

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: P637880

Luminaire Tested: **IFLD-S-SA6C-735-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637880
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-735-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34557 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G2

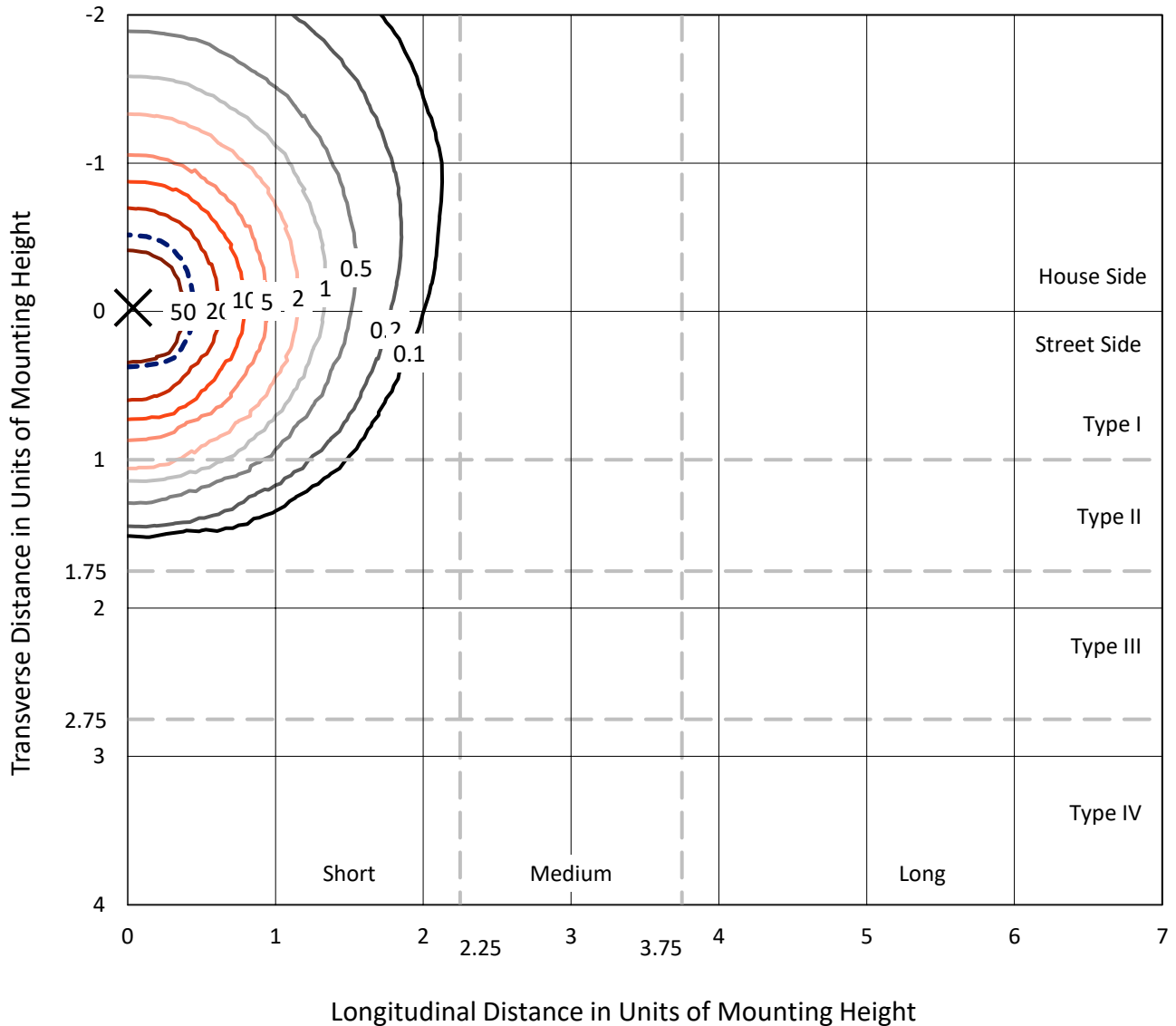
Input Watts (W): 321.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

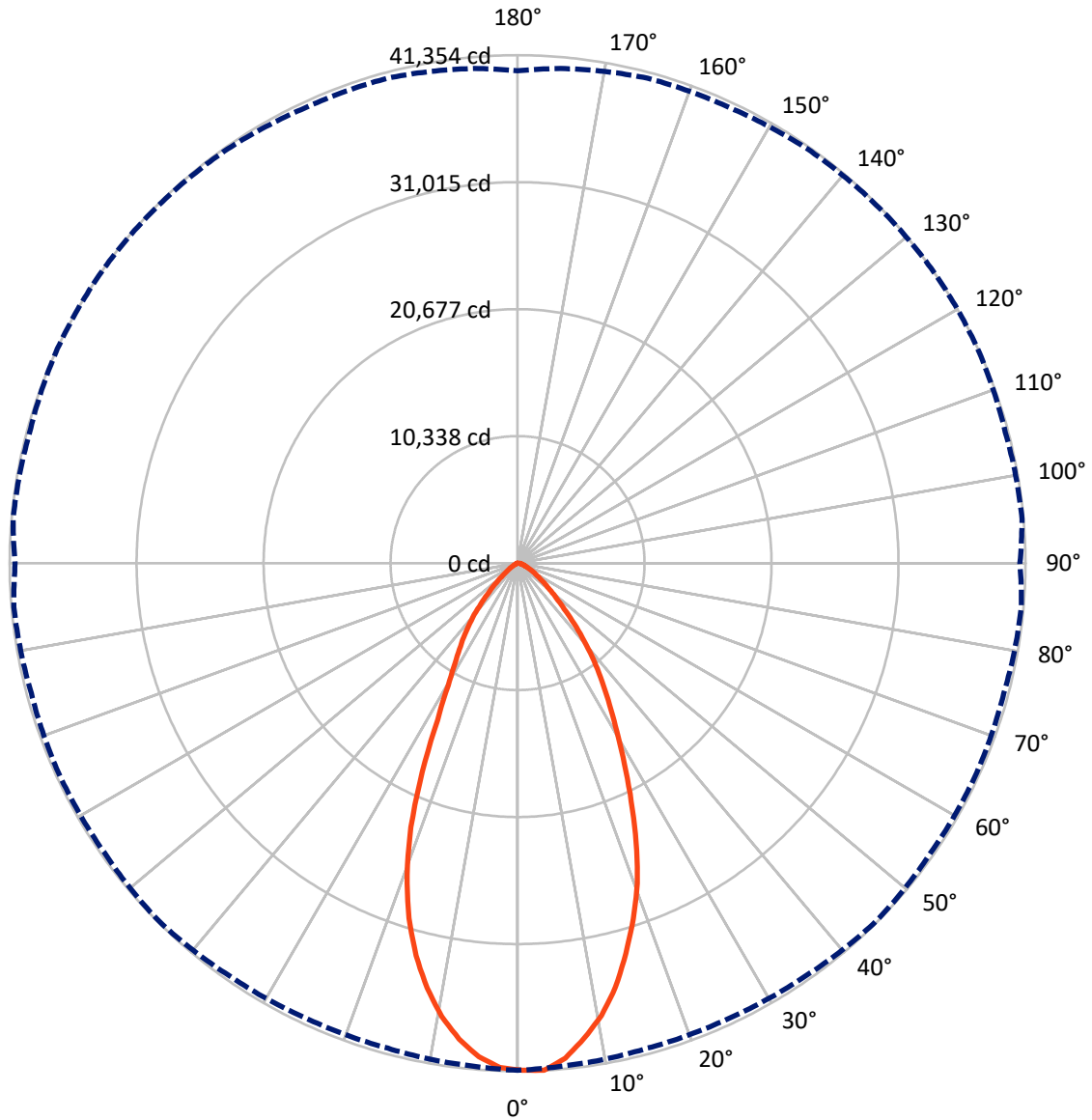
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 103.2 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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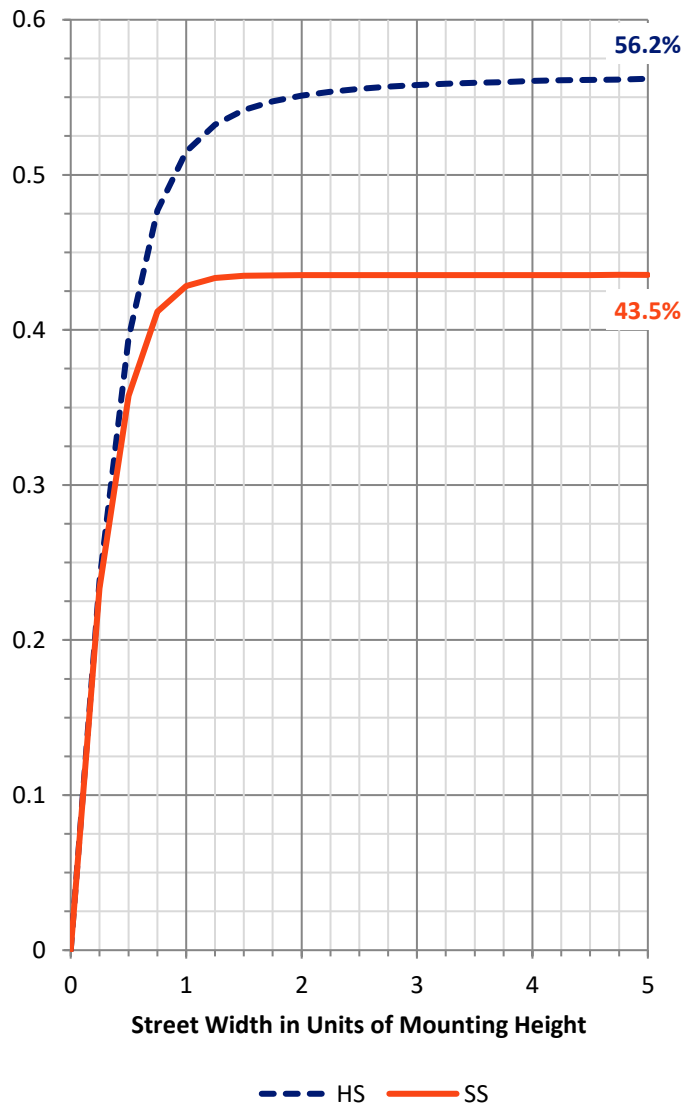
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19609.0	0.0	19609.0
	% Fixture	56.7	0.0	56.7
Street Side	Lumens	14948.0	0.0	14948.0
	% Fixture	43.3	0.0	43.3
Total	Lumens	34557.0	0.0	34557.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3749.0	10.8
10°-20°	8936.9	25.9
20°-30°	9102.0	26.3
30°-40°	6787.4	19.6
40°-50°	3545.9	10.3
50°-60°	1491.4	4.3
60°-70°	609.1	1.8
70°-80°	256.3	0.7
80°-90°	79.0	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°	34557.0	100.0
0°-180°	34557.0	100.0



