

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: P477821

Luminaire Tested: **IFLD-S-SA6B-750-U-T3R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477821
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

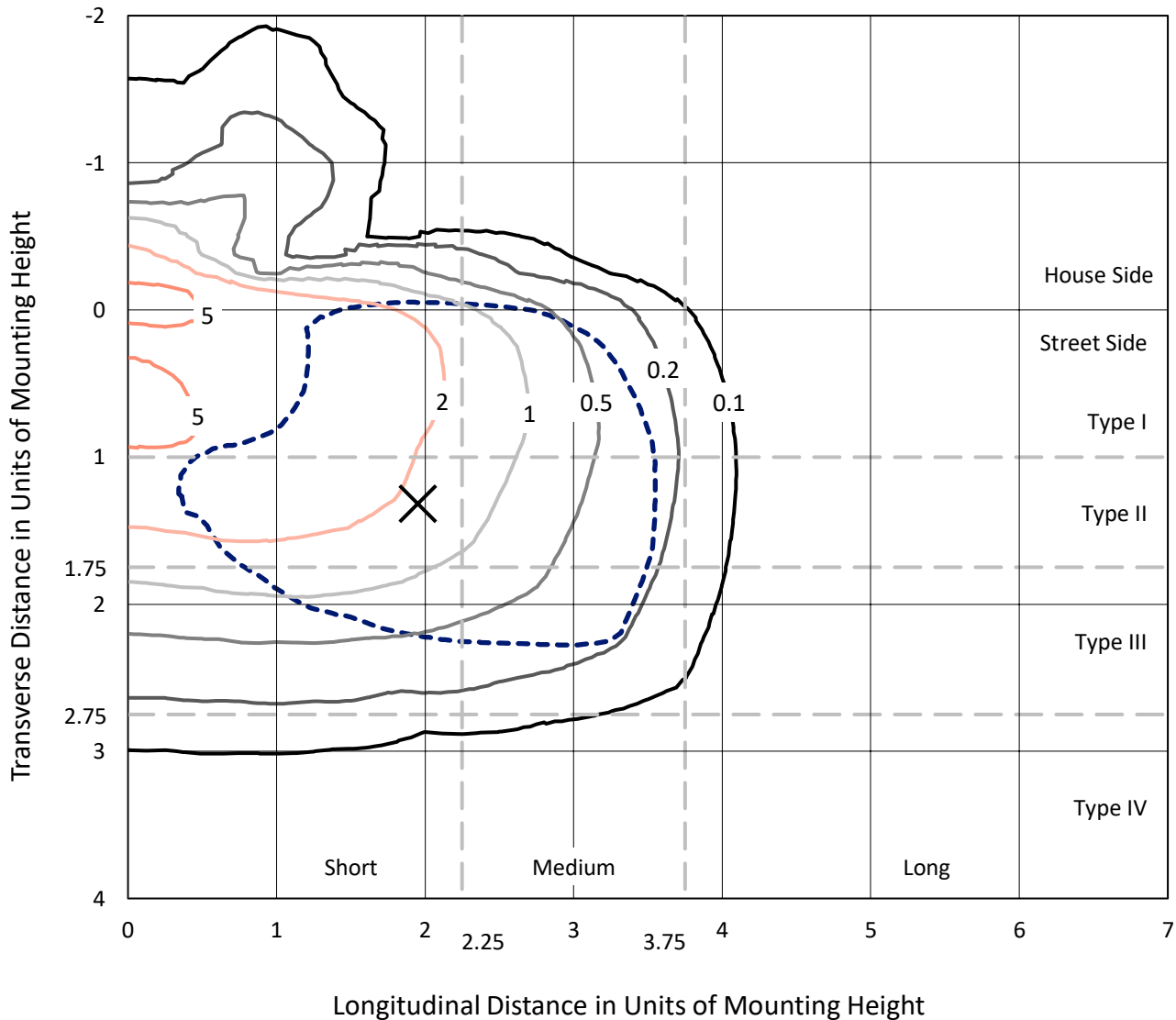
Lumens per Lamp: N/A
Luminaire Lumens: 33539.6 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (A_{in}): 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

REPORT NUMBER: P477821
 CATALOG NUMBER: IFLD-S-SA6B-750-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

