

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: P637617

Luminaire Tested: **IFLD-S-SA6A-735-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637617
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-735-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25005.5 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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



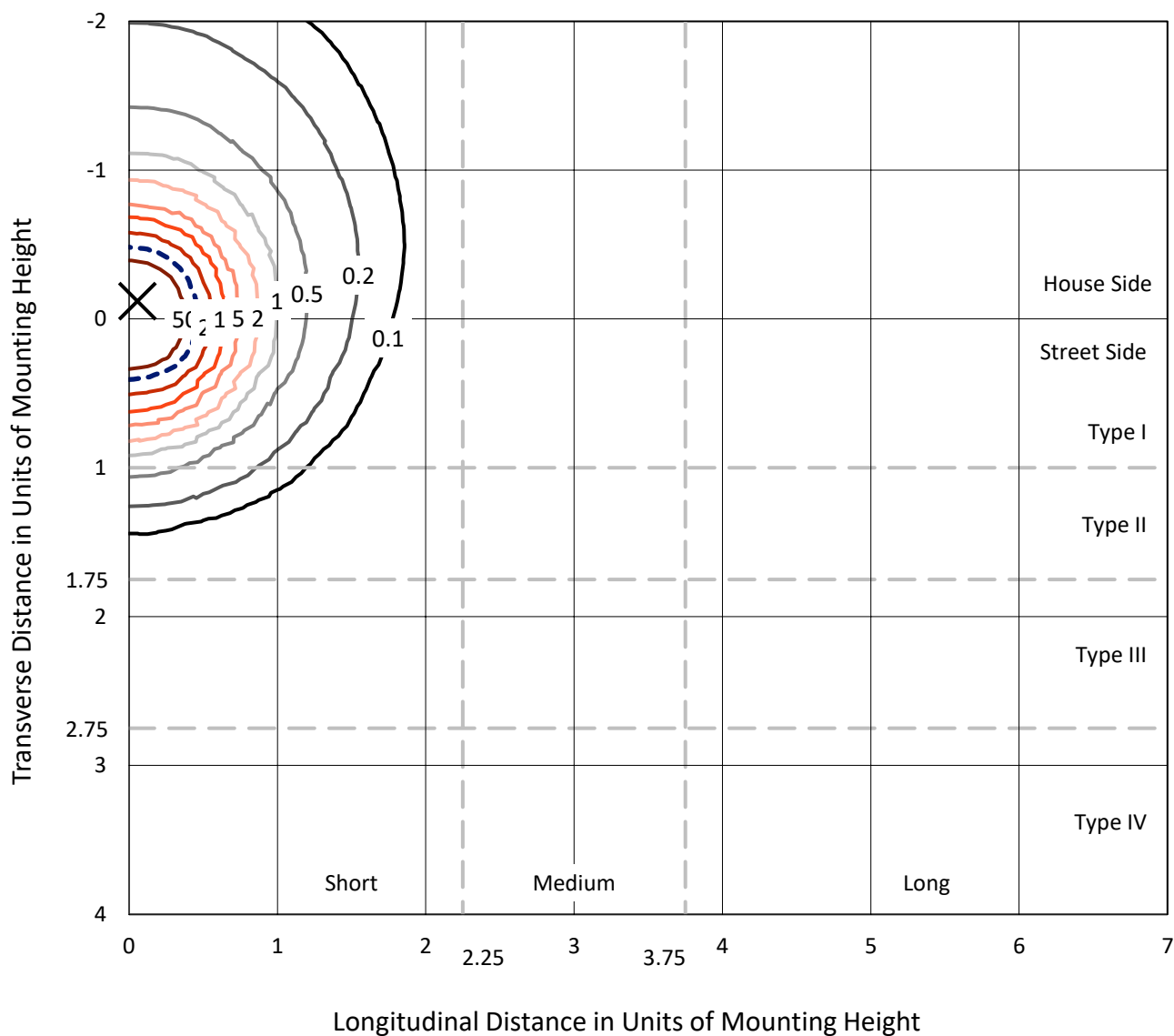
REPORT NUMBER: P637617

CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

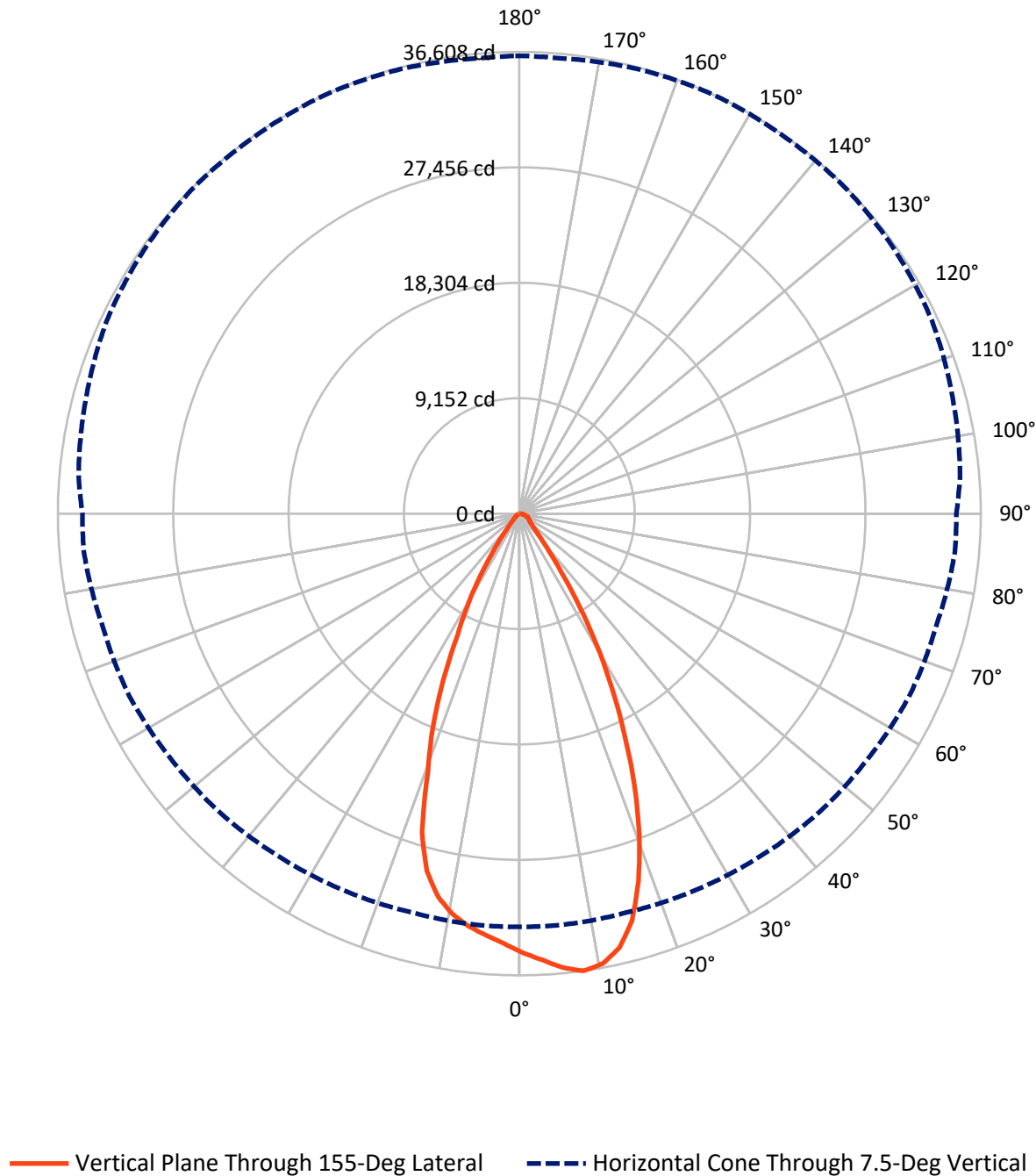


Based on 20 foot mounting height. Maximum calculated value = 88.5 fc

Type I - Short - N/A

REPORT NUMBER: P637617
CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P637617

CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13803.9	0.0	13803.9
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	11201.5	0.0	11201.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	25005.5	0.0	25005.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3321.7	13.3
10°-20°	8613.2	34.4
20°-30°	7892.1	31.6
30°-40°	3188.4	12.8
40°-50°	935.3	3.7
50°-60°	523.0	2.1
60°-70°	317.6	1.3
70°-80°	161.4	0.6
80°-90°	52.8	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°	25005.5	100.0
0°-180°	25005.5	100.0

