

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: P847927

Luminaire Tested: **GLAN-SB4B-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847927  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17097 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

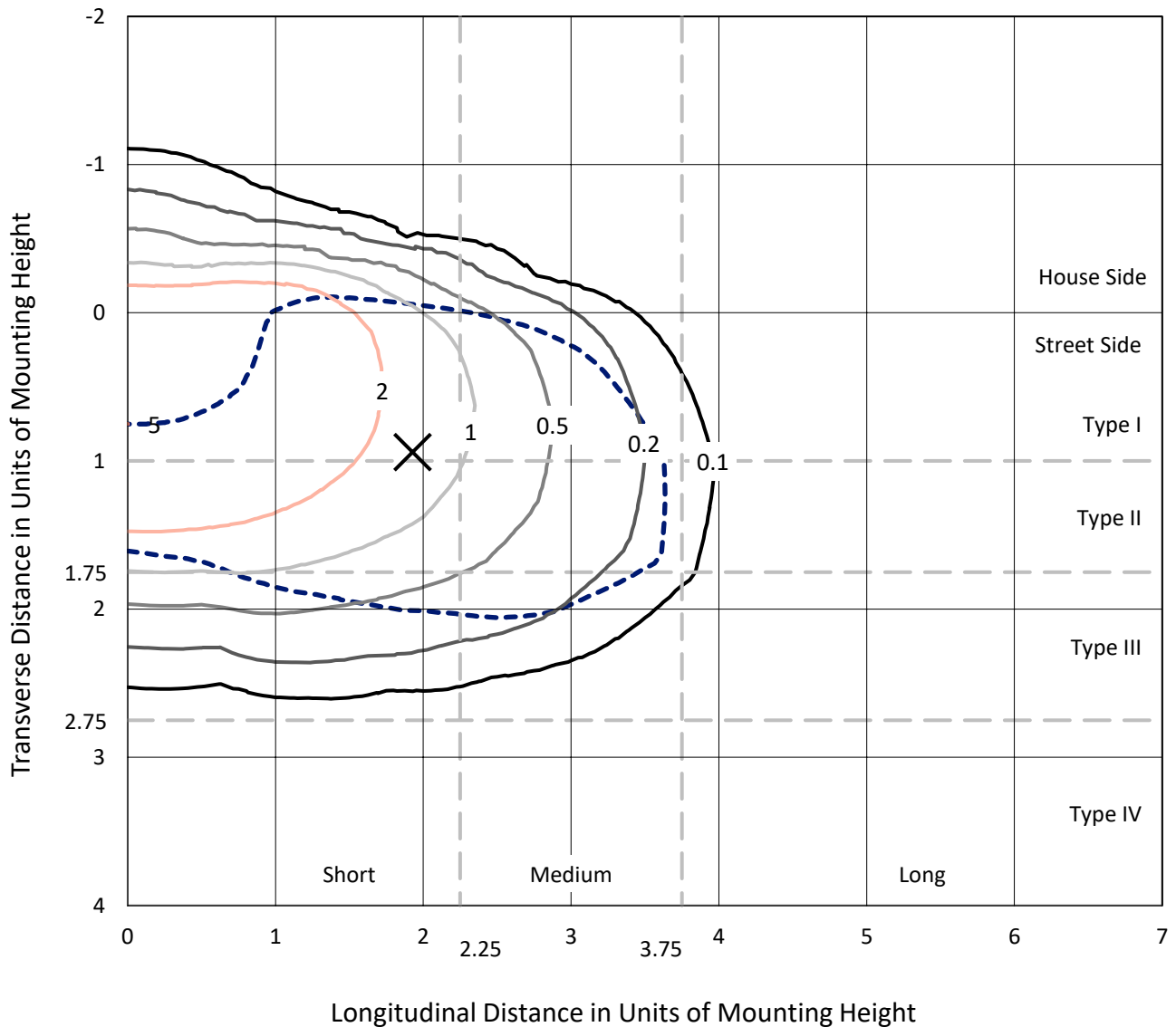
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

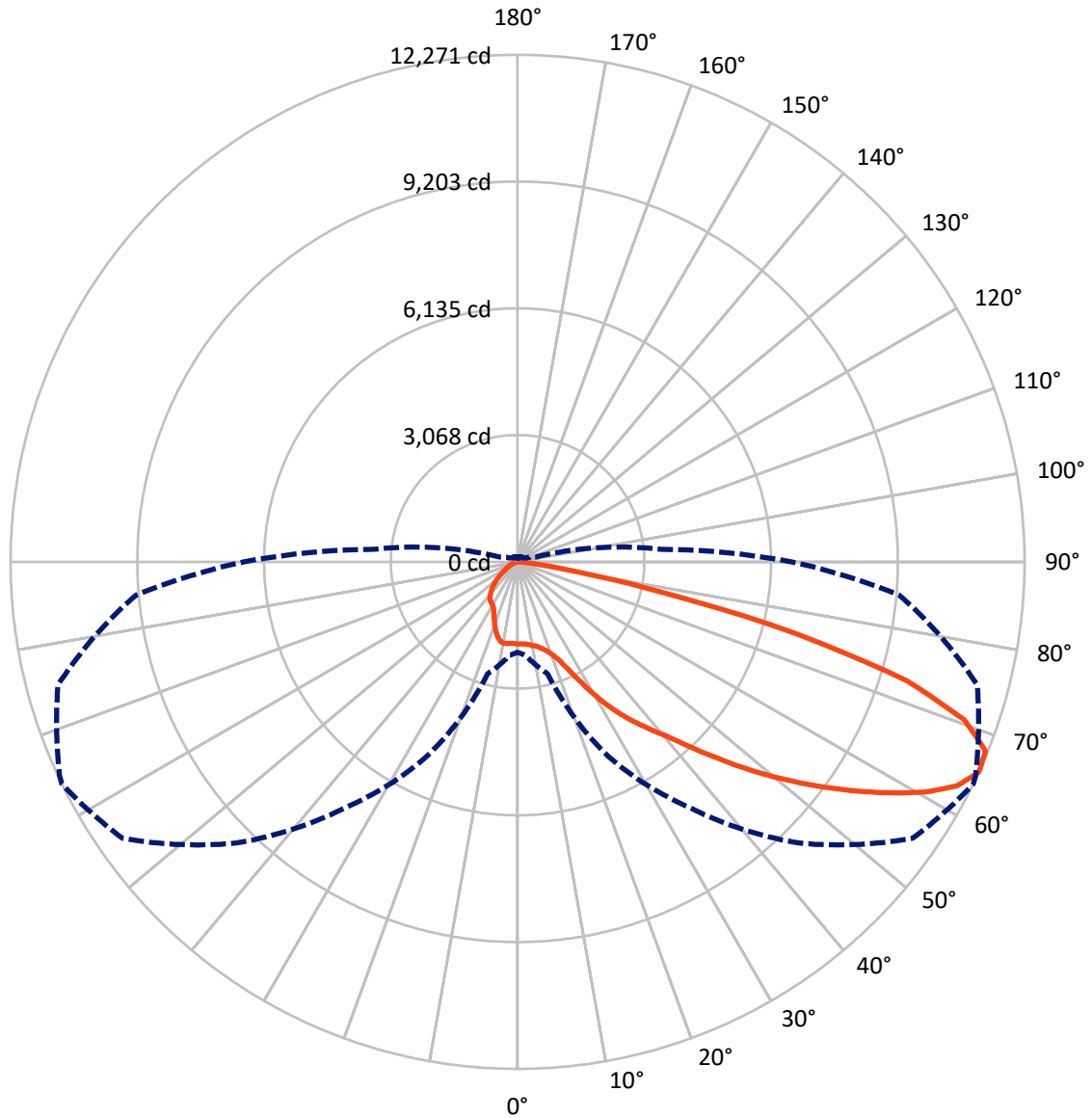
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2286.4	0.0	2286.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	14810.6	0.0	14810.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	17097.0	0.0	17097.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.5	1.1
10°-20°	497.6	2.9
20°-30°	942.9	5.5
30°-40°	1908.0	11.2
40°-50°	3250.4	19.0
50°-60°	4420.2	25.9
60°-70°	4150.8	24.3
70°-80°	1663.0	9.7
80°-90°	80.6	0.5
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°	17097.0	100.0
0°-180°	17097.0	100.0

**Coefficient of Utilization**



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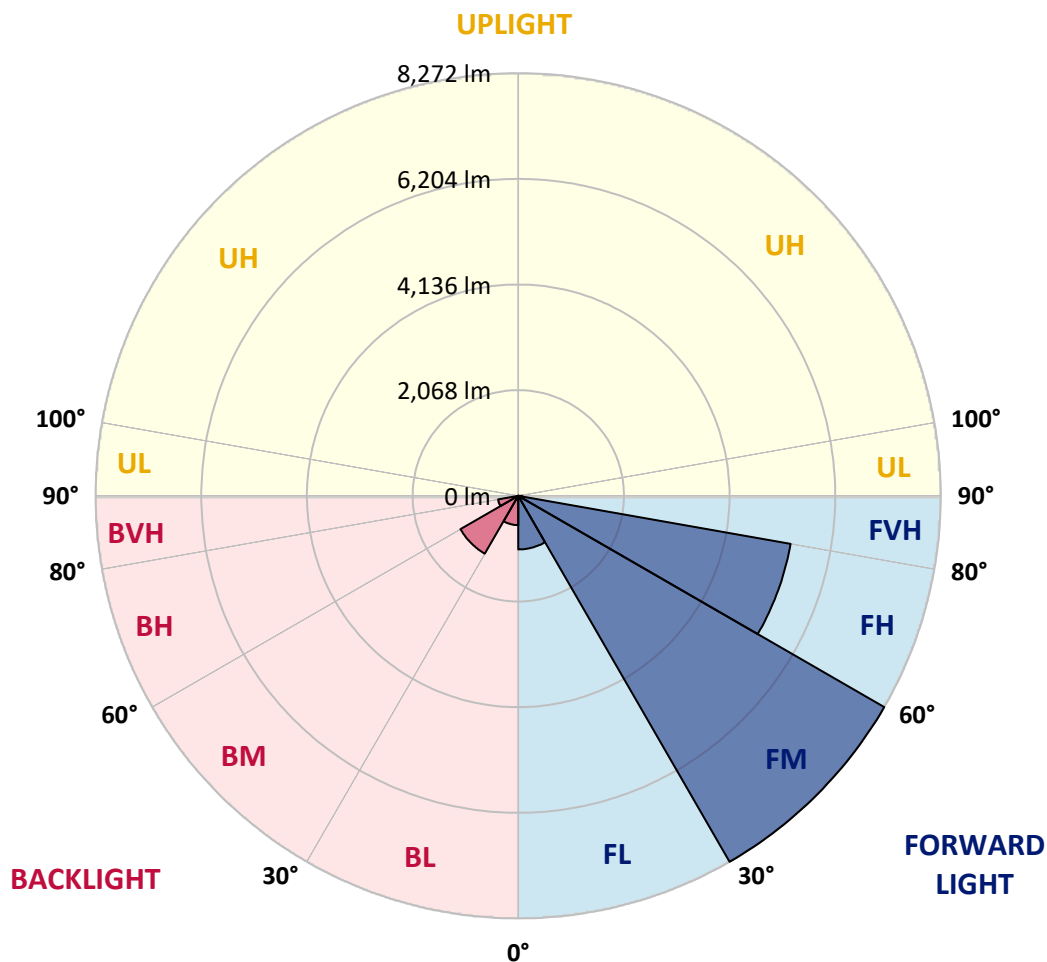
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1050.0	6.1			
FM (30°-60°)	8271.5	48.4			
FH (60°-80°)	5412.5	31.7			G3/7500
FVH (80°-90°)	76.6	0.4			G1/100
BL (0°-30°)	574.0	3.4	B2/1000		
BM (30°-60°)	1307.1	7.6	B2/2500		
BH (60°-80°)	401.3	2.3	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6