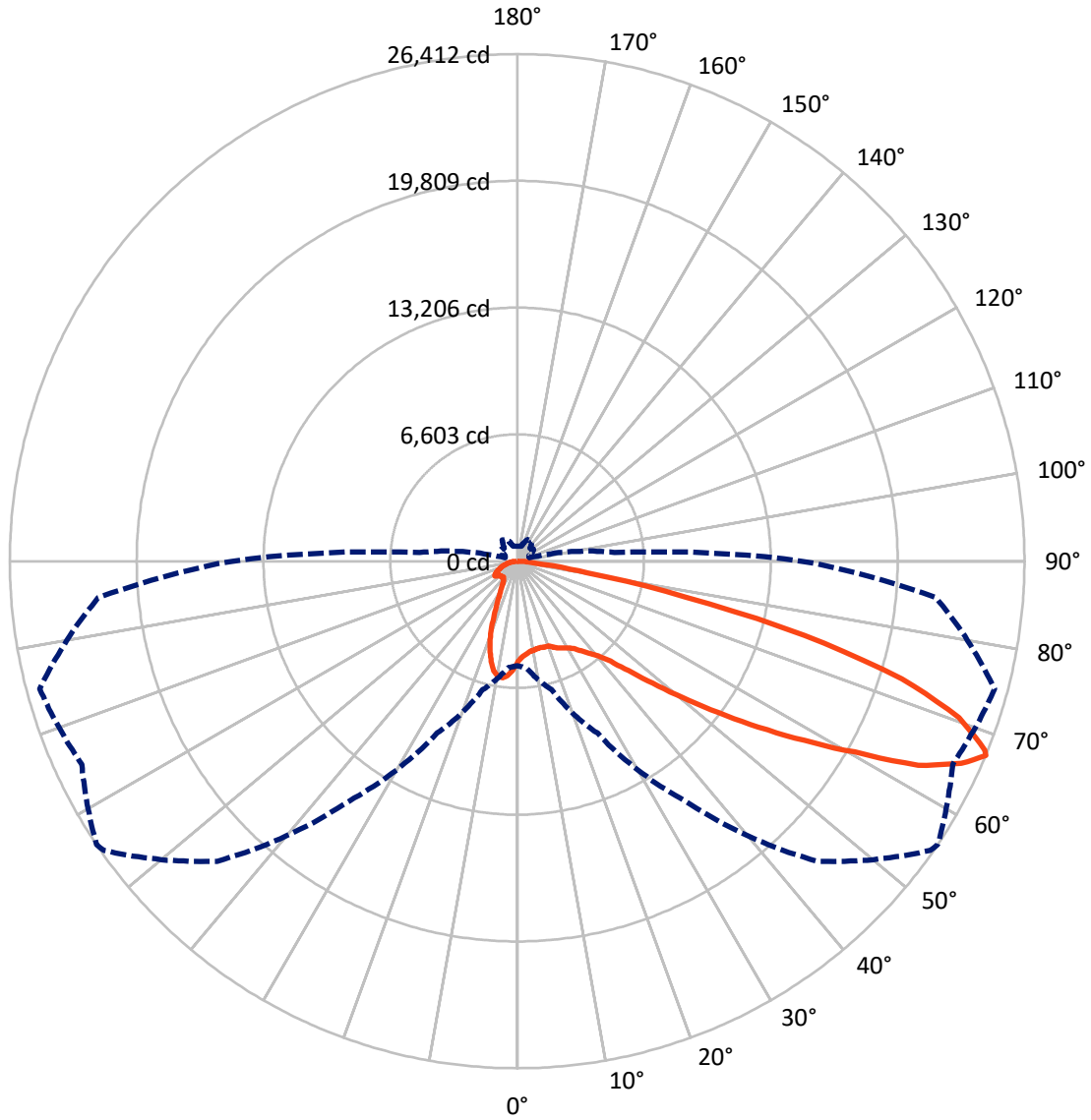
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Short - N/A

