

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: P477238

Luminaire Tested: **IFLD-S-SA6D-722-U-T3**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P477238
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-T3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

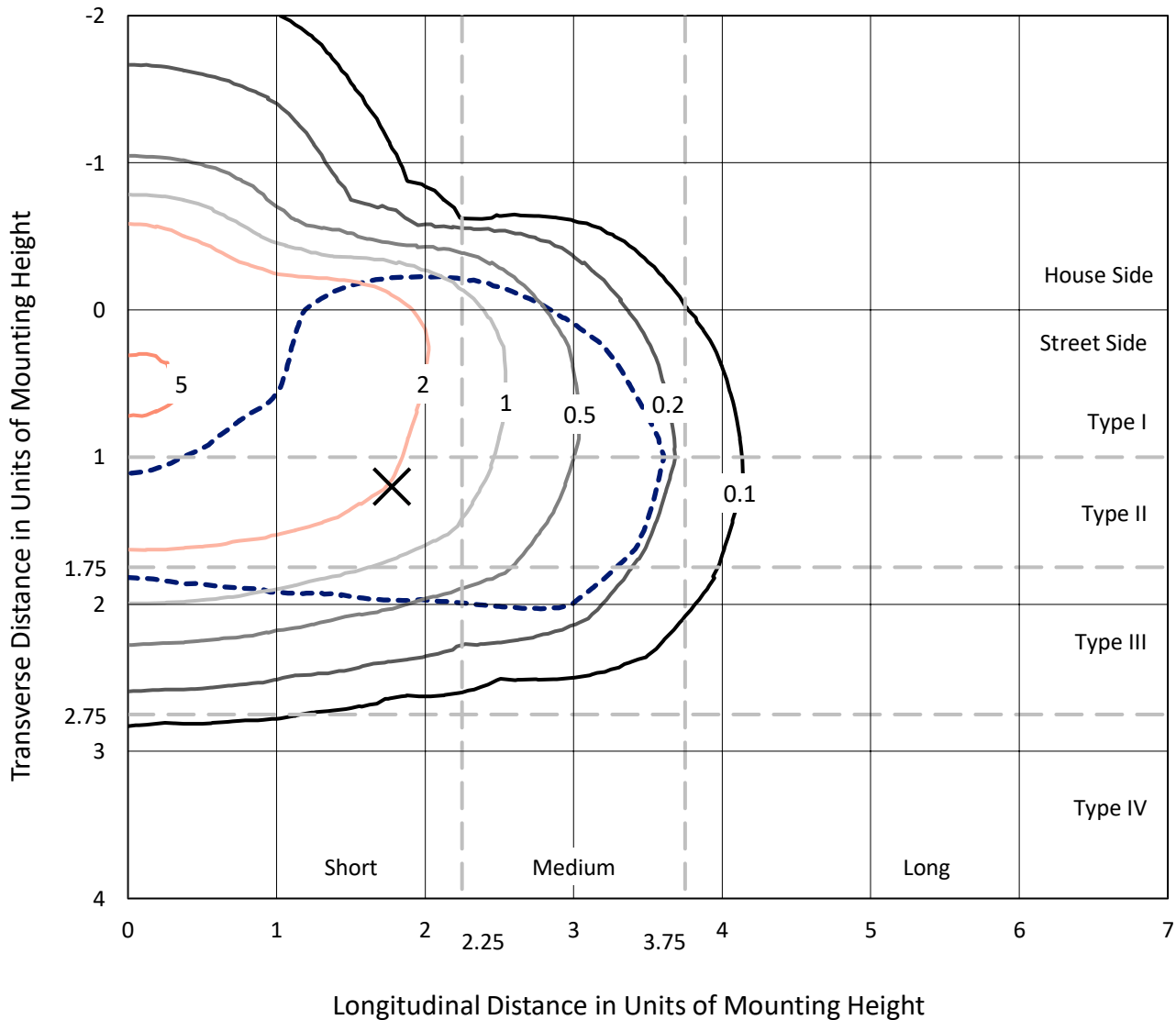
Lumens per Lamp: N/A
Luminaire Lumens: 34302.5 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 368.2
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: P477238
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T3