2.5°	1981.7	1995.4	1992.0	1988.6	1987.4	1989.7	1990.9	1989.7	1989.7	1989.7
5°	1943.9	1955.3	1955.3	1963.3	1974.8	1988.6	1998.9	2001.2	2003.5	2006.9
7.5°	1871.7	1880.8	1887.7	1914.1	1942.7	1979.4	2010.3	2026.4	2028.7	2041.3
10°	1822.4	1833.8	1845.3	1872.8	1914.1	1969.1	2021.8	2060.8	2066.5	2096.3
12.5°	1820.1	1831.5	1846.4	1876.2	1924.4	1982.8	2047.0	2103.2	2113.5	2157.0
15°	1844.1	1857.9	1871.7	1908.3	1959.9	2031.0	2099.7	2169.6	2180.0	2241.9
17.5°	1893.4	1911.8	1922.1	1958.8	2013.8	2092.9	2183.4	2263.6	2272.8	2345.0
20°	1990.9	2012.6	2016.1	2045.9	2099.7	2184.5	2292.3	2392.0	2403.5	2486.0
22.5°	2192.6	2223.5	2196.0	2210.9	2259.0	2343.9	2460.8	2586.8	2602.9	2696.9
25°	2547.9	2591.4	2520.4	2495.2	2515.8	2604.0	2750.7	2910.1	2928.4	3004.0
27.5°	3245.9	3189.7	3082.0	2976.5	2914.6	2965.1	3130.1	3327.3	3350.2	3423.5
30°	4012.6	3963.4	3817.8	3584.0	3437.3	3429.3	3581.7	3801.8	3828.1	3898.0
32.5°	4780.6	4733.6	4575.4	4287.7	4033.3	3907.2	4012.6	4256.8	4270.5	4315.2
35°	5535.9	5487.7	5329.6	5035.0	4722.1	4435.6	4414.9	4690.0	4694.6	4741.6
37.5°	6295.8	6255.7	6087.2	5798.3	5490.0	5094.6	4903.2	5100.3	5106.1	5151.9
40°	6837.9	6855.1	6739.3	6515.8	6251.1	5819.0	5451.1	5537.0	5502.6	5579.4
42.5°	7303.2	7337.6	7236.7	7124.4	6970.8	6590.3	6129.6	6114.7	6059.7	6100.9
45°	7705.5	7734.2	7643.6	7617.3	7613.8	7346.8	6871.1	6781.7	6704.9	6696.9
