

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: P477392

Luminaire Tested: **IFLD-S-SA6B-740-U-T3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477392
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3 distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

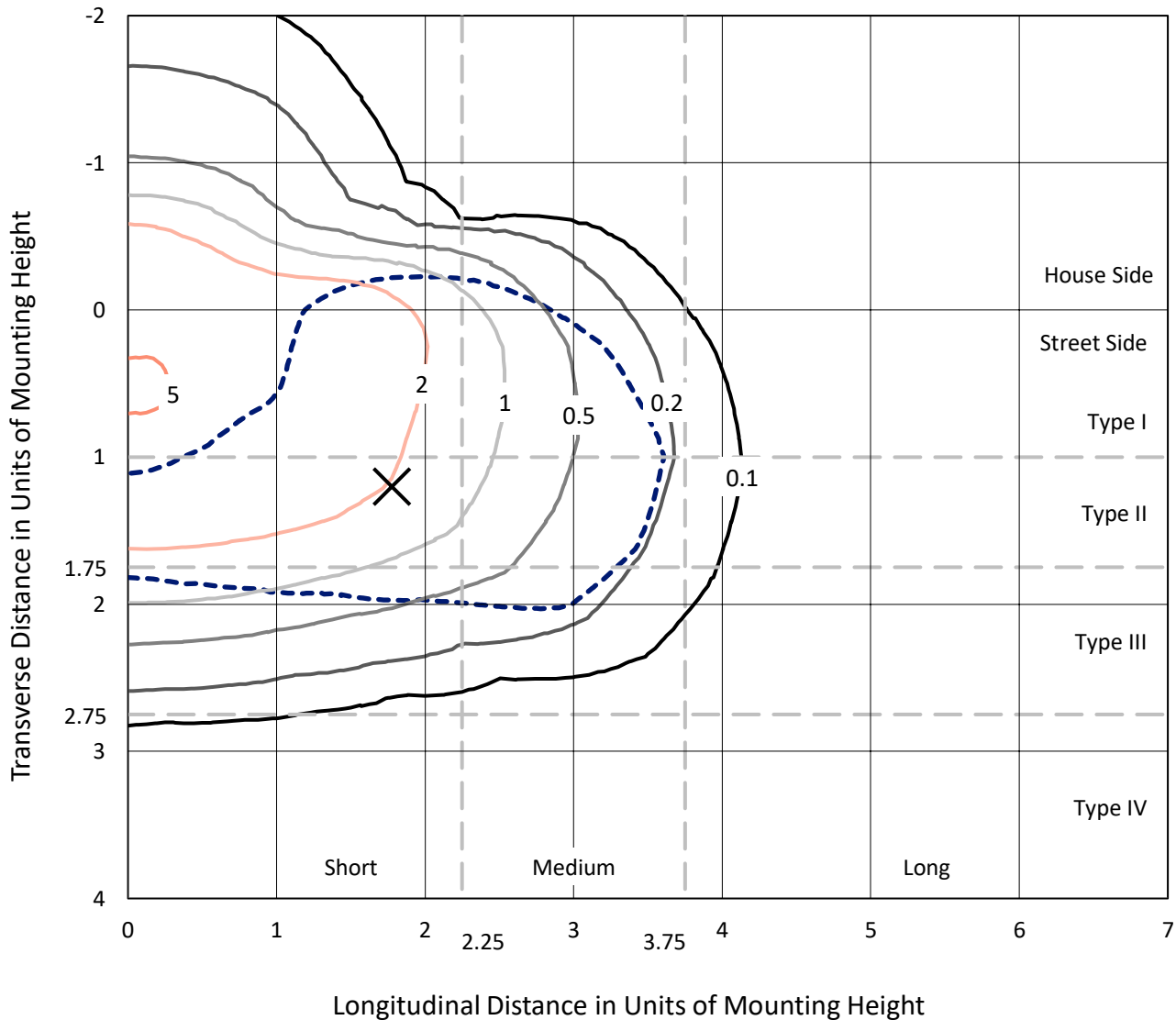
Lumens per Lamp: N/A
Luminaire Lumens: 33997.9 lumens
Efficiency: N/A
Efficacy: 138.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

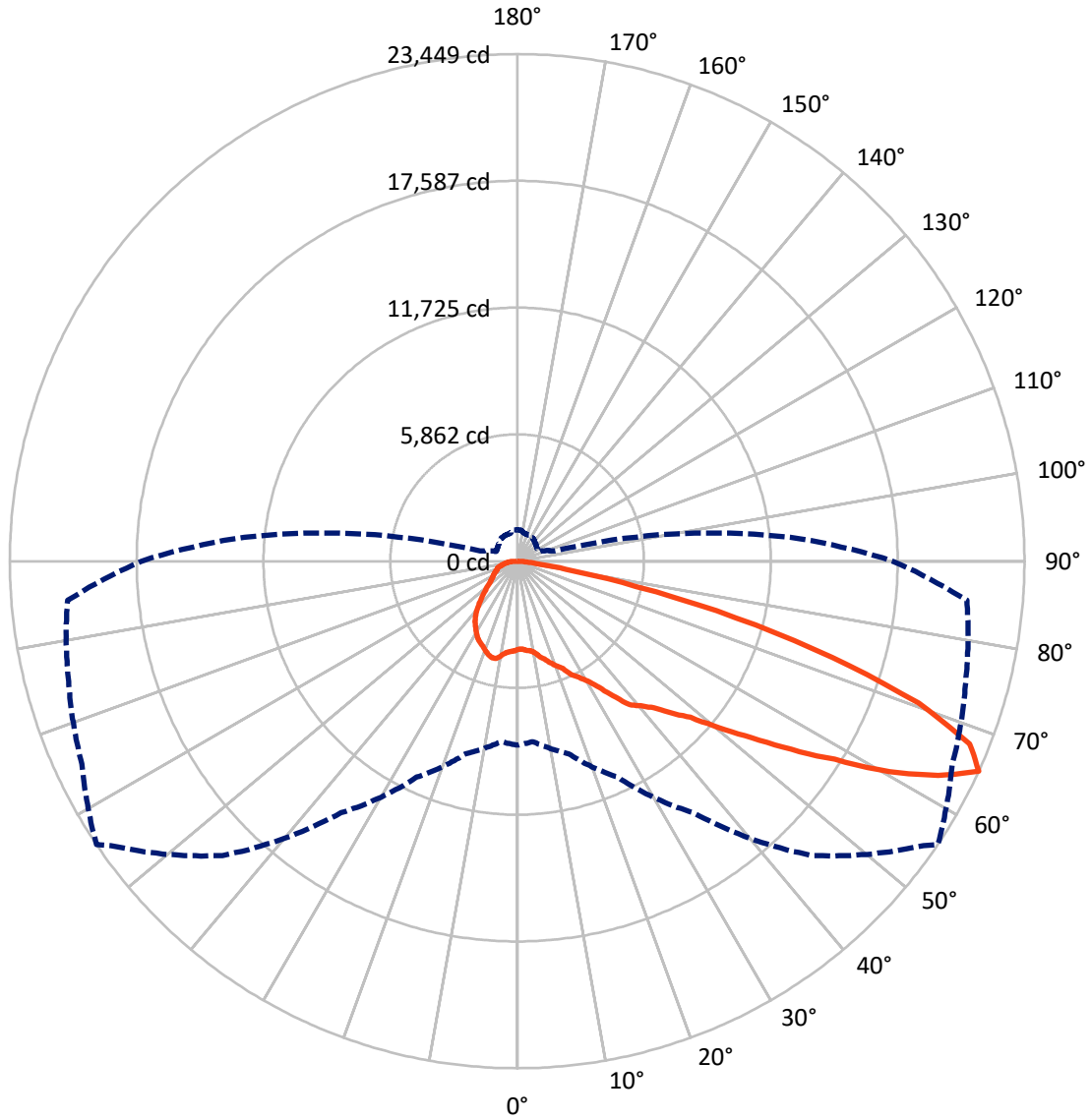
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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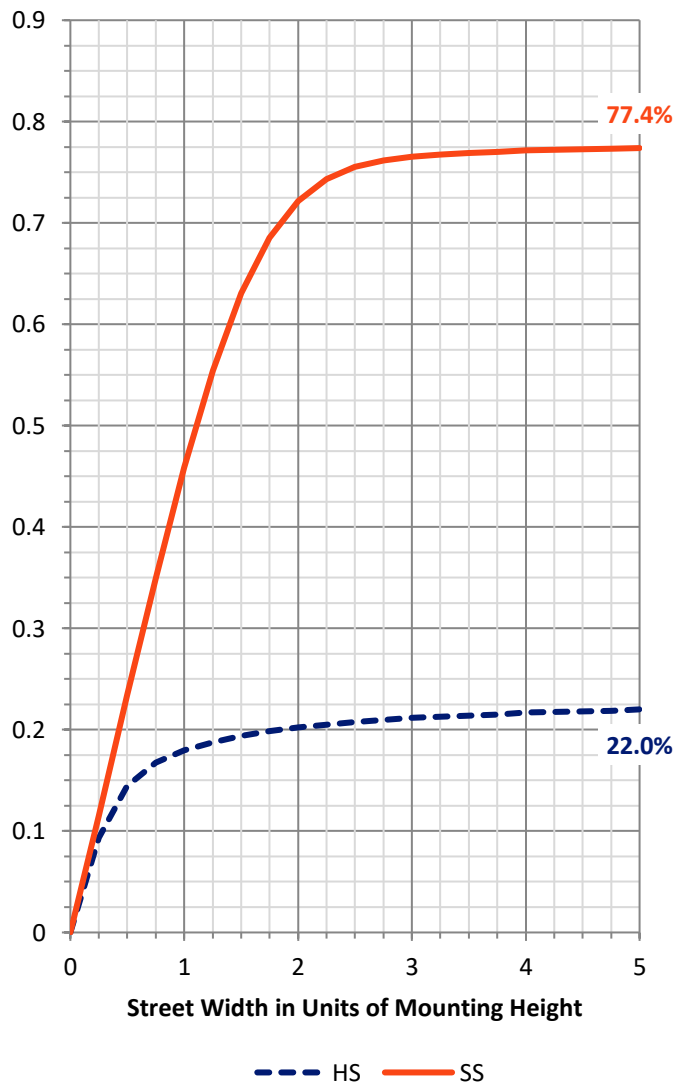
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7624.6	0.0	7624.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	26373.3	0.0	26373.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	33997.9	0.0	33997.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.4	1.2
10°-20°	1313.1	3.9
20°-30°	2338.0	6.9
30°-40°	3501.1	10.3
40°-50°	5187.4	15.3
50°-60°	7993.0	23.5
60°-70°	9049.1	26.6
70°-80°	3755.5	11.0
80°-90°	456.2	1.3
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°	33997.9	100.0
0°-180°	33997.9	100.0

Coefficient of Utilization

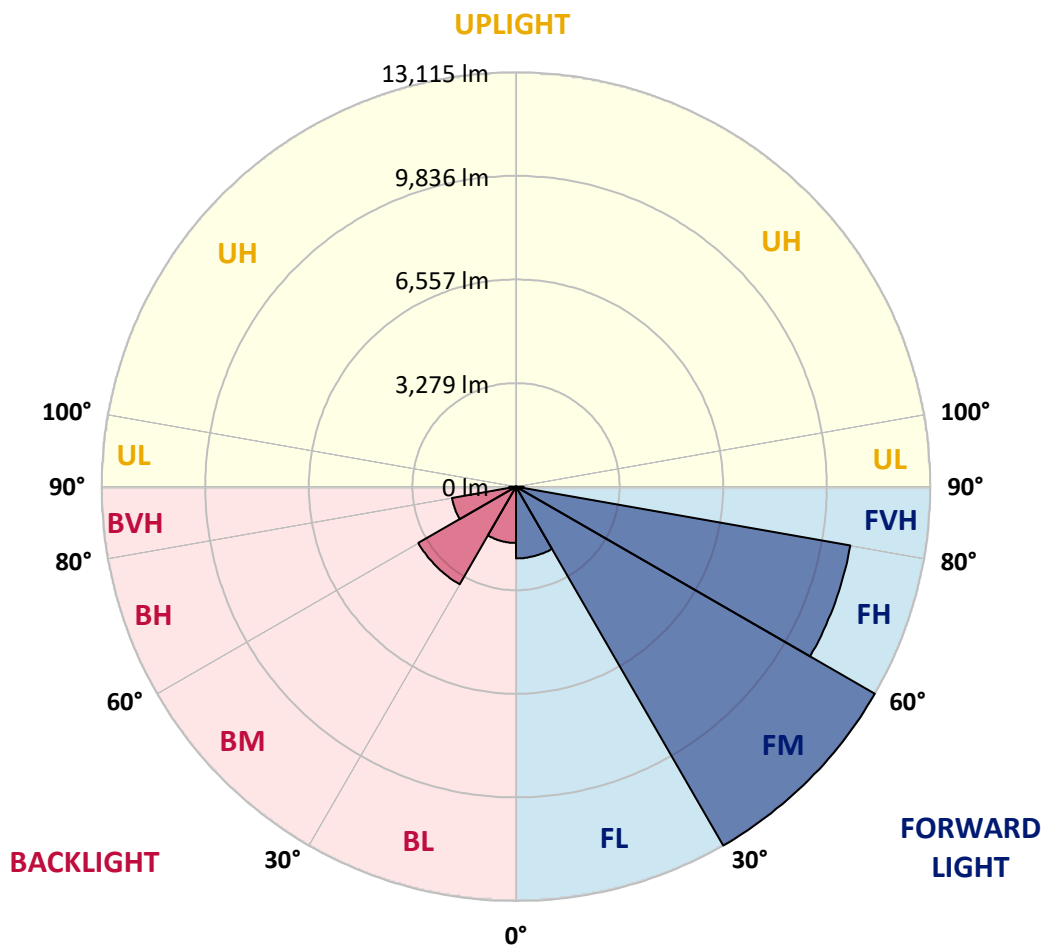


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2272.0	6.7			
