

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: P637898

Luminaire Tested: **IFLD-S-SA2B-740-U-66-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P637898  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-740-U-66-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 6 distribution lens and Visor  
Light Source: (32) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9627.6 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G1

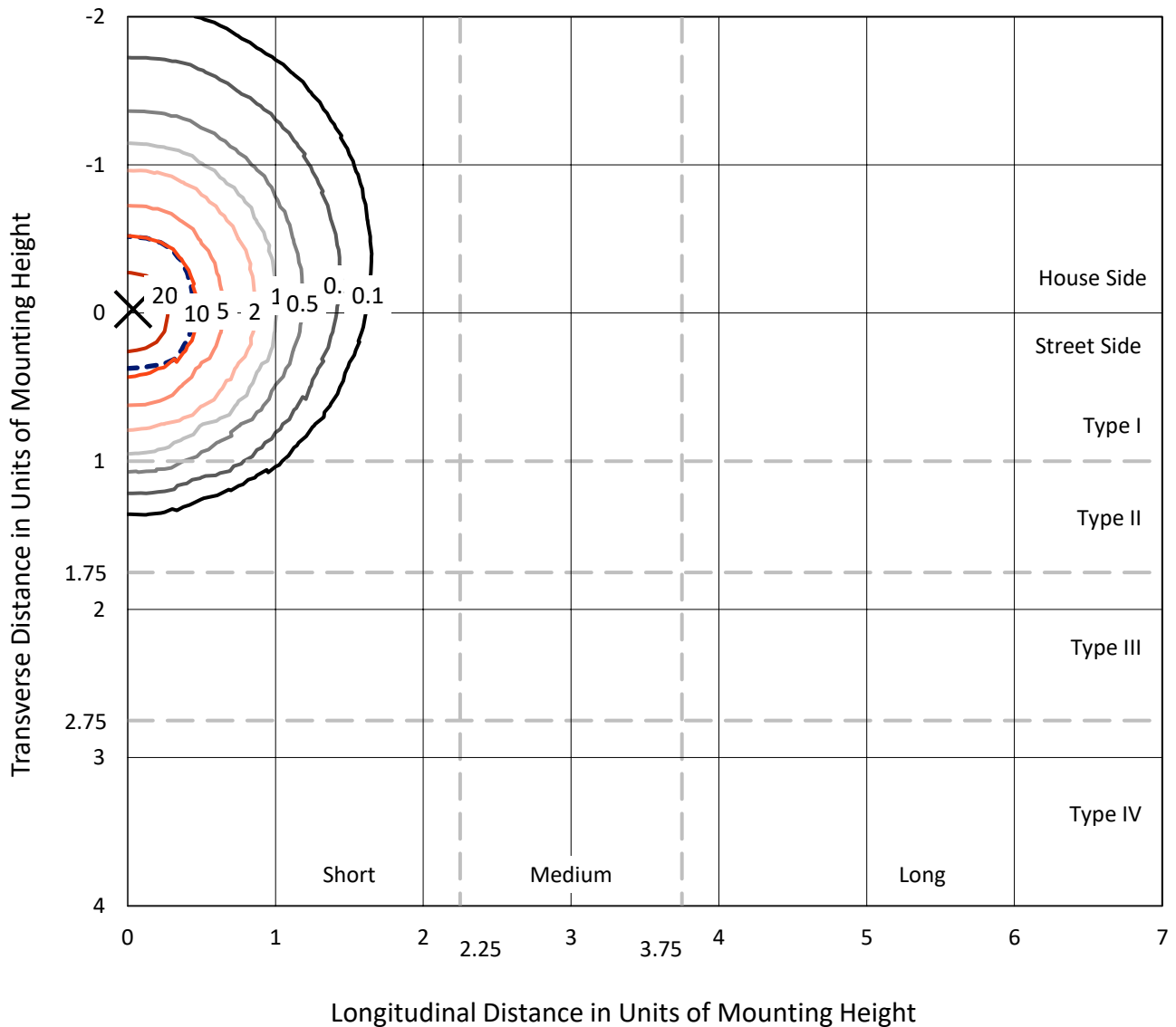
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

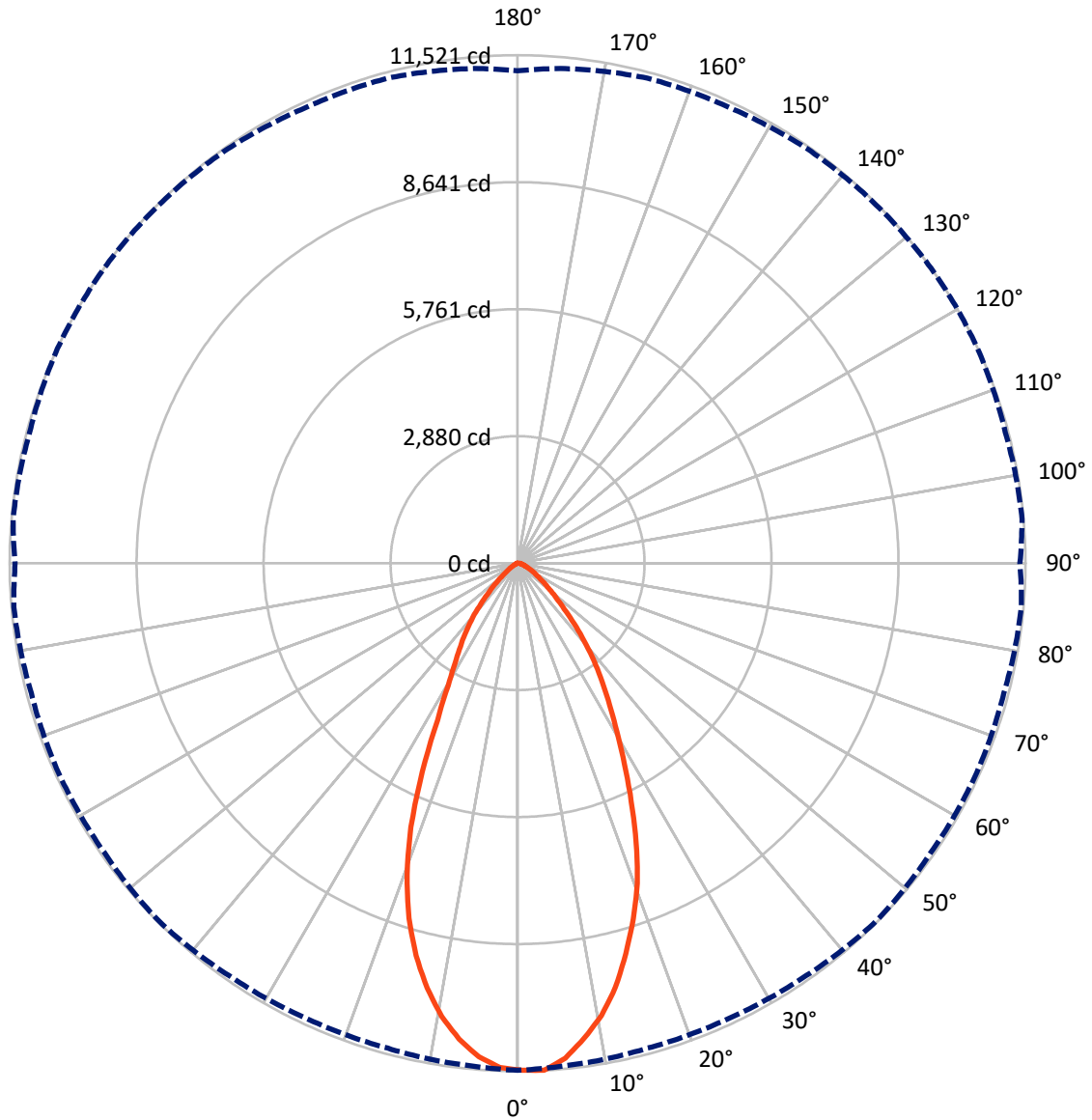
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 28.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 125-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical



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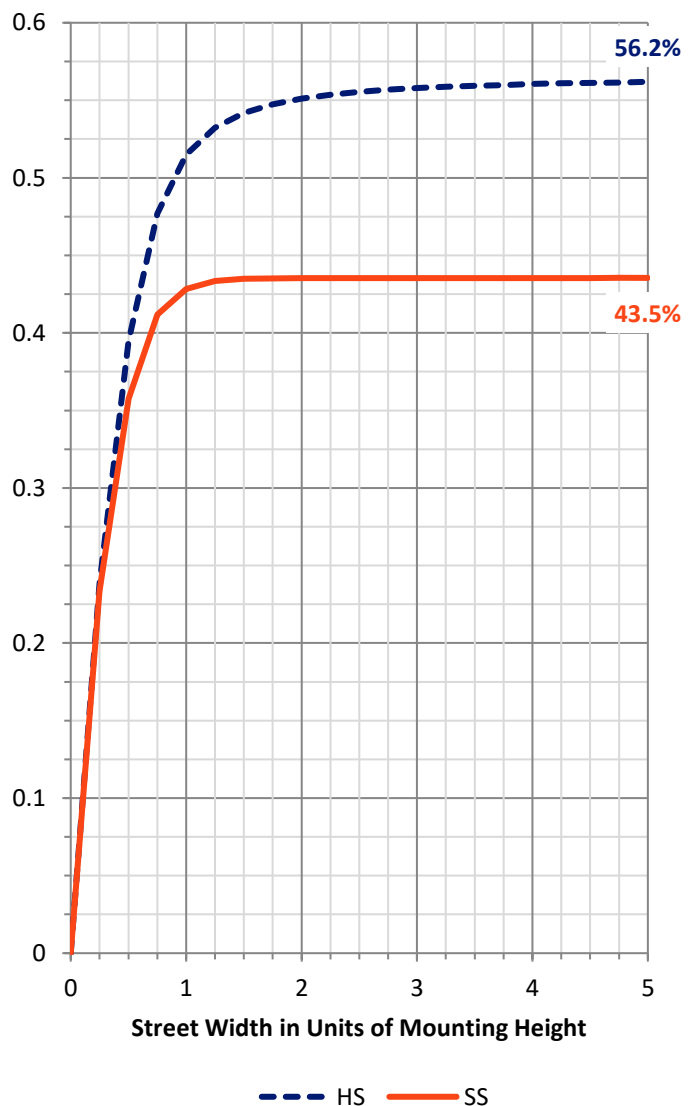
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5463.1	0.0	5463.1
	% Fixture	56.7	0.0	56.7
<b>Street Side</b>	Lumens	4164.5	0.0	4164.5
	% Fixture	43.3	0.0	43.3
<b>Total</b>	Lumens	9627.6	0.0	9627.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1044.5	10.8
10°-20°	2489.8	25.9
20°-30°	2535.8	26.3
