

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: P637526

Luminaire Tested: **IFLD-S-SA3B-722-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637526
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-722-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11773.6 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 122.4
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

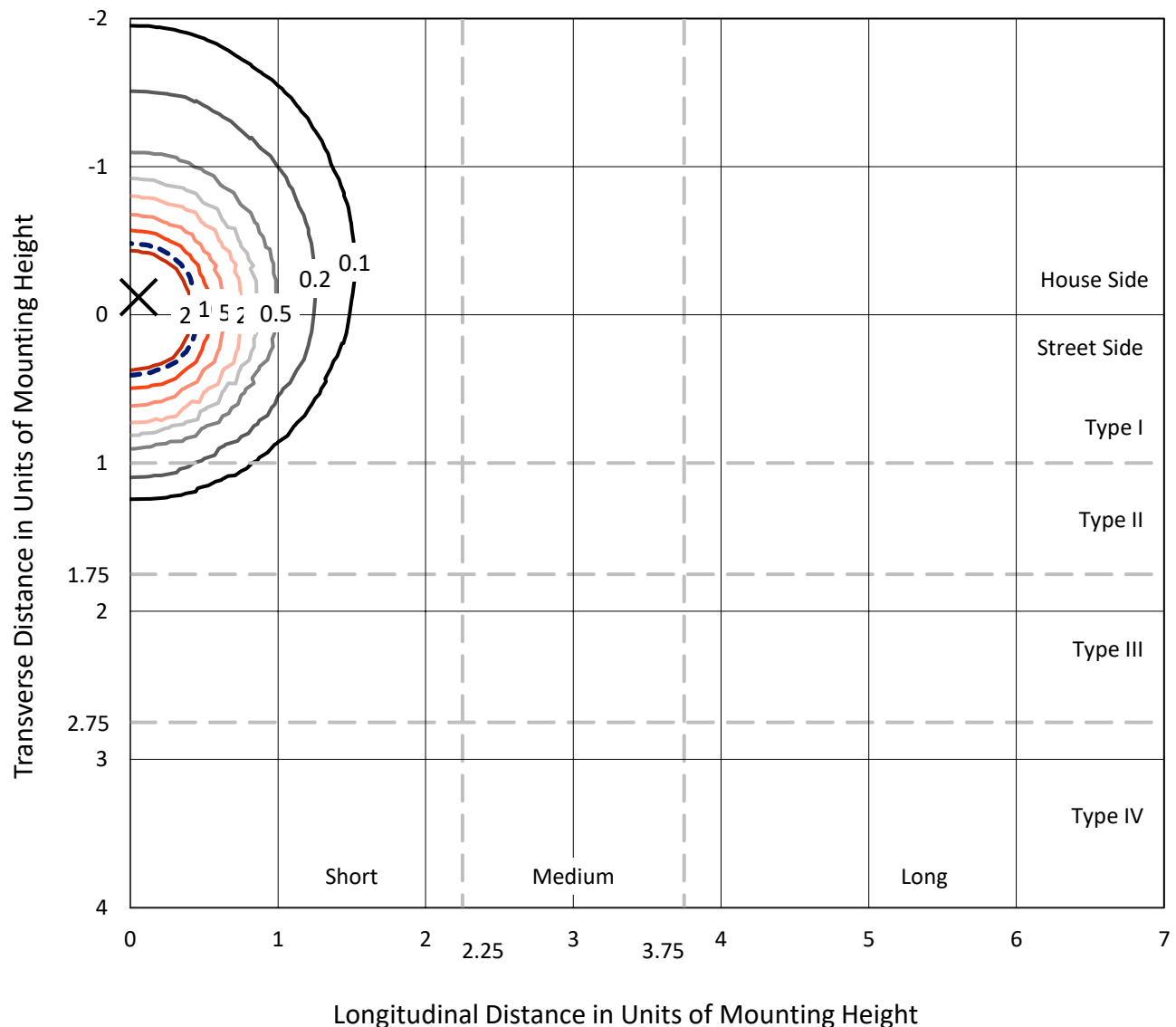


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

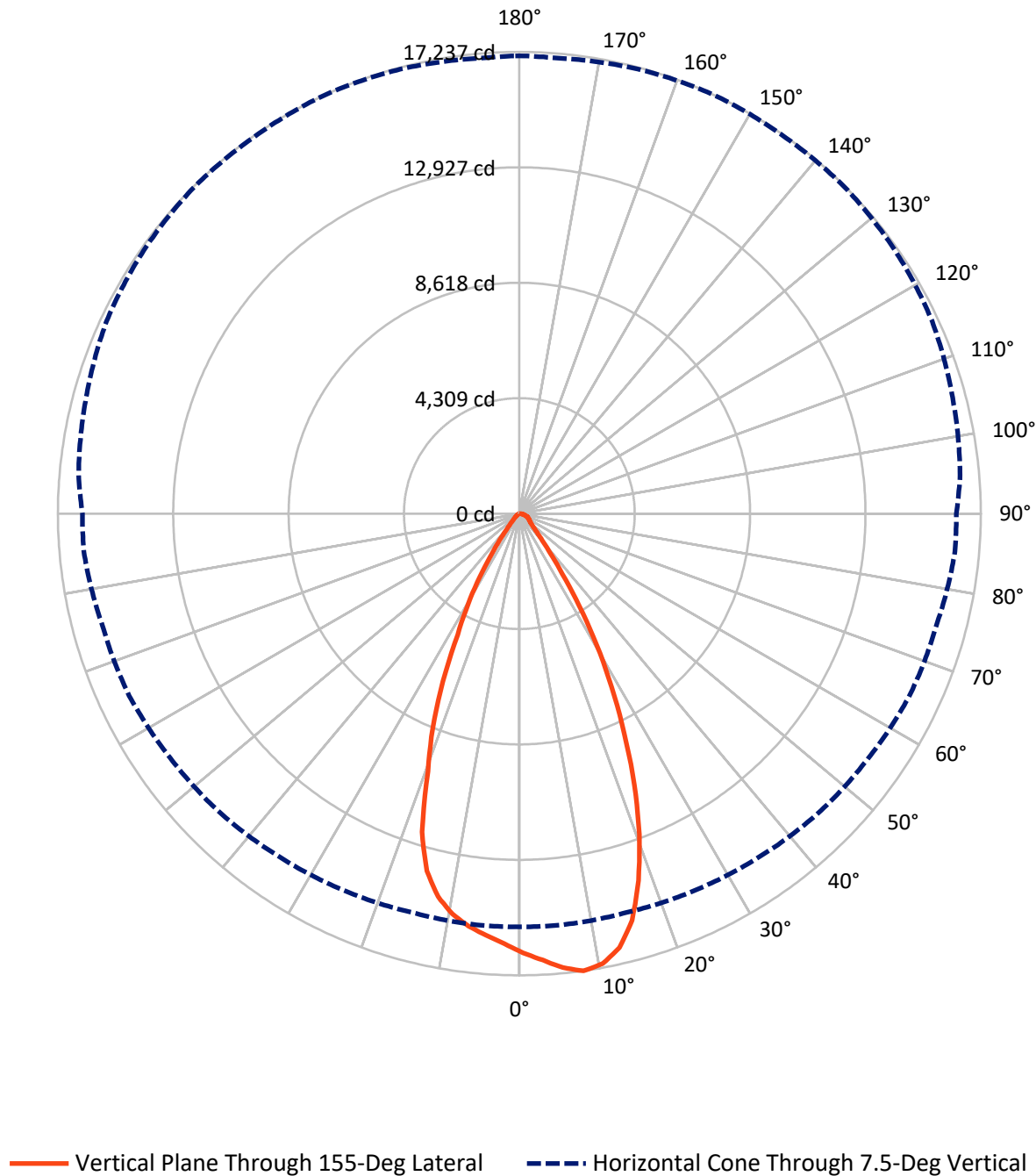


Based on 20 foot mounting height. Maximum calculated value = 41.7 fc

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	6499.5	0.0	6499.5
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	5274.1	0.0	5274.1
	% Fixture	44.8	0.0	44.8
Total	Lumens	11773.6	0.0	11773.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1564.0	13.3
10°-20°	4055.4	34.4
20°-30°	3715.9	31.6
30°-40°	1501.2	12.8
40°-50°	440.4	3.7
50°-60°	246.2	2.1
60°-70°	149.6	1.3
70°-80°	76.0	0.6
80°-90°	24.9	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°	11773.6	100.0
0°-180°	11773.6	100.0