FM (30°-60°)	13114.9	38.6			
FH (60°-80°)	10745.7	31.6			G4/12000
FVH (80°-90°)	240.7	0.7			G3/500
BL (0°-30°)	1783.5	5.2	B3/2500		
BM (30°-60°)	3566.7	10.5	B3/5000		
BH (60°-80°)	2058.9	6.1	B3/2500		G3/2500
BVH (80°-90°)	215.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7
2.5°	3974.0	3995.3	3981.1	4023.8	4059.4	4059.4	4087.8	4066.5	4094.9	4134.1
5°	4105.6	4020.2	4066.5	4087.8	4077.2	4094.9	4066.5	4137.6	4091.4	4166.1
7.5°	4137.6	4169.7	4208.8	4173.2	4205.2	4187.4	4191.0	4180.3	4155.4	4215.9
10°	4372.4	4326.2	4415.1	4361.8	4354.7	4347.5	4333.3	4279.9	4340.4	4344.0
12.5°	4642.8	4600.1	4596.6	4553.9	4610.8	4507.6	4529.0	4500.5	4511.2	4525.4
15°	4838.5	4820.7	4902.6	4852.7	4778.0	4731.8	4781.6	4703.3	4742.5	4735.3
17.5°	5226.3	5222.7	5162.3	5080.4	5037.7	4970.1	4959.5	4927.5	4955.9	4941.7
20°	5496.7	5535.8	5546.5	5450.4	5286.8	5212.1	5194.3	5169.4	5201.4	5190.7
22.5°	5909.4	5848.9	5895.2	5727.9	5667.5	5489.6	5425.5	5390.0	5542.9	5503.8
25°	6172.7	6236.7	6190.4	6133.5	5998.3	5777.8	5731.5	5809.8	5870.3	5827.6
27.5°	6766.8	6702.8	6660.1	6489.3	6400.4	6169.1	6115.7	6087.3	6101.5	6126.4
30°	7218.6	7254.2	7158.2	7037.2	6813.1	6578.2	6453.7	6428.8	6379.0	6336.3
32.5°	7862.6	7809.2	7752.3	7674.0	7481.9	7172.4	7051.4	6958.9	6809.5	6610.3