REPORT NUMBER: P477821
CATALOG NUMBER: IFLD-S-SA6B-750-U-T3R

Luminous Intensity Polar Plot



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

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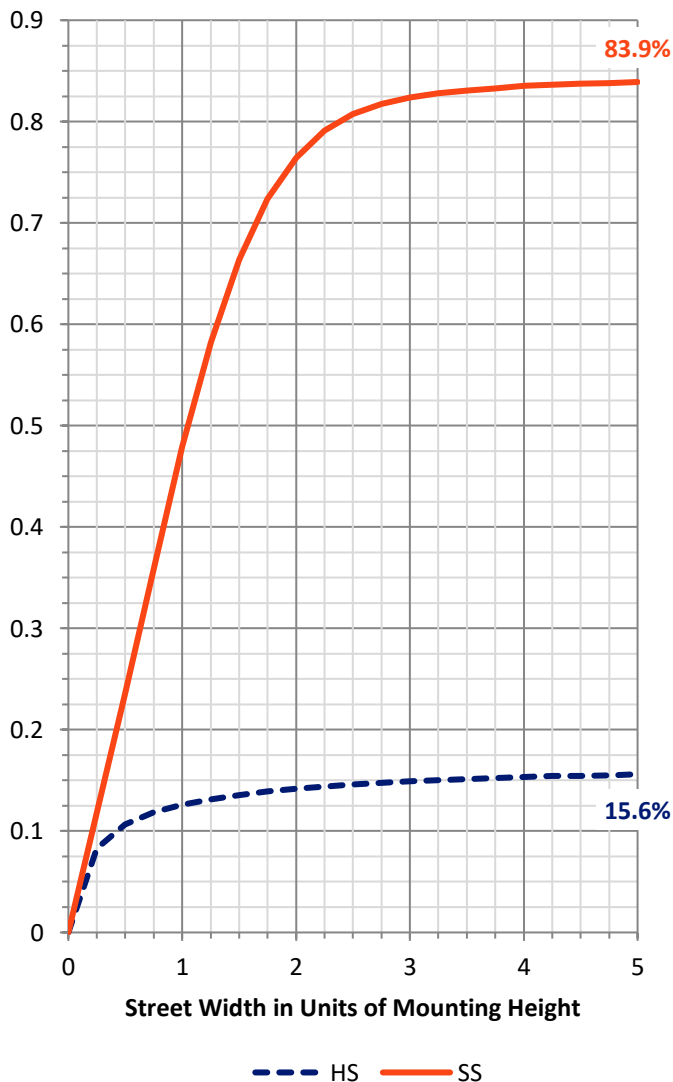
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5309.7	0.0	5309.7
	% Fixture	15.8	0.0	15.8
Street Side	Lumens	28230.0	0.0	28230.0
	% Fixture	84.2	0.0	84.2
Total	Lumens	33539.6	0.0	33539.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.8	1.5
10°-20°	1371.6	4.1
20°-30°	2151.0	6.4
30°-40°	3070.6	9.2
40°-50°	4634.5	13.8
50°-60°	7377.3	22.0
60°-70°	9431.3	28.1
70°-80°	4598.4	13.7
80°-90°	402.3	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°	33539.6	100.0
0°-180°	33539.6	100.0

