

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: P477782

Luminaire Tested: **IFLD-S-SA6B-740-U-T3R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P477782
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-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

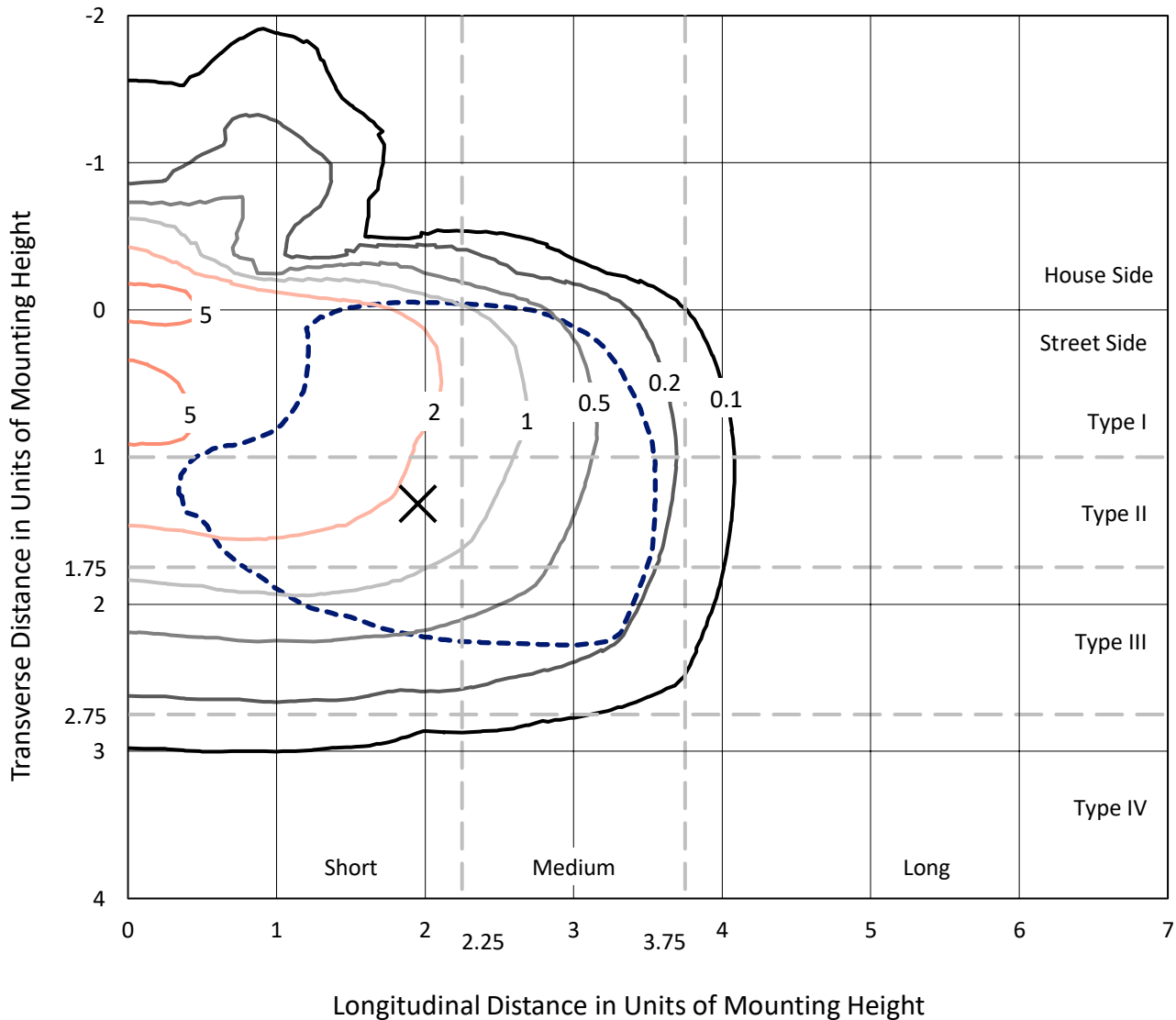
Lumens per Lamp: N/A
Luminaire Lumens: 32788.8 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