35°	8172.1	8325.1	8282.4	8072.5	7926.6	7809.2	7773.6	7631.3	7506.8	7193.7
37.5°	8688.0	8752.0	8691.5	8623.9	8556.3	8431.8	8389.1	8428.3	8182.8	7666.9
40°	9022.4	9157.6	9282.1	9093.6	9079.3	9104.2	8841.0	8794.7	8289.5	8019.1
42.5°	9705.5	9762.4	9787.3	9780.2	9862.0	9862.0	9360.4	9260.8	8901.4	8680.9
45°	10609.1	10655.4	10744.3	10808.4	10715.9	10762.1	10047.0	10007.9	9687.7	9645.0
47.5°	11391.8	11502.1	11701.4	11889.9	12010.9	11854.4	11071.7	10794.2	10712.3	10968.5
50°	12074.9	11943.3	12409.4	12601.5	13131.6	13391.3	12203.0	12092.7	11961.1	12452.1
52.5°	12142.5	12320.4	12978.6	13362.8	14455.1	14935.3	13590.5	13544.3	13384.2	13949.9
55°	12626.4	12605.0	13266.8	14099.3	15397.9	16205.5	15397.9	15369.4	15020.7	15558.0
57.5°	12544.6	12761.6	13284.6	14447.9	16248.2	17568.1	17493.4	17297.7	16810.3	17247.9
60°	12267.1	12324.0	12960.8	14437.3	16742.7	18966.3	19756.1	19795.2	18799.0	19147.7
62.5°	10694.5	10826.2	11633.8	13302.4	16390.5	19930.4	21965.4	21826.7	21029.7	20631.3
65°	8506.5	8374.9	9214.5	11018.3	14198.9	19247.3	22933.1	23449.0	22196.7	21467.3
67.5°	5215.6	5183.6	5991.2	7581.5	10623.4	16379.8	22161.1	22563.1	21872.9	21289.5
70°	2686.1	2604.3	3109.5	4230.1	6677.9	12018.0	19286.5	19681.4	20339.5	19094.3
72.5°	1252.3	1234.5	1504.9	2081.3	3401.2	7065.7	14935.3	15220.0	16607.5	16098.7
