

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: P636883

Luminaire Tested: **IFLD-S-SA2B-930-U-LAM-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636883  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-930-U-LAM-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/  
Lambertian distribution lens and Visor  
Light Source: (32) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5385.8 lumens  
Efficiency: N/A  
Efficacy: 65.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

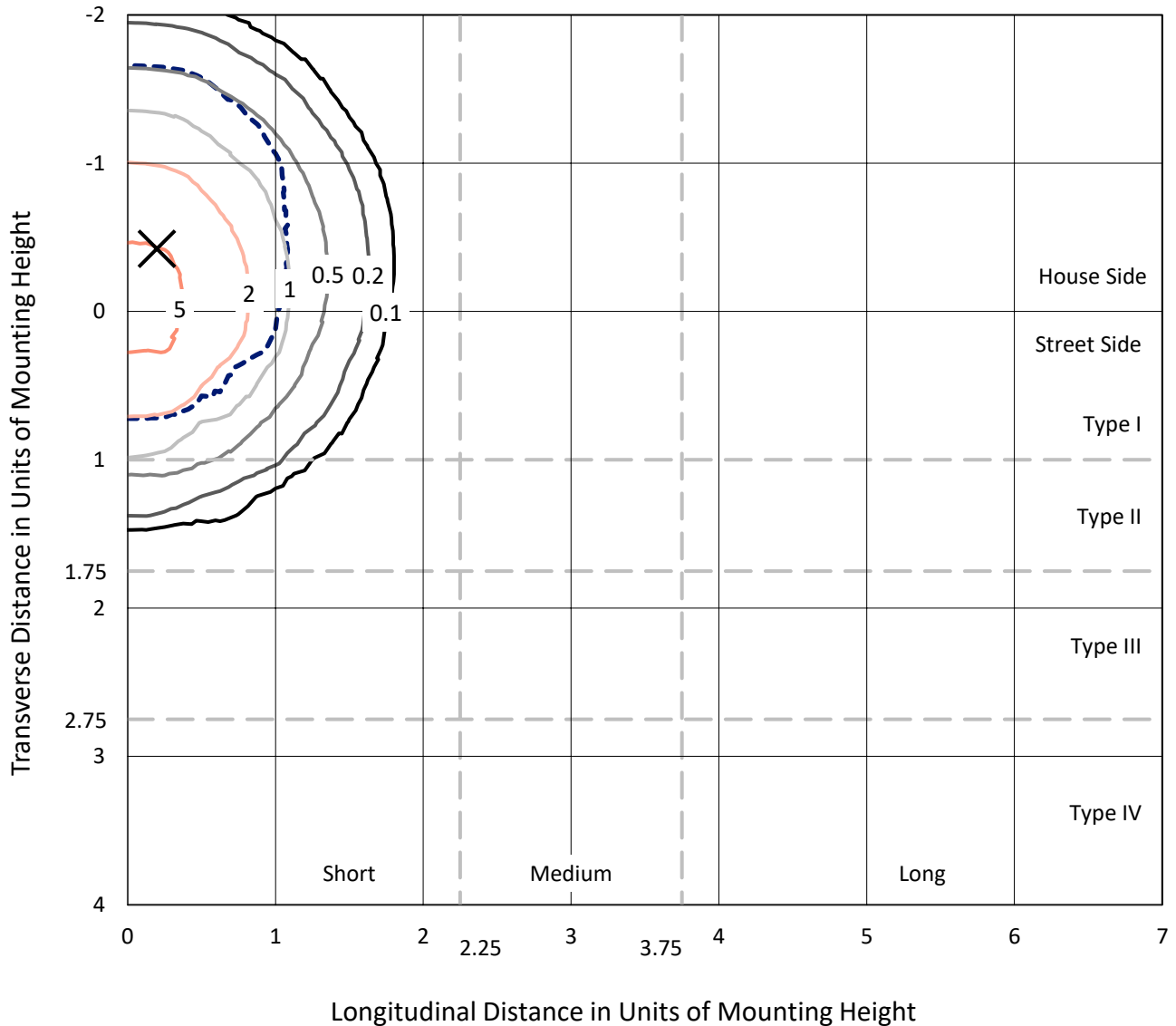
Input Watts (W): 82.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

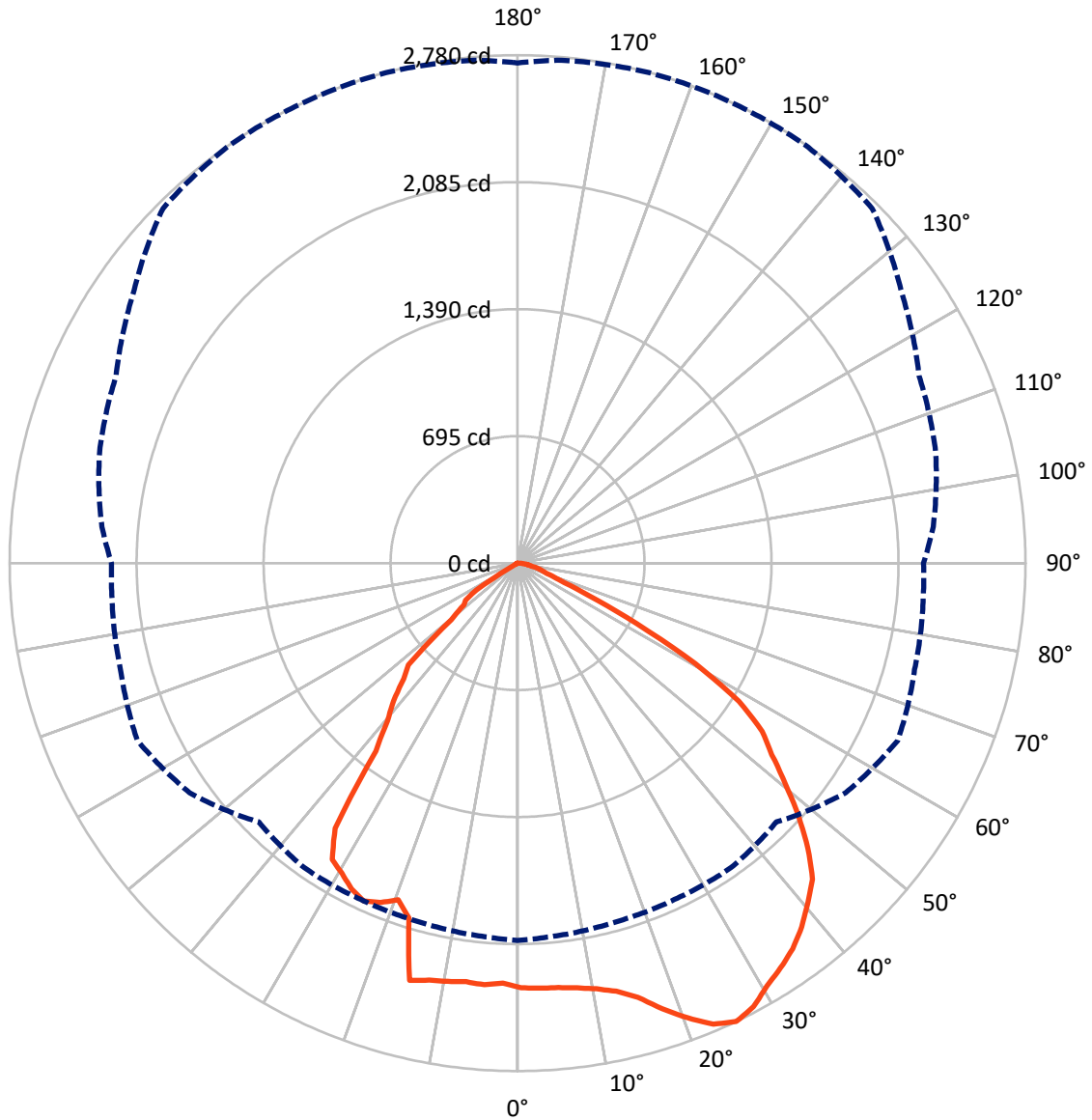
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 155-Deg Lateral      - - - Horizontal Cone Through 25-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3334.4	0.0	3334.4
	% Fixture	61.9	0.0	61.9
<b>Street Side</b>	Lumens	2051.4	0.0	2051.4
	% Fixture	38.1	0.0	38.1
<b>Total</b>	Lumens	5385.8	0.0	5385.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.9	4.1
10°-20°	680.8	12.6
20°-30°	1076.2	20.0
30°-40°	1215.7	22.6
40°-50°	1138.5	21.1
50°-60°	784.9	14.6
60°-70°	210.9	3.9
70°-80°	43.9	0.8
80°-90°	11.9	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°	5385.8	100.0
0°-180°	5385.8	100.0



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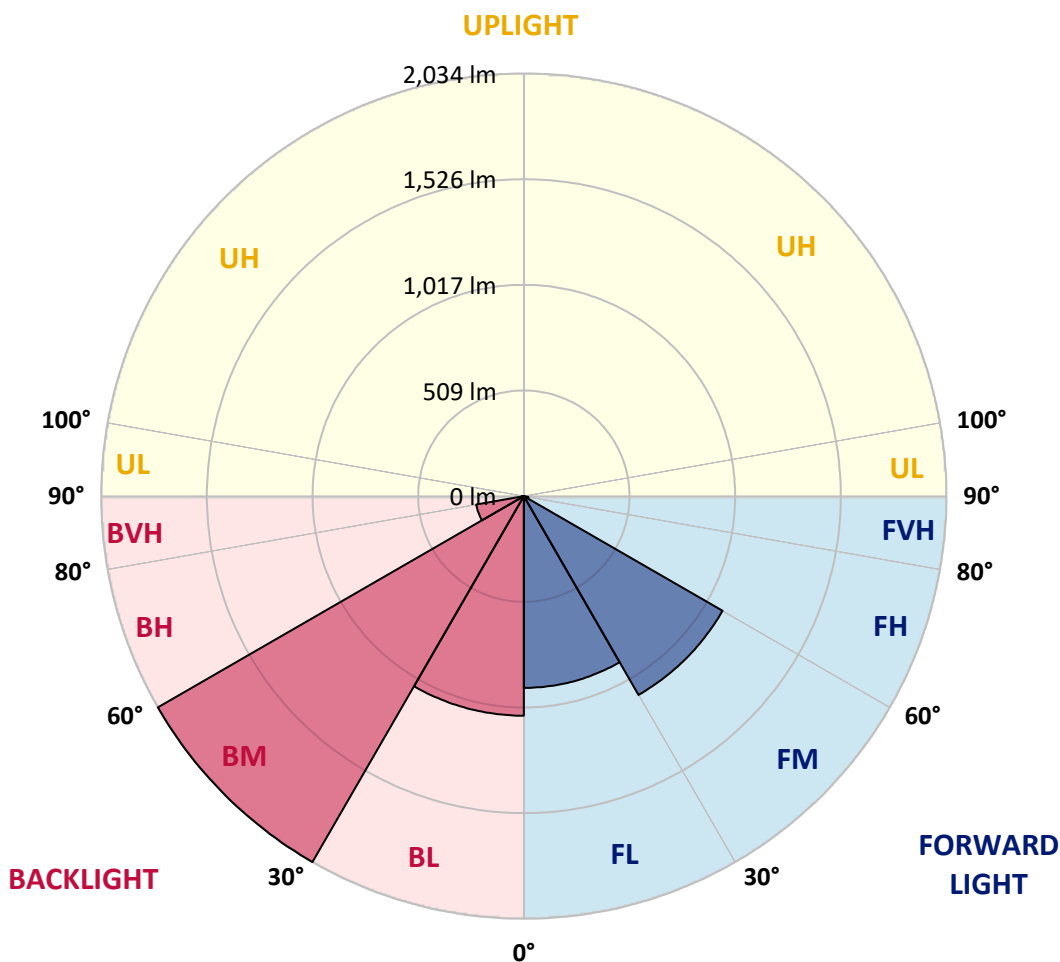