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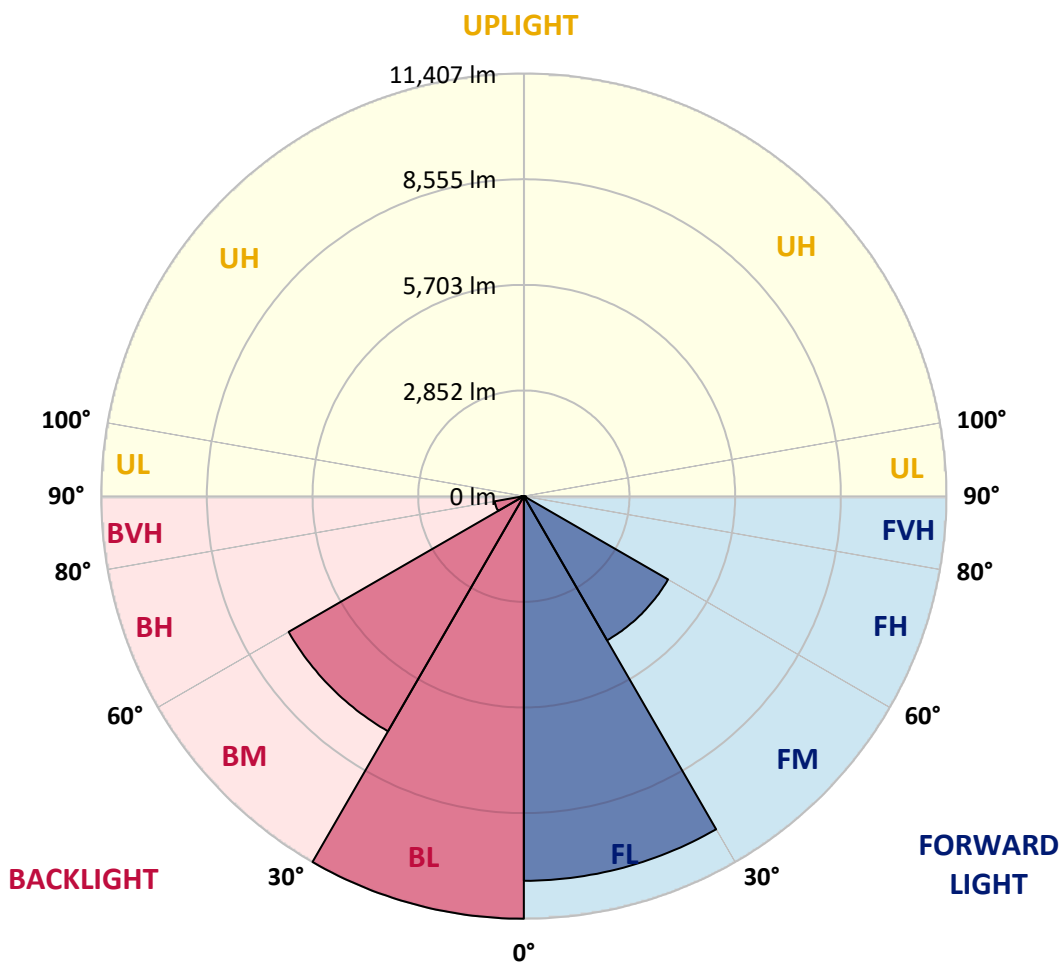
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10381.4	30.0			
FM (30°-60°)	4494.3	13.0			
FH (60°-80°)	65.0	0.2			G0/660
FVH (80°-90°)	7.3	0.0			G0/10
BL (0°-30°)	11406.6	33.0	B5		
BM (30°-60°)	7330.4	21.2	B4/8500		
BH (60°-80°)	800.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	71.6	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°	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2
2.5°	41291.7	41123.0	40883.3	40861.1	40985.4	41256.2	41083.1	41091.9	40985.4	41167.4
5°	40643.6	40483.8	40319.5	40102.0	40284.0	40399.4	40310.7	40213.0	40075.4	40253.0
7.5°	39418.4	39329.6	39085.5	38987.8	39098.8	39227.5	39036.7	39010.0	38819.2	39050.0
10°	37545.2	37509.6	37269.9	37212.2	37309.9	37505.2	37420.9	37403.1	37283.3	37261.1
12.5°	35600.9	35463.3	35165.8	35148.1	35294.6	35587.6	35361.2	35143.7	35210.2	35267.9
15°	30593.7	30447.2	31184.1	32342.6	32950.8	32928.6	32995.2	32733.3	32653.4	32680.0
17.5°	24321.3	24072.8	24339.1	26132.5	29022.3	30700.2	30238.5	29674.8	29372.9	29173.2
20°	20992.1	21005.4	20956.6	21418.2	23220.5	27046.9	26935.9	25848.4	25453.3	25289.0
22.5°	18967.9	18892.4	18785.9	18932.4	19416.2	21662.4	23167.2	22168.4	22030.8	21848.8