Iso-Footcandle Lines of Horizontal Illumination

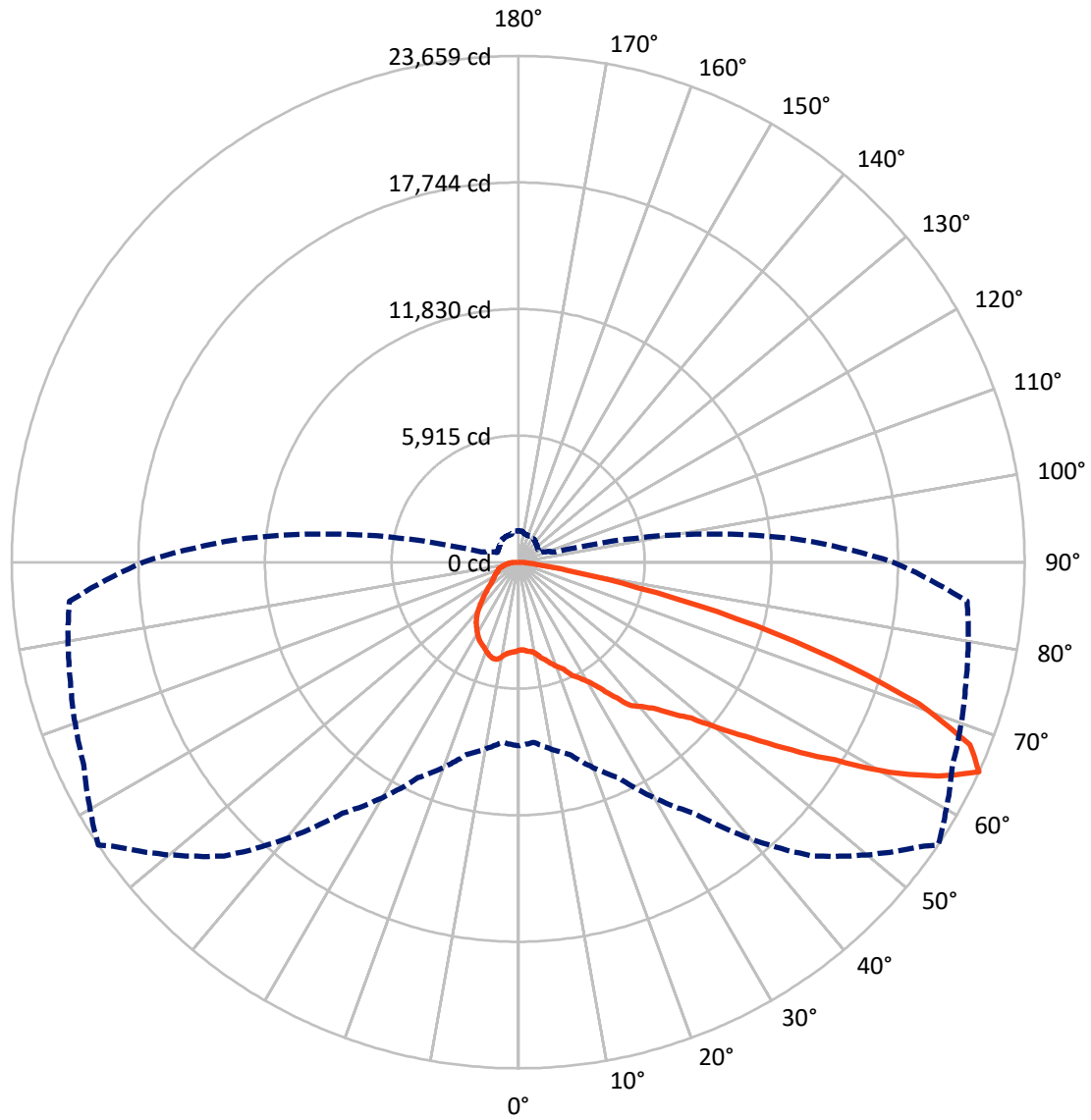
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

REPORT NUMBER: P477238
CATALOG NUMBER: IFLD-S-SA6D-722-U-T3

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	7692.9	0.0	7692.9
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	26609.5	0.0	26609.5
	% Fixture	77.6	0.0	77.6
Total	Lumens	34302.5	0.0	34302.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.0	1.2
10°-20°	1324.9	3.9
20°-30°	2359.0	6.9
30°-40°	3532.5	10.3
40°-50°	5233.9	15.3
50°-60°	8064.6	23.5
60°-70°	9130.2	26.6
70°-80°	3789.1	11.0
80°-90°	460.3	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°	34302.5	100.0
0°-180°	34302.5	100.0

