

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: P846917

Luminaire Tested: **GLAN-SB2D-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846917
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-SB2D-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 900mA 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: 15662 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

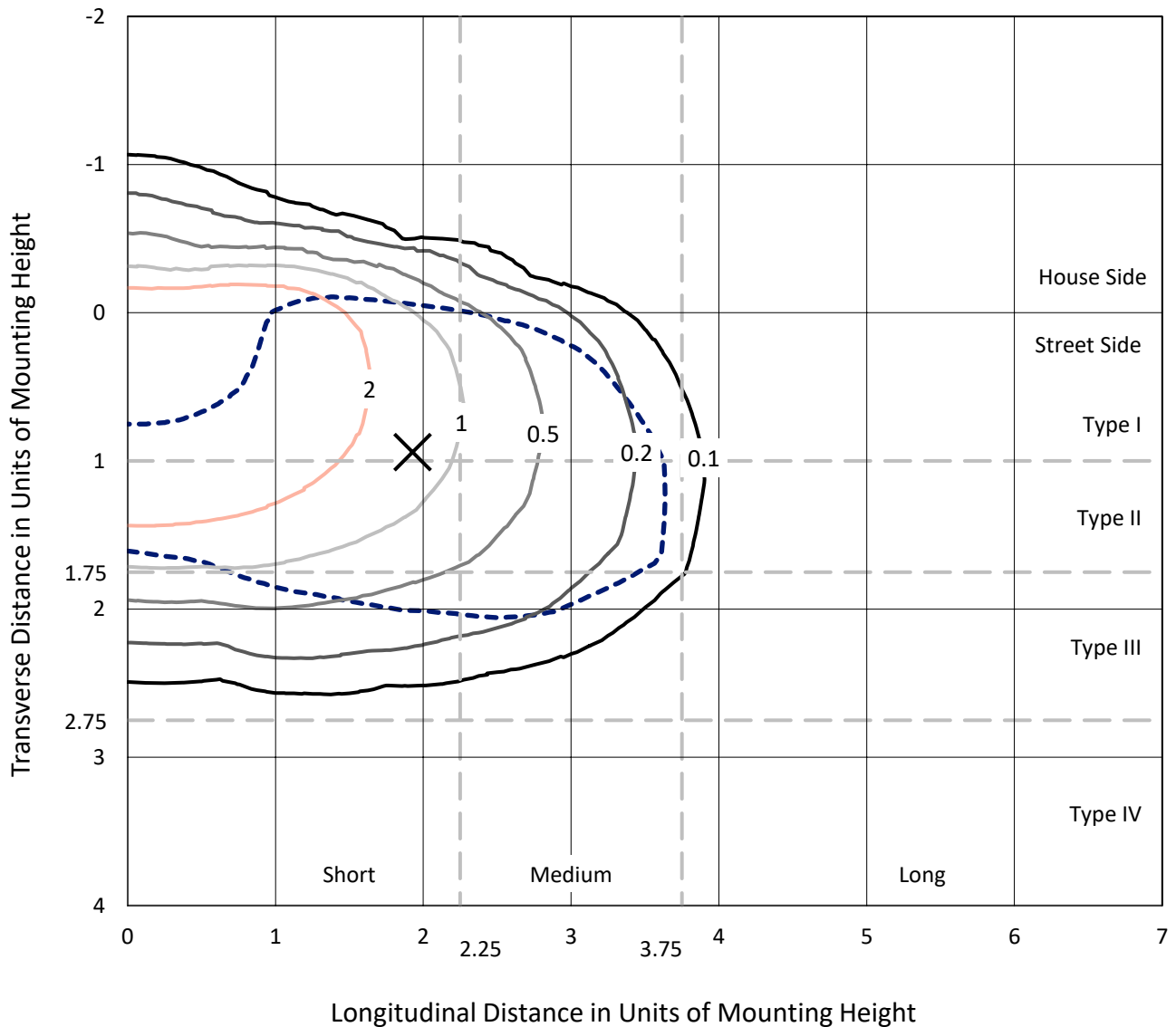
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

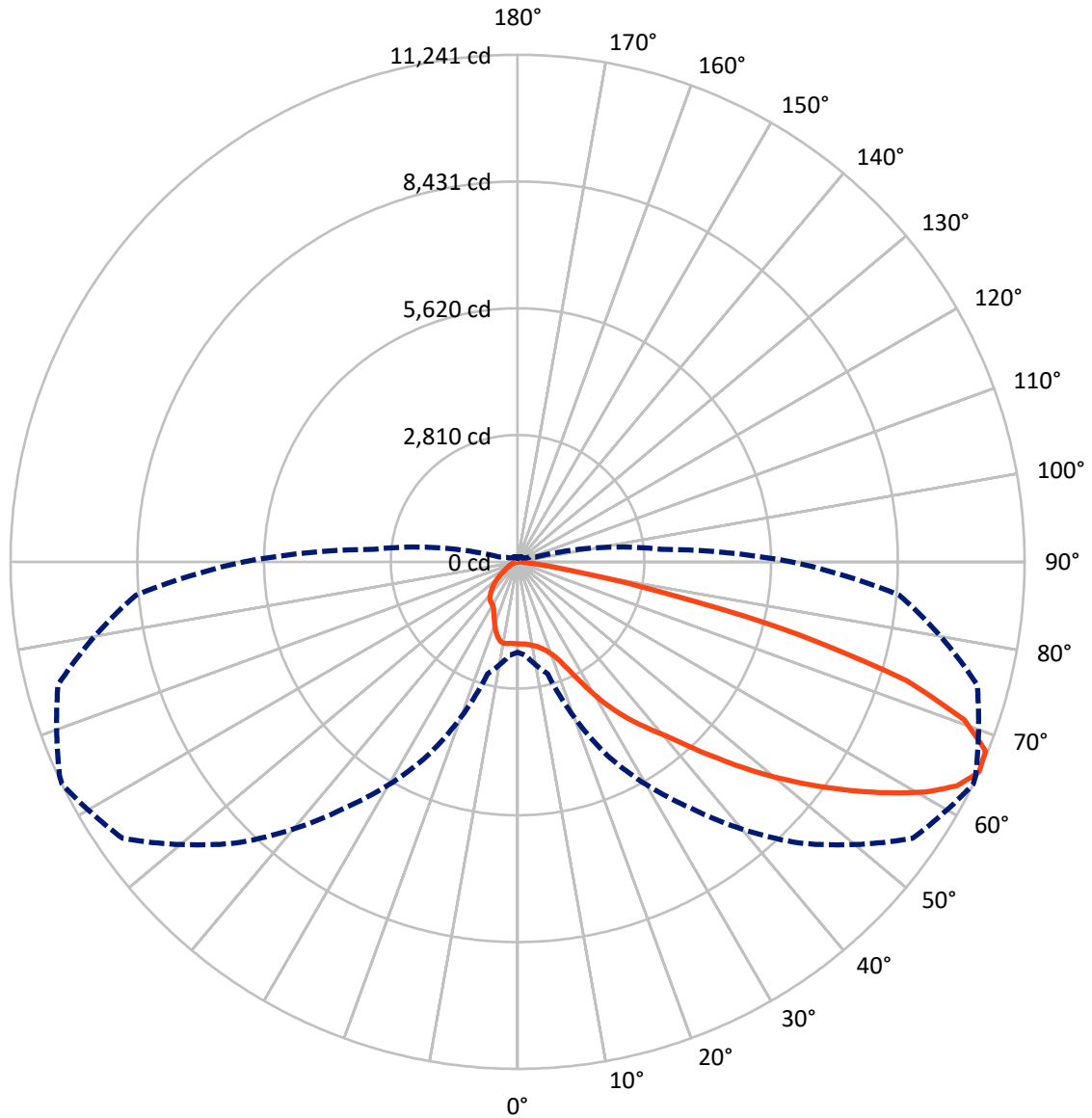
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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
House Side	Lumens	2094.5	0.0	2094.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13567.5	0.0	13567.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	15662.0	0.0	15662.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	1.1
10°-20°	455.8	2.9
20°-30°	863.8	5.5
30°-40°	1747.9	11.2
40°-50°	2977.5	19.0
50°-60°	4049.2	25.9
60°-70°	3802.4	24.3
70°-80°	1523.4	9.7
80°-90°	73.8	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°	15662.0	100.0
0°-180°	15662.0	100.0

Coefficient of Utilization



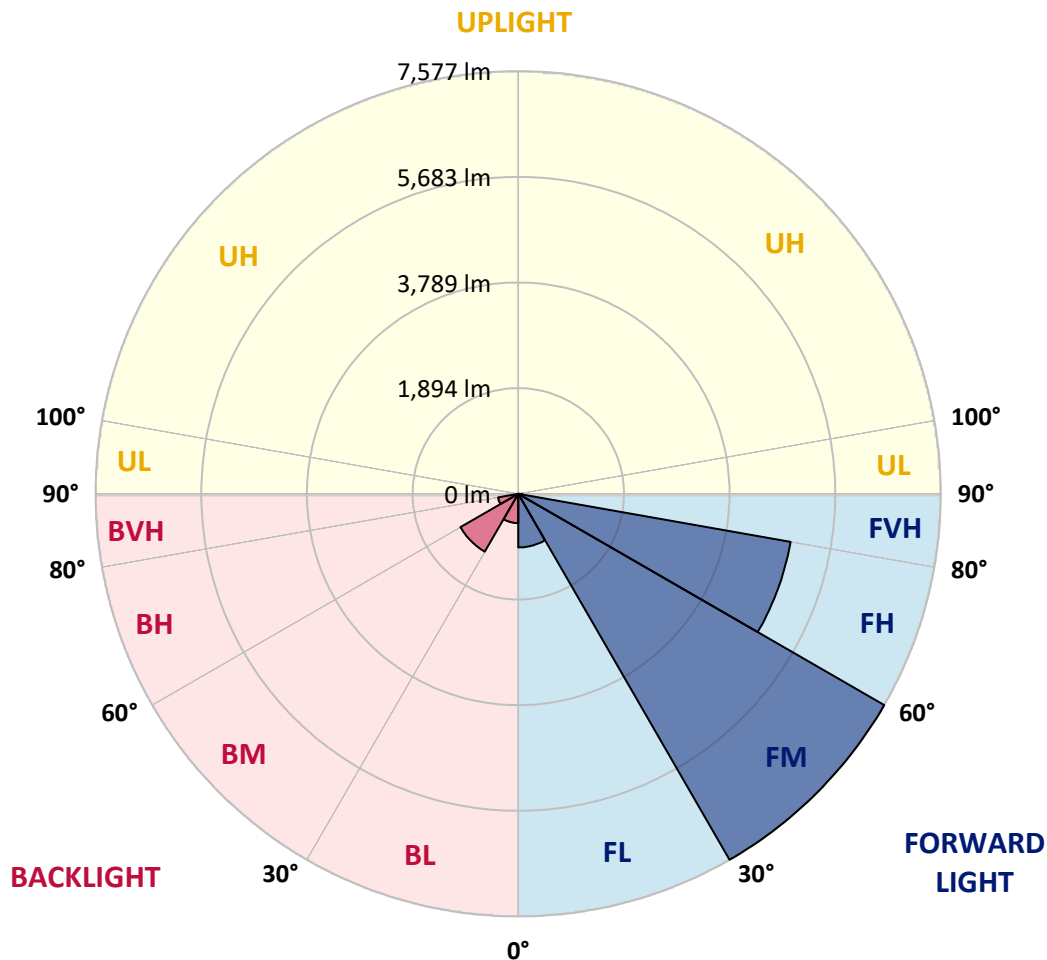
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	961.8	6.1			
FM (30°-60°)	7577.3	48.4			
FH (60°-80°)	4958.2	31.7			G2/5000
FVH (80°-90°)	70.2	0.4			G1/100
BL (0°-30°)	525.9	3.4	B2/1000		
BM (30°-60°)	1197.4	7.6	B2/2500		
BH (60°-80°)	367.6	2.3	B1/500		G1/500
