

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: P847507

Luminaire Tested: **GLAN-SB3C-850-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847507
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-SB3C-850-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 615mA 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: 15132 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

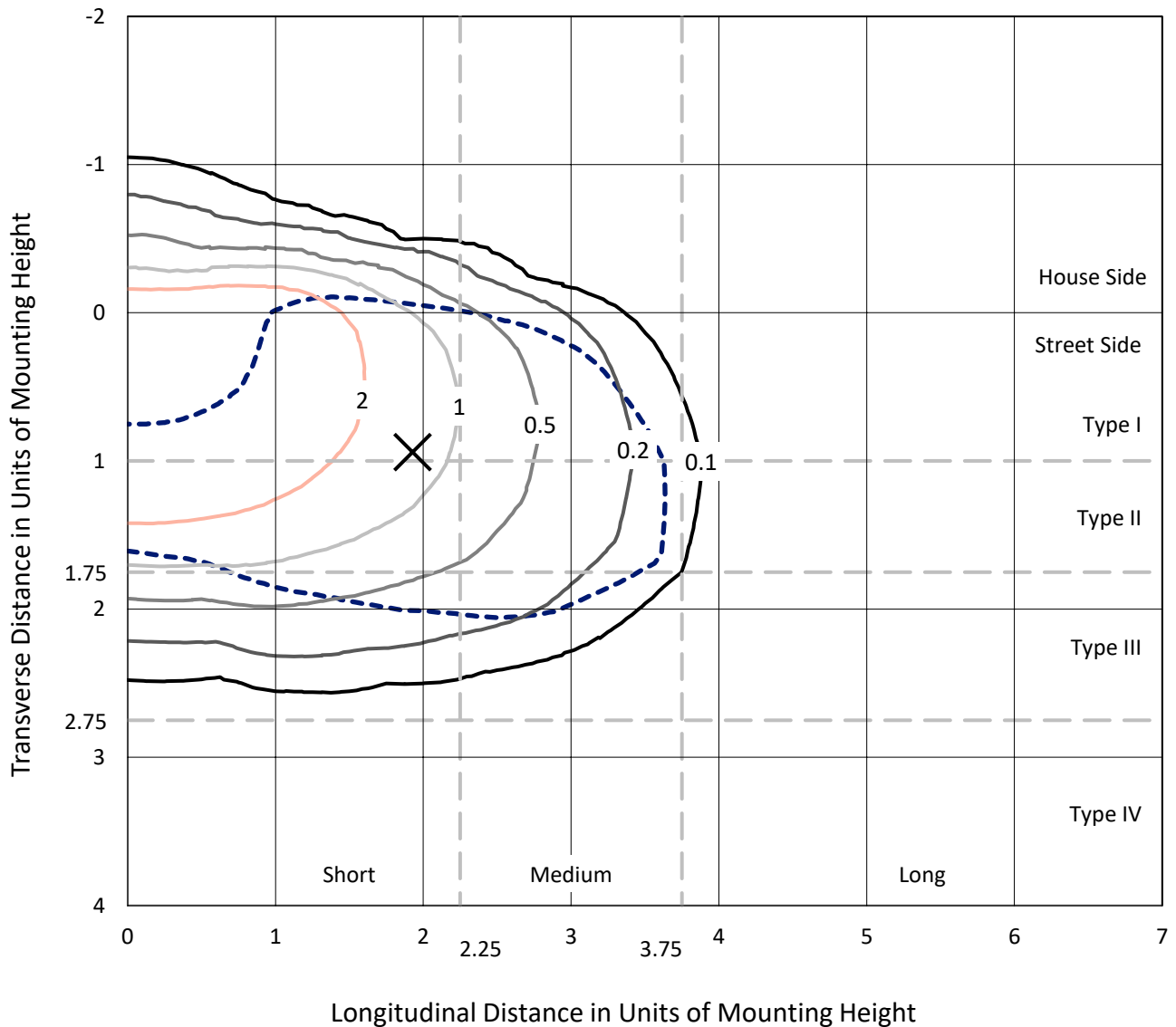
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

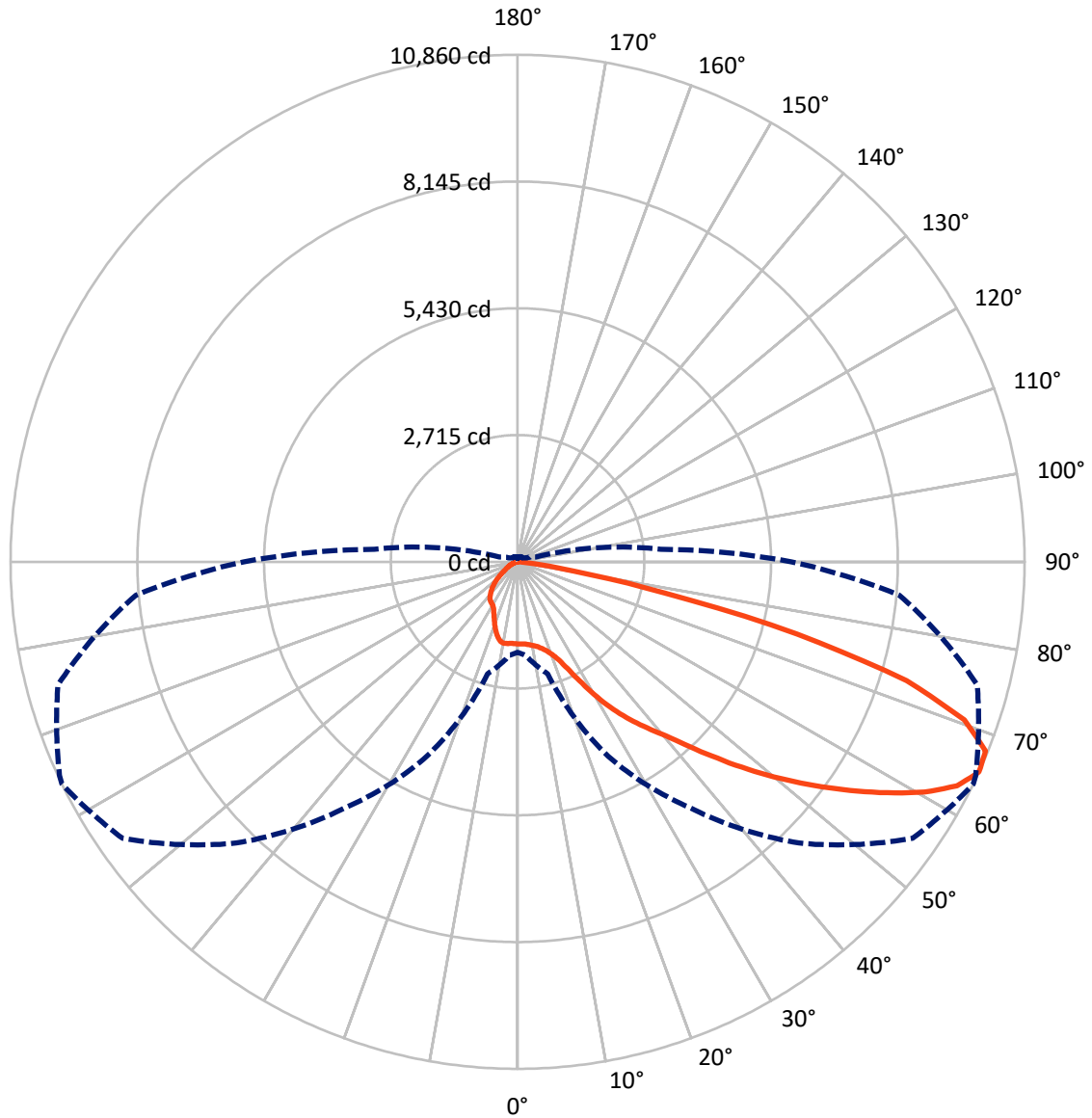
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	2023.6	0.0	2023.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13108.4	0.0	13108.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	15132.0	0.0	15132.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.4	1.1
10°-20°	440.4	2.9
20°-30°	834.5	5.5
30°-40°	1688.7	11.2
40°-50°	2876.8	19.0
50°-60°	3912.2	25.9
60°-70°	3673.8	24.3
