

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: P477822

Luminaire Tested: **IFLD-S-SA6C-750-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477822
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-750-U-T3R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

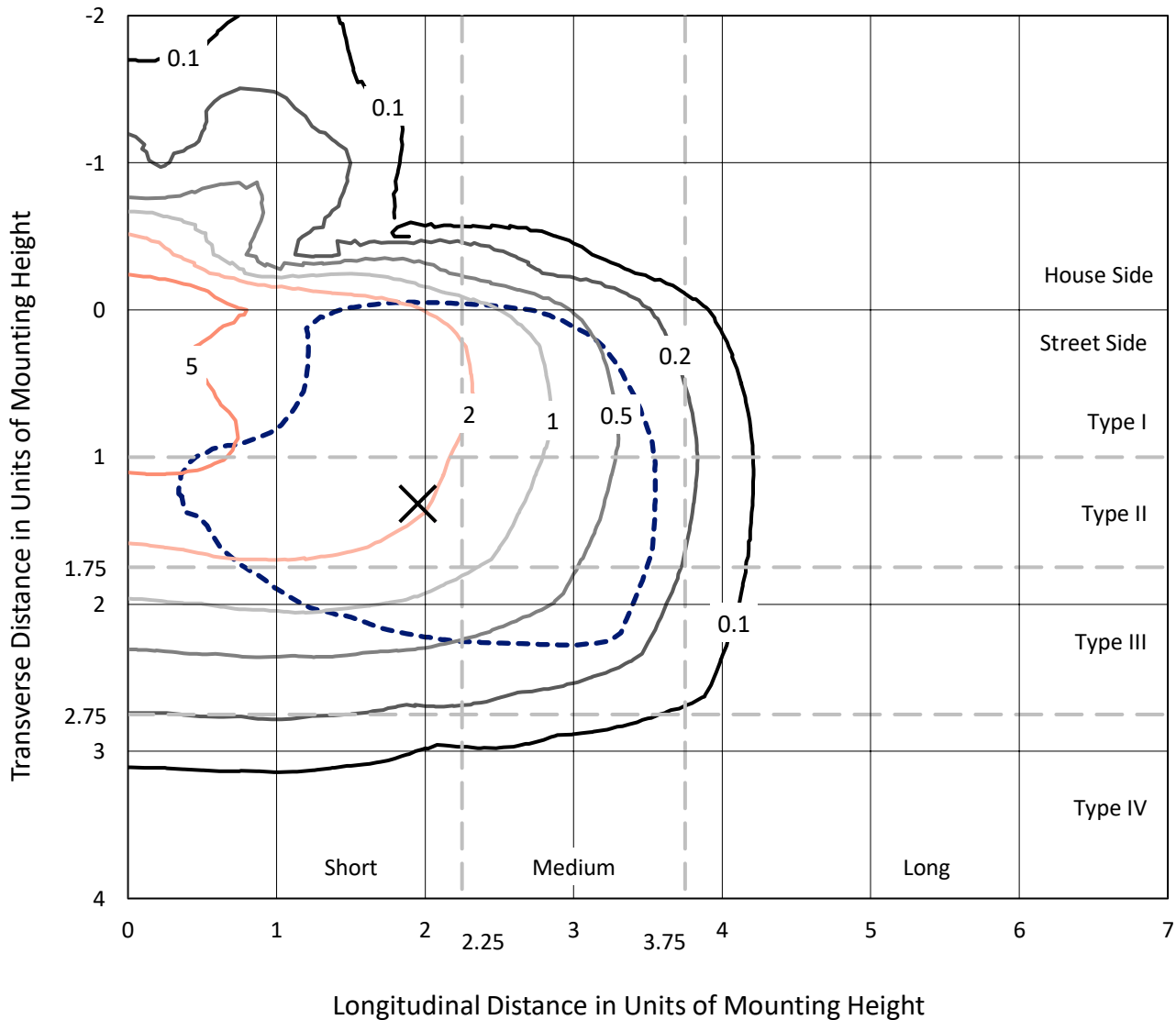
Lumens per Lamp: N/A
Luminaire Lumens: 41750.9 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5
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

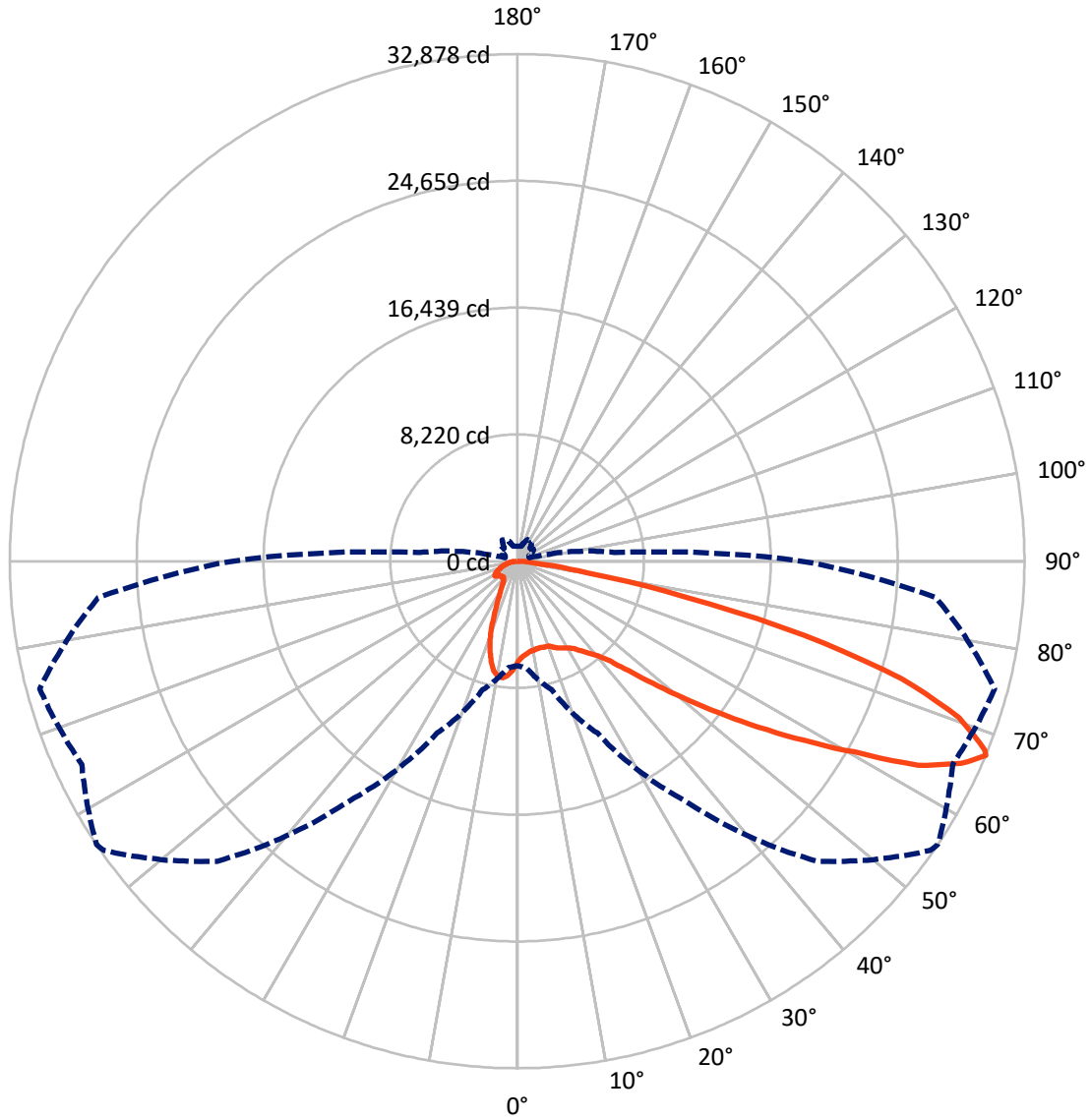
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8 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	6609.6	0.0	6609.6
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	35141.3	0.0	35141.3
	% Fixture	84.2	0.0	84.2
Total	Lumens	41750.9	0.0	41750.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.8	1.5
10°-20°	1707.4	4.1
20°-30°	2677.7	6.4
30°-40°	3822.4	9.2
40°-50°	5769.1	13.8
50°-60°	9183.4	22.0
60°-70°	11740.3	28.1
70°-80°	5724.2	13.7
80°-90°	500.7	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°	41750.9	100.0
0°-180°	41750.9	100.0

Coefficient of Utilization



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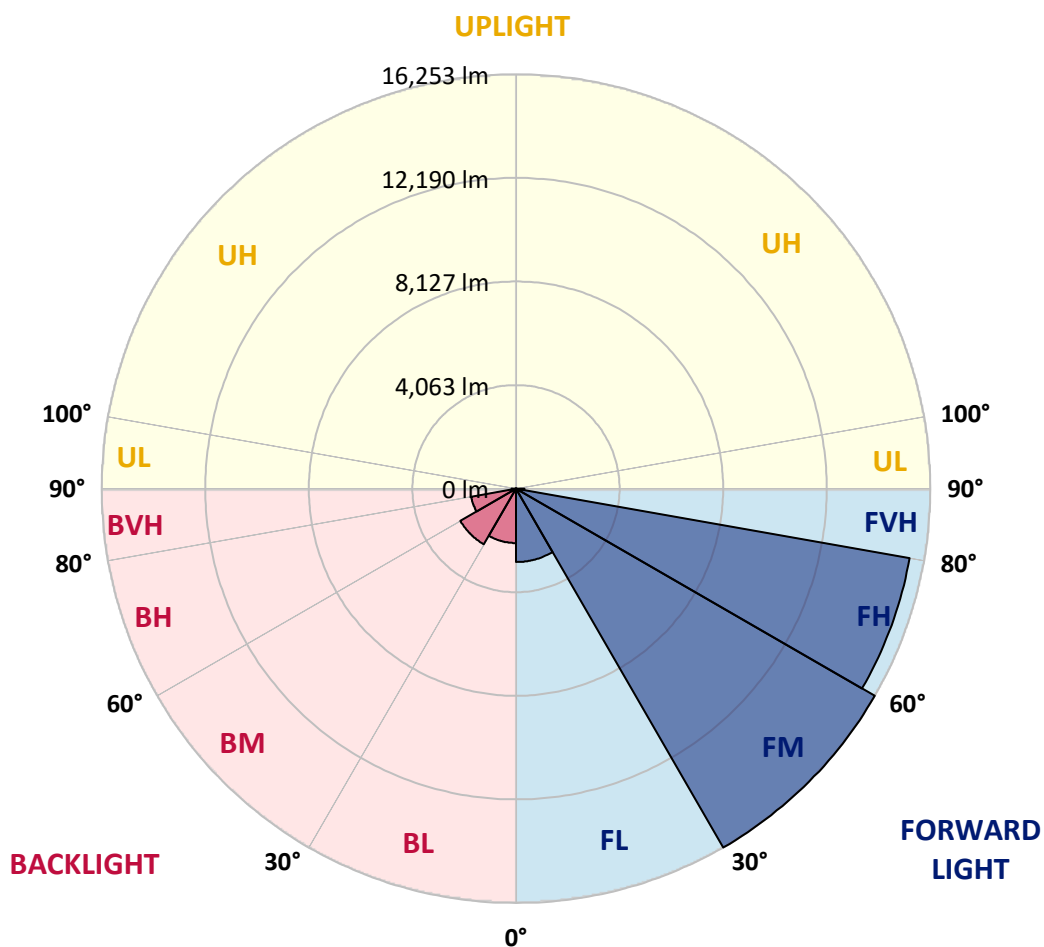
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2877.1	6.9			
FM (30°-60°)	16253.3	38.9			
FH (60°-80°)	15678.4	37.6			G5
FVH (80°-90°)	332.6	0.8			G3/500
BL (0°-30°)	2133.8	5.1	B3/2500		
BM (30°-60°)	2521.6	6.0	B3/5000		
BH (60°-80°)	1786.0	4.3	B3/2500		G3/2500
BVH (80°-90°)	168.2	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°	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3