Coefficient of Utilization

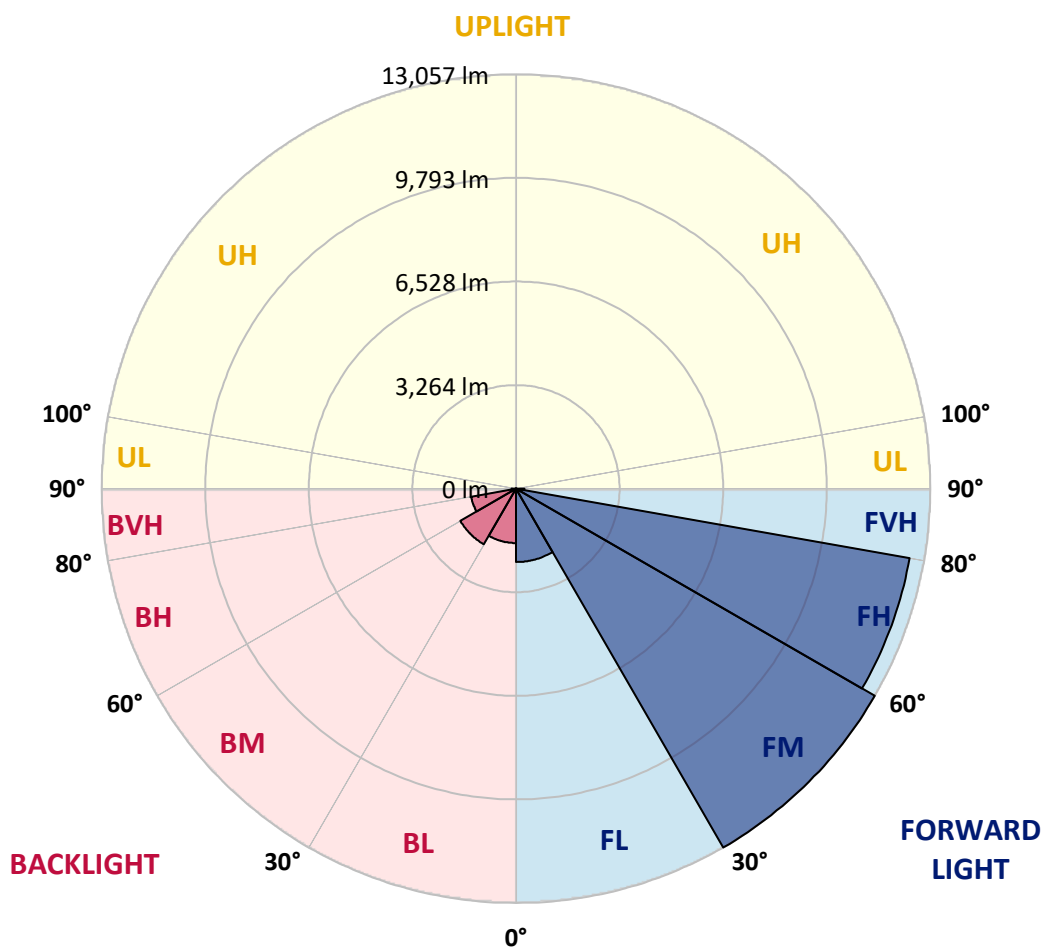


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2311.3	6.9			
FM (30°-60°)	13056.7	38.9			
FH (60°-80°)	12594.9	37.6			G5
FVH (80°-90°)	267.2	0.8			G3/500
BL (0°-30°)	1714.1	5.1	B3/2500		
BM (30°-60°)	2025.7	6.0	B2/2500		
BH (60°-80°)	1434.8	4.3	B3/2500		G3/2500
BVH (80°-90°)	135.1	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°	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7
2.5°	4793.9	4774.3	4797.9	4774.3	4880.5	4943.4	4963.1	4990.6	5088.9	5183.3
5°	4593.4	4506.9	4601.2	4632.7	4640.6	4746.8	4856.9	4876.5	4927.7	5081.0
7.5°	4259.1	4357.4	4322.0	4416.4	4514.7	4620.9	4801.8	4750.7	4939.5	5085.0
10°	4188.3	4196.2	4235.5	4270.9	4357.4	4495.1	4746.8	4715.3	4908.0	5218.7
12.5°	4259.1	4259.1	4247.3	4219.8	4318.1	4451.8	4652.4	4668.1	4970.9	5258.0
15°	4506.9	4554.1	4428.2	4447.9	4408.5	4451.8	4628.8	4664.2	4994.5	5289.5
17.5°	5112.5	5096.8	4947.3	4738.9	4565.8	4538.3	4660.2	4699.6	4970.9	5379.9
20°	5702.4	5670.9	5411.4	5195.1	4852.9	4691.7	4711.4	4715.3	5010.2	5438.9
22.5°	6359.2	6441.7	6158.6	5718.1	5293.4	4892.3	4813.6	4876.5	5100.7	5470.4
25°	7389.5	7212.5	6968.7	6390.6	5706.3	5202.9	4982.7	5014.2	5187.2	5549.0
27.5°	8132.8	8062.0	7680.5	7212.5	6284.4	5446.8	5073.2	5132.2	5344.5	5545.1
30°	8848.5	8848.5	8616.5	7916.5	6894.0	5855.8	5265.9	5238.3	5269.8	5537.2
32.5°	9686.2	9572.2	9237.9	8773.8	7660.9	6229.4	5419.2	5427.1	5427.1	5682.7
35°	10126.7	10311.5	10087.3	9332.3	8246.8	6850.7	5788.9	5729.9	5686.7	5844.0
37.5°	10771.6	10881.7	10645.8	10201.4	8974.4	7354.1	6115.3	6068.1	5816.4	5969.8
40°	11161.0	11141.3	11133.4	10928.9	9937.9	7948.0	6595.1	6473.2	6135.0	6414.2
42.5°	11381.2	11341.9	11825.6	11699.7	10846.3	8821.0	7196.8	7130.0	6756.4	7204.7
45°	11629.0	11920.0	12317.2	12671.1	11904.2	10048.0	8215.4	8121.0	7786.7	8357.0
47.5°	11845.3	12203.1	12710.4	13088.0	12859.9	11381.2	9473.8	9497.4	9277.2	9863.2
50°	12207.1	12242.5	12930.7	13693.6	13870.6	12612.1	11164.9	11125.6	11027.3	11849.2
52.5°	12096.9	12203.1	13072.2	14047.6	14338.6	13913.8	12981.8	13099.8	12970.0	14004.3
55°	10303.6	10622.2	12985.7	14421.2	15447.6	15384.7	15317.8	15239.2	15231.3	16426.8