Coefficient of Utilization

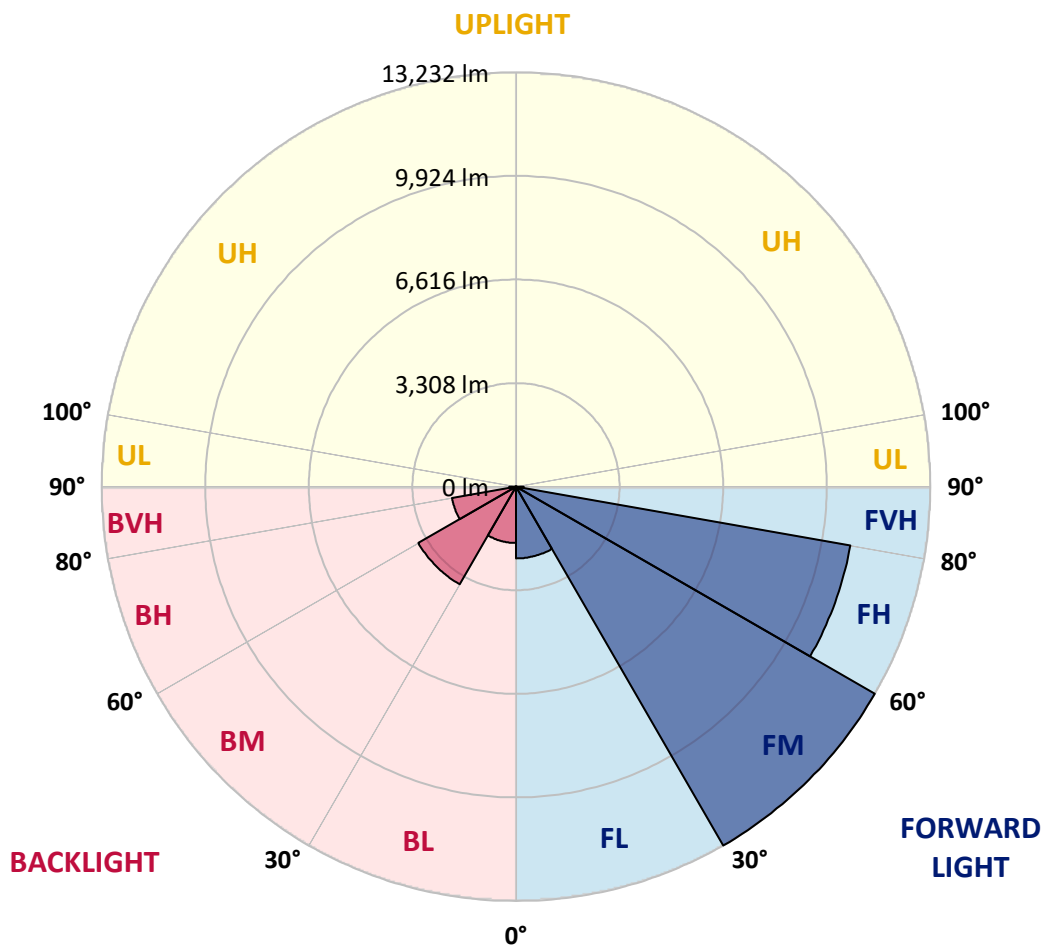


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2292.4	6.7			
FM (30°-60°)	13232.4	38.6			
FH (60°-80°)	10841.9	31.6			G4/12000
FVH (80°-90°)	242.8	0.7			G3/500
BL (0°-30°)	1799.4	5.2	B3/2500		
BM (30°-60°)	3598.6	10.5	B3/5000		
BH (60°-80°)	2077.4	6.1	B3/2500		G3/2500
BVH (80°-90°)	217.5	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





