

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: P636592

Luminaire Tested: **IFLD-S-SA2A-930-U-66-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636592
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-930-U-66-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor
Light Source: (32) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4704.5 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G0

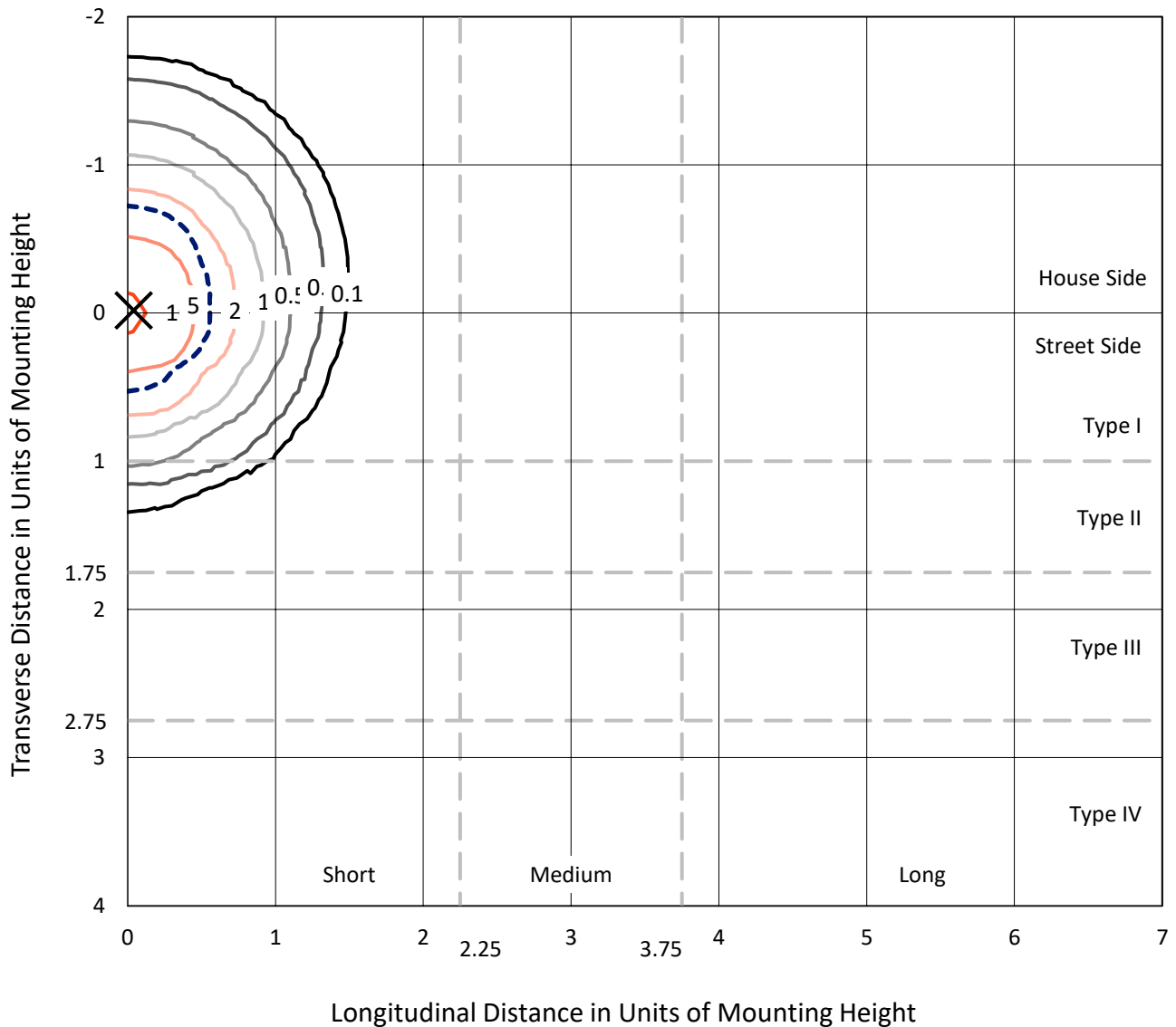
Input Watts (W): 63.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636592
 CATALOG NUMBER: IFLD-S-SA2A-930-U-66-VI

Iso-Footcandle Lines of Horizontal Illumination

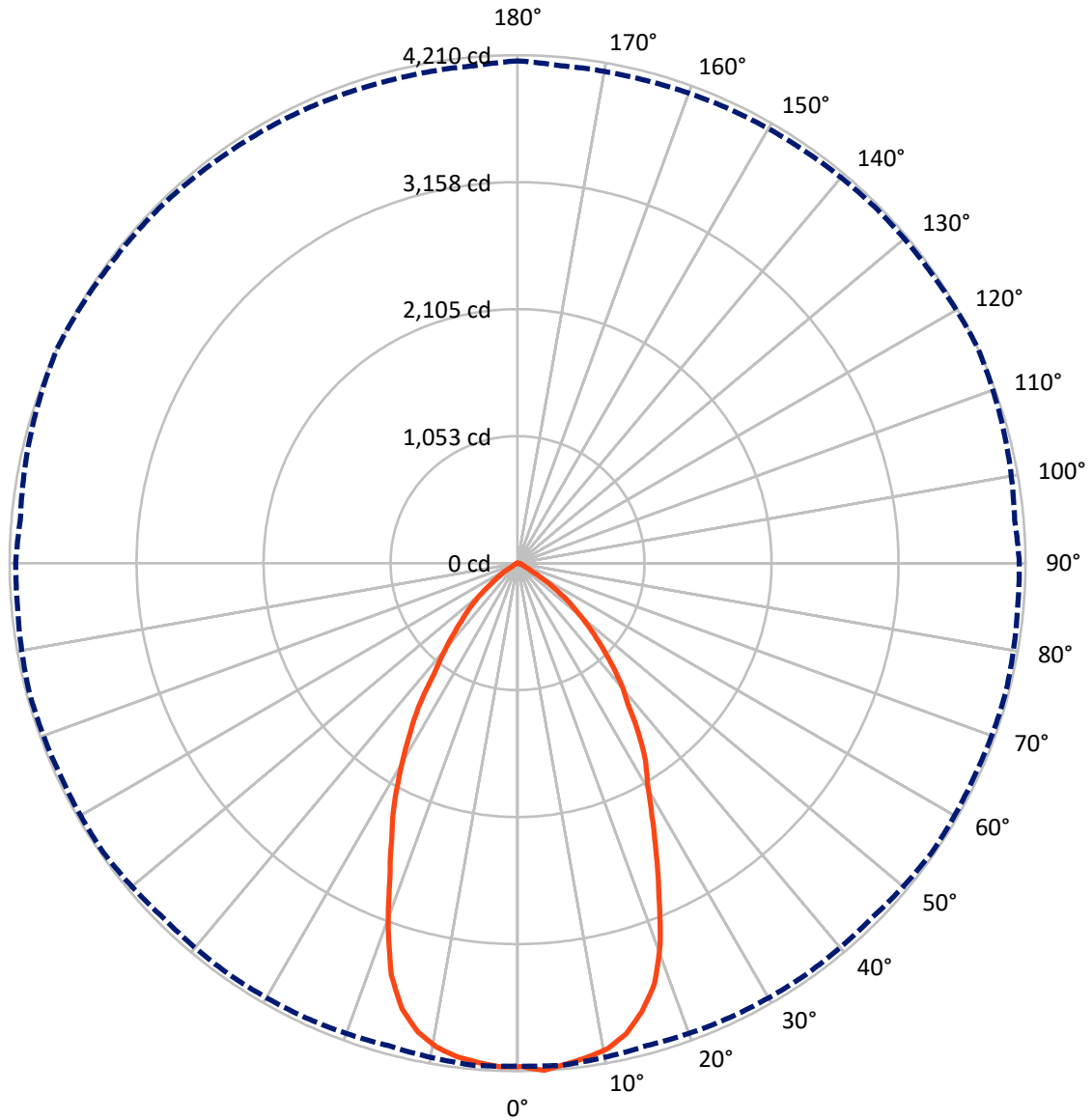
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.4 fc
 Type I - Short - N/A

REPORT NUMBER: P636592
CATALOG NUMBER: IFLD-S-SA2A-930-U-66-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 115-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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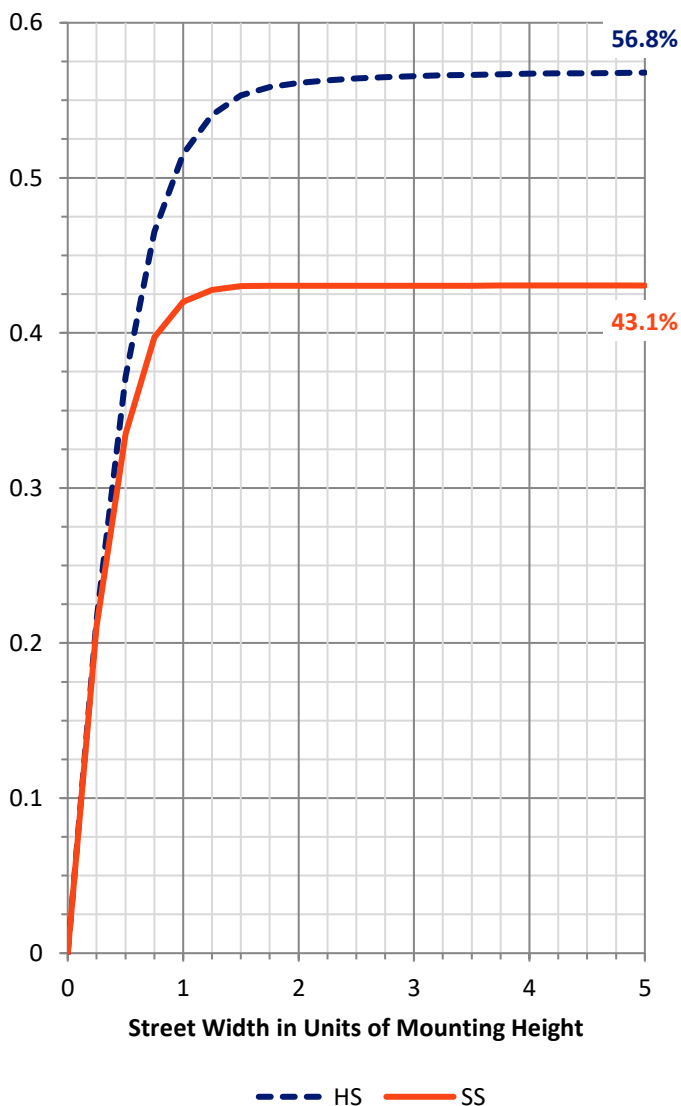
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2692.3	0.0	2692.3
	% Fixture	57.2	0.0	57.2
Street Side	Lumens	2012.2	0.0	2012.2
	% Fixture	42.8	0.0	42.8
