

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: P637562

Luminaire Tested: **IFLD-S-SA6D-727-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637562
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-727-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35917.8 lumens
Efficiency: N/A
Efficacy: 97.5 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): 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



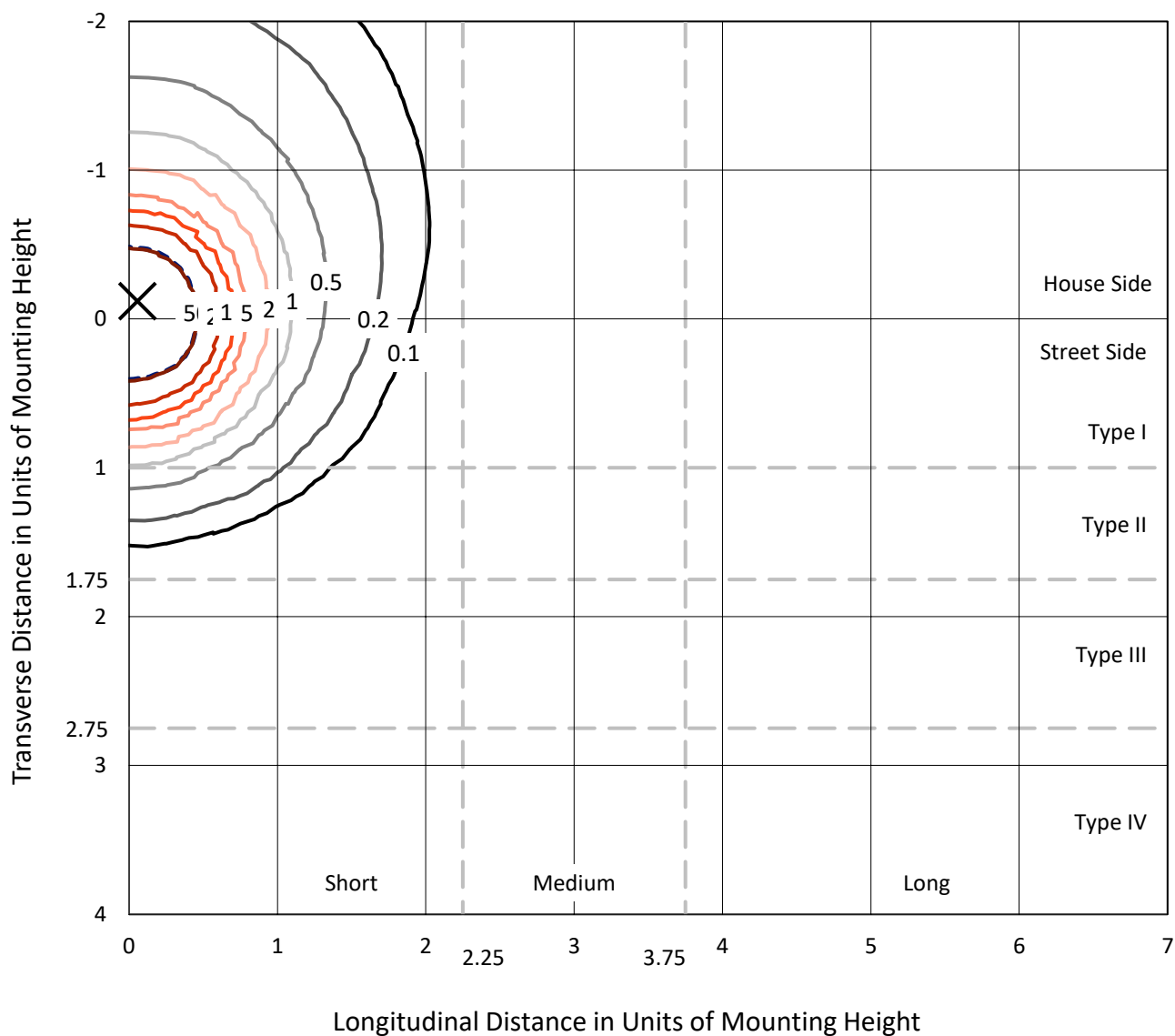
REPORT NUMBER: P637562

CATALOG NUMBER: IFLD-S-SA6D-727-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