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	923.0	17.1			
FM (30°-60°)	1104.7	20.5			
FH (60°-80°)	22.1	0.4			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	1057.0	19.6	B3/2500		
BM (30°-60°)	2034.4	37.8	B2/2500		
BH (60°-80°)	232.7	4.3	B1/500		G1/500
BVH (80°-90°)	10.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9
2.5°	2334.2	2319.1	2304.9	2300.1	2319.9	2341.3	2327.8	2328.6	2323.9	2332.6
5°	2351.6	2331.0	2321.5	2314.4	2317.5	2339.7	2320.7	2327.8	2319.9	2330.2
7.5°	2345.2	2331.0	2321.5	2308.0	2318.3	2344.5	2326.3	2327.0	2323.1	2332.6
10°	2341.3	2331.0	2319.1	2320.7	2332.6	2354.7	2340.5	2348.4	2342.9	2348.4
12.5°	2350.8	2339.7	2333.4	2333.4	2343.7	2369.0	2361.9	2369.0	2366.6	2371.4
15°	2261.3	2271.6	2331.8	2358.7	2379.3	2404.6	2401.4	2408.6	2410.2	2417.3
17.5°	1907.5	1897.3	1892.5	2031.0	2399.1	2477.4	2475.1	2474.3	2466.3	2460.8
20°	1954.2	1950.3	1944.7	1955.0	1996.2	2515.4	2531.3	2433.9	2405.4	2403.0
22.5°	2028.6	2022.3	2001.7	2002.5	2015.2	2186.9	2452.9	2364.2	2354.7	2349.2
25°	2065.1	2052.4	2035.8	2031.0	2035.0	2003.3	2190.9	2296.2	2249.5	2228.1
27.5°	2000.9	2001.7	1988.3	2000.9	1985.9	1843.4	1763.5	2163.2	2161.6	2152.1
30°	1952.7	1950.3	1934.5	1950.3	1846.6	1687.5	1653.5	2017.6	2000.9	1988.3
32.5°	1804.6	1806.2	1852.1	1913.9	1743.7	1617.8	1515.0	1802.3	1959.8	1952.7
35°	1291.0	1294.1	1457.2	1761.9	1587.8	1479.3	1471.4	1557.7	1894.9	1898.0