57.5°	9489.6	9749.1	11440.2	14834.1	16635.3	17099.3	17531.9	17618.4	17614.5	19057.8
60°	8954.7	9222.1	10814.9	14609.9	17646.0	19344.9	20174.7	20186.5	20162.9	21869.7
62.5°	7908.6	8168.2	9733.4	13382.9	17925.2	21417.4	23265.8	23419.1	22337.7	24292.2
65°	6650.2	6862.5	8242.9	11507.0	17181.9	22734.9	25590.0	25409.1	24170.3	25676.5
67°	5438.9	5580.5	6925.5	9878.9	15239.2	22101.7	26262.5	26411.9	25015.8	25735.5
67.5°	5092.8	5222.6	6492.9	9324.4	14499.8	21621.9	26286.1	26262.5	25031.5	25747.3
70°	3535.5	3590.5	4424.3	6414.2	10681.2	18267.3	24366.9	24422.0	23981.5	24351.2
72.5°	2343.9	2426.5	2957.4	4042.8	6296.2	13292.5	20367.4	20957.3	20678.1	19966.2
75°	1510.2	1557.3	1934.9	2406.8	3099.0	7570.4	15046.5	15439.7	14798.7	12348.6
77.5°	845.5	896.7	1168.0	1463.0	1510.2	3150.1	8451.3	8939.0	7574.4	5246.2
80°	527.0	593.8	880.9	869.1	719.7	1156.2	3484.4	3732.1	3028.2	1805.1
82.5°	397.2	448.3	680.4	609.6	405.1	515.2	1305.7	1400.0	1109.0	696.1
85°	271.4	342.1	491.6	377.5	212.4	247.8	519.1	558.4	507.3	338.2
87.5°	98.3	145.5	255.6	188.8	94.4	74.7	169.1	188.8	180.9	153.4
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°
5218.7	0°	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7	5218.7
5265.9	2.5°	5340.6	5395.6	5423.2	5584.4	5651.3	5639.5	5655.2	5678.8	5702.4	5733.9
5332.7	5°	5383.8	5553.0	5643.4	5832.2	5958.0	5903.0	5973.8	5954.1	5926.6	5922.6
5454.6	7.5°	5525.4	5741.7	6013.1	6064.2	6119.3	5981.6	5863.6	5702.4	5663.1	5525.4
5556.9	10°	5777.1	5954.1	6284.4	6304.1	6060.3	5706.3	5442.8	5108.6	5104.6	4904.1
5714.2	12.5°	6017.0	6217.6	6485.0	6371.0	5788.9	5305.2	4876.5	4510.8	4357.4	4255.2
5808.6	15°	6166.5	6496.8	6638.4	6146.8	5313.1	4660.2	4105.7	3712.5	3555.1	3480.4
5926.6	17.5°	6304.1	6764.2	6701.3	5753.5	4727.1	3995.6	3334.9	2992.8	2949.5	2894.5
6115.3	20°	6492.9	6862.5	6477.1	5242.3	4062.5	3138.3	2717.5	2552.3	2591.6	2615.2
6135.0	22.5°	6669.8	6913.7	6194.0	4683.8	3209.1	2485.5	2277.0	2312.4	2371.4	2450.1
6182.2	25°	6748.5	6996.2	5812.5	3913.0	2442.2	2092.2	2045.0	2104.0	2202.3	2206.2
6249.0	27.5°	6799.6	6937.3	5352.4	3161.9	1930.9	1828.7	1899.5	1942.7	1954.5	2001.7
6390.6	30°	6890.1	6815.3	4770.3	2261.3	1620.3	1624.2	1714.7	1714.7	1714.7	1750.0