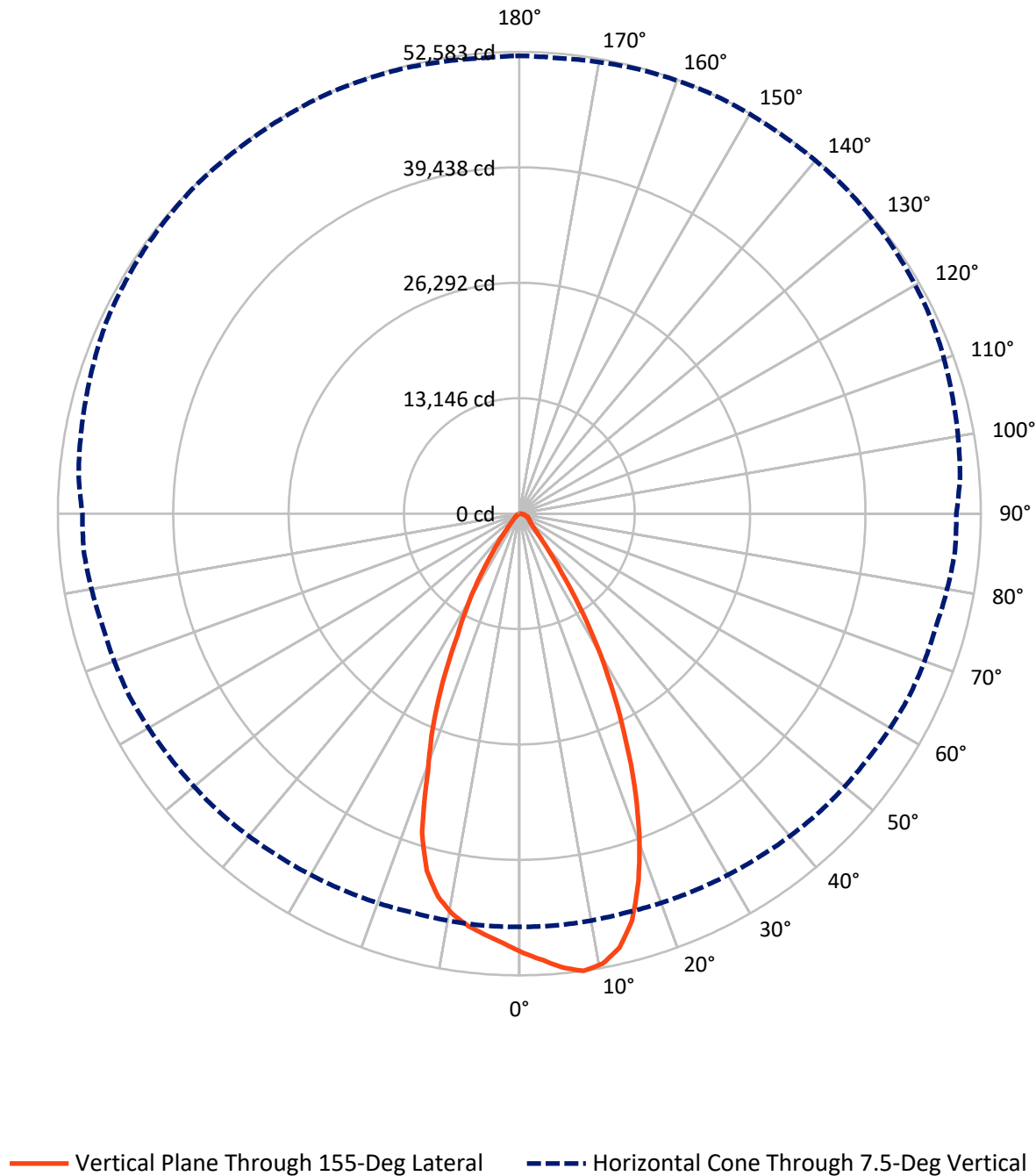
Based on 20 foot mounting height. Maximum calculated value = 127.2 fc

Type I - Short - N/A

REPORT NUMBER: P637562

CATALOG NUMBER: IFLD-S-SA6D-727-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637562

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19827.9	0.0	19827.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	16089.8	0.0	16089.8
	% Fixture	44.8	0.0	44.8
Total	Lumens	35917.8	0.0	35917.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4771.3	13.3
10°-20°	12372.0	34.4
20°-30°	11336.2	31.6
30°-40°	4579.8	12.8
40°-50°	1343.5	3.7
50°-60°	751.2	2.1
60°-70°	456.2	1.3
70°-80°	231.8	0.6
80°-90°	75.8	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°	35917.8	100.0
0°-180°	35917.8	100.0