37.5°	1242.7	1242.7	1238.7	1288.6	1465.1	1423.1	1439.0	1430.3	1735.8	1743.7
40°	1207.8	1200.7	1195.2	1116.8	1018.7	1383.6	1394.6	1355.1	1640.8	1642.4
42.5°	1165.9	1158.0	1159.6	1014.7	911.8	1285.4	1254.5	1201.5	1482.5	1484.1
45°	1089.1	1102.6	1112.1	888.1	880.2	918.2	1157.2	1123.9	1375.6	1404.9
47.5°	554.1	565.9	868.3	816.8	835.0	816.0	977.5	978.3	1144.5	1241.9
50°	502.6	499.4	500.2	476.5	770.9	660.1	706.8	896.8	916.6	1055.9
52.5°	468.6	467.8	419.5	372.8	484.4	581.0	512.9	649.0	681.5	894.4
55°	346.7	372.0	330.9	350.6	303.1	465.4	463.0	585.7	596.8	717.1
57.5°	3.2	4.0	9.5	266.7	209.8	232.7	319.8	399.7	419.5	558.8
60°	0.8	1.6	4.0	7.9	136.1	143.3	213.7	231.1	260.4	333.2
62.5°	0.0	0.0	1.6	4.0	7.1	58.6	68.1	74.4	114.8	170.2
65°	0.0	0.0	0.8	2.4	4.0	9.5	16.6	34.8	49.9	61.7
67.5°	0.0	0.0	0.8	1.6	3.2	4.7	9.5	13.5	21.4	36.4
70°	0.0	0.0	0.8	1.6	2.4	4.0	6.3	9.5	12.7	18.2
72.5°	0.0	0.0	0.8	1.6	1.6	4.7	4.7	7.1	9.5	11.9
75°	0.0	0.0	0.8	0.8	1.6	3.2	4.7	5.5	6.3	9.5
77.5°	0.0	0.0	0.8	1.6	2.4	3.2	4.0	6.3	5.5	5.5
80°	0.0	0.0	0.8	2.4	2.4	4.0	4.7	6.3	4.0	4.0
82.5°	0.0	0.0	0.8	3.2	2.4	7.9	7.9	8.7	3.2	3.2
85°	0.0	0.0	2.4	1.6	4.7	7.9	7.1	4.7	4.0	2.4
87.5°	0.0	0.0	0.8	0.8	1.6	2.4	5.5	4.7	1.6	1.6
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°
2323.9	0°	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9	2323.9
2309.6	2.5°	2341.3	2331.0	2352.4	2350.0	2339.7	2335.0	2329.4	2324.7	2289.8