2.5°	5967.6	5943.1	5972.5	5943.1	6075.3	6153.6	6178.1	6212.4	6334.8	6452.3
5°	5717.9	5610.2	5727.7	5766.9	5776.7	5908.9	6045.9	6070.4	6134.1	6325.0
7.5°	5301.8	5424.2	5380.2	5497.6	5620.0	5752.2	5977.4	5913.8	6148.8	6329.9
10°	5213.7	5223.5	5272.5	5316.5	5424.2	5595.6	5908.9	5869.7	6109.6	6496.3
12.5°	5301.8	5301.8	5287.1	5252.9	5375.3	5541.7	5791.4	5811.0	6187.9	6545.3
15°	5610.2	5669.0	5512.3	5536.8	5487.9	5541.7	5762.0	5806.1	6217.3	6584.5
17.5°	6364.2	6344.6	6158.5	5899.1	5683.7	5649.4	5801.2	5850.1	6187.9	6697.0
20°	7098.5	7059.3	6736.2	6467.0	6041.0	5840.3	5864.8	5869.7	6236.9	6770.5
22.5°	7916.0	8018.8	7666.4	7118.1	6589.3	6090.0	5992.1	6070.4	6349.5	6809.6
25°	9198.6	8978.4	8674.8	7955.2	7103.4	6476.7	6202.6	6241.8	6457.2	6907.6
27.5°	10123.9	10035.8	9560.9	8978.4	7823.0	6780.3	6315.2	6388.6	6653.0	6902.7
30°	11014.9	11014.9	10726.0	9854.6	8581.8	7289.4	6555.1	6520.8	6560.0	6892.9
32.5°	12057.6	11915.7	11499.5	10921.9	9536.4	7754.5	6746.0	6755.8	6755.8	7074.0
35°	12605.9	12836.0	12557.0	11617.0	10265.9	8528.0	7206.2	7132.7	7078.9	7274.7
37.5°	13408.8	13545.9	13252.1	12698.9	11171.5	9154.6	7612.5	7553.8	7240.4	7431.4
40°	13893.4	13869.0	13859.2	13604.6	12370.9	9893.8	8209.8	8058.0	7637.0	7984.6
42.5°	14167.6	14118.6	14720.8	14564.1	13501.8	10980.6	8958.8	8875.5	8410.5	8968.6
45°	14476.0	14838.3	15332.7	15773.3	14818.7	12508.0	10226.7	10109.2	9693.1	10402.9
47.5°	14745.3	15190.7	15822.3	16292.2	16008.3	14167.6	11793.3	11822.6	11548.5	12277.9