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

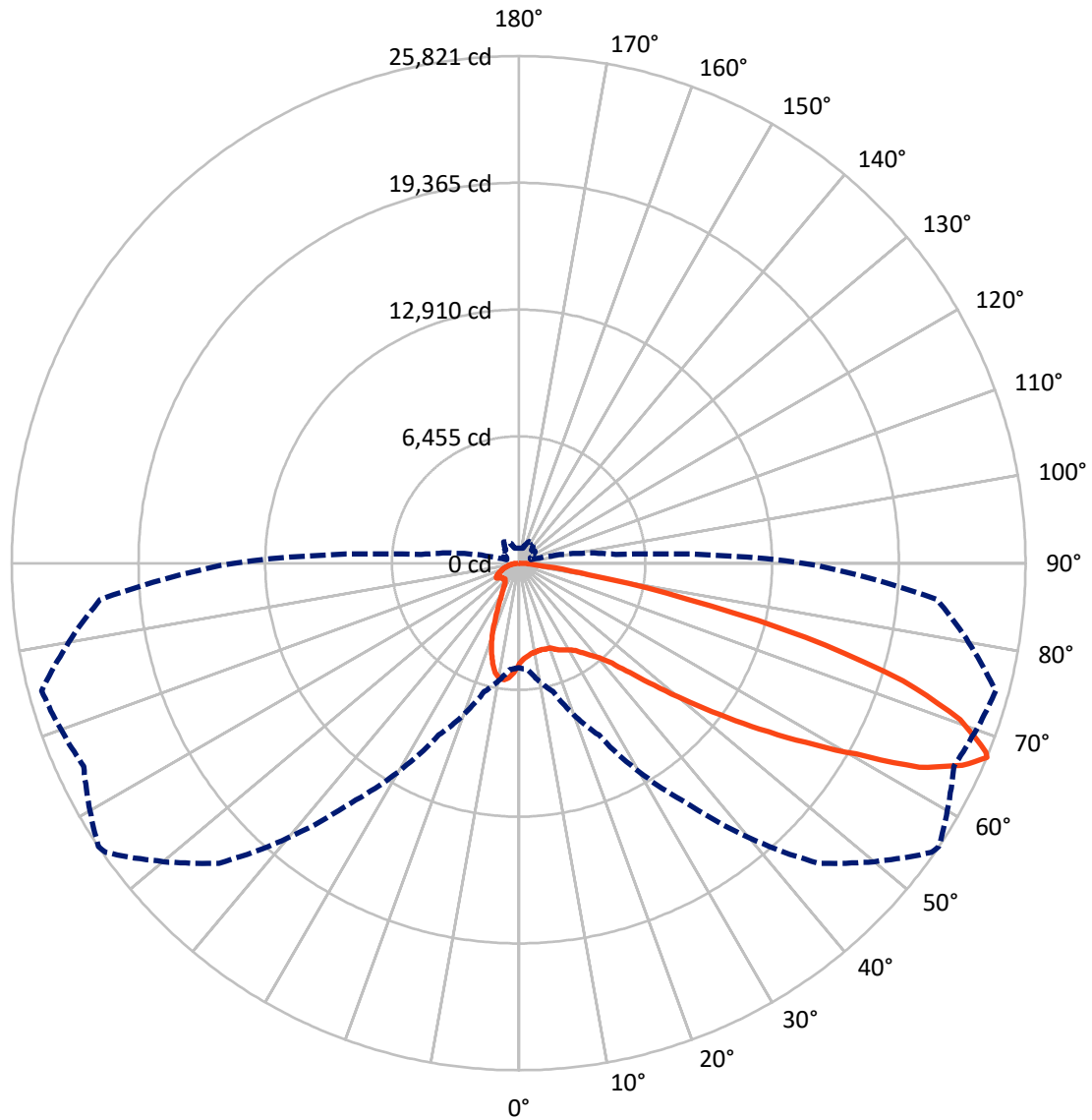
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5190.8	0.0	5190.8
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	27598.0	0.0	27598.0
	% Fixture	84.2	0.0	84.2
Total	Lumens	32788.8	0.0	32788.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.5	1.5
10°-20°	1340.9	4.1
20°-30°	2102.9	6.4
30°-40°	3001.9	9.2
40°-50°	4530.7	13.8
50°-60°	7212.1	22.0
60°-70°	9220.1	28.1
70°-80°	4495.4	13.7
80°-90°	393.2	1.2
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°	32788.8	100.0
0°-180°	32788.8	100.0

