

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: P637678

Luminaire Tested: **IFLD-S-SA6D-750-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637678
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-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43931.9 lumens
Efficiency: N/A
Efficacy: 119.3 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



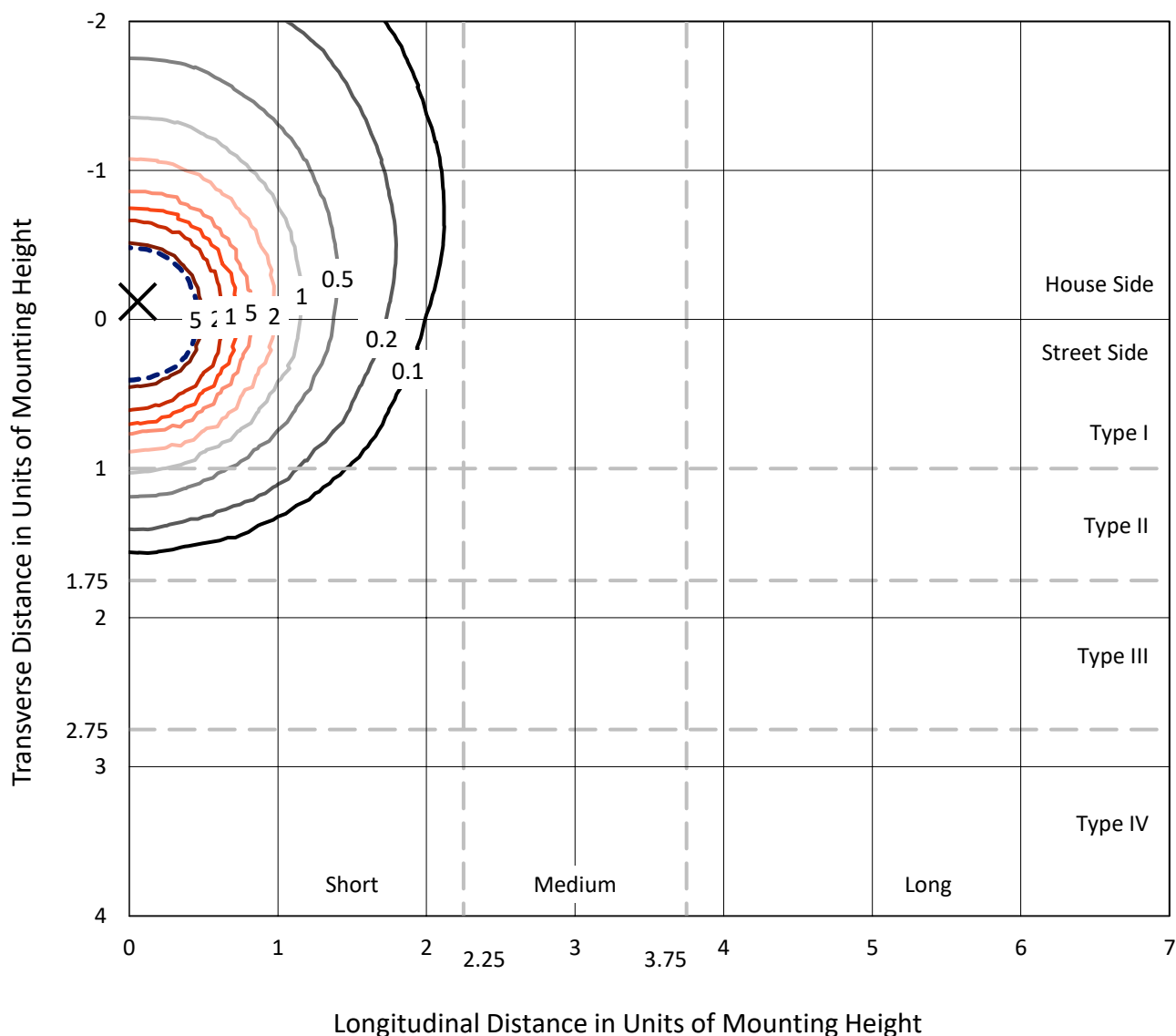
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

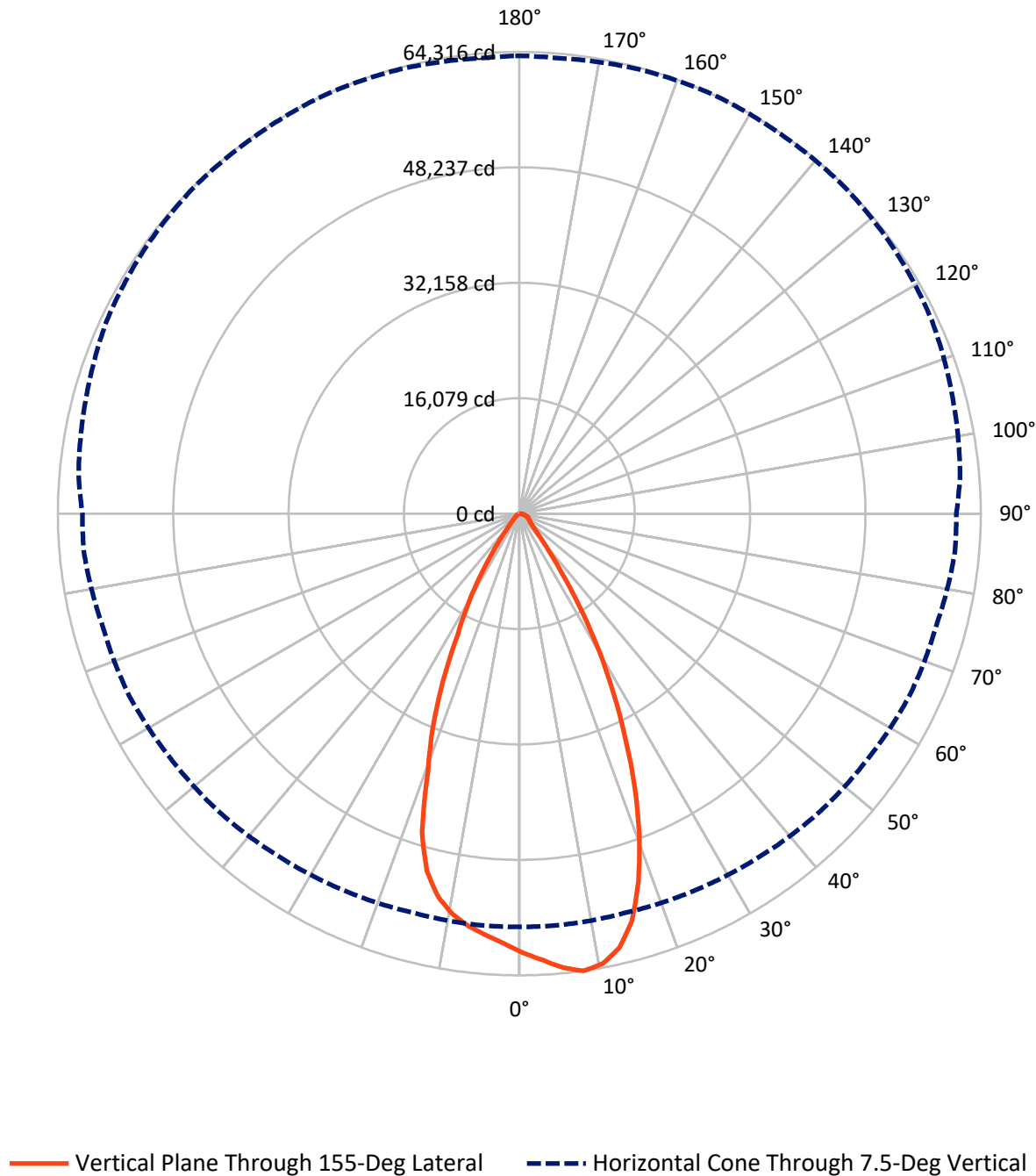


Based on 20 foot mounting height. Maximum calculated value = 155.5 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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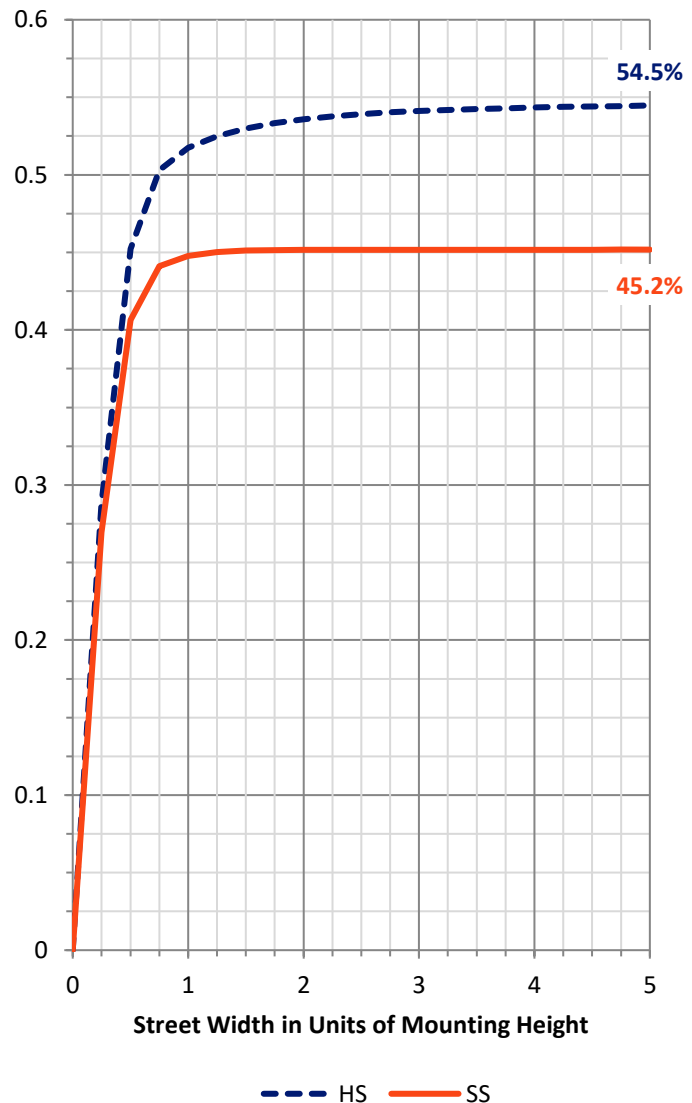
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24252.0	0.0	24252.0
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	19679.9	0.0	19679.9
	% Fixture	44.8	0.0	44.8
Total	Lumens	43931.9	0.0	43931.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5835.9	13.3
10°-20°	15132.4	34.4
20°-30°	13865.5	31.6
30°-40°	5601.7	12.8
40°-50°	1643.3	3.7
50°-60°	918.8	2.1
60°-70°	558.1	1.3
70°-80°	283.5	0.6
80°-90°	92.7	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°	43931.9	100.0