REPORT NUMBER: P477238
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°
0°	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3
2.5°	4009.6	4031.1	4016.8	4059.8	4095.7	4095.7	4124.5	4102.9	4131.6	4171.1
5°	4142.4	4056.2	4102.9	4124.5	4113.7	4131.6	4102.9	4174.7	4128.0	4203.4
7.5°	4174.7	4207.0	4246.5	4210.6	4242.9	4225.0	4228.6	4217.8	4192.7	4253.7
10°	4411.6	4365.0	4454.7	4400.9	4393.7	4386.5	4372.1	4318.3	4379.3	4382.9
12.5°	4684.4	4641.4	4637.8	4594.7	4652.1	4548.0	4569.6	4540.8	4551.6	4566.0
15°	4881.9	4863.9	4946.5	4896.2	4820.8	4774.2	4824.4	4745.5	4784.9	4777.8
17.5°	5273.1	5269.5	5208.5	5126.0	5082.9	5014.7	5003.9	4971.6	5000.3	4986.0
20°	5545.9	5585.4	5596.2	5499.3	5334.1	5258.8	5240.8	5215.7	5248.0	5237.2
22.5°	5962.3	5901.3	5948.0	5779.3	5718.2	5538.8	5474.1	5438.2	5592.6	5553.1
25°	6228.0	6292.6	6245.9	6188.5	6052.1	5829.5	5782.8	5861.8	5922.8	5879.8
27.5°	6827.4	6762.8	6719.7	6547.4	6457.7	6224.4	6170.5	6141.8	6156.2	6181.3
30°	7283.3	7319.2	7222.3	7100.2	6874.1	6637.2	6511.5	6486.4	6436.2	6393.1
32.5°	7933.0	7879.2	7821.7	7742.8	7548.9	7236.6	7114.6	7021.3	6870.5	6669.5
35°	8245.3	8399.7	8356.6	8144.8	7997.6	7879.2	7843.3	7699.7	7574.1	7258.2
37.5°	8765.8	8830.4	8769.4	8701.2	8633.0	8507.4	8464.3	8503.8	8256.1	7735.6
40°	9103.2	9239.6	9365.3	9175.0	9160.7	9185.8	8920.2	8873.5	8363.8	8091.0
42.5°	9792.4	9849.9	9875.0	9867.8	9950.4	9950.4	9444.2	9343.7	8981.2	8758.6
45°	10704.2	10750.9	10840.6	10905.2	10811.9	10858.5	10137.0	10097.5	9774.5	9731.4
47.5°	11493.9	11605.2	11806.2	11996.4	12118.5	11960.6	11170.8	10890.9	10808.3	11066.7
50°	12183.1	12050.3	12520.5	12714.4	13249.2	13511.3	12312.3	12201.1	12068.2	12563.6
52.5°	12251.3	12430.8	13094.9	13482.5	14584.6	15069.1	13712.3	13665.6	13504.1	14074.8
55°	12739.5	12718.0	13385.6	14225.6	15535.8	16350.6	15535.8	15507.1	15155.3	15697.3
57.5°	12656.9	12875.9	13403.6	14577.4	16393.7	17725.5	17650.1	17452.6	16960.9	17402.4
60°	12376.9	12434.4	13076.9	14566.6	16892.7	19136.2	19933.1	19972.5	18967.5	19319.2
62.5°	10790.3	10923.2	11738.0	13421.5	16537.3	20108.9	22162.2	22022.2	21218.1	20816.1
65°	8582.7	8449.9	9297.1	11117.0	14326.1	19419.7	23138.6	23659.1	22395.5	21659.7
67.5°	5262.4	5230.0	6044.9	7649.4	10718.5	16526.5	22359.6	22765.3	22068.9	21480.2
70°	2710.1	2627.6	3137.3	4268.0	6737.7	12125.7	19459.2	19857.7	20521.8	19265.4
72.5°	1263.5	1245.6	1518.4	2099.9	3431.7	7128.9	15069.1	15356.3	16756.3	16242.9
75°	743.0	753.8	908.2	1098.4	1672.8	3359.9	10000.6	10557.0	12075.4	11705.7
77.5°	556.4	556.4	646.1	764.6	976.4	1299.4	4935.7	5671.6	7060.7	6350.0
80°	409.2	416.4	495.4	574.3	678.4	671.3	1959.9	2297.3	3237.8	2767.6
82.5°	319.5	330.2	384.1	427.2	477.4	405.6	804.1	865.1	1331.7	1058.9
85°	222.6	229.7	301.5	290.8	290.8	226.1	333.8	351.8	527.7	502.5
87.5°	53.8	61.0	147.2	161.5	122.0	68.2	104.1	118.5	190.2	219.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P477238
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4117.3	0°	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3	4117.3
4189.1	2.5°	4135.2	4149.6	4210.6	4178.3	4196.2	4120.9	4181.9	4131.6	4174.7	4153.2