Coefficient of Utilization



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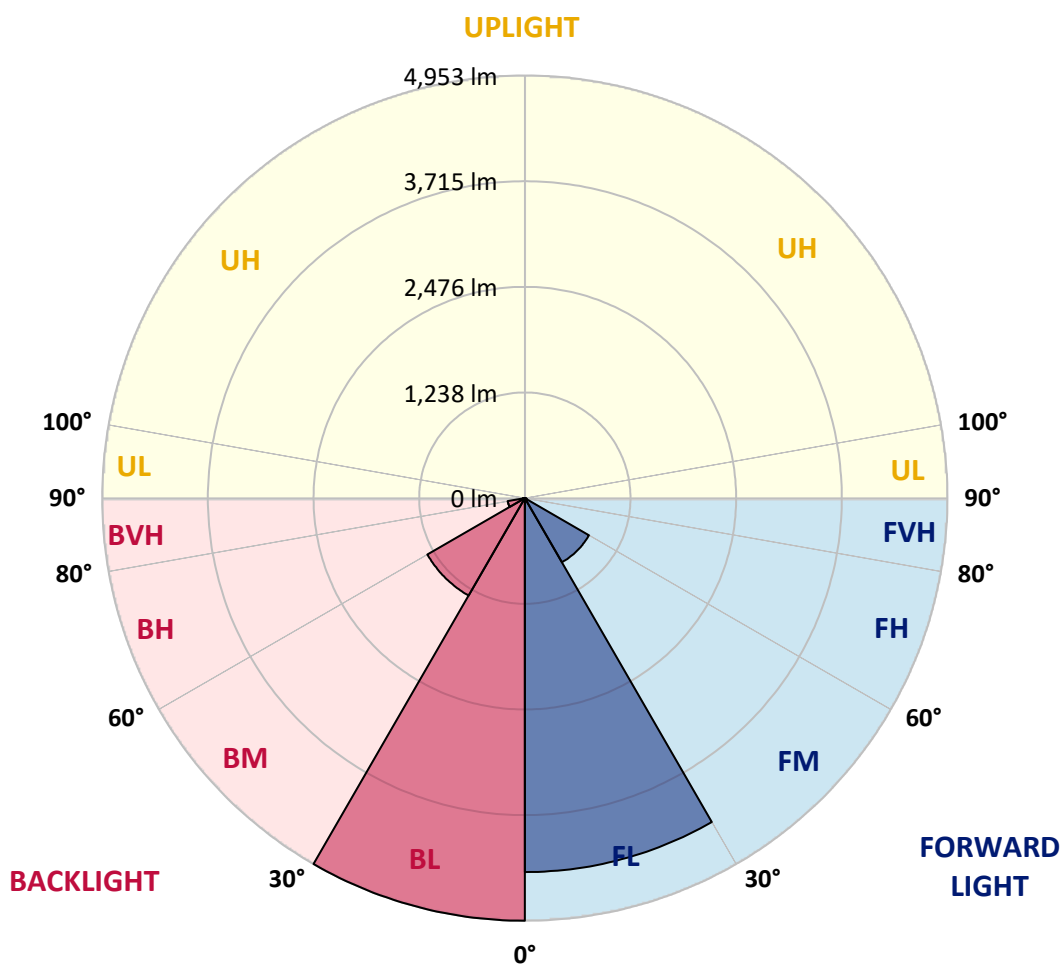
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4382.4	37.2			
FM	(30°-60°)	868.5	7.4			
FH	(60°-80°)	21.0	0.2			G0/660
FVH	(80°-90°)	2.2	0.0			G0/10
BL	(0°-30°)	4952.9	42.1	B4/5000		
BM	(30°-60°)	1319.3	11.2	B2/2500		
BH	(60°-80°)	204.5	1.7	B1/500		G1/500
BVH	(80°-90°)	22.7	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5
2.5°	16045.8	16100.1	15991.5	16063.5	16119.1	16252.2	16263.1	16309.2	16325.5	16446.3
5°	15741.7	15783.8	15695.6	15792.0	15870.7	15988.8	16079.8	16207.4	16278.0	16420.5
7.5°	15425.4	15434.9	15417.3	15519.1	15637.2	15800.1	15912.8	16079.8	16123.2	16326.9
10°	15042.5	14973.3	15007.2	15156.6	15333.1	15582.9	15660.3	15827.3	15904.6	16112.4
12.5°	14431.6	14466.9	14424.8	14614.9	14761.5	15045.3	15126.7	15295.1	15443.0	15626.3
15°	13570.9	13550.5	13636.0	13784.0	13942.9	14168.2	14299.9	14483.2	14595.9	14786.0
17.5°	11636.3	11705.5	12058.5	12429.1	12754.9	13018.3	13175.8	13327.9	13409.3	13615.7
20°	10049.2	9962.3	10009.8	10218.9	11146.1	11549.4	11715.0	11751.7	11785.6	11948.5
22.5°	8274.8	8246.2	8405.1	8640.0	8859.9	9789.9	10015.2	9929.7	10000.3	10153.7
25°	6144.6	6288.5	6429.7	6880.5	7165.6	7621.7	8049.4	8087.4	8113.2	8209.6
27.5°	5001.5	4951.3	4948.6	5074.8	5495.7	5875.8	6239.7	6323.8	6308.9	6401.2
30°	3931.7	3915.4	3858.4	3888.3	3846.2	4184.2	4355.3	4701.5	4682.5	4685.2
32.5°	2836.1	2775.0	2751.9	2796.7	2753.3	2722.0	2871.4	3262.4	3255.6	3282.8
35°	1716.0	1707.9	1726.9	1766.3	1679.4	1676.7	1707.9	2075.8	2120.6	2164.1
37.5°	947.6	939.5	954.4	1099.7	1071.2	1045.4	1053.5	1247.7	1376.6	1409.2
40°	624.5	623.2	634.0	659.8	708.7	699.2	703.3	790.1	912.3	940.8
42.5°	418.2	419.5	426.3	456.2	463.0	511.8	503.7	524.0	638.1	662.5
45°	334.0	332.6	336.7	323.1	331.3	381.5	386.9	388.3	486.0	501.0
47.5°	263.4	263.4	267.5	249.8	245.7	277.0	305.5	309.5	388.3	408.6