6532.2	32.5°	7047.4	6732.8	4090.0	1651.7	1396.1	1521.9	1498.4	1490.5	1474.8	1431.5
6713.1	35°	7145.7	6508.6	3228.7	1223.1	1254.5	1396.1	1388.2	1266.3	1061.8	959.6
7173.2	37.5°	7350.2	6394.5	2375.3	943.8	1171.9	1333.2	1289.9	995.0	770.8	672.5
7743.5	40°	7790.7	6319.8	1643.9	825.9	1116.9	1301.7	1152.3	849.5	589.9	416.9
8624.4	42.5°	8329.4	6323.8	1116.9	778.7	1120.8	1368.6	1109.0	727.5	416.9	334.3
9800.3	45°	9053.0	6264.8	766.9	778.7	1191.6	1478.7	1136.5	660.7	405.1	424.7
11275.0	47.5°	9831.7	6315.9	570.2	707.9	1203.4	1482.6	1038.2	648.9	389.3	491.6
12879.5	50°	10740.2	6367.0	471.9	652.8	1207.3	1435.4	955.6	633.2	405.1	519.1
14720.0	52.5°	11676.1	6528.3	401.1	617.4	1254.5	1415.8	955.6	656.8	405.1	452.3
17063.9	55°	13072.2	6941.2	578.1	770.8	1427.6	1545.5	1175.9	920.2	566.3	582.0
19309.5	57.5°	14613.9	7365.9	645.0	810.1	1466.9	1392.2	1266.3	1014.6	597.8	601.7
21055.6	60°	15628.5	7381.7	641.0	790.5	1372.5	1203.4	1238.8	1069.7	609.6	515.2
22137.1	62.5°	16033.6	6901.9	668.6	790.5	1278.1	1124.7	1270.3	1152.3	629.2	645.0
22443.8	65°	15573.4	5910.8	645.0	707.9	1124.7	1006.8	1278.1	1168.0	688.2	648.9
21893.3	67°	14853.8	5092.8	656.8	672.5	1046.1	955.6	1345.0	1227.0	798.3	778.7
21606.2	67.5°	14649.3	4876.5	652.8	652.8	1018.6	939.9	1360.7	1227.0	814.1	806.2
19069.6	70°	12911.0	3952.3	668.6	645.0	900.6	892.7	1447.2	1293.9	936.0	943.8
14008.2	72.5°	9827.8	2996.7	664.6	645.0	782.6	853.4	1459.0	1337.1	1018.6	943.8
7845.7	75°	5584.4	1793.3	586.0	562.4	617.4	743.3	1364.6	1274.2	991.0	845.5
3134.4	77.5°	2308.5	924.2	538.8	507.3	511.2	605.6	1136.5	1187.7	943.8	719.7
1046.1	80°	861.3	554.5	432.6	405.1	393.3	444.4	810.1	947.8	806.2	589.9
460.1	82.5°	448.3	346.1	295.0	295.0	267.4	283.2	436.5	629.2	609.6	405.1
184.8	85°	228.1	196.6	169.1	165.2	149.4	133.7	220.2	373.6	350.0	224.2
82.6	87.5°	121.9	110.1	70.8	66.9	55.1	35.4	39.3	74.7	121.9	98.3
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>
5218.7
5765.3
5958.0
5572.6
4896.2
4231.6
3464.7
2922.0
2587.7
2406.8
2245.6
2045.0
1789.4
1407.9
1006.8
668.6
405.1
326.4
432.6
546.6
601.7
464.1
613.5
582.0
530.9
652.8
637.1
766.9
790.5
873.1
837.7
755.1
680.4
538.8
318.5
184.8
70.8
0.0

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