47.5°	7853.4	7908.4	7947.4	8035.6	8207.5	8095.2	7637.9	7499.2	7413.3	7350.2
50°	7909.5	7968.0	8100.9	8357.7	8764.6	8812.7	8401.2	8245.4	8139.9	8025.3
52.5°	7833.9	7938.2	8117.0	8549.1	9139.3	9388.1	9133.6	8997.2	8876.9	8690.1
55°	7388.0	7492.3	7858.0	8546.8	9326.2	9791.5	9825.9	9765.1	9629.9	9335.3
57.5°	6448.2	6602.9	7181.7	8255.7	9322.7	10138.8	10504.4	10548.0	10396.7	9974.9
60°	5146.2	5355.9	6062.0	7610.4	9035.0	10326.8	11099.3	11317.0	11156.6	10605.3
62.5°	3590.9	3833.8	4502.1	6599.5	8377.2	10191.5	11533.6	11935.9	11814.4	11169.2
65°	2190.3	2268.2	2806.9	5193.2	7258.5	9625.3	11667.7	12270.6	12230.5	11514.2
67.5°	1459.0	1524.4	1679.1	3561.1	5634.4	8494.1	11346.8	12212.2	12223.6	11458.0
70°	879.1	935.3	1036.1	2071.1	3651.6	6723.3	10353.1	11467.2	11533.6	10707.3
72.5°	362.2	400.0	491.7	938.7	1891.1	4267.1	8244.2	9845.4	10000.1	9003.0
75°	205.2	224.6	288.8	471.1	820.6	1988.6	4993.7	6989.2	7217.3	6205.2
77.5°	136.4	145.6	186.8	304.9	461.9	678.5	2134.1	3641.3	4076.8	3389.1
80°	91.7	99.7	128.4	204.0	300.3	291.1	679.7	1349.0	1659.6	1164.5
82.5°	61.9	63.0	91.7	134.1	190.3	141.0	200.6	419.5	527.2	337.0
85°	35.5	34.4	67.6	77.9	84.8	58.5	60.7	126.1	165.0	142.1
87.5°	4.6	6.9	26.4	20.6	11.5	12.6	12.6	21.8	32.1	34.4
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°
1988.6	0°	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6	1988.6