2311.2	5°	2342.1	2326.3	2352.4	2347.6	2346.0	2338.1	2333.4	2340.5	2308.8
2317.5	7.5°	2342.1	2326.3	2354.7	2356.3	2354.0	2347.6	2346.8	2351.6	2325.5
2328.6	10°	2357.9	2351.6	2375.3	2377.7	2374.5	2373.0	2369.0	2365.8	2338.1
2366.6	12.5°	2391.2	2378.5	2405.4	2412.5	2410.2	2414.1	2404.6	2409.4	2380.9
2405.4	15°	2431.5	2432.3	2452.9	2468.7	2467.1	2479.8	2465.6	2478.2	2457.6
2449.7	17.5°	2493.3	2502.0	2531.3	2555.0	2563.7	2573.2	2563.7	2567.7	2538.4
2400.7	20°	2428.4	2460.8	2601.7	2645.2	2663.4	2672.1	2656.3	2661.1	2631.8
2340.5	22.5°	2369.8	2411.7	2536.8	2672.9	2729.1	2746.5	2741.0	2740.2	2729.1
2221.8	25°	2283.5	2368.2	2424.4	2568.5	2745.0	2776.6	2779.8	2779.0	2762.4
2149.0	27.5°	2177.4	2196.4	2342.1	2429.9	2634.1	2754.5	2749.7	2726.8	2704.6
1997.8	30°	2042.1	2128.4	2194.1	2334.2	2490.9	2686.4	2686.4	2669.0	2646.0
1944.0	32.5°	1973.2	2084.8	2145.8	2196.4	2330.2	2610.4	2642.1	2623.9	2605.7
1902.0	35°	1936.8	1953.4	2095.9	2141.8	2255.0	2464.0	2592.2	2574.0	2560.5
1790.4	37.5°	1856.9	1895.7	1962.2	2084.8	2119.7	2344.5	2525.7	2516.2	2500.4
1645.6	40°	1678.8	1782.5	1884.6	2000.9	2037.4	2190.9	2445.0	2448.9	2427.6
1491.2	42.5°	1573.5	1644.0	1803.9	1882.2	1980.4	2092.0	2366.6	2373.0	2357.9
1412.8	45°	1450.0	1528.4	1640.8	1783.3	1917.0	1955.8	2228.1	2294.6	2281.9
1256.9	47.5°	1336.9	1400.2	1537.9	1682.0	1830.0	1824.4	2069.0	2194.1	2176.7