50°	184.6	184.6	205.0	196.9	206.4	215.9	247.1	251.2	317.7	339.4
52.5°	135.8	138.5	141.2	142.6	173.8	172.4	199.6	218.6	240.3	278.3
55°	103.2	105.9	99.1	105.9	129.0	143.9	149.3	176.5	191.4	233.5
57.5°	67.9	74.7	69.2	81.5	86.9	111.3	119.5	145.3	154.8	191.4
60°	9.5	10.9	17.6	57.0	61.1	73.3	92.3	115.4	124.9	156.1
62.5°	1.4	1.4	4.1	9.5	40.7	48.9	69.2	80.1	92.3	116.8
65°	0.0	0.0	1.4	2.7	8.1	28.5	35.3	43.4	63.8	84.2
67.5°	0.0	0.0	1.4	2.7	4.1	9.5	14.9	28.5	36.7	58.4
70°	0.0	0.0	1.4	2.7	4.1	5.4	8.1	10.9	21.7	33.9
72.5°	0.0	0.0	1.4	2.7	4.1	5.4	6.8	8.1	9.5	21.7
75°	0.0	0.0	1.4	2.7	4.1	6.8	8.1	8.1	8.1	9.5
77.5°	0.0	0.0	1.4	2.7	5.4	8.1	9.5	8.1	6.8	6.8
80°	0.0	0.0	1.4	4.1	6.8	9.5	10.9	8.1	5.4	4.1
82.5°	0.0	0.0	1.4	4.1	6.8	9.5	10.9	9.5	5.4	4.1
85°	0.0	0.0	1.4	4.1	5.4	6.8	10.9	9.5	5.4	2.7
87.5°	0.0	0.0	0.0	1.4	1.4	2.7	5.4	4.1	2.7	1.4
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°
16401.5	0°	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5	16401.5
16443.6	2.5°	16565.8	16626.9	16734.2	16764.0	16856.3	16750.4	16692.1	16697.5	16571.2
16402.9	5°	16565.8	16705.6	16893.0	16982.6	17050.5	17045.1	17030.1	16992.1	16899.8
16321.4	7.5°	16522.4	16750.4	17008.4	17127.9	17209.3	17202.5	17236.5	17175.4	17062.7
16176.2	10°	16382.5	16580.7	16898.4	16996.2	17127.9	17130.6	17088.5	17100.7	16899.8
15645.3	12.5°	15942.7	16097.4	16375.7	16487.1	16647.3	16673.1	16626.9	16609.3	16419.2
14775.1	15°	15091.4	15181.0	15460.7	15572.0	15730.9	15709.1	15755.3	15736.3	15569.3
13599.4	17.5°	13846.5	13875.0	14168.2	14261.9	14411.2	14469.6	14400.4	14488.6	14344.7
11977.0	20°	12061.2	12214.6	12544.5	12688.4	12775.3	12879.8	12788.9	12888.0	12719.6
10008.5	22.5°	10250.1	10341.1	10639.8	10847.5	11009.0	11029.4	10995.5	11064.7	10838.0
8273.4	25°	8272.0	8422.7	8659.0	8930.5	9089.3	9187.1	9098.8	9143.6	9107.0
6416.2	27.5°	6524.8	6659.2	6837.0	7039.3	7278.3	7405.9	7335.3	7411.3	7232.1