BVH (80°-90°)	3.6	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-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7
2.5°	1815.4	1828.0	1824.8	1821.7	1820.6	1822.7	1823.8	1822.7	1822.7	1822.7
5°	1780.7	1791.2	1791.2	1798.6	1809.1	1821.7	1831.1	1833.2	1835.3	1838.5
7.5°	1714.6	1723.0	1729.3	1753.4	1779.7	1813.3	1841.6	1856.3	1858.4	1870.0
10°	1669.4	1679.9	1690.4	1715.6	1753.4	1803.8	1852.1	1887.8	1893.0	1920.3
12.5°	1667.3	1677.8	1691.5	1718.8	1762.9	1816.4	1875.2	1926.6	1936.1	1976.0
15°	1689.4	1702.0	1714.6	1748.2	1795.4	1860.5	1923.5	1987.5	1997.0	2053.7
17.5°	1734.5	1751.3	1760.8	1794.4	1844.8	1917.2	2000.1	2073.6	2082.0	2148.2
20°	1823.8	1843.7	1846.9	1874.2	1923.5	2001.2	2099.9	2191.2	2201.7	2277.3
22.5°	2008.5	2036.9	2011.7	2025.3	2069.4	2147.1	2254.2	2369.7	2384.4	2470.5
25°	2334.0	2373.9	2308.8	2285.7	2304.6	2385.5	2519.9	2665.8	2682.6	2751.9
27.5°	2973.4	2922.0	2823.3	2726.7	2670.0	2716.2	2867.4	3048.0	3069.0	3136.2
30°	3675.9	3630.7	3497.4	3283.2	3148.8	3141.4	3281.1	3482.7	3506.8	3570.9
32.5°	4379.3	4336.3	4191.4	3927.8	3694.8	3579.3	3675.9	3899.5	3912.1	3953.0
35°	5071.2	5027.1	4882.2	4612.4	4325.8	4063.3	4044.4	4296.4	4300.6	4343.6
37.5°	5767.3	5730.6	5576.3	5311.7	5029.2	4667.0	4491.7	4672.3	4677.5	4719.5
40°	6264.0	6279.7	6173.7	5968.9	5726.4	5330.6	4993.5	5072.3	5040.8	5111.1
42.5°	6690.2	6721.7	6629.3	6526.5	6385.8	6037.2	5615.1	5601.5	5551.1	5588.9