Total	Lumens	4704.5	0.0	4704.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	8.4
10°-20°	1042.4	22.2
20°-30°	1192.3	25.3
30°-40°	1021.8	21.7
40°-50°	675.6	14.4
50°-60°	294.8	6.3
60°-70°	57.9	1.2
70°-80°	20.9	0.4
80°-90°	5.6	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°	4704.5	100.0
0°-180°	4704.5	100.0



REPORT NUMBER: P636592

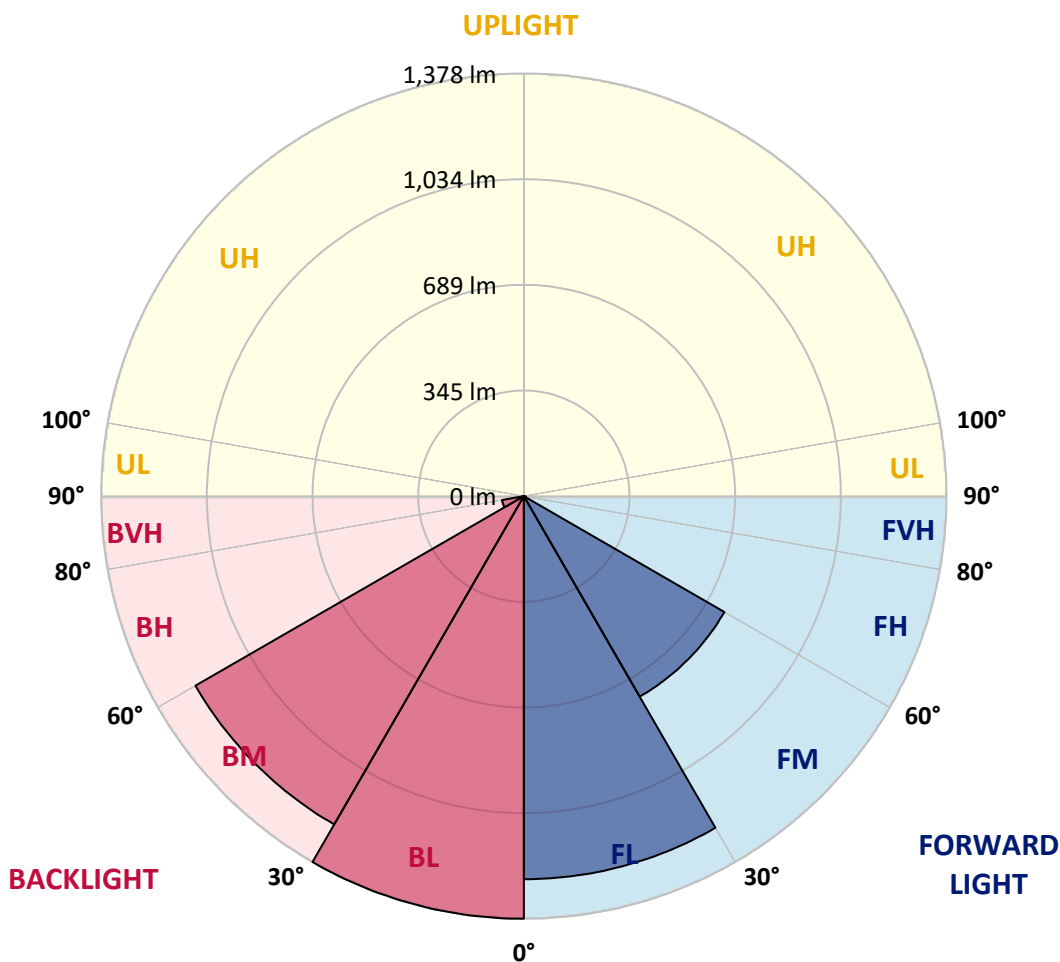
CATALOG NUMBER: IFLD-S-SA2A-930-U-66-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.4	26.6			
FM (30°-60°)	755.4	16.1			
FH (60°-80°)	6.4	0.1			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	1378.5	29.3	B3/2500		
BM (30°-60°)	1236.8	26.3	B2/2500		
BH (60°-80°)	72.4	1.5	B0/110		G0/110
BVH (80°-90°)	4.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type I Short





REPORT NUMBER: P636592
 CATALOG NUMBER: IFLD-S-SA2A-930-U-66-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1
2.5°	4168.1	4178.1	4140.1	4157.1	4164.1	4155.1	4188.1	4178.1	4186.1	4161.1
5°	4168.1	4178.1	4134.1	4142.1	4144.1	4127.1	4163.1	4151.1	4152.1	4126.1
7.5°	4142.1	4154.1	4114.1	4120.1	4121.1	4107.1	4138.1	4121.1	4115.1	4088.1
10°	4072.1	4079.1	4043.1	4058.1	4072.1	4059.1	4086.1	4067.1	4067.1	4043.1