Coefficient of Utilization

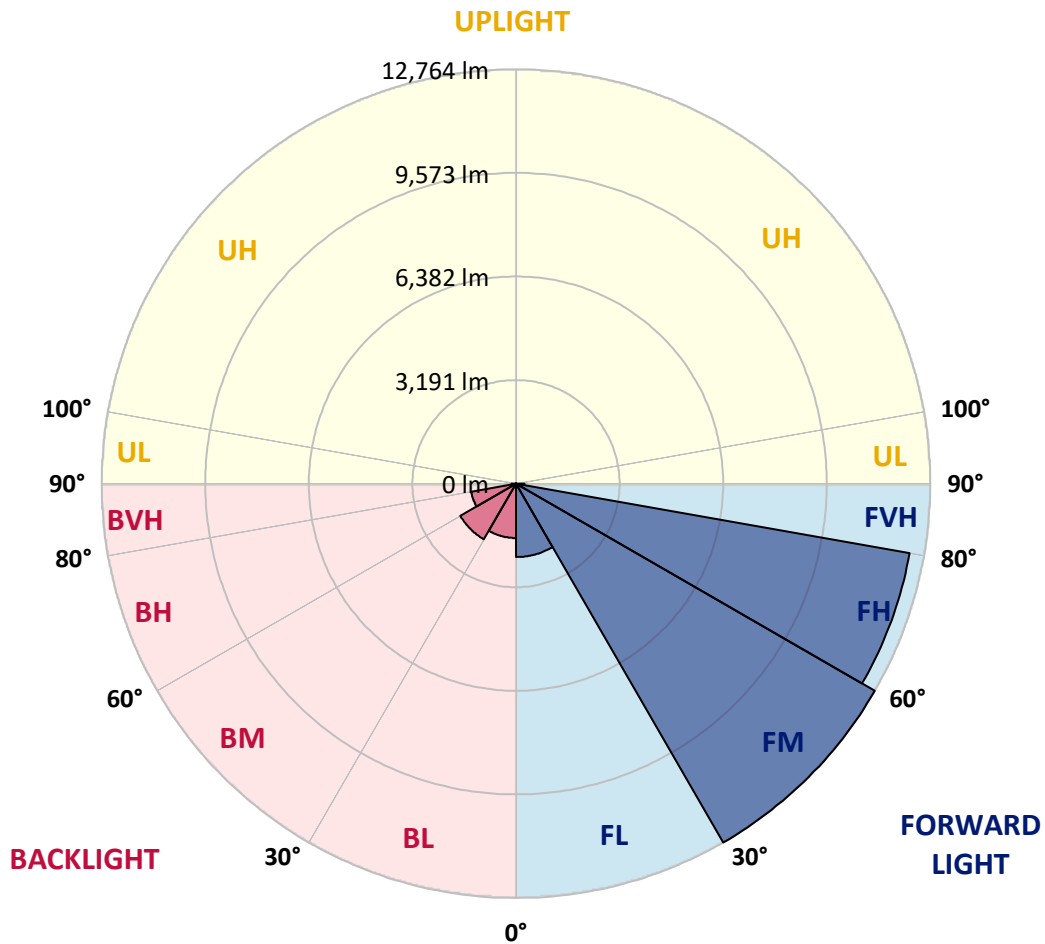


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2259.5	6.9			
FM (30°-60°)	12764.4	38.9			
FH (60°-80°)	12312.9	37.6			G5
FVH (80°-90°)	261.2	0.8			G3/500
BL (0°-30°)	1675.7	5.1	B3/2500		
BM (30°-60°)	1980.3	6.0	B2/2500		
BH (60°-80°)	1402.6	4.3	B3/2500		G3/2500
BVH (80°-90°)	132.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8
2.5°	4686.6	4667.4	4690.5	4667.4	4771.2	4832.7	4851.9	4878.9	4975.0	5067.2
5°	4490.5	4406.0	4498.2	4529.0	4536.7	4640.5	4748.1	4767.4	4817.3	4967.3
7.5°	4163.7	4259.9	4225.3	4317.5	4413.7	4517.5	4694.3	4644.3	4828.9	4971.1
10°	4094.5	4102.2	4140.7	4175.3	4259.9	4394.4	4640.5	4609.7	4798.1	5101.8
12.5°	4163.7	4163.7	4152.2	4125.3	4221.4	4352.1	4548.2	4563.6	4859.6	5140.3
15°	4406.0	4452.1	4329.1	4348.3	4309.8	4352.1	4525.1	4559.7	4882.7	5171.0
17.5°	4998.0	4982.7	4836.6	4632.8	4463.6	4436.7	4555.9	4594.3	4859.6	5259.5
20°	5574.7	5544.0	5290.2	5078.8	4744.3	4586.7	4605.9	4609.7	4898.1	5317.1
22.5°	6216.8	6297.5	6020.7	5590.1	5174.9	4782.7	4705.8	4767.4	4986.5	5347.9
25°	7224.1	7051.1	6812.7	6247.5	5578.6	5086.5	4871.2	4901.9	5071.1	5424.8
27.5°	7950.7	7881.5	7508.6	7051.1	6143.7	5324.8	4959.6	5017.3	5224.9	5420.9
30°	8650.4	8650.4	8423.6	7739.3	6739.7	5724.7	5148.0	5121.1	5151.8	5413.3
32.5°	9469.4	9357.9	9031.1	8577.4	7489.4	6089.9	5297.9	5305.6	5305.6	5555.5
35°	9900.0	10080.7	9861.5	9123.3	8062.2	6697.4	5659.3	5601.6	5559.4	5713.1
37.5°	10530.5	10638.1	10407.5	9973.0	8773.5	7189.5	5978.4	5932.3	5686.2	5836.2
40°	10911.1	10891.9	10884.2	10684.3	9715.4	7770.0	6447.5	6328.3	5997.6	6270.6
42.5°	11126.4	11088.0	11560.8	11437.8	10603.5	8623.5	7035.7	6970.3	6605.1	7043.4
45°	11368.6	11653.1	12041.4	12387.4	11637.7	9823.1	8031.5	7939.2	7612.4	8169.9
47.5°	11580.1	11929.9	12425.9	12795.0	12572.0	11126.4	9261.7	9284.8	9069.5	9642.4
50°	11933.8	11968.4	12641.2	13387.1	13560.1	12329.8	10914.9	10876.5	10780.4	11583.9
52.5°	11826.1	11929.9	12779.6	13733.1	14017.6	13602.4	12691.2	12806.5	12679.6	13690.8
55°	10073.0	10384.4	12695.0	14098.3	15101.8	15040.2	14974.9	14898.0	14890.3	16059.1
57.5°	9277.1	9530.9	11184.1	14502.0	16262.8	16716.5	17139.4	17224.0	17220.2	18631.1