70°-80°	1471.9	9.7
80°-90°	71.3	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°	15132.0	100.0
0°-180°	15132.0	100.0

Coefficient of Utilization



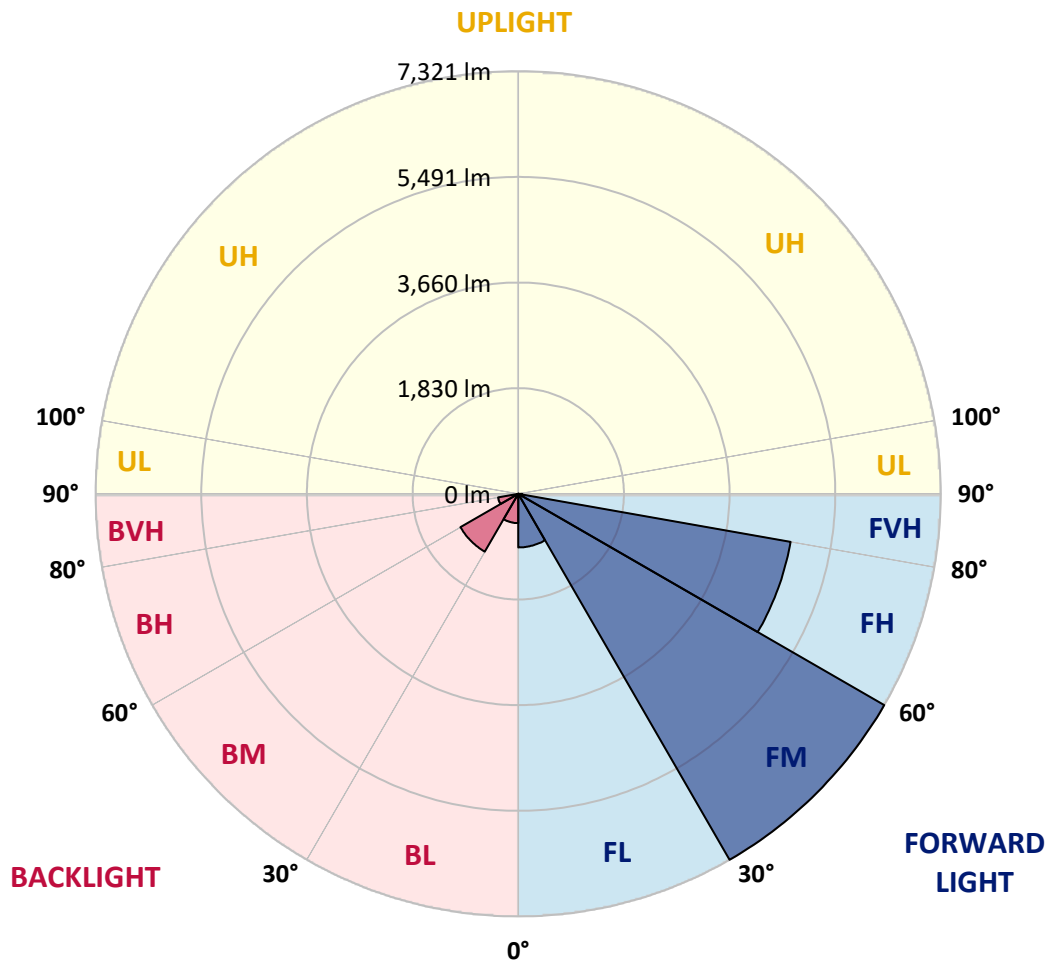
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	929.3	6.1			
FM (30°-60°)	7320.8	48.4			
FH (60°-80°)	4790.4	31.7			G2/5000
FVH (80°-90°)	67.8	0.4			G1/100
BL (0°-30°)	508.1	3.4	B2/1000		
BM (30°-60°)	1156.9	7.6	B2/2500		
BH (60°-80°)	355.2	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	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°	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0
2.5°	1753.9	1766.1	1763.1	1760.0	1759.0	1761.0	1762.0	1761.0	1761.0	1761.0
5°	1720.4	1730.6	1730.6	1737.7	1747.8	1760.0	1769.1	1771.2	1773.2	1776.2
7.5°	1656.5	1664.7	1670.7	1694.1	1719.4	1751.9	1779.3	1793.5	1795.5	1806.7
10°	1612.9	1623.1	1633.2	1657.6	1694.1	1742.8	1789.4	1823.9	1829.0	1855.4