12.5°	3961.1	3974.1	3934.1	3952.1	3964.1	3949.1	3980.1	3973.1	3974.1	3950.1
15°	3759.1	3714.1	3762.1	3798.1	3799.1	3796.1	3825.1	3818.1	3823.1	3787.1
17.5°	2777.1	2766.1	2822.1	3247.1	3563.1	3606.1	3611.1	3573.1	3556.1	3521.1
20°	2573.0	2581.0	2569.0	2571.0	2820.1	3337.1	3306.1	3212.1	3169.1	3134.1
22.5°	2424.0	2411.0	2403.0	2398.0	2405.0	2742.1	2965.1	2823.1	2800.1	2783.1
25°	2262.0	2256.0	2246.0	2244.0	2240.0	2183.0	2504.0	2517.0	2480.0	2459.0
27.5°	2111.0	2107.0	2096.0	2095.0	2049.0	1911.0	1946.0	2255.0	2245.0	2237.0
30°	1950.0	1942.0	1936.0	1936.0	1797.0	1655.0	1598.0	1966.0	1966.0	1959.0
32.5°	1775.0	1768.0	1770.0	1746.0	1580.0	1450.0	1360.0	1697.0	1802.0	1796.0
35°	1085.0	1083.0	1286.0	1553.0	1358.0	1240.0	1234.0	1452.0	1605.0	1621.0
37.5°	966.0	960.0	963.0	980.0	1163.0	1116.0	1114.0	1151.0	1366.0	1374.0
40°	867.0	863.0	860.0	799.0	741.0	996.0	989.0	965.0	1167.0	1181.0
42.5°	773.0	769.0	769.0	683.0	589.0	819.0	822.0	794.0	984.0	989.0
45°	676.0	673.0	656.0	545.0	518.0	544.0	681.0	649.0	781.0	833.0
47.5°	319.0	317.0	459.0	453.0	451.0	435.0	520.0	538.0	620.0	672.0
50°	256.0	254.0	242.0	213.0	371.0	330.0	375.0	414.0	440.0	488.0
52.5°	212.0	210.0	185.0	164.0	206.0	241.0	224.0	277.0	276.0	328.0