0°-180°	43931.9	100.0

Coefficient of Utilization



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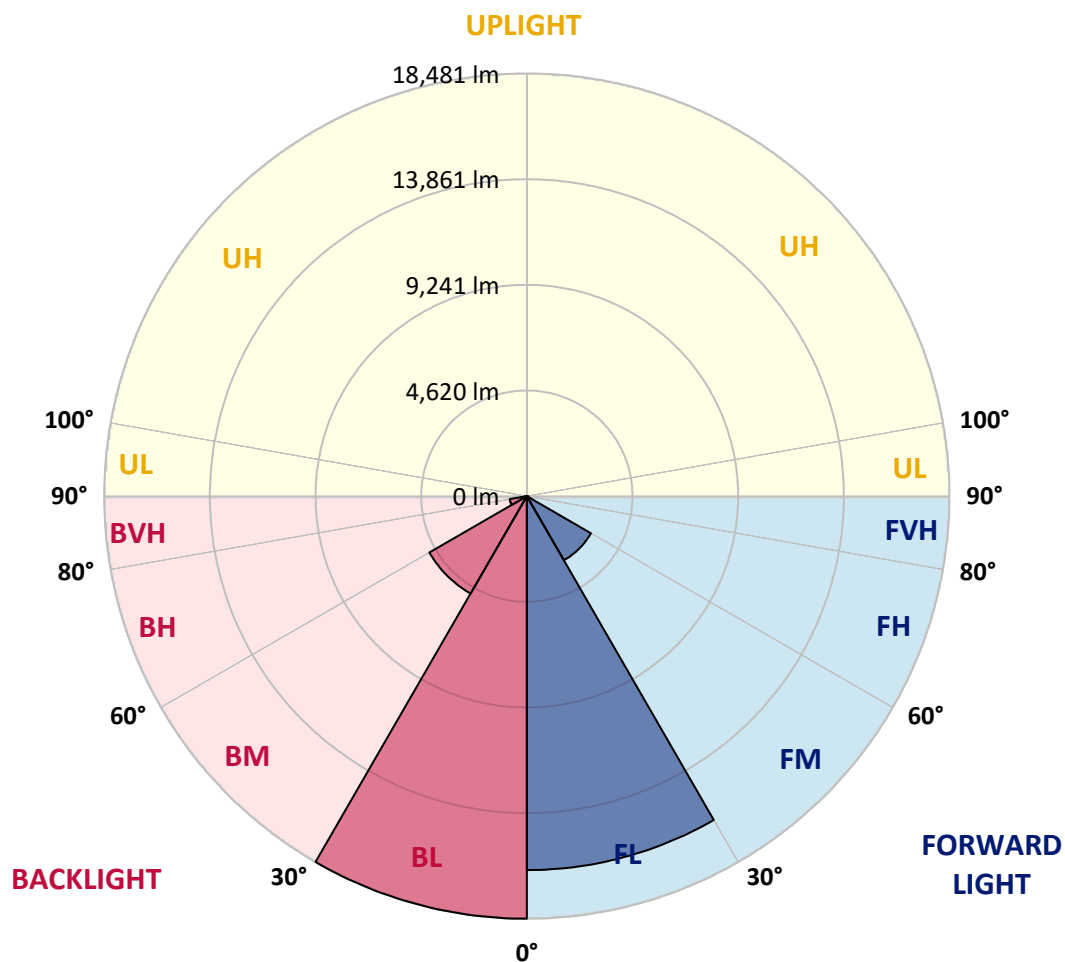
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	16352.6	37.2			
FM	(30°-60°)	3240.8	7.4			
FH	(60°-80°)	78.5	0.2			G0/660
FVH	(80°-90°)	8.0	0.0			G0/10
BL	(0°-30°)	18481.3	42.1	B5		
BM	(30°-60°)	4923.0	11.2	B3/5000		
BH	(60°-80°)	763.1	1.7	B2/1000		G2/1000
BVH	(80°-90°)	84.7	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°	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6
2.5°	59873.3	60076.0	59670.7	59939.2	60146.9	60643.4	60683.9	60856.1	60916.9	61367.8
5°	58738.6	58895.6	58566.4	58926.0	59219.8	59660.6	60000.0	60476.2	60739.6	61271.5
7.5°	57558.2	57593.7	57527.9	57907.8	58348.5	58956.4	59376.9	60000.0	60162.1	60922.0
10°	56129.7	55871.3	55998.0	56555.2	57213.8	58145.9	58434.6	59057.7	59346.5	60121.6
12.5°	53850.0	53981.8	53824.7	54533.9	55081.0	56139.8	56443.8	57071.9	57624.1	58308.0
15°	50638.3	50562.3	50881.4	51433.6	52026.3	52867.3	53358.7	54042.5	54463.0	55172.2
17.5°	43419.4	43677.8	44994.9	46377.9	47593.7	48576.5	49164.1	49731.5	50035.5	50805.5
20°	37497.5	37173.2	37350.6	38130.7	41590.7	43095.2	43713.3	43850.0	43976.7	44584.6