25°	16983.7	16983.7	16854.9	17001.4	17139.0	17170.1	18679.4	19087.7	18821.4	18821.4
27.5°	15265.8	15177.0	15119.3	15185.9	15003.9	14129.4	14320.3	16411.0	16229.0	16118.1
30°	13561.2	13534.5	13436.9	13525.7	12850.9	11865.5	11466.0	13849.7	14040.6	14000.6
32.5°	11195.2	11301.7	11736.7	11874.4	10720.2	9925.6	9543.9	11497.0	12260.5	12229.5
35°	7608.5	7697.2	8194.4	9836.8	8886.9	8318.7	8207.7	9144.4	10400.6	10520.5
37.5°	6059.3	6045.9	6188.0	6481.0	7142.4	7004.8	6973.7	7217.8	8483.0	8536.2
40°	4993.9	4976.1	4971.7	4732.0	4567.7	5824.0	5739.6	5593.2	6689.6	6796.1
42.5°	4026.2	4043.9	4057.3	3533.5	3293.7	4492.3	4443.5	4292.5	5246.9	5371.2
45°	3160.6	3156.1	3182.8	2632.3	2565.7	2872.0	3320.4	3200.5	3959.6	4092.8
47.5°	1638.0	1695.7	2055.3	2037.5	2068.6	2037.5	2512.5	2481.4	2978.6	3191.6
50°	1100.9	1118.6	1149.7	1154.1	1629.1	1500.4	1704.6	1931.0	2086.3	2414.8
52.5°	852.3	865.6	785.7	736.9	998.8	1109.8	1118.6	1336.1	1456.0	1788.9
55°	475.0	532.7	572.6	577.1	550.4	821.2	816.8	989.9	1083.1	1305.1
57.5°	62.1	75.5	115.4	372.9	368.4	457.2	572.6	719.1	772.4	954.4
60°	4.4	8.9	13.3	57.7	244.1	266.3	390.6	448.3	537.1	670.3
62.5°	0.0	0.0	4.4	13.3	48.8	155.4	204.2	235.3	315.2	439.5