12.5°	1610.9	1621.0	1634.2	1660.6	1703.2	1754.9	1811.7	1861.5	1870.6	1909.1
15°	1632.2	1644.4	1656.5	1689.0	1734.6	1797.5	1858.4	1920.3	1929.4	1984.2
17.5°	1675.8	1692.0	1701.2	1733.6	1782.3	1852.3	1932.5	2003.5	2011.6	2075.5
20°	1762.0	1781.3	1784.4	1810.7	1858.4	1933.5	2028.8	2117.1	2127.2	2200.3
22.5°	1940.6	1968.0	1943.6	1956.8	1999.4	2074.5	2177.9	2289.5	2303.7	2386.9
25°	2255.0	2293.6	2230.7	2208.4	2226.6	2304.7	2434.6	2575.6	2591.8	2658.8
27.5°	2872.8	2823.1	2727.8	2634.4	2579.7	2624.3	2770.4	2944.8	2965.1	3030.1
30°	3551.5	3507.8	3379.0	3172.1	3042.2	3035.1	3170.0	3364.8	3388.1	3450.0
32.5°	4231.1	4189.5	4049.5	3794.9	3569.7	3458.1	3551.5	3767.5	3779.7	3819.3
35°	4899.6	4857.0	4717.0	4456.3	4179.4	3925.8	3907.5	4151.0	4155.0	4196.6
37.5°	5572.2	5536.7	5387.6	5131.9	4859.0	4509.1	4339.7	4514.1	4519.2	4559.8
40°	6052.0	6067.2	5964.8	5766.9	5532.6	5150.2	4824.6	4900.6	4870.2	4938.2
42.5°	6463.8	6494.3	6405.0	6305.6	6169.7	5832.9	5425.1	5411.9	5363.2	5399.7