45°	7058.8	7085.0	7002.1	6977.9	6974.8	6730.1	6294.4	6212.5	6142.2	6134.8
47.5°	7194.2	7244.6	7280.3	7361.2	7518.7	7415.8	6996.8	6869.8	6791.0	6733.3
50°	7245.7	7299.2	7421.0	7656.2	8028.9	8073.0	7696.1	7553.3	7456.7	7351.7
52.5°	7176.4	7271.9	7435.7	7831.5	8372.3	8600.1	8367.0	8242.1	8131.8	7960.7
55°	6767.9	6863.5	7198.4	7829.4	8543.4	8969.7	9001.2	8945.5	8821.6	8551.8
57.5°	5907.0	6048.7	6579.0	7562.7	8540.2	9287.8	9622.7	9662.6	9524.0	9137.7
60°	4714.2	4906.4	5553.2	6971.6	8276.7	9460.0	10167.7	10367.1	10220.2	9715.1
62.5°	3289.5	3512.1	4124.2	6045.6	7674.0	9336.1	10565.6	10934.1	10822.8	10231.7
65°	2006.4	2077.8	2571.3	4757.3	6649.3	8817.4	10688.4	11240.7	11204.0	10547.7
67.5°	1336.6	1396.4	1538.2	3262.2	5161.5	7781.1	10394.4	11187.2	11197.7	10496.3
70°	805.3	856.8	949.1	1897.2	3345.1	6159.0	9484.1	10504.7	10565.6	9808.6
72.5°	331.8	366.4	450.4	859.9	1732.4	3908.9	7552.2	9019.0	9160.8	8247.3
75°	187.9	205.8	264.6	431.5	751.8	1821.7	4574.6	6402.6	6611.5	5684.4
77.5°	124.9	133.3	171.1	279.3	423.1	621.6	1955.0	3335.7	3734.7	3104.7
80°	84.0	91.3	117.6	186.9	275.1	266.7	622.6	1235.8	1520.3	1066.7
82.5°	56.7	57.7	84.0	122.8	174.3	129.1	183.7	384.3	483.0	308.7
85°	32.5	31.5	61.9	71.4	77.7	53.5	55.6	115.5	151.2	130.2
87.5°	4.2	6.3	24.1	18.9	10.5	11.5	11.5	19.9	29.4	31.5
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°
1821.7	0°	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7	1821.7