30°-40°	1891.0	19.6
40°-50°	987.9	10.3
50°-60°	415.5	4.3
60°-70°	169.7	1.8
70°-80°	71.4	0.7
80°-90°	22.0	0.2
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°	9627.6	100.0
0°-180°	9627.6	100.0



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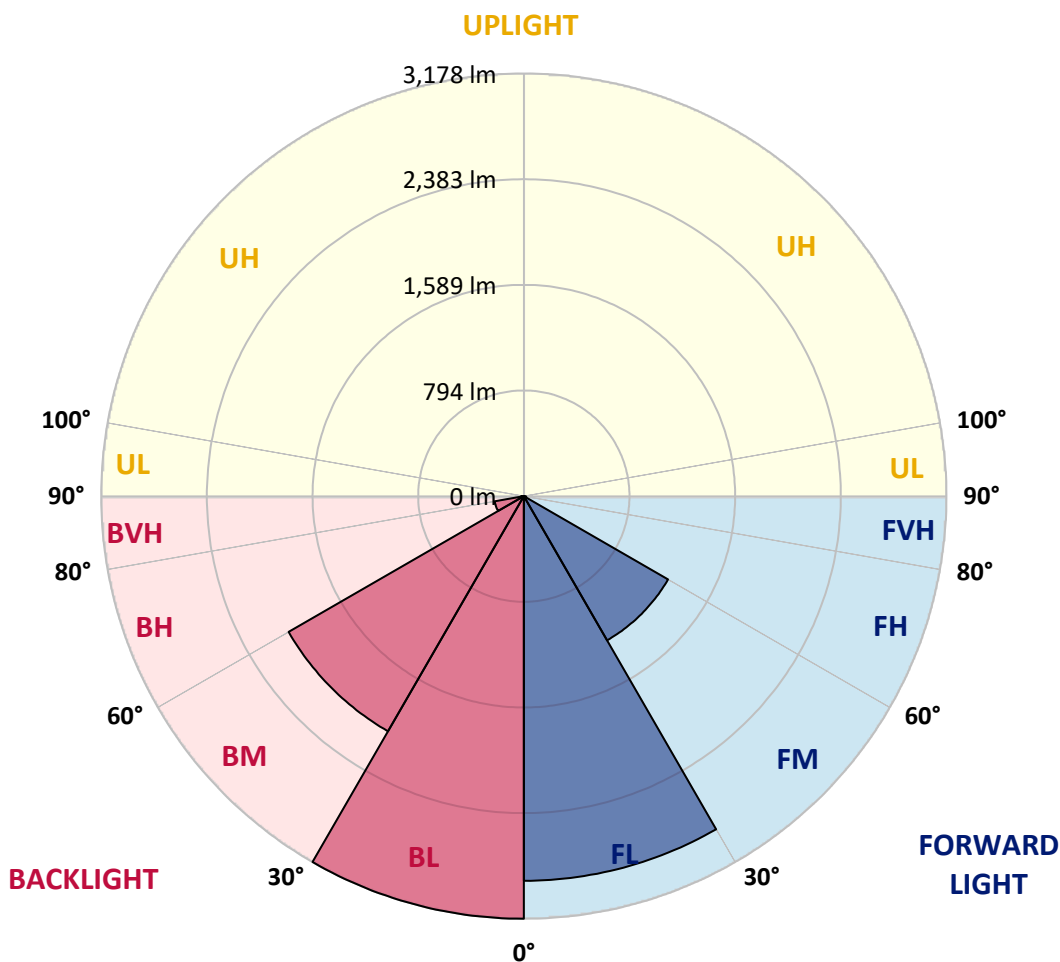
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2892.3	30.0			
FM (30°-60°)	1252.1	13.0			
FH (60°-80°)	18.1	0.2			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	3177.9	33.0	B4/5000		
BM (30°-60°)	2042.3	21.2	B2/2500		
BH (60°-80°)	223.0	2.3	B1/500		G1/500
BVH (80°-90°)	20.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7
2.5°	11503.9	11456.9	11390.1	11383.9	11418.6	11494.0	11445.8	11448.2	11418.6	11469.3
5°	11323.3	11278.8	11233.1	11172.5	11223.2	11255.3	11230.6	11203.4	11165.0	11214.5
7.5°	10982.0	10957.3	10889.2	10862.0	10893.0	10928.8	10875.6	10868.2	10815.0	10879.4
10°	10460.1	10450.2	10383.4	10367.4	10394.6	10449.0	10425.5	10420.5	10387.1	10381.0
12.5°	9918.4	9880.1	9797.2	9792.3	9833.1	9914.7	9851.6	9791.0	9809.6	9825.7
15°	8523.4	8482.6	8687.9	9010.7	9180.1	9173.9	9192.5	9119.5	9097.3	9104.7
17.5°	6775.9	6706.7	6780.9	7280.5	8085.6	8553.1	8424.5	8267.4	8183.3	8127.7