75°	736.5	747.1	900.1	1088.7	1657.9	3330.0	9911.8	10463.3	11968.2	11601.8
77.5°	551.4	551.4	640.4	757.8	967.7	1287.9	4891.9	5621.2	6998.1	6293.6
80°	405.6	412.7	491.0	569.2	672.4	665.3	1942.5	2276.9	3209.1	2743.0
82.5°	316.6	327.3	380.7	423.4	473.2	402.0	796.9	857.4	1319.9	1049.5
85°	220.6	227.7	298.8	288.2	288.2	224.1	330.9	348.7	523.0	498.1
87.5°	53.4	60.5	145.9	160.1	121.0	67.6	103.2	117.4	188.6	217.0
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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4080.7	0°	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7	4080.7
4151.9	2.5°	4098.5	4112.7	4173.2	4141.2	4159.0	4084.3	4144.8	4094.9	4137.6	4116.3
4183.9	5°	4212.4	4180.3	4215.9	4191.0	4191.0	4219.5	4262.2	4230.1	4294.2	4265.7
4208.8	7.5°	4258.6	4262.2	4283.5	4287.1	4269.3	4358.2	4361.8	4351.1	4411.6	4397.4
4379.6	10°	4372.4	4376.0	4415.1	4436.5	4418.7	4450.7	4415.1	4386.7	4383.1	4368.9
4514.8	12.5°	4553.9	4589.5	4582.4	4600.1	4603.7	4468.5	4386.7	4247.9	4230.1	4247.9
4714.0	15°	4721.1	4706.9	4714.0	4749.6	4600.1	4383.1	4237.3	4119.9	4127.0	4130.5
4973.7	17.5°	4920.3	4931.0	4941.7	4778.0	4504.1	4247.9	4119.9	4119.9	4084.3	4098.5
5155.2	20°	5148.0	5105.3	5012.8	4781.6	4336.9	4091.4	4052.3	4052.3	4009.6	3981.1