60°	8754.3	9015.7	10572.8	14282.9	17250.9	18911.8	19723.0	19734.6	19711.5	21380.1
62.5°	7731.6	7985.3	9515.5	13083.3	17523.9	20937.9	22744.9	22894.9	21837.6	23748.4
65°	6501.3	6708.9	8058.4	11249.4	16797.3	22225.9	25017.1	24840.2	23629.2	25101.7
67°	5317.1	5455.5	6770.4	9657.7	14898.0	21606.9	25674.5	25820.6	24455.8	25159.4
67.5°	4978.8	5105.7	6347.5	9115.7	14175.2	21137.9	25697.6	25674.5	24471.2	25170.9
70°	3456.3	3510.2	4325.2	6270.6	10442.1	17858.4	23821.4	23875.2	23444.6	23806.0
72.5°	2291.4	2372.1	2891.2	3952.3	6155.3	12994.9	19911.4	20488.1	20215.1	19519.3
75°	1476.3	1522.5	1891.6	2352.9	3029.6	7400.9	14709.6	15094.1	14467.4	12072.2
77.5°	826.6	876.6	1141.9	1430.2	1476.3	3079.6	8262.1	8738.9	7404.8	5128.8
80°	515.2	580.5	861.2	849.7	703.6	1130.3	3406.4	3648.6	2960.4	1764.7
82.5°	388.3	438.3	665.1	595.9	396.0	503.6	1276.4	1368.7	1084.2	680.5
85°	265.3	334.5	480.6	369.1	207.6	242.2	507.5	545.9	496.0	330.6
87.5°	96.1	142.3	249.9	184.5	92.3	73.0	165.3	184.5	176.9	149.9
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°
5101.8	0°	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8	5101.8
5148.0	2.5°	5221.0	5274.9	5301.8	5459.4	5524.8	5513.2	5528.6	5551.7	5574.7	5605.5
5213.3	5°	5263.3	5428.6	5517.1	5701.6	5824.6	5770.8	5840.0	5820.8	5793.9	5790.0
5332.5	7.5°	5401.7	5613.2	5878.5	5928.4	5982.3	5847.7	5732.4	5574.7	5536.3	5401.7
5432.5	10°	5647.8	5820.8	6143.7	6163.0	5924.6	5578.6	5321.0	4994.2	4990.3	4794.3
5586.3	12.5°	5882.3	6078.4	6339.8	6228.3	5659.3	5186.4	4767.4	4409.8	4259.9	4159.9
5678.5	15°	6028.4	6351.4	6489.8	6009.2	5194.1	4555.9	4013.8	3629.3	3475.6	3402.5
5793.9	17.5°	6163.0	6612.8	6551.3	5624.7	4621.3	3906.2	3260.3	2925.8	2883.5	2829.7
5978.4	20°	6347.5	6708.9	6332.1	5124.9	3971.5	3068.0	2656.6	2495.2	2533.6	2556.7
5997.6	22.5°	6520.5	6758.9	6055.3	4579.0	3137.2	2429.8	2226.0	2260.7	2318.3	2395.2
6043.8	25°	6597.4	6839.6	5682.4	3825.4	2387.5	2045.4	1999.2	2056.9	2153.0	2156.8
6109.1	27.5°	6647.4	6782.0	5232.6	3091.1	1887.7	1787.8	1857.0	1899.3	1910.8	1956.9
6247.5	30°	6735.8	6662.8	4663.6	2210.7	1584.0	1587.8	1676.3	1676.3	1676.3	1710.9