65°	0.0	0.0	4.4	8.9	17.8	57.7	79.9	128.7	186.4	270.8
67.5°	0.0	0.0	4.4	8.9	13.3	22.2	35.5	57.7	97.7	164.2
70°	0.0	0.0	4.4	8.9	13.3	17.8	26.6	35.5	53.3	88.8
72.5°	0.0	0.0	4.4	4.4	8.9	22.2	22.2	26.6	35.5	48.8
75°	0.0	0.0	4.4	8.9	13.3	22.2	22.2	22.2	26.6	31.1
77.5°	0.0	0.0	4.4	8.9	13.3	22.2	17.8	22.2	22.2	22.2
80°	0.0	0.0	4.4	8.9	13.3	22.2	26.6	22.2	17.8	17.8
82.5°	0.0	0.0	4.4	13.3	13.3	31.1	31.1	31.1	13.3	13.3
85°	0.0	0.0	8.9	13.3	22.2	35.5	35.5	26.6	13.3	8.9
87.5°	0.0	0.0	4.4	8.9	8.9	17.8	26.6	22.2	8.9	4.4
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°
41287.2	0°	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2	41287.2
40901.1	2.5°	41229.5	41118.6	41327.2	41353.8	41265.1	41154.1	40896.6	40874.4	40426.1
39995.5	5°	40448.3	40266.3	40399.4	40488.2	40457.2	40337.3	40230.8	40133.1	39729.2
38526.2	7.5°	38992.3	38925.7	38987.8	39054.4	39183.2	39054.4	39010.0	38907.9	38508.4
37079.1	10°	37376.5	37252.2	37487.5	37456.4	37420.9	37385.4	37198.9	37216.7	36746.1
35108.1	12.5°	35392.2	35183.6	35410.0	35436.6	35410.0	35285.7	35077.1	35165.8	34735.3
32444.7	15°	32724.4	32702.2	32866.4	32973.0	33048.4	32915.3	32844.2	32888.6	32631.2
29017.8	17.5°	29448.4	29736.9	30274.1	30456.1	30460.5	30598.1	30558.2	30504.9	30314.0