Coefficient of Utilization



REPORT NUMBER: P637617

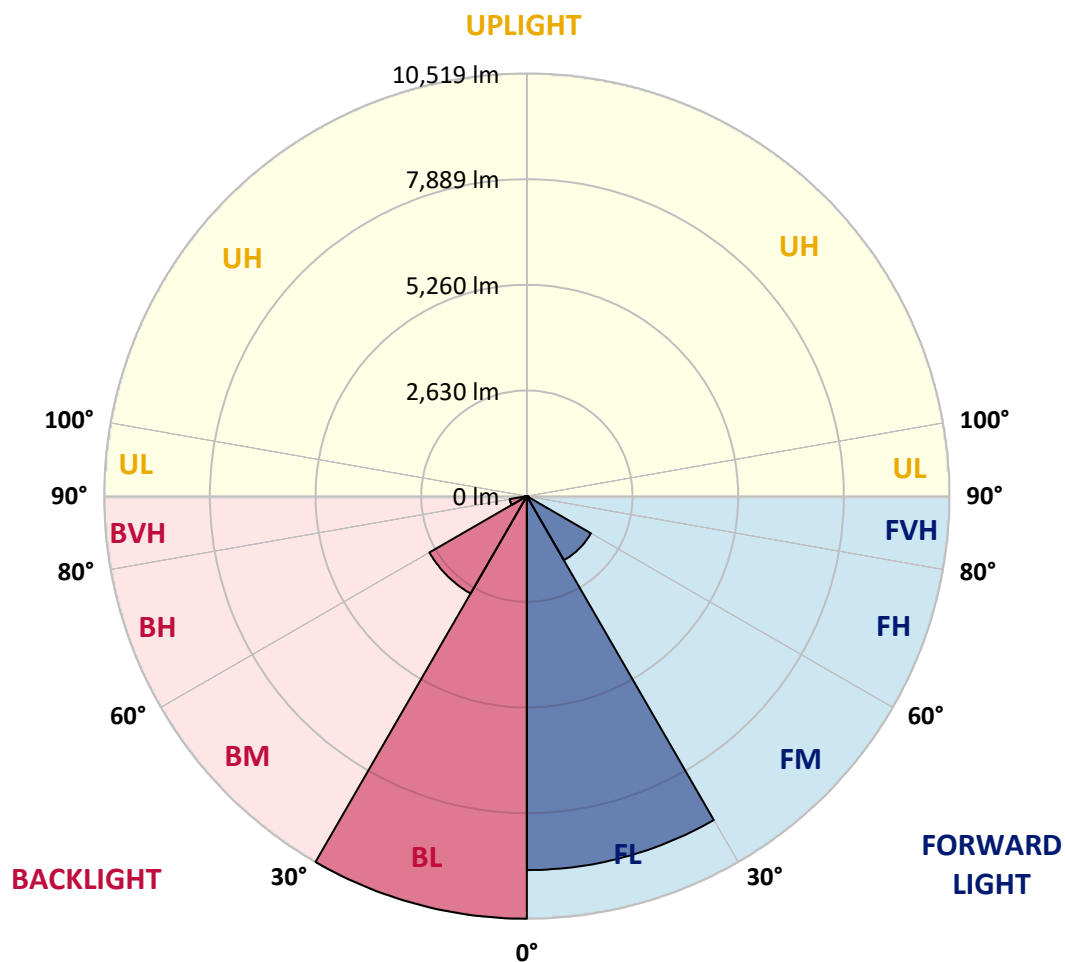
CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9307.7	37.2			
FM	(30°-60°)	1844.6	7.4			
FH	(60°-80°)	44.7	0.2			G0/660
FVH	(80°-90°)	4.6	0.0			G0/10
BL	(0°-30°)	10519.3	42.1	B5		
BM	(30°-60°)	2802.1	11.2	B3/5000		
BH	(60°-80°)	434.3	1.7	B1/500		G1/500
BVH	(80°-90°)	48.2	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-G1