1990.9	2.5°	1990.9	1989.7	1986.3	1982.8	1974.8	1970.2	1972.5	1970.2	1969.1
2005.8	5°	2005.8	2002.3	1993.1	1981.7	1965.6	1946.2	1933.5	1915.2	1898.0
2045.9	7.5°	2045.9	2042.4	2029.8	1997.7	1946.2	1864.8	1790.3	1724.9	1675.7
2110.0	10°	2110.0	2104.3	2084.8	2013.8	1878.5	1700.9	1553.0	1430.4	1350.2
2185.7	12.5°	2185.7	2178.8	2144.4	1998.9	1750.2	1472.8	1268.8	1132.4	1057.9
2272.8	15°	2275.1	2265.9	2198.3	1927.8	1563.3	1220.6	1033.8	931.8	883.7
2384.0	17.5°	2386.3	2370.2	2238.4	1821.2	1360.5	1028.1	889.4	812.6	770.2
2529.5	20°	2530.7	2504.3	2270.5	1694.0	1173.7	906.6	792.0	727.8	695.7
2735.8	22.5°	2732.4	2694.6	2309.5	1556.5	1041.8	822.9	719.8	672.8	646.4
3023.5	25°	2982.3	2937.6	2357.6	1429.2	951.3	750.7	667.1	628.1	597.1
3400.6	27.5°	3331.8	3251.6	2414.9	1324.9	873.4	688.8	618.9	575.4	539.8
3828.1	30°	3721.5	3589.7	2465.4	1261.9	802.3	631.5	555.9	512.3	479.1
4212.1	32.5°	4090.6	3911.8	2498.6	1234.4	738.1	566.2	487.1	440.1	414.9
4588.0	35°	4439.0	4202.9	2495.2	1208.0	680.8	500.9	419.5	371.4	351.9
4992.6	37.5°	4840.2	4513.5	2471.1	1166.8	633.8	441.3	361.0	318.6	301.4
5484.3	40°	5306.6	4872.3	2456.2	1088.8	582.2	386.3	312.9	278.5	265.9
6002.4	42.5°	5804.1	5219.5	2458.5	1000.6	518.1	337.0	279.7	251.0	239.5
6578.9	45°	6303.8	5550.8	2461.9	908.9	450.4	299.1	255.6	231.5	224.6
7163.4	47.5°	6773.7	5832.7	2397.7	810.3	384.0	270.5	236.1	220.1	214.3