4784.3	30°	4788.4	4856.2	5057.2	5271.7	5533.7	5688.5	5695.3	5772.6	5666.8
3352.0	32.5°	3376.4	3436.2	3559.7	3702.3	3952.1	4124.5	4097.3	4108.2	4043.0
2184.4	35°	2195.3	2275.4	2363.6	2431.5	2582.2	2772.3	2757.3	2743.8	2699.0
1436.4	37.5°	1467.6	1498.8	1547.7	1608.8	1706.5	1826.0	1865.4	1816.5	1797.5
969.3	40°	992.4	1046.7	1079.3	1125.5	1171.6	1272.1	1299.3	1289.7	1270.7
678.8	42.5°	704.6	746.7	787.4	832.2	856.7	919.1	972.1	957.1	949.0
515.9	45°	534.9	572.9	620.4	654.4	678.8	715.5	765.7	771.1	758.9
414.1	47.5°	429.0	463.0	501.0	543.1	571.6	594.6	638.1	654.4	646.2
348.9	50°	363.8	389.6	426.3	468.4	499.6	520.0	558.0	575.6	570.2
291.9	52.5°	309.5	340.8	374.7	410.0	448.0	468.4	503.7	529.5	525.4
241.7	55°	256.6	297.3	332.6	367.9	411.4	431.7	463.0	496.9	490.1
205.0	57.5°	224.0	257.9	294.6	328.5	374.7	401.9	430.4	465.7	464.3
168.3	60°	187.4	221.3	262.0	290.5	339.4	377.4	403.2	439.9	442.6
127.6	62.5°	149.3	191.4	222.7	262.0	306.8	351.6	376.1	412.7	426.3
97.7	65°	111.3	157.5	192.8	232.2	274.2	324.5	346.2	382.9	396.4
70.6	67.5°	82.8	118.1	162.9	196.9	244.4	287.8	313.6	347.6	357.1
42.1	70°	62.5	91.0	135.8	165.6	214.5	249.8	275.6	301.4	313.6
28.5	72.5°	36.7	67.9	107.3	142.6	184.6	214.5	233.5	253.9	262.0
13.6	75°	25.8	51.6	84.2	118.1	149.3	173.8	191.4	209.1	217.2
6.8	77.5°	13.6	38.0	66.5	95.0	116.8	137.1	154.8	168.3	173.8
5.4	80°	8.1	27.2	54.3	74.7	89.6	107.3	124.9	134.4	133.0
4.1	82.5°	5.4	21.7	39.4	54.3	65.2	78.7	91.0	97.7	97.7
2.7	85°	4.1	14.9	27.2	42.1	43.4	54.3	57.0	63.8	65.2
2.7	87.5°	2.7	9.5	14.9	24.4	23.1	28.5	29.9	33.9	36.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
16401.5
16469.4
16929.7
17088.5
16841.4
16375.7
15622.3
14309.4
12706.1
10806.7
9083.9
7278.3
5685.8
4079.7
2659.6
1793.4
1273.5
942.2
757.6
642.2
568.8
522.7
490.1
463.0
442.6
424.9
395.1
357.1
310.9
259.3
214.5
172.4
131.7
96.4
63.8
35.3
0.0

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