20°	5848.4	5852.1	5838.5	5967.1	6469.2	7535.3	7504.4	7201.4	7091.3	7045.5
22.5°	5284.5	5263.4	5233.8	5274.6	5409.4	6035.2	6454.4	6176.1	6137.8	6087.1
25°	4731.7	4731.7	4695.8	4736.6	4774.9	4783.6	5204.1	5317.9	5243.7	5243.7
27.5°	4253.1	4228.3	4212.2	4230.8	4180.1	3936.5	3989.6	4572.1	4521.4	4490.5
30°	3778.2	3770.7	3743.5	3768.3	3580.3	3305.7	3194.4	3858.5	3911.7	3900.6
32.5°	3119.0	3148.7	3269.9	3308.2	2986.7	2765.3	2658.9	3203.1	3415.8	3407.1
35°	2119.7	2144.5	2283.0	2740.6	2475.9	2317.6	2286.7	2547.6	2897.6	2931.0
37.5°	1688.1	1684.4	1724.0	1805.6	1989.9	1951.5	1942.9	2010.9	2363.4	2378.2
40°	1391.3	1386.4	1385.1	1318.3	1272.6	1622.6	1599.1	1558.3	1863.7	1893.4
42.5°	1121.7	1126.6	1130.4	984.4	917.6	1251.6	1237.9	1195.9	1461.8	1496.4
45°	880.5	879.3	886.7	733.4	714.8	800.2	925.1	891.7	1103.1	1140.2
47.5°	456.3	472.4	572.6	567.7	576.3	567.7	700.0	691.3	829.8	889.2
50°	306.7	311.7	320.3	321.5	453.9	418.0	474.9	538.0	581.3	672.8
52.5°	237.4	241.2	218.9	205.3	278.3	309.2	311.7	372.3	405.6	498.4
55°	132.3	148.4	159.5	160.8	153.4	228.8	227.6	275.8	301.8	363.6
57.5°	17.3	21.0	32.2	103.9	102.6	127.4	159.5	200.3	215.2	265.9