7750.2	50°	7211.5	6020.7	2243.0	695.7	331.2	247.6	221.2	209.7	204.0
8282.0	52.5°	7551.9	6050.5	1987.4	577.7	294.6	230.4	212.0	201.7	194.8
8711.8	55°	7703.2	5863.7	1624.1	467.6	265.9	215.5	202.9	192.6	184.5
9049.9	57.5°	7664.3	5470.5	1266.5	375.9	238.4	200.6	191.4	184.5	175.4
9323.9	60°	7472.9	4944.5	954.7	312.9	213.2	184.5	178.8	173.1	160.5
9429.3	62.5°	7141.6	4283.1	680.8	259.0	185.7	166.2	163.9	159.3	141.0
9273.4	65°	6635.0	3479.7	458.5	215.5	159.3	145.6	146.7	138.7	114.6
8702.7	67.5°	5894.6	2544.4	293.4	176.5	133.0	121.5	122.6	118.1	97.4
7620.7	70°	4951.3	1684.8	191.4	134.1	106.6	94.0	100.9	102.0	82.5
5848.8	72.5°	3629.8	994.9	134.1	99.7	77.9	65.3	82.5	84.8	66.5
3518.7	75°	2068.8	472.2	100.9	72.2	48.1	45.8	64.2	64.2	45.8
1523.2	77.5°	868.8	197.1	71.1	47.0	27.5	26.4	43.6	40.1	22.9
371.4	80°	251.0	88.3	37.8	22.9	11.5	10.3	17.2	12.6	5.7
141.0	82.5°	98.6	39.0	14.9	9.2	4.6	4.6	2.3	0.0	0.0
80.2	85°	58.5	16.0	6.9	3.4	1.1	0.0	0.0	0.0	0.0
17.2	87.5°	14.9	3.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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<u>180°</u>
1988.6
1974.8
1890.0
1648.2
1308.9
1021.2
855.0
739.3
665.9
613.2
560.5
506.6
456.2
412.6
355.3
307.2
260.2
235.0
220.1
208.6
198.3
188.0
177.7
165.0
144.4
113.5
83.7
69.9
57.3
42.4
27.5
13.8
2.3
0.0
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