55°	139.0	129.0	142.0	134.0	108.0	175.0	171.0	210.0	205.0	250.0
57.5°	3.0	3.0	7.0	76.0	68.0	74.0	98.0	120.0	135.0	148.0
60°	1.0	1.0	2.0	4.0	28.0	31.0	38.0	44.0	62.0	77.0
62.5°	0.0	0.0	1.0	2.0	4.0	16.0	18.0	21.0	29.0	40.0
65°	0.0	0.0	0.0	1.0	2.0	4.0	6.0	13.0	18.0	23.0
67.5°	0.0	0.0	0.0	1.0	1.0	2.0	4.0	6.0	8.0	16.0
70°	0.0	0.0	0.0	1.0	1.0	2.0	3.0	4.0	6.0	8.0
72.5°	0.0	0.0	0.0	1.0	1.0	3.0	2.0	3.0	4.0	5.0
75°	0.0	0.0	0.0	1.0	1.0	1.0	2.0	3.0	3.0	4.0
77.5°	0.0	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0
80°	0.0	0.0	0.0	1.0	1.0	2.0	3.0	4.0	2.0	2.0
82.5°	0.0	0.0	0.0	2.0	1.0	4.0	6.0	5.0	2.0	1.0
85°	0.0	0.0	0.0	1.0	4.0	5.0	5.0	3.0	1.0	1.0
87.5°	0.0	0.0	0.0	1.0	1.0	2.0	3.0	3.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636592
 CATALOG NUMBER: IFLD-S-SA2A-930-U-66-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
4174.1	0°	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1	4174.1
4159.1	2.5°	4136.1	4175.1	4210.1	4188.1	4180.1	4164.1	4152.1	4139.1	4138.1
4123.1	5°	4100.1	4137.1	4171.1	4145.1	4147.1	4139.1	4131.1	4128.1	4130.1
4086.1	7.5°	4069.1	4100.1	4137.1	4115.1	4121.1	4116.1	4112.1	4106.1	4115.1
4038.1	10°	4022.1	4050.1	4093.1	4072.1	4069.1	4064.1	4060.1	4049.1	4054.1