22.5°	30876.4	30770.0	31362.7	32239.1	33059.8	36529.9	37370.8	37051.7	37315.1	37887.5
25°	22928.1	23465.0	23991.9	25673.8	26737.6	28439.7	30035.5	30177.3	30273.6	30633.2
27.5°	18662.6	18475.2	18465.0	18936.2	20506.6	21925.0	23282.7	23596.8	23541.0	23885.5
30°	14670.7	14609.9	14397.2	14508.6	14351.6	15613.0	16251.3	17543.1	17472.1	17482.3
32.5°	10582.6	10354.6	10268.5	10435.7	10273.6	10157.0	10714.3	12173.2	12147.9	12249.2
35°	6403.2	6372.8	6443.8	6590.7	6266.5	6256.3	6372.8	7745.7	7912.9	8075.0
37.5°	3536.0	3505.6	3561.3	4103.3	3997.0	3900.7	3931.1	4655.5	5136.8	5258.4
40°	2330.3	2325.2	2365.8	2462.0	2644.4	2608.9	2624.1	2948.3	3404.3	3510.6
42.5°	1560.3	1565.3	1590.7	1702.1	1727.5	1909.8	1879.4	1955.4	2381.0	2472.1
45°	1246.2	1241.1	1256.3	1205.7	1236.1	1423.5	1443.8	1448.8	1813.6	1869.3
47.5°	982.8	982.8	998.0	932.1	916.9	1033.4	1139.8	1155.0	1448.8	1524.8
50°	689.0	689.0	764.9	734.5	770.0	805.5	922.0	937.2	1185.4	1266.5
52.5°	506.6	516.7	526.8	531.9	648.4	643.4	744.7	815.6	896.7	1038.5
55°	385.0	395.1	369.8	395.1	481.3	537.0	557.2	658.6	714.3	871.3
57.5°	253.3	278.6	258.4	304.0	324.2	415.4	445.8	542.0	577.5	714.3
60°	35.5	40.5	65.9	212.8	228.0	273.6	344.5	430.6	466.1	582.6
62.5°	5.1	5.1	15.2	35.5	152.0	182.4	258.4	298.9	344.5	435.7