50°	15195.6	15239.7	16096.4	17046.1	17266.4	15699.9	13898.3	13849.4	13727.0	14750.1
52.5°	15058.6	15190.7	16272.6	17486.7	17849.0	17320.3	16160.1	16306.9	16145.4	17432.9
55°	12826.2	13222.8	16164.9	17951.8	19229.5	19151.2	19068.0	18970.1	18960.3	20448.5
57.5°	11812.8	12136.0	14241.0	18465.8	20708.0	21285.6	21824.1	21931.9	21927.0	23723.6
60°	11147.1	11480.0	13462.6	18186.8	21966.1	24081.0	25113.9	25128.6	25099.2	27223.9
62.5°	9844.9	10168.0	12116.4	16659.4	22313.7	26660.9	28961.8	29152.7	27806.5	30239.5
65°	8278.3	8542.7	10261.0	14324.2	21388.4	28300.9	31855.0	31629.8	30087.8	31962.7
67°	6770.5	6946.7	8621.0	12297.5	18970.1	27512.7	32692.2	32878.2	31140.3	32036.2
67.5°	6339.7	6501.2	8082.5	11607.2	18049.7	26915.5	32721.5	32692.2	31159.9	32050.9
70°	4401.1	4469.6	5507.4	7984.6	13296.2	22739.6	30332.5	30401.1	29852.8	30313.0
72.5°	2917.7	3020.5	3681.4	5032.6	7837.7	16546.8	25353.8	26088.1	25740.6	24854.5
75°	1879.9	1938.6	2408.6	2996.0	3857.7	9423.8	18730.2	19219.7	18421.8	15371.9
77.5°	1052.5	1116.2	1454.0	1821.1	1879.9	3921.3	10520.4	11127.5	9428.7	6530.6
80°	656.0	739.2	1096.6	1081.9	895.9	1439.3	4337.4	4645.8	3769.5	2247.0
82.5°	494.4	558.1	846.9	758.8	504.2	641.3	1625.3	1742.8	1380.5	866.5
85°	337.8	425.9	611.9	470.0	264.4	308.4	646.2	695.2	631.5	421.0
87.5°	122.4	181.1	318.2	235.0	117.5	93.0	210.5	235.0	225.2	190.9
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°
6496.3	0°	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3	6496.3
6555.1	2.5°	6648.1	6716.6	6750.9	6951.6	7034.8	7020.2	7039.7	7069.1	7098.5	7137.6