Coefficient of Utilization



REPORT NUMBER: P637562

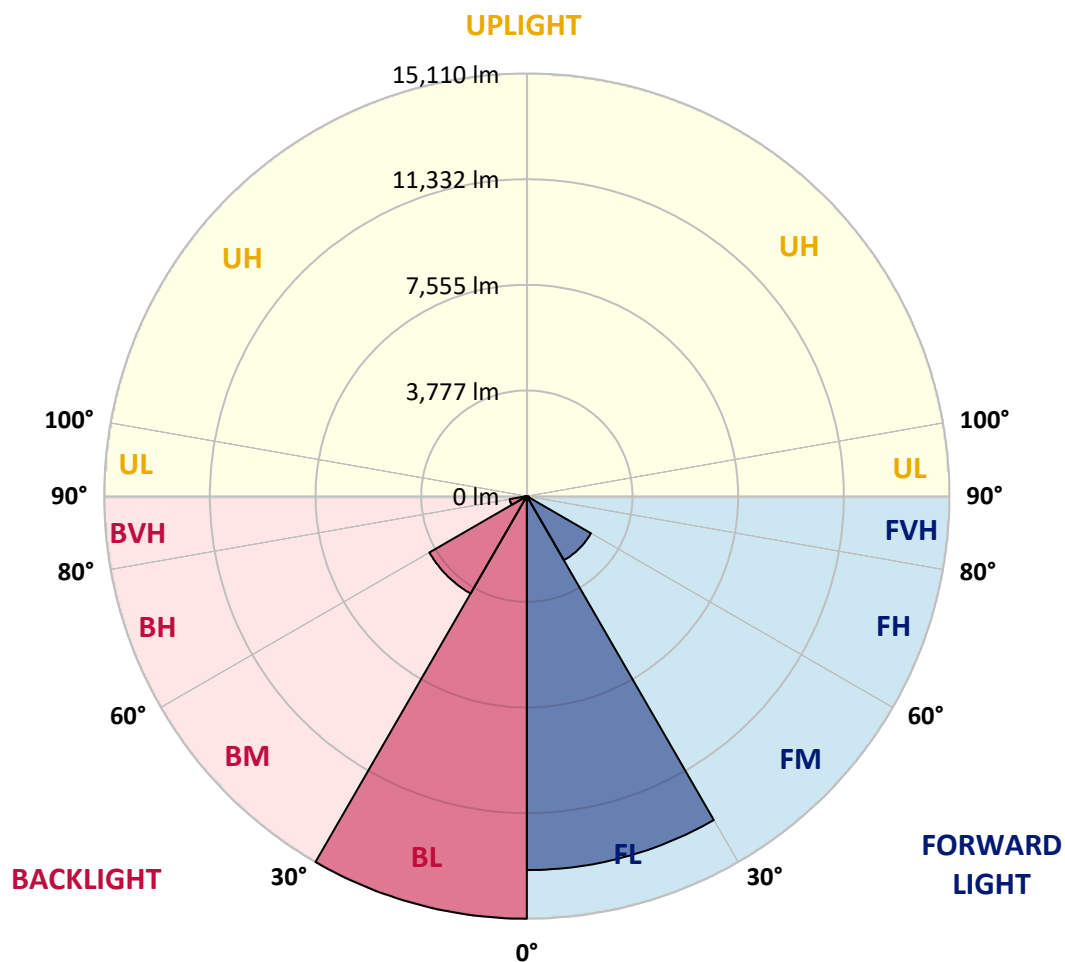
CATALOG NUMBER: IFLD-S-SA6D-727-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	13369.5	37.2			
FM	(30°-60°)	2649.6	7.4			
FH	(60°-80°)	64.2	0.2			G0/660
FVH	(80°-90°)	6.6	0.0			G0/10
BL	(0°-30°)	15109.9	42.1	B5		
BM	(30°-60°)	4024.9	11.2	B3/5000		
BH	(60°-80°)	623.9	1.7	B2/1000		G2/1000
BVH	(80°-90°)	69.2	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