25222.5	20°	25595.3	26150.2	26975.9	27823.7	28067.9	27952.5	27899.2	27996.8	27712.7
21657.9	22.5°	22039.7	22514.7	23473.5	24712.0	25426.7	25497.7	25484.4	25400.0	25289.0
18803.7	25°	19021.2	19442.9	20361.7	21493.7	22865.3	23069.5	23078.4	23051.8	22954.1
16215.7	27.5°	16473.2	16983.7	17489.7	18501.8	19962.2	20805.6	20699.1	20668.0	20632.5
14031.7	30°	14164.9	14808.5	15283.5	15913.9	17223.4	18364.2	18475.2	18421.9	18337.6
12225.0	32.5°	12336.0	12717.8	13321.5	13747.6	14688.7	15980.4	16406.6	16366.6	16291.2
10595.9	35°	10746.8	10897.8	11372.7	11847.7	12473.6	13725.4	14355.8	14267.0	14253.7
8633.9	37.5°	8851.4	9357.4	9619.3	10098.8	10538.2	11510.4	12380.4	12340.5	12344.9
6942.6	40°	7146.8	7439.8	7959.1	8363.1	8767.0	9477.3	10445.0	10471.6	10462.7
5375.6	42.5°	5486.6	5770.7	6316.7	6756.2	7115.7	7555.2	8478.5	8509.6	8549.5
4186.0	45°	4283.6	4465.6	4865.2	5322.4	5704.1	5970.5	6671.8	6871.6	6876.0
3244.9	47.5°	3324.8	3533.5	3817.5	4257.0	4629.9	4820.8	5331.3	5602.0	5588.7
2490.3	50°	2610.1	2801.0	3031.8	3378.1	3782.0	3933.0	4310.3	4576.6	4563.3
1877.7	52.5°	1997.6	2241.7	2445.9	2712.2	3107.3	3236.0	3506.8	3813.1	3768.7
1376.1	55°	1513.7	1762.3	1953.2	2175.1	2534.7	2698.9	2885.4	3129.5	3138.4