Type I Short



REPORT NUMBER: P637617

CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5
2.5°	34079.1	34194.4	33963.7	34116.5	34234.8	34517.3	34540.4	34638.4	34673.0	34929.7
5°	33433.2	33522.6	33335.1	33539.9	33707.1	33958.0	34151.1	34422.2	34572.1	34874.9
7.5°	32761.3	32781.5	32744.0	32960.3	33211.2	33557.2	33796.5	34151.1	34243.4	34675.9
10°	31948.2	31801.2	31873.2	32190.4	32565.3	33095.8	33260.2	33614.8	33779.2	34220.3
12.5°	30650.7	30725.7	30636.3	31039.9	31351.4	31954.0	32127.0	32484.5	32798.8	33188.1
15°	28822.6	28779.3	28961.0	29275.3	29612.7	30091.3	30371.0	30760.3	30999.6	31403.3
17.5°	24713.7	24860.8	25610.5	26397.6	27089.7	27649.0	27983.5	28306.5	28479.5	28917.8
20°	21343.0	21158.5	21259.4	21703.5	23672.8	24529.2	24881.0	24958.8	25030.9	25376.9
22.5°	17574.4	17513.9	17851.2	18350.0	18817.2	20792.3	21270.9	21089.3	21239.2	21565.0
25°	13050.3	13356.0	13655.8	14613.1	15218.7	16187.5	17095.8	17176.5	17231.3	17436.0
27.5°	10622.5	10515.8	10510.0	10778.2	11672.1	12479.4	13252.2	13430.9	13399.2	13595.3
30°	8350.4	8315.8	8194.7	8258.1	8168.7	8886.7	9250.0	9985.3	9944.9	9950.7
32.5°	6023.5	5893.7	5844.7	5939.8	5847.6	5781.2	6098.4	6928.8	6914.4	6972.1
35°	3644.6	3627.3	3667.7	3751.3	3566.8	3561.0	3627.3	4408.7	4503.9	4596.2
37.5°	2012.6	1995.3	2027.0	2335.6	2275.0	2220.2	2237.5	2649.9	2923.8	2993.0
40°	1326.4	1323.5	1346.6	1401.3	1505.1	1485.0	1493.6	1678.1	1937.7	1998.2
42.5°	888.1	891.0	905.4	968.8	983.2	1087.0	1069.7	1113.0	1355.2	1407.1
45°	709.3	706.4	715.1	686.3	703.6	810.2	821.8	824.7	1032.3	1064.0
47.5°	559.4	559.4	568.0	530.5	521.9	588.2	648.8	657.4	824.7	867.9
50°	392.1	392.1	435.4	418.1	438.3	458.5	524.8	533.4	674.7	720.9
52.5°	288.3	294.1	299.9	302.8	369.1	366.2	423.9	464.2	510.4	591.1
55°	219.1	224.9	210.5	224.9	273.9	305.6	317.2	374.8	406.6	495.9
57.5°	144.2	158.6	147.1	173.0	184.5	236.4	253.7	308.5	328.7	406.6
60°	20.2	23.1	37.5	121.1	129.8	155.7	196.1	245.1	265.3	331.6
62.5°	2.9	2.9	8.7	20.2	86.5	103.8	147.1	170.1	196.1	248.0
65°	0.0	0.0	2.9	5.8	17.3	60.6	75.0	92.3	135.5	178.8
67.5°	0.0	0.0	2.9	5.8	8.7	20.2	31.7	60.6	77.9	124.0
70°	0.0	0.0	2.9	5.8	8.7	11.5	17.3	23.1	46.1	72.1
72.5°	0.0	0.0	2.9	5.8	8.7	11.5	14.4	17.3	20.2	46.1
75°	0.0	0.0	2.9	5.8	8.7	14.4	17.3	17.3	17.3	20.2
77.5°	0.0	0.0	2.9	5.8	11.5	17.3	20.2	17.3	14.4	14.4
80°	0.0	0.0	2.9	8.7	14.4	20.2	23.1	17.3	11.5	8.7
82.5°	0.0	0.0	2.9	8.7	14.4	20.2	23.1	20.2	11.5	8.7
85°	0.0	0.0	2.9	8.7	11.5	14.4	23.1	20.2	11.5	5.8
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	11.5	8.7	5.8	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P637617