REPORT NUMBER: P637562

CATALOG NUMBER: IFLD-S-SA6D-727-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2
2.5°	48951.1	49116.8	48785.4	49004.9	49174.7	49580.6	49613.8	49754.6	49804.3	50172.9
5°	48023.3	48151.7	47882.5	48176.6	48416.8	48777.1	49054.6	49444.0	49659.3	50094.2
7.5°	47058.3	47087.3	47033.5	47344.1	47704.4	48201.4	48545.2	49054.6	49187.2	49808.4
10°	45890.4	45679.1	45782.7	46238.3	46776.7	47538.8	47774.8	48284.3	48520.4	49154.0
12.5°	44026.6	44134.3	44005.9	44585.7	45033.0	45898.6	46147.1	46660.7	47112.2	47671.3
15°	41400.7	41338.6	41599.5	42051.0	42535.6	43223.1	43624.8	44184.0	44527.7	45107.6
17.5°	35498.8	35710.0	36786.8	37917.5	38911.5	39715.0	40195.5	40659.4	40907.9	41537.4
20°	30657.1	30392.0	30537.0	31174.8	34003.6	35233.7	35739.0	35850.8	35954.4	36451.4
22.5°	25243.8	25156.9	25641.4	26358.0	27028.9	29866.0	30553.5	30292.6	30508.0	30976.0
25°	18745.5	19184.5	19615.2	20990.3	21860.0	23251.7	24556.3	24672.3	24751.0	25045.0
27.5°	15258.1	15104.9	15096.6	15481.8	16765.7	17925.4	19035.4	19292.2	19246.6	19528.3
30°	11994.4	11944.7	11770.8	11861.9	11733.5	12764.8	13286.7	14342.8	14284.8	14293.1
32.5°	8652.1	8465.7	8395.3	8532.0	8399.4	8304.2	8759.8	9952.6	9931.9	10014.7
35°	5235.1	5210.3	5268.3	5388.4	5123.3	5115.0	5210.3	6332.7	6469.4	6601.9
37.5°	2890.9	2866.1	2911.6	3354.8	3267.8	3189.1	3214.0	3806.2	4199.7	4299.1
40°	1905.2	1901.1	1934.2	2012.9	2162.0	2133.0	2145.4	2410.5	2783.2	2870.2
42.5°	1275.7	1279.8	1300.5	1391.6	1412.3	1561.4	1536.6	1598.7	1946.6	2021.2
45°	1018.9	1014.7	1027.1	985.7	1010.6	1163.8	1180.4	1184.5	1482.7	1528.3
47.5°	803.5	803.5	815.9	762.1	749.7	844.9	931.9	944.3	1184.5	1246.7
50°	563.3	563.3	625.4	600.6	629.5	658.5	753.8	766.2	969.2	1035.4
52.5°	414.2	422.5	430.7	434.9	530.1	526.0	608.8	666.8	733.1	849.1
55°	314.8	323.1	302.3	323.1	393.5	439.0	455.6	538.4	584.0	712.4
57.5°	207.1	227.8	211.2	248.5	265.1	339.6	364.5	443.2	472.2	584.0
60°	29.0	33.1	53.8	174.0	186.4	223.7	281.6	352.0	381.0	476.3
62.5°	4.1	4.1	12.4	29.0	124.3	149.1	211.2	244.4	281.6	356.2
65°	0.0	0.0	4.1	8.3	24.9	87.0	107.7	132.5	194.7	256.8
67.5°	0.0	0.0	4.1	8.3	12.4	29.0	45.6	87.0	111.8	178.1
70°	0.0	0.0	4.1	8.3	12.4	16.6	24.9	33.1	66.3	103.5
72.5°	0.0	0.0	4.1	8.3	12.4	16.6	20.7	24.9	29.0	66.3
75°	0.0	0.0	4.1	8.3	12.4	20.7	24.9	24.9	24.9	29.0
77.5°	0.0	0.0	4.1	8.3	16.6	24.9	29.0	24.9	20.7	20.7
80°	0.0	0.0	4.1	12.4	20.7	29.0	33.1	24.9	16.6	12.4
82.5°	0.0	0.0	4.1	12.4	20.7	29.0	33.1	29.0	16.6	12.4
85°	0.0	0.0	4.1	12.4	16.6	20.7	33.1	29.0	16.6	8.3
87.5°	0.0	0.0	0.0	4.1	4.1	8.3	16.6	12.4	8.3	4.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637562