1065.4	57.5°	1140.8	1398.3	1571.4	1797.8	2068.6	2250.6	2392.6	2654.5	2650.1
728.0	60°	816.8	1038.7	1247.4	1482.6	1691.3	1899.9	1997.6	2246.1	2255.0
514.9	62.5°	590.4	799.0	998.8	1203.0	1389.4	1593.6	1682.4	1877.7	1904.3
337.4	65°	412.8	559.3	790.1	945.5	1154.1	1305.1	1420.5	1589.2	1620.2
199.8	67.5°	266.3	404.0	625.9	763.5	954.4	1083.1	1203.0	1336.1	1376.1
128.7	70°	159.8	306.3	466.1	612.6	785.7	901.1	1016.5	1131.9	1154.1
62.1	72.5°	102.1	213.1	337.4	497.2	630.3	754.6	856.7	941.1	874.5
40.0	75°	57.7	146.5	266.3	390.6	510.5	630.3	714.7	759.1	608.1
26.6	77.5°	35.5	106.5	217.5	315.2	395.1	506.0	559.3	585.9	435.0
17.8	80°	22.2	79.9	182.0	257.5	257.5	372.9	435.0	457.2	315.2
13.3	82.5°	17.8	57.7	142.0	195.3	173.1	279.7	341.8	346.2	222.0
8.9	85°	13.3	44.4	88.8	128.7	119.9	195.3	199.8	222.0	146.5
8.9	87.5°	8.9	26.6	53.3	75.5	66.6	93.2	106.5	119.9	79.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
41287.2
40075.4
39405.1
38424.1
36586.3
34611.0
32320.4
30029.9
27508.6
25076.0
22625.6
20423.9
18231.0
16091.4
14107.2
12202.8
10307.4
8416.4
6760.6
5539.9
4563.3
3773.2
3138.4
2641.2
2232.8
1895.5
1611.4
1371.7
1136.4
812.3
577.1
408.4
293.0
204.2
133.2
71.0
0.0

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