1823.8	2.5°	1823.8	1822.7	1819.6	1816.4	1809.1	1804.9	1807.0	1804.9	1803.8	1804.9
1837.4	5°	1837.4	1834.3	1825.9	1815.4	1800.7	1782.8	1771.3	1754.5	1738.7	1729.3
1874.2	7.5°	1874.2	1871.0	1859.5	1830.1	1782.8	1708.3	1640.0	1580.2	1535.0	1508.8
1932.9	10°	1932.9	1927.7	1909.8	1844.8	1720.9	1558.1	1422.7	1310.3	1236.8	1202.2
2002.2	12.5°	2002.2	1995.9	1964.4	1831.1	1603.3	1349.2	1162.3	1037.3	969.1	938.7
2082.0	15°	2084.1	2075.7	2013.8	1766.0	1432.1	1118.2	947.0	853.6	809.5	782.2
2183.9	17.5°	2186.0	2171.3	2050.5	1668.4	1246.3	941.8	814.8	744.4	705.6	679.3
2317.2	20°	2318.3	2294.1	2079.9	1551.8	1075.1	830.5	725.5	666.7	637.3	614.2
2506.2	22.5°	2503.1	2468.4	2115.6	1425.8	954.4	753.9	659.4	616.3	592.2	565.9
2769.8	25°	2732.0	2691.0	2159.7	1309.3	871.5	687.7	611.1	575.4	547.0	516.6
3115.2	27.5°	3052.2	2978.7	2212.2	1213.7	800.1	631.0	567.0	527.1	494.5	469.3
3506.8	30°	3409.2	3288.4	2258.4	1156.0	735.0	578.5	509.2	469.3	438.9	421.0
3858.5	32.5°	3747.3	3583.5	2288.9	1130.8	676.2	518.7	446.2	403.2	380.1	374.8
4202.9	35°	4066.4	3850.1	2285.7	1106.6	623.7	458.8	384.3	340.2	322.3	325.5
4573.6	37.5°	4433.9	4134.7	2263.7	1068.8	580.6	404.2	330.7	291.9	276.1	277.2
5024.0	40°	4861.2	4463.3	2250.0	997.4	533.4	353.8	286.6	255.1	243.6	239.4
5498.6	42.5°	5316.9	4781.4	2252.1	916.6	474.6	308.7	256.2	229.9	219.4	216.3
6026.7	45°	5774.7	5084.9	2255.3	832.6	412.6	274.0	234.1	212.1	205.8	201.6
6562.2	47.5°	6205.2	5343.2	2196.5	742.3	351.7	247.8	216.3	201.6	196.3	191.1