65°	0.0	0.0	5.1	10.1	30.4	106.4	131.7	162.1	238.1	314.1
67.5°	0.0	0.0	5.1	10.1	15.2	35.5	55.7	106.4	136.8	217.8
70°	0.0	0.0	5.1	10.1	15.2	20.3	30.4	40.5	81.1	126.6
72.5°	0.0	0.0	5.1	10.1	15.2	20.3	25.3	30.4	35.5	81.1
75°	0.0	0.0	5.1	10.1	15.2	25.3	30.4	30.4	30.4	35.5
77.5°	0.0	0.0	5.1	10.1	20.3	30.4	35.5	30.4	25.3	25.3
80°	0.0	0.0	5.1	15.2	25.3	35.5	40.5	30.4	20.3	15.2
82.5°	0.0	0.0	5.1	15.2	25.3	35.5	40.5	35.5	20.3	15.2
85°	0.0	0.0	5.1	15.2	20.3	25.3	40.5	35.5	20.3	10.1
87.5°	0.0	0.0	0.0	5.1	5.1	10.1	20.3	15.2	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°
61200.6	0°	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6	61200.6
61357.6	2.5°	61813.6	62041.5	62441.7	62553.2	62897.7	62502.5	62284.7	62305.0	61833.8
61205.7	5°	61813.6	62335.3	63034.4	63368.8	63622.1	63601.8	63546.1	63404.2	63059.8
60901.7	7.5°	61651.5	62502.5	63465.0	63910.8	64214.8	64189.5	64316.1	64088.1	63667.7
60359.7	10°	61129.7	61869.3	63054.7	63419.4	63910.8	63921.0	63763.9	63809.5	63059.8
58378.9	12.5°	59488.3	60065.8	61104.3	61519.7	62117.5	62213.8	62041.5	61975.7	61266.5
55131.7	15°	56312.0	56646.4	57690.0	58105.4	58698.1	58617.0	58789.2	58718.3	58095.2
50744.7	17.5°	51666.7	51773.0	52867.3	53216.8	53774.1	53991.9	53733.5	54062.8	53525.8