5350.8	22.5°	5325.9	5240.5	5101.8	4671.3	4187.4	4030.9	3934.8	3867.3	3817.4	3760.5
5567.8	25°	5439.8	5393.5	5123.1	4557.5	4077.2	3870.8	3728.5	3625.3	3561.3	3486.6
5738.6	27.5°	5614.1	5525.2	5183.6	4425.8	3956.2	3710.7	3490.1	3330.0	3209.1	3130.8
5998.3	30°	5848.9	5720.8	5140.9	4237.3	3771.2	3433.2	3173.5	2967.1	2828.4	2764.4
6243.8	32.5°	6041.0	5873.8	5105.3	4066.5	3564.8	3152.1	2807.0	2597.1	2518.9	2437.0
6656.5	35°	6407.5	6076.6	5080.4	3970.4	3379.8	2871.1	2508.2	2326.8	2227.1	2106.2
6902.0	37.5°	6688.5	6428.8	5020.0	3771.2	3141.5	2597.1	2280.5	2116.8	1967.4	1839.3
7471.2	40°	7129.7	6919.8	5023.5	3490.1	2860.4	2362.3	2102.6	1931.8	1743.3	1633.0
8314.4	42.5°	7958.6	7403.6	5044.9	3266.0	2543.8	2170.2	1942.5	1739.7	1551.2	1458.7
9275.0	45°	8976.2	8068.9	4913.2	3063.2	2220.0	1988.8	1750.4	1547.6	1426.6	1359.1
10580.7	47.5°	10146.6	8720.0	4735.3	2682.5	1949.6	1796.7	1572.5	1455.1	1366.2	1327.0
12263.5	50°	11455.9	9652.1	4685.5	2333.9	1739.7	1633.0	1487.1	1398.2	1337.7	1291.5
14159.8	52.5°	13142.3	10737.2	4585.9	1974.5	1558.3	1501.4	1455.1	1394.6	1341.3	1302.1
15928.0	55°	14753.9	11939.7	4479.2	1679.2	1430.2	1437.3	1462.2	1408.9	1362.6	1302.1
17909.6	57.5°	16568.3	13167.2	4084.3	1462.2	1334.1	1405.3	1455.1	1394.6	1348.4	1302.1
