

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: P636460

Luminaire Tested: **IFLD-S-SA6D-930-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636460
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-930-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24213.8 lumens
Efficiency: N/A
Efficacy: 65.8 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): 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

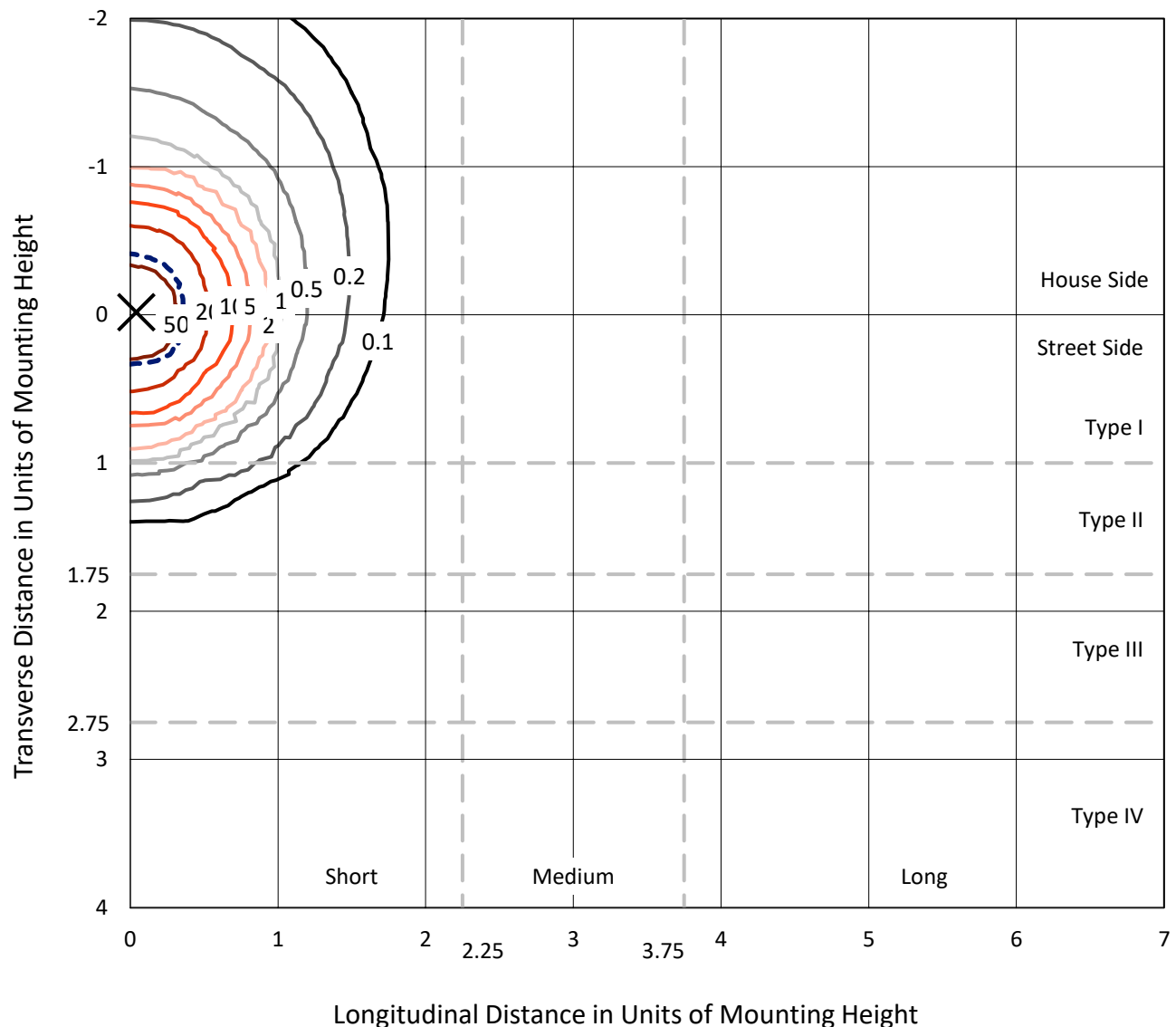


REPORT NUMBER: P636460

CATALOG NUMBER: IFLD-S-SA6D-930-U-55-VI

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

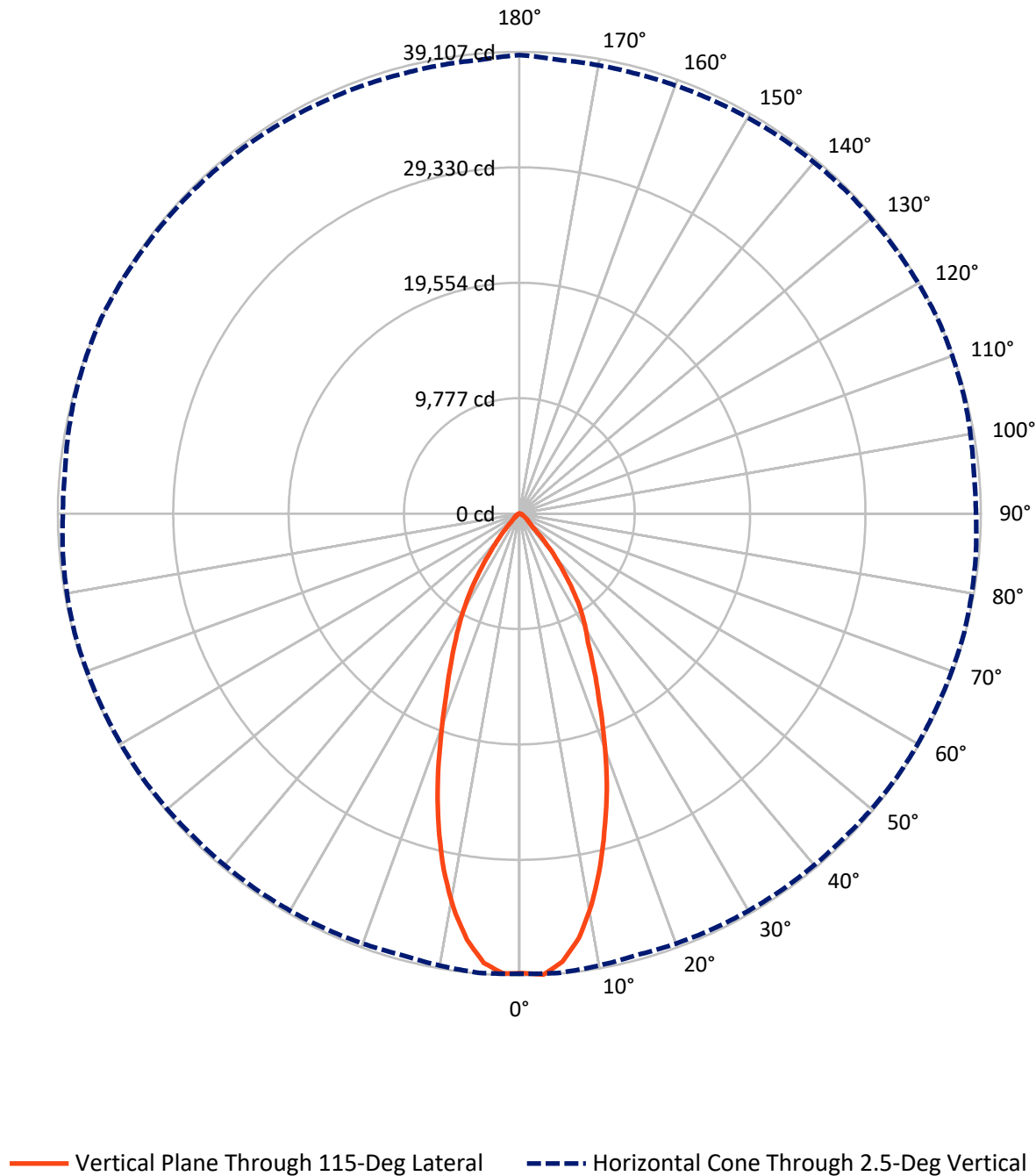


Based on 20 foot mounting height. Maximum calculated value = 97.3 fc

Type I - Short - N/A

REPORT NUMBER: P636460
CATALOG NUMBER: IFLD-S-SA6D-930-U-55-VI

Luminous Intensity Polar Plot



REPORT NUMBER: P636460

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13363.2	0.0	13363.2
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	10850.6	0.0	10850.6
	% Fixture	44.8	0.0	44.8
Total	Lumens	24213.8	0.0	24213.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3491.2	14.4
10°-20°	7378.5	30.5
20°-30°	6659.5	27.5
30°-40°	4407.0	18.2
40°-50°	1320.1	5.5
50°-60°	529.6	2.2
60°-70°	274.2	1.1
70°-80°	119.1	0.5
80°-90°	34.6	0.1
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°	24213.8	100.0
0°-180°	24213.8	100.0