3951.1	12.5°	3919.1	3954.1	4003.1	3979.1	3987.1	3973.1	3967.1	3960.1	3961.1
3800.1	15°	3779.1	3806.1	3856.1	3837.1	3843.1	3834.1	3834.1	3834.1	3841.1
3526.1	17.5°	3535.1	3590.1	3669.1	3645.1	3654.1	3656.1	3654.1	3661.1	3670.1
3136.1	20°	3138.1	3232.1	3376.1	3423.1	3442.1	3443.1	3429.1	3446.1	3464.1
2771.1	22.5°	2773.1	2872.1	2999.1	3128.1	3208.1	3204.1	3206.1	3217.1	3236.1
2446.0	25°	2457.0	2552.0	2667.1	2782.1	2957.1	2993.1	2994.1	3004.1	3019.1
2224.0	27.5°	2229.0	2266.0	2371.0	2487.0	2675.1	2790.1	2784.1	2793.1	2809.1
1946.0	30°	1954.0	2096.0	2120.0	2191.0	2353.0	2564.0	2565.0	2575.0	2591.0
1782.0	32.5°	1777.0	1871.0	1945.0	1947.0	2085.0	2302.0	2345.0	2355.0	2366.0
1612.0	35°	1611.0	1622.0	1722.0	1750.0	1830.0	2045.0	2121.0	2127.0	2145.0
1371.0	37.5°	1394.0	1459.0	1487.0	1587.0	1591.0	1765.0	1916.0	1910.0	1924.0
1180.0	40°	1195.0	1257.0	1328.0	1401.0	1411.0	1541.0	1708.0	1714.0	1720.0
979.0	42.5°	987.0	1066.0	1139.0	1188.0	1256.0	1331.0	1490.0	1518.0	1532.0
839.0	45°	854.0	876.0	963.0	1035.0	1104.0	1139.0	1288.0	1339.0	1348.0
664.0	47.5°	673.0	747.0	806.0	867.0	953.0	984.0	1092.0	1163.0	1170.0
493.0	50°	520.0	573.0	654.0	709.0	809.0	826.0	900.0	992.0	1001.0