60°	1.2	2.5	3.7	16.1	68.0	74.2	108.8	124.9	149.6	186.7
62.5°	0.0	0.0	1.2	3.7	13.6	43.3	56.9	65.5	87.8	122.4
65°	0.0	0.0	1.2	2.5	4.9	16.1	22.3	35.9	51.9	75.4
67.5°	0.0	0.0	1.2	2.5	3.7	6.2	9.9	16.1	27.2	45.8
70°	0.0	0.0	1.2	2.5	3.7	4.9	7.4	9.9	14.8	24.7
72.5°	0.0	0.0	1.2	1.2	2.5	6.2	6.2	7.4	9.9	13.6
75°	0.0	0.0	1.2	2.5	3.7	6.2	6.2	6.2	7.4	8.7
77.5°	0.0	0.0	1.2	2.5	3.7	6.2	4.9	6.2	6.2	6.2
80°	0.0	0.0	1.2	2.5	3.7	6.2	7.4	6.2	4.9	4.9
82.5°	0.0	0.0	1.2	3.7	3.7	8.7	8.7	8.7	3.7	3.7
85°	0.0	0.0	2.5	3.7	6.2	9.9	9.9	7.4	3.7	2.5
87.5°	0.0	0.0	1.2	2.5	2.5	4.9	7.4	6.2	2.5	1.2
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
11502.7	0°	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7	11502.7
11395.1	2.5°	11486.6	11455.7	11513.8	11521.2	11496.5	11465.6	11393.8	11387.6	11262.7
11142.8	5°	11268.9	11218.2	11255.3	11280.0	11271.4	11238.0	11208.3	11181.1	11068.6
10733.4	7.5°	10863.3	10844.7	10862.0	10880.6	10916.5	10880.6	10868.2	10839.8	10728.5
10330.3	10°	10413.1	10378.5	10444.0	10435.4	10425.5	10415.6	10363.6	10368.6	10237.5
9781.2	12.5°	9860.3	9802.2	9865.2	9872.7	9865.2	9830.6	9772.5	9797.2	9677.3
9039.1	15°	9117.0	9110.9	9156.6	9186.3	9207.3	9170.2	9150.4	9162.8	9091.1