CATALOG NUMBER: IFLD-S-SA6A-735-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
34834.5	0°	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5	34834.5
34923.9	2.5°	35183.4	35313.2	35541.0	35604.4	35800.5	35575.6	35451.6	35463.1	35194.9
34837.4	5°	35183.4	35480.4	35878.3	36068.6	36212.8	36201.3	36169.5	36088.8	35892.7
34664.4	7.5°	35091.1	35575.6	36123.4	36377.1	36550.1	36535.7	36607.8	36478.1	36238.7
34355.9	10°	34794.1	35215.1	35889.8	36097.4	36377.1	36382.9	36293.5	36319.5	35892.7
33228.5	12.5°	33859.9	34188.6	34779.7	35016.2	35356.4	35411.2	35313.2	35275.7	34872.0
31380.2	15°	32052.0	32242.3	32836.3	33072.7	33410.1	33364.0	33462.0	33421.6	33067.0
28883.1	17.5°	29407.9	29468.5	30091.3	30290.3	30607.4	30731.4	30584.4	30771.8	30466.1
25437.5	20°	25616.2	25942.1	26642.7	26948.4	27132.9	27354.9	27161.8	27372.2	27014.7
21256.5	22.5°	21769.8	21963.0	22597.3	23038.5	23381.6	23424.8	23352.8	23499.8	23018.3
17571.5	25°	17568.6	17888.7	18390.4	18967.1	19304.5	19512.1	19324.6	19419.8	19341.9
13627.0	27.5°	13857.7	14143.1	14520.9	14950.5	15458.0	15729.0	15579.1	15740.6	15359.9
10161.1	30°	10169.8	10314.0	10740.7	11196.3	11752.8	12081.5	12095.9	12260.3	12035.4
7119.1	32.5°	7171.0	7297.9	7560.3	7863.1	8393.6	8759.8	8702.1	8725.2	8586.8
4639.4	35°	4662.5	4832.6	5020.0	5164.2	5484.3	5887.9	5856.2	5827.4	5732.2
3050.7	37.5°	3117.0	3183.3	3287.1	3416.8	3624.5	3878.2	3961.8	3858.0	3817.6
2058.8	40°	2107.8	2223.1	2292.3	2390.3	2488.4	2701.8	2759.4	2739.2	2698.9
1441.7	42.5°	1496.5	1585.9	1672.4	1767.5	1819.4	1952.1	2064.5	2032.8	2015.5
1095.7	45°	1136.1	1216.8	1317.7	1389.8	1441.7	1519.6	1626.2	1637.8	1611.8
879.4	47.5°	911.2	983.2	1064.0	1153.4	1213.9	1262.9	1355.2	1389.8	1372.5
741.0	50°	772.8	827.5	905.4	994.8	1061.1	1104.3	1185.1	1222.6	1211.0
619.9	52.5°	657.4	723.7	795.8	870.8	951.5	994.8	1069.7	1124.5	1115.9
513.2	55°	545.0	631.5	706.4	781.4	873.7	916.9	983.2	1055.3	1040.9
435.4	57.5°	475.8	547.8	625.7	697.8	795.8	853.5	914.0	989.0	986.1
357.5	60°	397.9	470.0	556.5	617.1	720.9	801.6	856.4	934.2	940.0
271.0	62.5°	317.2	406.6	472.9	556.5	651.7	746.8	798.7	876.6	905.4
207.6	65°	236.4	334.5	409.4	493.1	582.4	689.1	735.3	813.1	842.0
149.9	67.5°	175.9	250.9	346.0	418.1	519.0	611.3	666.1	738.2	758.3
89.4	70°	132.6	193.2	288.3	351.8	455.6	530.5	585.3	640.1	666.1
60.6	72.5°	77.9	144.2	227.8	302.8	392.1	455.6	495.9	539.2	556.5
28.8	75°	54.8	109.6	178.8	250.9	317.2	369.1	406.6	444.0	461.3
14.4	77.5°	28.8	80.7	141.3	201.8	248.0	291.2	328.7	357.5	369.1
11.5	80°	17.3	57.7	115.3	158.6	190.3	227.8	265.3	285.5	282.6
8.7	82.5°	11.5	46.1	83.6	115.3	138.4	167.2	193.2	207.6	207.6
5.8	85°	8.7	31.7	57.7	89.4	92.3	115.3	121.1	135.5	138.4
5.8	87.5°	5.8	20.2	31.7	51.9	49.0	60.6	63.4	72.1	77.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
34834.5
34978.7
35956.2
36293.5
35768.7
34779.7
33179.4
30391.2
26985.9
22952.0
19292.9
15458.0
12075.7
8664.7
5648.6
3809.0
2704.6
2001.1
1608.9
1363.9
1208.2
1110.1
1040.9
983.2
940.0
902.5
839.1
758.3
660.3
550.7
455.6
366.2
279.7
204.7
135.5
75.0
0.0

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