Coefficient of Utilization



REPORT NUMBER: P636460

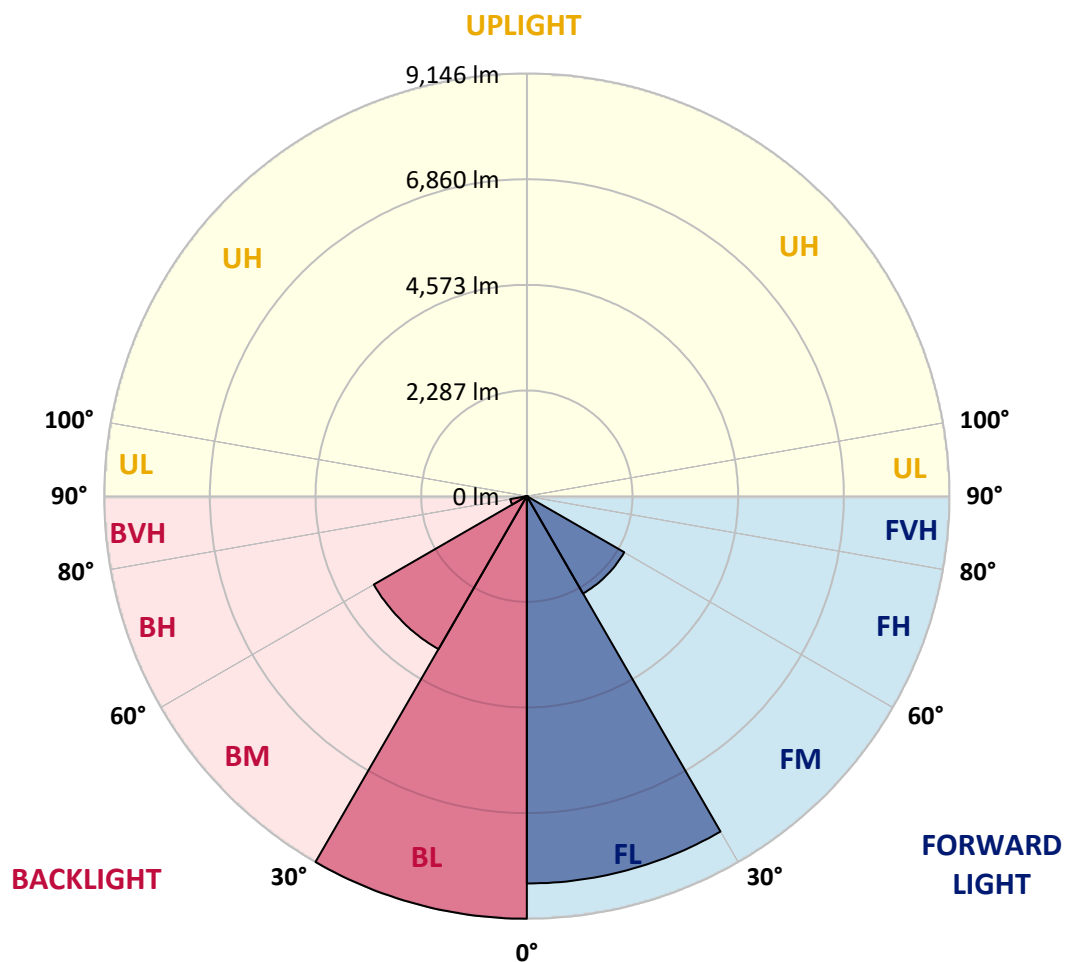
CATALOG NUMBER: IFLD-S-SA6D-930-U-55-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8383.0	34.6			
FM	(30°-60°)	2432.5	10.0			
FH	(60°-80°)	30.1	0.1			G0/660
FVH	(80°-90°)	5.0	0.0			G0/10
BL	(0°-30°)	9146.2	37.8	B5		
BM	(30°-60°)	3824.2	15.8	B3/5000		
BH	(60°-80°)	363.1	1.5	B1/500		G1/500
BVH	(80°-90°)	29.6	0.1			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: P636460