1137.4	50°	1176.2	1287.0	1351.9	1484.1	1704.9	1720.0	1899.6	2076.1	2061.9
966.4	52.5°	991.8	1131.1	1255.3	1376.4	1578.3	1613.9	1742.1	1955.8	1946.3
738.5	55°	866.7	968.0	1108.1	1205.5	1424.7	1519.7	1624.2	1841.1	1836.3
607.1	57.5°	616.6	812.1	927.7	1063.8	1179.4	1351.1	1428.7	1607.6	1563.2
336.4	60°	417.9	509.7	650.6	797.1	874.6	1046.4	1118.4	1261.7	1249.8
201.0	62.5°	220.8	305.5	406.0	479.7	535.9	702.9	732.9	887.3	883.3
80.7	65°	97.4	129.0	220.0	258.0	315.8	393.4	419.5	474.9	461.5
39.6	67.5°	50.7	76.8	124.3	152.8	192.3	221.6	243.0	260.4	271.5
26.1	70°	30.9	56.2	76.8	106.1	132.2	155.9	172.5	196.3	210.5
13.5	72.5°	23.0	35.6	53.0	81.5	95.8	123.5	140.1	157.5	170.2
11.1	75°	12.7	23.7	42.7	64.1	76.8	100.5	115.6	127.4	131.4
6.3	77.5°	7.9	18.2	35.6	49.9	60.2	81.5	77.6	88.6	98.1
4.7	80°	5.5	13.5	27.7	41.2	42.0	52.2	61.7	71.2	77.6
3.2	82.5°	4.0	11.1	20.6	31.7	27.7	40.4	48.3	55.4	40.4
2.4	85°	3.2	7.9	10.3	19.0	15.8	28.5	24.5	23.7	15.8
1.6	87.5°	2.4	4.0	7.1	8.7	6.3	6.3	7.9	9.5	7.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





180°  
2323.9  
2266.1  
2281.9  
2295.4  
2315.2  
2355.5  
2423.6  
2513.0  
2611.2  
2693.5  
*2737.0*  
2687.2  
2637.3  
2590.6  
2541.5  
2484.6  
2422.8  
2356.3  
2283.5  
2189.3  
2064.3  
1952.7  
1841.8  
1558.5  
1250.6  
884.1  
455.9  
271.5  
211.3  
172.5  
129.0  
99.7  
78.4  
29.3  
15.8  
7.9  
0.0

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