8084.4	17.5°	8204.3	8284.7	8434.4	8485.1	8486.3	8524.7	8513.5	8498.7	8445.5
7027.0	20°	7130.9	7285.5	7515.5	7751.7	7819.7	7787.6	7772.7	7799.9	7720.8
6033.9	22.5°	6140.3	6272.6	6539.7	6884.8	7083.9	7103.7	7100.0	7076.5	7045.5
5238.7	25°	5299.3	5416.8	5672.8	5988.2	6370.3	6427.2	6429.7	6422.2	6395.0
4517.7	27.5°	4589.4	4731.7	4872.6	5154.6	5561.5	5796.5	5766.8	5758.1	5748.2
3909.2	30°	3946.3	4125.7	4258.0	4433.6	4798.4	5116.3	5147.2	5132.4	5108.9
3405.9	32.5°	3436.8	3543.2	3711.4	3830.1	4092.3	4452.2	4570.9	4559.8	4538.7
2952.0	35°	2994.1	3036.1	3168.5	3300.8	3475.2	3823.9	3999.5	3974.8	3971.1
2405.4	37.5°	2466.0	2607.0	2680.0	2813.5	2936.0	3206.8	3449.2	3438.1	3439.3
1934.2	40°	1991.1	2072.7	2217.4	2330.0	2442.5	2640.4	2910.0	2917.4	2914.9
1497.7	42.5°	1528.6	1607.7	1759.8	1882.3	1982.4	2104.9	2362.1	2370.8	2381.9
1166.2	45°	1193.4	1244.1	1355.4	1482.8	1589.2	1663.4	1858.8	1914.4	1915.7
904.0	47.5°	926.3	984.4	1063.6	1186.0	1289.9	1343.1	1485.3	1560.7	1557.0
693.8	50°	727.2	780.4	844.7	941.1	1053.7	1095.7	1200.8	1275.0	1271.3
523.1	52.5°	556.5	624.5	681.4	755.6	865.7	901.6	977.0	1062.3	1050.0
383.4	55°	421.7	491.0	544.2	606.0	706.2	751.9	803.9	871.9	874.4