4221.4	5°	4250.1	4217.8	4253.7	4228.6	4228.6	4257.3	4300.3	4268.0	4332.6	4303.9
4246.5	7.5°	4296.8	4300.3	4321.9	4325.5	4307.5	4397.3	4400.9	4390.1	4451.1	4436.7
4418.8	10°	4411.6	4415.2	4454.7	4476.2	4458.3	4490.6	4454.7	4426.0	4422.4	4408.0
4555.2	12.5°	4594.7	4630.6	4623.4	4641.4	4644.9	4508.5	4426.0	4286.0	4268.0	4286.0
4756.2	15°	4763.4	4749.0	4756.2	4792.1	4641.4	4422.4	4275.2	4156.8	4163.9	4167.5
5018.3	17.5°	4964.4	4975.2	4986.0	4820.8	4544.4	4286.0	4156.8	4156.8	4120.9	4135.2
5201.3	20°	5194.2	5151.1	5057.7	4824.4	4375.7	4128.0	4088.6	4088.6	4045.5	4016.8
5398.8	22.5°	5373.6	5287.5	5147.5	4713.1	4225.0	4067.0	3970.1	3901.9	3851.6	3794.2
5617.7	25°	5488.5	5441.8	5169.0	4598.3	4113.7	3905.5	3761.9	3657.8	3593.2	3517.8
5790.0	27.5°	5664.4	5574.7	5230.0	4465.5	3991.6	3744.0	3521.4	3359.9	3237.8	3158.8
6052.1	30°	5901.3	5772.1	5187.0	4275.2	3805.0	3464.0	3201.9	2993.7	2853.7	2789.1
6299.8	32.5°	6095.1	5926.4	5151.1	4102.9	3596.8	3180.4	2832.2	2620.4	2541.4	2458.9
6716.1	35°	6464.9	6131.0	5126.0	4006.0	3410.1	2896.8	2530.7	2347.6	2247.1	2125.0
6963.8	37.5°	6748.5	6486.4	5064.9	3805.0	3169.6	2620.4	2300.9	2135.8	1985.0	1855.8
7538.2	40°	7193.6	6981.8	5068.5	3521.4	2886.0	2383.5	2121.5	1949.2	1758.9	1647.6
8388.9	42.5°	8029.9	7470.0	5090.1	3295.3	2566.6	2189.7	1959.9	1755.3	1565.1	1471.7
9358.1	45°	9056.6	8141.2	4957.2	3090.6	2239.9	2006.6	1766.1	1561.5	1439.4	1371.2
10675.5	47.5°	10237.5	8798.1	4777.8	2706.6	1967.1	1812.7	1586.6	1468.1	1378.4	1338.9
12373.4	50°	11558.5	9738.6	4727.5	2354.8	1755.3	1647.6	1500.5	1410.7	1349.7	1303.0
14286.6	52.5°	13260.0	10833.4	4627.0	1992.2	1572.2	1514.8	1468.1	1407.1	1353.3	1313.8
16070.6	55°	14886.1	12046.7	4519.3	1694.3	1443.0	1450.2	1475.3	1421.5	1374.8	1313.8
18070.1	57.5°	16716.8	13285.1	4120.9	1475.3	1346.1	1417.9	1468.1	1407.1	1360.5	1313.8
20116.1	60°	17847.5	13981.5	3341.9	1285.1	1260.0	1356.9	1425.1	1360.5	1310.2	1328.2
21056.6	62.5°	18307.0	13615.4	2519.9	1166.6	1198.9	1274.3	1356.9	1331.7	1295.8	1364.0
21045.8	65°	17524.4	12771.8	1802.0	1066.1	1116.4	1191.7	1295.8	1324.6	1335.3	1468.1
19330.0	67.5°	15593.2	11120.6	1324.6	983.6	1030.2	1141.5	1338.9	1385.6	1378.4	1543.5
16221.4	70°	12477.5	8697.6	1033.8	915.3	997.9	1181.0	1399.9	1399.9	1349.7	1543.5
12373.4	72.5°	9078.1	6131.0	890.2	836.4	915.3	1084.1	1392.8	1389.2	1324.6	1410.7
7879.2	75°	5495.7	3568.1	786.1	757.4	786.1	929.7	1331.7	1310.2	1220.5	1213.3
3790.6	77.5°	2738.9	1794.8	642.5	671.3	685.6	778.9	1170.2	1202.5	1080.5	1051.8
1496.9	80°	1155.9	782.5	534.9	577.9	577.9	656.9	972.8	994.3	897.4	843.6
592.3	82.5°	527.7	448.7	455.9	502.5	470.2	509.7	771.8	796.9	728.7	638.9
251.3	85°	222.6	254.9	348.2	394.9	348.2	330.2	531.3	560.0	473.8	394.9
107.7	87.5°	100.5	140.0	219.0	287.2	175.9	154.4	283.6	294.3	236.9	175.9
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>
4117.3
4113.7
4264.4
4415.2
4408.0
4293.2
4217.8
4138.8
3973.7
3761.9
3532.2
3194.7
2825.0
2455.3
2114.3
1859.4
1658.4
1478.9
1385.6
1331.7
1310.2
1310.2
1310.2
1310.2
1313.8
1346.1
1468.1
1554.3
1511.2
1360.5
1198.9
1033.8
825.6
624.6
398.4
165.1
0.0

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