330.0	52.5°	372.0	444.0	523.0	576.0	672.0	694.0	749.0	837.0	843.0
253.0	55°	267.0	314.0	379.0	455.0	525.0	574.0	612.0	696.0	704.0
166.0	57.5°	182.0	226.0	253.0	329.0	371.0	424.0	455.0	519.0	525.0
79.0	60°	87.0	108.0	129.0	167.0	194.0	239.0	259.0	285.0	292.0
48.0	62.5°	56.0	66.0	84.0	100.0	126.0	154.0	162.0	184.0	192.0
30.0	65°	37.0	47.0	66.0	70.0	96.0	118.0	128.0	144.0	153.0
18.0	67.5°	21.0	33.0	49.0	58.0	76.0	97.0	108.0	122.0	130.0
12.0	70°	14.0	27.0	39.0	48.0	60.0	78.0	92.0	104.0	109.0
6.0	72.5°	8.0	17.0	27.0	38.0	48.0	65.0	78.0	88.0	58.0
4.0	75°	5.0	13.0	23.0	32.0	40.0	52.0	63.0	62.0	26.0
3.0	77.5°	4.0	10.0	20.0	27.0	33.0	36.0	45.0	51.0	20.0
2.0	80°	3.0	8.0	18.0	23.0	13.0	26.0	35.0	38.0	14.0
2.0	82.5°	2.0	5.0	15.0	16.0	9.0	19.0	28.0	25.0	10.0
1.0	85°	1.0	3.0	5.0	9.0	8.0	9.0	7.0	10.0	7.0
1.0	87.5°	1.0	2.0	4.0	4.0	4.0	3.0	4.0	4.0	4.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
4174.1
4162.1
4155.1
4140.1
4078.1
3990.1
3844.1
3700.1
3476.1
3239.1
3045.1
2824.1
2619.1
2391.0
2164.0
1941.0
1739.0
1552.0
1370.0
1187.0
1014.0
854.0
711.0
537.0
300.0
194.0
153.0
129.0
108.0
47.0
26.0
20.0
15.0
10.0
7.0
4.0
0.0

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