5	1241.1	1301.9	1418.4	1453.9
785.2	50°	805.5	861.2	932.1	1053.7	1129.7	1180.3	1276.6	1327.2
683.9	52.5°	714.3	770.0	846.0	942.2	1028.4	1073.9	1165.1	1231.0
557.2	55°	597.8	694.0	749.7	835.9	952.4	992.9	1063.8	1149.9
486.3	57.5°	521.8	602.8	683.9	754.8	871.3	922.0	992.9	1073.9
385.0	60°	440.7	516.7	613.0	673.7	785.2	851.0	927.0	1003.0
293.8	62.5°	349.5	450.9	516.7	602.8	709.2	795.3	856.1	932.1
228.0	65°	258.4	369.8	445.8	537.0	638.3	729.5	780.1	861.2
162.1	67.5°	187.4	288.7	379.9	466.1	562.3	653.5	704.1	775.1
101.3	70°	146.9	212.8	314.1	390.1	491.4	567.4	623.1	668.7
65.9	72.5°	86.1	162.1	253.3	339.4	430.6	481.2	521.8	562.3
30.4	75°	55.7	126.6	207.7	283.7	349.5	395.1	430.6	466.1
15.2	77.5°	35.5	91.2	167.2	238.1	268.5	324.2	354.6	374.9
10.1	80°	20.3	70.9	146.9	192.5	217.8	253.3	283.7	309.0
10.1	82.5°	15.2	60.8	121.6	162.1	162.1	202.6	217.8	217.8
5.1	85°	10.1	50.7	96.2	152.0	121.6	152.0	141.8	141.8
5.1	87.5°	10.1	35.5	45.6	65.9	55.7	65.9	65.9	76.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
462002.9
447215.9
426476.7
391538.1
348696.9
301808.2
256905.2
213395.4
175984.7
143107.9
115692.0
72470.8
46650.6
31417.9
21088.8
13890.3
9082.9
6230.9
4528.8
3495.4
2816.6
2370.8
2056.7
1823.7
1621.0
1458.9
1332.3
1231.0
1155.0
1079.0
1023.3
967.6
876.4
780.1
683.9
572.4
466.1
364.7
278.6
202.6
136.8
76.0
0.0

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