6386.0	32.5°	6889.6	6582.0	3998.4	1614.8	1364.8	1487.9	1464.8	1457.1	1441.7	1399.5
6562.8	35°	6985.7	6362.9	3156.5	1195.7	1226.4	1364.8	1357.2	1238.0	1038.1	938.1
7012.6	37.5°	7185.6	6251.4	2322.2	922.7	1145.7	1303.3	1261.0	972.7	753.6	657.4
7570.1	40°	7616.2	6178.3	1607.1	807.4	1091.9	1272.6	1126.5	830.4	576.7	407.5
8431.3	42.5°	8143.0	6182.2	1091.9	761.2	1095.7	1337.9	1084.2	711.3	407.5	326.8
9580.9	45°	8850.4	6124.5	749.7	761.2	1164.9	1445.6	1111.1	645.9	396.0	415.2
11022.6	47.5°	9611.6	6174.5	557.5	692.0	1176.5	1449.4	1015.0	634.4	380.6	480.6
12591.2	50°	10499.7	6224.5	461.4	638.2	1180.3	1403.3	934.2	619.0	396.0	507.5
14390.5	52.5°	11414.7	6382.1	392.2	603.6	1226.4	1384.1	934.2	642.1	396.0	442.1
16681.9	55°	12779.6	6785.8	565.2	753.6	1395.6	1510.9	1149.5	899.6	553.6	569.0
18877.2	57.5°	14286.7	7201.0	630.5	792.0	1434.1	1361.0	1238.0	991.9	584.4	588.2
20584.2	60°	15278.6	7216.4	626.7	772.8	1341.8	1176.5	1211.1	1045.7	595.9	503.6
21641.5	62.5°	15674.6	6747.4	653.6	772.8	1249.5	1099.6	1241.8	1126.5	615.1	630.5
21941.4	65°	15224.8	5778.5	630.5	692.0	1099.6	984.2	1249.5	1141.9	672.8	634.4
21403.1	67°	14521.2	4978.8	642.1	657.4	1022.7	934.2	1314.9	1199.5	780.5	761.2
21122.5	67.5°	14321.3	4767.4	638.2	638.2	995.8	918.9	1330.2	1199.5	795.8	788.2
18642.7	70°	12622.0	3863.9	653.6	630.5	880.4	872.7	1414.8	1264.9	915.0	922.7
13694.6	72.5°	9607.8	2929.6	649.7	630.5	765.1	834.3	1426.4	1307.2	995.8	922.7
7670.1	75°	5459.4	1753.2	572.9	549.8	603.6	726.6	1334.1	1245.7	968.9	826.6
3064.2	77.5°	2256.8	903.5	526.7	496.0	499.8	592.1	1111.1	1161.1	922.7	703.6
1022.7	80°	842.0	542.1	422.9	396.0	384.5	434.4	792.0	926.6	788.2	576.7
449.8	82.5°	438.3	338.3	288.3	288.3	261.4	276.8	426.8	615.1	595.9	396.0
180.7	85°	223.0	192.2	165.3	161.5	146.1	130.7	215.3	365.2	342.2	219.1
80.7	87.5°	119.2	107.7	69.2	65.4	53.8	34.6	38.4	73.0	119.2	96.1
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>
5101.8
5636.2
5824.6
5447.9
4786.6
4136.8
3387.1
2856.6
2529.8
2352.9
2195.3
1999.2
1749.3
1376.4
984.2
653.6
396.0
319.1
422.9
534.4
588.2
453.7
599.8
569.0
519.0
638.2
622.8
749.7
772.8
853.5
818.9
738.2
665.1
526.7
311.4
180.7
69.2
0.0

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