6638.3	5°	6701.9	6912.4	7025.0	7260.0	7416.7	7348.1	7436.3	7411.8	7377.5	7372.6
6790.1	7.5°	6878.2	7147.4	7485.2	7548.9	7617.4	7446.1	7299.2	7098.5	7049.5	6878.2
6917.3	10°	7191.5	7411.8	7823.0	7847.5	7544.0	7103.4	6775.4	6359.3	6354.4	6104.7
7113.2	12.5°	7490.1	7739.8	8072.7	7930.7	7206.2	6604.0	6070.4	5615.1	5424.2	5296.9
7230.7	15°	7676.1	8087.4	8263.6	7651.7	6613.8	5801.2	5110.9	4621.4	4425.5	4332.5
7377.5	17.5°	7847.5	8420.3	8341.9	7162.1	5884.4	4973.8	4151.4	3725.5	3671.6	3603.1
7612.5	20°	8082.5	8542.7	8062.9	6525.7	5057.1	3906.6	3382.8	3177.2	3226.1	3255.5
7637.0	22.5°	8302.8	8606.3	7710.4	5830.5	3994.7	3094.0	2834.5	2878.6	2952.0	3049.9
7695.7	25°	8400.7	8709.1	7235.6	4871.0	3040.1	2604.4	2545.7	2619.1	2741.5	2746.4
7779.0	27.5°	8464.3	8635.7	6662.8	3936.0	2403.7	2276.4	2364.5	2418.4	2433.1	2491.8
7955.2	30°	8576.9	8483.9	5938.2	2814.9	2016.9	2021.8	2134.4	2134.4	2134.4	2178.5
8131.4	32.5°	8772.7	8381.1	5091.3	2056.1	1737.9	1894.6	1865.2	1855.4	1835.8	1782.0
8356.6	35°	8895.1	8102.1	4019.2	1522.5	1561.7	1737.9	1728.1	1576.4	1321.8	1194.5
8929.4	37.5°	9149.7	7960.1	2956.9	1174.9	1458.9	1659.6	1605.7	1238.6	959.5	837.1
9639.2	40°	9698.0	7867.1	2046.3	1028.1	1390.3	1620.4	1434.4	1057.4	734.3	518.9
10735.8	42.5°	10368.7	7872.0	1390.3	969.3	1395.2	1703.6	1380.5	905.7	518.9	416.1
12199.6	45°	11269.4	7798.5	954.6	969.3	1483.3	1840.7	1414.8	822.4	504.2	528.7
14035.4	47.5°	12238.8	7862.2	709.8	881.2	1498.0	1845.6	1292.4	807.8	484.7	611.9
16032.8	50°	13369.6	7925.8	587.5	812.7	1502.9	1786.9	1189.6	788.2	504.2	646.2
18323.9	52.5°	14534.7	8126.5	499.3	768.6	1561.7	1762.4	1189.6	817.5	504.2	563.0