19937.5	60°	17689.0	13857.4	3312.2	1273.7	1248.8	1344.8	1412.4	1348.4	1298.6	1316.4
20869.6	62.5°	18144.4	13494.5	2497.5	1156.3	1188.3	1263.0	1344.8	1319.9	1284.3	1351.9
20859.0	65°	17368.8	12658.4	1786.0	1056.6	1106.5	1181.2	1284.3	1312.8	1323.5	1455.1
19158.4	67.5°	15454.8	11021.8	1312.8	974.8	1021.1	1131.4	1327.0	1373.3	1366.2	1529.8
16077.4	70°	12366.7	8620.4	1024.6	907.2	989.0	1170.5	1387.5	1387.5	1337.7	1529.8
12263.5	72.5°	8997.5	6076.6	882.3	829.0	907.2	1074.4	1380.4	1376.8	1312.8	1398.2
7809.2	75°	5446.9	3536.4	779.1	750.7	779.1	921.5	1319.9	1298.6	1209.6	1202.5
3757.0	77.5°	2714.5	1778.9	636.8	665.3	679.5	772.0	1159.8	1191.8	1070.9	1042.4
1483.6	80°	1145.6	775.6	530.1	572.8	572.8	651.1	964.1	985.5	889.4	836.1
587.0	82.5°	523.0	444.7	451.8	498.1	466.1	505.2	764.9	789.8	722.2	633.3
249.0	85°	220.6	252.6	345.1	391.4	345.1	327.3	526.5	555.0	469.6	391.4
106.7	87.5°	99.6	138.8	217.0	284.6	174.3	153.0	281.1	291.7	234.8	174.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



<u>180°</u>
4080.7
4077.2
4226.6
4376.0
4368.9
4255.0
4180.3
4102.1
3938.4
3728.5
3500.8
3166.4
2799.9
2433.5
2095.5
1842.9
1643.7
1465.8
1373.3
1319.9
1298.6
1298.6
1298.6
1298.6
1302.1
1334.1
1455.1
1540.5
1497.8
1348.4
1188.3
1024.6
818.3
619.0
394.9
163.7
0.0

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