CATALOG NUMBER: IFLD-S-SA6D-930-U-55-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7
2.5°	38973.2	39042.6	38695.9	38814.8	38864.3	38879.2	39003.0	38983.2	39017.8	38834.6
5°	38458.2	38324.5	38067.0	38072.0	38057.1	37918.4	38200.7	38180.9	38121.5	37903.6
7.5°	36705.2	36898.3	36413.0	36403.1	36393.2	36224.8	36596.2	36368.4	36417.9	36106.0
10°	34140.0	34164.7	33733.9	33694.3	33728.9	33511.0	33941.9	33852.7	33946.8	33620.0
12.5°	30995.4	31134.0	30658.6	30589.3	30728.0	30420.9	30767.6	30812.1	30673.5	30628.9
15°	24310.0	24676.5	25577.7	26954.4	27311.0	27053.5	27330.8	27325.8	27385.3	27048.5
17.5°	18521.0	18555.6	18342.7	19001.3	22814.5	24052.5	24111.9	23641.5	23284.9	23161.1
20°	16168.7	16287.5	16094.4	16148.9	16758.0	20387.9	20526.6	19818.4	19209.3	19159.8
22.5°	14296.8	14371.1	14232.4	14277.0	14306.7	14732.6	17144.3	16520.3	16228.1	16005.3
25°	12712.1	12712.1	12637.8	12652.7	12623.0	11994.1	13232.1	13945.2	13776.8	13697.6
27.5°	11266.1	11285.9	11191.8	11246.3	10884.8	9869.6	9721.0	11825.7	11647.4	11503.8
30°	9894.4	9958.7	9869.6	9899.3	9111.9	8280.0	7854.1	9864.6	10087.5	10047.9
32.5°	7448.0	7740.2	8458.2	8487.9	7418.3	6779.5	6591.3	7918.5	8765.3	8691.0
35°	4615.4	4600.5	4630.2	6056.5	5690.0	5254.2	5323.5	5982.2	6937.9	6903.3
37.5°	3521.0	3516.0	3570.5	3426.9	3729.0	3986.5	4040.9	4040.9	5066.0	5071.0
40°	2669.2	2649.4	2644.4	2416.6	2025.4	2991.1	2901.9	2827.7	3521.0	3595.2
42.5°	1703.5	1763.0	1718.4	1470.8	1322.2	1634.2	1822.4	1763.0	2174.0	2228.5
45°	950.8	950.8	911.2	772.5	767.6	827.0	1039.9	970.6	1114.2	1188.5
47.5°	460.5	450.6	495.2	609.1	633.9	614.1	742.8	772.5	841.9	911.2
50°	371.4	371.4	351.6	316.9	524.9	505.1	549.7	589.3	628.9	688.3
52.5°	312.0	312.0	287.2	267.4	302.1	386.3	391.2	465.5	460.5	544.7
55°	158.5	163.4	232.8	232.8	203.0	316.9	321.9	376.4	386.3	455.6
57.5°	14.9	19.8	29.7	143.6	158.5	173.3	242.7	277.3	321.9	351.6
60°	5.0	5.0	9.9	19.8	94.1	118.9	153.5	183.2	222.8	292.2
62.5°	0.0	0.0	5.0	9.9	19.8	74.3	84.2	94.1	133.7	183.2
65°	0.0	0.0	5.0	5.0	9.9	24.8	34.7	59.4	84.2	113.9
67.5°	0.0	0.0	5.0	5.0	9.9	14.9	19.8	29.7	39.6	74.3
70°	0.0	0.0	5.0	5.0	9.9	14.9	14.9	19.8	24.8	34.7
72.5°	0.0	0.0	5.0	5.0	9.9	19.8	14.9	14.9	19.8	24.8
75°	0.0	0.0	5.0	5.0	9.9	14.9	14.9	14.9	14.9	14.9
77.5°	0.0	0.0	5.0	5.0	9.9	14.9	14.9	14.9	9.9	9.9
80°	0.0	0.0	5.0	5.0	9.9	14.9	19.8	19.8	9.9	9.9
82.5°	0.0	0.0	5.0	9.9	9.9	24.8	29.7	24.8	9.9	5.0
85°	0.0	0.0	5.0	5.0	14.9	24.8	24.8	14.9	9.9	5.0
87.5°	0.0	0.0	0.0	5.0	5.0	9.9	14.9	14.9	5.0	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P636460