21241.6	55°	16272.6	8640.6	719.6	959.5	1777.1	1923.9	1463.8	1145.5	705.0	724.5
24036.9	57.5°	18191.7	9169.3	802.9	1008.5	1826.0	1733.0	1576.4	1263.0	744.1	749.0
26210.5	60°	19454.7	9188.9	798.0	984.0	1708.5	1498.0	1542.1	1331.6	758.8	641.3
27556.8	62.5°	19959.0	8591.6	832.2	984.0	1591.0	1400.1	1581.2	1434.4	783.3	802.9
27938.6	65°	19386.2	7357.9	802.9	881.2	1400.1	1253.2	1591.0	1454.0	856.7	807.8
27253.3	67°	18490.3	6339.7	817.5	837.1	1302.2	1189.6	1674.3	1527.4	993.8	969.3
26895.9	67.5°	18235.7	6070.4	812.7	812.7	1267.9	1170.0	1693.8	1527.4	1013.4	1003.6
23738.3	70°	16071.9	4920.0	832.2	802.9	1121.1	1111.3	1801.5	1610.6	1165.1	1174.9
17437.8	72.5°	12233.9	3730.4	827.3	802.9	974.2	1062.3	1816.2	1664.5	1267.9	1174.9
9766.5	75°	6951.6	2232.3	729.4	700.1	768.6	925.2	1698.7	1586.1	1233.7	1052.5
3901.7	77.5°	2873.7	1150.4	670.7	631.5	636.4	753.9	1414.8	1478.4	1174.9	895.9
1302.2	80°	1072.1	690.3	538.5	504.2	489.6	553.2	1008.5	1179.8	1003.6	734.3
572.8	82.5°	558.1	430.8	367.2	367.2	332.9	352.5	543.4	783.3	758.8	504.2
230.1	85°	283.9	244.8	210.5	205.6	186.0	166.4	274.1	465.1	435.7	279.0
102.8	87.5°	151.8	137.1	88.1	83.2	68.5	44.1	49.0	93.0	151.8	122.4
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>
6496.3
7176.8
7416.7
6936.9
6094.9
5267.6
4312.9
3637.4
3221.2
2996.0
2795.3
2545.7
2227.5
1752.6
1253.2
832.2
504.2
406.3
538.5
680.5
749.0
577.7
763.7
724.5
660.9
812.7
793.1
954.6
984.0
1086.8
1042.7
939.9
846.9
670.7
396.5
230.1
88.1
0.0

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