44691.0	20°	45005.1	45577.5	46808.5	47345.5	47669.7	48059.8	47720.4	48090.2	47462.0
37345.5	22.5°	38247.2	38586.6	39701.1	40476.2	41079.0	41155.0	41028.4	41286.7	40440.7
30871.3	25°	30866.3	31428.6	32310.0	33323.2	33915.9	34280.6	33951.4	34118.5	33981.8
23941.2	27.5°	24346.5	24848.0	25511.6	26266.5	27158.0	27634.2	27370.8	27654.5	26985.8
17852.1	30°	17867.3	18120.6	18870.3	19670.7	20648.4	21225.9	21251.3	21540.0	21144.9
12507.6	32.5°	12598.8	12821.7	13282.7	13814.6	14746.7	15390.1	15288.8	15329.3	15086.1
8151.0	35°	8191.5	8490.4	8819.7	9072.9	9635.3	10344.5	10288.8	10238.1	10070.9
5359.7	37.5°	5476.2	5592.7	5775.1	6003.0	6367.8	6813.6	6960.5	6778.1	6707.2
3617.0	40°	3703.1	3905.8	4027.4	4199.6	4371.8	4746.7	4848.0	4812.6	4741.6
2532.9	42.5°	2629.2	2786.2	2938.2	3105.4	3196.6	3429.6	3627.2	3571.4	3541.0
1925.0	45°	1995.9	2137.8	2315.1	2441.7	2532.9	2669.7	2857.1	2877.4	2831.8
1545.1	47.5°	1600.8	1727.5	1869.3	2026.3	2132.7	2218.8	2381.0	2441.7	2411.3
1301.9	50°	1357.6	1453.9	1590.7	1747.7	1864.2	1940.2	2082.1	2147.9	2127.7
1089.2	52.5°	1155.0	1271.5	1398.2	1529.9	1671.7	1747.7	1879.4	1975.7	1960.5
901.7	55°	957.4	1109.4	1241.1	1372.8	1535.0	1610.9	1727.5	1854.1	1828.8