CATALOG NUMBER: IFLD-S-SA6D-930-U-55-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
38923.7	0°	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7	38923.7
38686.0	2.5°	38666.2	38968.3	39107.0	38963.3	38894.0	38795.0	38651.4	38552.3	38572.1
37784.7	5°	37700.5	38017.5	38126.4	38002.6	37898.6	37844.2	37819.4	37868.9	37997.7
35972.3	7.5°	35962.4	36165.4	36284.2	36224.8	36081.2	36244.6	36289.2	36259.5	36447.7
33521.0	10°	33530.9	33753.7	33644.8	33669.5	33501.1	33585.3	33560.6	33669.5	33857.7
30594.2	12.5°	30396.2	30609.1	30524.9	30510.1	30331.8	30490.3	30391.2	30510.1	30757.7
26909.9	15°	27103.0	27236.7	27182.2	27098.0	26939.6	26994.0	27301.1	27281.3	27390.2
23086.8	17.5°	22987.8	23631.6	23983.2	24057.4	23928.7	24037.6	24255.5	24201.0	24448.7
19055.8	20°	19021.1	19669.9	20536.5	21239.7	21254.5	21269.4	21408.0	21442.7	21655.7
16010.2	22.5°	15940.9	16401.4	17332.4	18263.4	18907.2	19040.9	19026.1	19075.6	19135.0
13588.6	25°	13554.0	13890.7	14742.5	15386.3	16515.3	16891.7	17000.7	16891.7	16926.4
11454.3	27.5°	11583.0	12098.0	12380.3	13068.7	14173.0	15044.6	15009.9	14945.5	14955.4
9968.6	30°	9963.7	10518.3	10934.3	11142.3	11974.2	13232.1	13360.8	13177.6	13182.6
8656.3	32.5°	8601.8	8775.2	9389.2	9557.6	10092.4	11236.4	11677.1	11538.5	11513.7
6923.1	35°	7126.1	7220.2	7502.5	7834.3	8151.2	9017.8	9745.8	9617.0	9681.4
5090.8	37.5°	5071.0	5457.2	5729.6	6002.0	6229.8	6774.5	7651.0	7532.2	7596.6
3605.1	40°	3575.4	3748.8	4219.2	4338.1	4674.8	4927.4	5670.2	5630.6	5709.8
2238.4	42.5°	2198.7	2322.5	2560.3	2674.1	2901.9	3045.6	3481.3	3530.9	3634.9
1238.0	45°	1247.9	1302.4	1465.8	1589.6	1758.0	1817.4	1970.9	2040.3	2099.7
960.7	47.5°	950.8	1010.2	1119.2	1228.1	1366.8	1416.3	1525.3	1629.3	1683.7
742.8	50°	777.5	832.0	945.9	1035.0	1173.7	1218.2	1307.4	1421.3	1490.6
564.5	52.5°	589.3	668.5	807.2	901.3	1044.9	1099.4	1183.6	1297.5	1361.8
465.5	55°	485.3	544.7	668.5	797.3	931.0	1005.3	1059.8	1198.4	1267.7
381.3	57.5°	416.0	460.5	539.8	693.3	807.2	916.1	960.7	1089.5	1158.8
302.1	60°	316.9	386.3	455.6	574.4	703.2	817.1	866.6	980.5	1035.0
217.9	62.5°	262.5	307.0	396.2	460.5	604.2	723.0	772.5	876.5	916.1
143.6	65°	183.2	247.6	331.8	371.4	505.1	619.0	688.3	767.6	807.2
84.2	67.5°	108.9	183.2	262.5	316.9	411.0	524.9	599.2	673.5	708.2
49.5	70°	69.3	143.6	208.0	267.4	321.9	430.8	520.0	584.4	569.5
29.7	72.5°	39.6	89.1	153.5	217.9	267.4	361.5	445.7	495.2	351.6
19.8	75°	24.8	64.4	128.8	178.3	217.9	287.2	366.5	376.4	217.9
9.9	77.5°	19.8	49.5	99.0	143.6	148.6	212.9	257.5	292.2	163.4
9.9	80°	9.9	39.6	84.2	118.9	94.1	148.6	198.1	227.8	128.8
5.0	82.5°	9.9	24.8	64.4	84.2	69.3	113.9	143.6	163.4	108.9
5.0	85°	5.0	19.8	34.7	49.5	49.5	74.3	64.4	79.2	69.3
5.0	87.5°	5.0	9.9	19.8	24.8	19.8	29.7	34.7	34.7	29.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
38923.7
38839.5
38265.1
36635.8
33932.0
30802.2
27415.0
24409.0
21611.1
19026.1
16871.9
14970.3
13187.5
11573.1
9740.8
7651.0
5739.5
3753.7
2094.8
1708.5
1520.3
1406.4
1287.6
1188.5
1044.9
921.1
807.2
703.2
524.9
312.0
203.0
163.4
133.7
118.9
69.3
24.8
0.0

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