7099.7	50°	6606.2	5515.4	2054.7	637.3	303.4	226.8	202.6	192.1	186.9	181.6
7586.9	52.5°	6918.1	5542.7	1820.6	529.2	269.8	211.0	194.2	184.8	178.5	173.2
7980.6	55°	7056.7	5371.5	1487.8	428.4	243.6	197.4	185.8	176.4	169.0	163.8
8290.4	57.5°	7021.0	5011.4	1160.2	344.4	218.4	183.7	175.3	169.0	160.6	152.2
8541.3	60°	6845.6	4529.5	874.6	286.6	195.3	169.0	163.8	158.5	147.0	134.4
8637.9	62.5°	6542.2	3923.6	623.7	237.3	170.1	152.2	150.1	145.9	129.1	106.0
8495.1	65°	6078.1	3187.6	420.0	197.4	145.9	133.3	134.4	127.0	105.0	78.7
7972.2	67.5°	5399.9	2330.9	268.8	161.7	121.8	111.3	112.3	108.1	89.2	67.2
6981.1	70°	4535.8	1543.4	175.3	122.8	97.6	86.1	92.4	93.4	75.6	54.6
5357.9	72.5°	3325.2	911.4	122.8	91.3	71.4	59.8	75.6	77.7	60.9	40.9
3223.3	75°	1895.1	432.6	92.4	66.1	44.1	42.0	58.8	58.8	42.0	27.3
1395.4	77.5°	795.9	180.6	65.1	43.0	25.2	24.1	39.9	36.7	21.0	12.6
340.2	80°	229.9	80.8	34.6	21.0	10.5	9.4	15.7	11.5	5.2	2.1
129.1	82.5°	90.3	35.7	13.6	8.4	4.2	4.2	2.1	0.0	0.0	0.0
73.5	85°	53.5	14.7	6.3	3.1	1.0	0.0	0.0	0.0	0.0	0.0
15.7	87.5°	13.6	3.1	2.1	0.0	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	0.0

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<u>180°</u>
1821.7
1809.1
1731.4
1509.8
1199.0
935.5
783.3
677.2
610.0
561.7
513.4
464.1
417.9
378.0
325.5
281.4
238.3
215.2
201.6
191.1
181.6
172.2
162.7
151.2
132.3
103.9
76.6
64.0
52.5
38.8
25.2
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