296.8	57.5°	317.8	389.6	437.8	500.9	576.3	627.0	666.6	739.6	738.3
202.8	60°	227.6	289.4	347.5	413.1	471.2	529.3	556.5	625.8	628.2
143.5	62.5°	164.5	222.6	278.3	335.1	387.1	444.0	468.7	523.1	530.5
94.0	65°	115.0	155.8	220.1	263.4	321.5	363.6	395.7	442.7	451.4
55.7	67.5°	74.2	112.5	174.4	212.7	265.9	301.8	335.1	372.3	383.4
35.9	70°	44.5	85.3	129.9	170.7	218.9	251.1	283.2	315.4	321.5
17.3	72.5°	28.4	59.4	94.0	138.5	175.6	210.2	238.7	262.2	243.6
11.1	75°	16.1	40.8	74.2	108.8	142.2	175.6	199.1	211.5	169.4
7.4	77.5°	9.9	29.7	60.6	87.8	110.1	141.0	155.8	163.2	121.2
4.9	80°	6.2	22.3	50.7	71.7	71.7	103.9	121.2	127.4	87.8
3.7	82.5°	4.9	16.1	39.6	54.4	48.2	77.9	95.2	96.5	61.8
2.5	85°	3.7	12.4	24.7	35.9	33.4	54.4	55.7	61.8	40.8
2.5	87.5°	2.5	7.4	14.8	21.0	18.6	26.0	29.7	33.4	22.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°
11502.7
<i>11165.0</i>
10978.3
10705.0
10193.0
9642.6
9004.5
8366.4
7663.9
6986.2
6303.5
5690.1
5079.2
4483.1
3930.3
3399.7
2871.6
2344.8
1883.5
1543.4
1271.3
1051.2
874.4
735.8
622.1
528.1
448.9
382.1
316.6
226.3
160.8
113.8
81.6
56.9
37.1
19.8
0.0

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