764.9	57.5°	835.9	962.5	1099.3	1225.9	1398.2	1499.5	1605.9	1737.6	1732.5
628.2	60°	699.1	825.7	977.7	1084.1	1266.5	1408.3	1504.6	1641.3	1651.5
476.2	62.5°	557.2	714.3	830.8	977.7	1144.9	1312.1	1403.2	1540.0	1590.7
364.7	65°	415.4	587.6	719.4	866.3	1023.3	1210.7	1291.8	1428.6	1479.2
263.4	67.5°	309.0	440.7	607.9	734.5	911.9	1074.0	1170.2	1296.9	1332.3
157.0	70°	233.0	339.4	506.6	618.0	800.4	932.1	1028.4	1124.6	1170.2
106.4	72.5°	136.8	253.3	400.2	531.9	689.0	800.4	871.3	947.3	977.7
50.7	75°	96.3	192.5	314.1	440.7	557.2	648.4	714.3	780.1	810.5
25.3	77.5°	50.7	141.8	248.2	354.6	435.7	511.7	577.5	628.2	648.4
20.3	80°	30.4	101.3	202.6	278.6	334.3	400.2	466.1	501.5	496.5
15.2	82.5°	20.3	81.1	146.9	202.6	243.2	293.8	339.4	364.7	364.7
10.1	85°	15.2	55.7	101.3	157.0	162.1	202.6	212.8	238.1	243.2
10.1	87.5°	10.1	35.5	55.7	91.2	86.1	106.4	111.4	126.6	136.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
61200.6
61453.9
63171.2
63763.9
62841.9
61104.3
58292.8
53394.1
47411.3
40324.2
33895.6
27158.0
21215.8
15222.9
9924.0
6692.0
4751.8
3515.7
2826.7
2396.1
2122.6
1950.4
1828.8
1727.5
1651.5
1585.6
1474.2
1332.3
1160.1
967.6
800.4
643.4
491.4
359.7
238.1
131.7
0.0

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