CATALOG NUMBER: IFLD-S-SA6D-727-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
50036.2	0°	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2	50036.2
50164.6	2.5°	50537.4	50723.8	51051.0	51142.1	51423.7	51100.7	50922.6	50939.1	50553.9
50040.4	5°	50537.4	50964.0	51535.5	51808.9	52016.0	51999.4	51953.8	51837.9	51556.2
49791.9	7.5°	50404.8	51100.7	51887.6	52252.1	52500.6	52479.8	52583.4	52397.0	52053.3
49348.7	10°	49978.2	50582.9	51552.1	51850.3	52252.1	52260.3	52131.9	52169.2	51556.2
47729.3	12.5°	48636.3	49108.5	49957.5	50297.2	50785.9	50864.6	50723.8	50669.9	50090.1
45074.4	15°	46039.5	46312.8	47166.0	47505.6	47990.2	47923.9	48064.8	48006.8	47497.3
41487.7	17.5°	42241.5	42328.5	43223.1	43508.9	43964.5	44142.5	43931.3	44200.5	43761.5
36538.3	20°	36795.1	37263.1	38269.6	38708.6	38973.7	39292.6	39015.1	39317.4	38803.9
30532.8	22.5°	31270.1	31547.6	32458.7	33092.4	33585.3	33647.4	33543.9	33755.1	33063.4
25239.7	25°	25235.6	25695.3	26415.9	27244.3	27728.9	28027.1	27757.9	27894.5	27782.7
19573.8	27.5°	19905.1	20315.2	20857.7	21474.9	22203.8	22593.1	22377.8	22609.7	22063.0
14595.5	30°	14607.9	14815.0	15427.9	16082.3	16881.7	17353.8	17374.6	17610.6	17287.6
10225.9	32.5°	10300.5	10482.7	10859.6	11294.5	12056.6	12582.6	12499.7	12532.9	12334.1
6664.0	35°	6697.2	6941.5	7210.8	7417.8	7877.6	8457.4	8411.9	8370.4	8233.8
4381.9	37.5°	4477.2	4572.5	4721.6	4907.9	5206.2	5570.6	5690.7	5541.6	5483.6
2957.2	40°	3027.6	3193.3	3292.7	3433.5	3574.3	3880.8	3963.6	3934.6	3876.7
2070.9	42.5°	2149.6	2278.0	2402.2	2538.9	2613.4	2804.0	2965.5	2919.9	2895.1
1573.9	45°	1631.8	1747.8	1892.8	1996.3	2070.9	2182.7	2335.9	2352.5	2315.2
1263.2	47.5°	1308.8	1412.3	1528.3	1656.7	1743.7	1814.1	1946.6	1996.3	1971.5
1064.4	50°	1110.0	1188.7	1300.5	1428.9	1524.2	1586.3	1702.3	1756.1	1739.5
890.5	52.5°	944.3	1039.6	1143.1	1250.8	1366.8	1428.9	1536.6	1615.3	1602.8
737.2	55°	782.8	907.0	1014.7	1122.4	1254.9	1317.1	1412.3	1515.9	1495.2
625.4	57.5°	683.4	786.9	898.8	1002.3	1143.1	1226.0	1312.9	1420.6	1416.5
513.6	60°	571.6	675.1	799.4	886.3	1035.4	1151.4	1230.1	1341.9	1350.2
389.3	62.5°	455.6	584.0	679.2	799.4	936.0	1072.7	1147.3	1259.1	1300.5
298.2	65°	339.6	480.4	588.1	708.2	836.6	989.9	1056.1	1168.0	1209.4
215.4	67.5°	252.6	360.3	497.0	600.6	745.5	878.0	956.7	1060.3	1089.3
128.4	70°	190.5	277.5	414.2	505.3	654.4	762.1	840.8	919.5	956.7
87.0	72.5°	111.8	207.1	327.2	434.9	563.3	654.4	712.4	774.5	799.4
41.4	75°	78.7	157.4	256.8	360.3	455.6	530.1	584.0	637.8	662.7
20.7	77.5°	41.4	116.0	202.9	289.9	356.2	418.3	472.2	513.6	530.1
16.6	80°	24.9	82.8	165.7	227.8	273.4	327.2	381.0	410.0	405.9
12.4	82.5°	16.6	66.3	120.1	165.7	198.8	240.2	277.5	298.2	298.2
8.3	85°	12.4	45.6	82.8	128.4	132.5	165.7	174.0	194.7	198.8
8.3	87.5°	8.3	29.0	45.6	74.6	70.4	87.0	91.1	103.5	111.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
50036.2
50243.3
51647.4
52131.9
51378.1
49957.5
47658.9
43653.8
38762.4
32968.2
27712.3
22203.8
17345.6
12445.9
8113.6
5471.2
3884.9
2874.4
2311.1
1959.0
1735.4
1594.6
1495.2
1412.3
1350.2
1296.4
1205.2
1089.3
948.5
791.1
654.4
526.0
401.7
294.1
194.7
107.7
0.0

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