45°	6819.9	6845.3	6765.1	6741.8	6738.8	6502.4	6081.4	6002.3	5934.3	5927.2
47.5°	6950.8	6999.5	7033.9	7112.1	7264.2	7164.8	6760.1	6637.3	6561.2	6505.4
50°	7000.5	7052.2	7169.9	7397.1	7757.2	7799.8	7435.7	7297.7	7204.4	7102.9
52.5°	6933.5	7025.8	7184.1	7566.5	8088.9	8309.1	8083.9	7963.2	7856.6	7691.3
55°	6538.9	6631.2	6954.8	7564.5	8254.3	8666.1	8696.6	8642.8	8523.1	8262.4
57.5°	5707.1	5844.0	6356.3	7306.8	8251.2	8973.5	9297.1	9335.7	9201.8	8828.4
60°	4554.7	4740.4	5365.2	6735.7	7996.6	9139.9	9823.6	10016.3	9874.3	9386.4
62.5°	3178.2	3393.2	3984.6	5841.0	7414.4	9020.2	10208.1	10564.1	10456.6	9885.5
65°	1938.5	2007.5	2484.3	4596.3	6424.3	8519.1	10326.7	10860.3	10824.8	10190.8
67.5°	1291.3	1349.2	1486.1	3151.8	4986.9	7517.8	10042.7	10808.6	10818.7	10141.1
70°	778.1	827.8	917.0	1833.0	3231.9	5950.6	9163.2	10149.2	10208.1	9476.7
72.5°	320.6	354.0	435.2	830.8	1673.8	3776.7	7296.7	8713.8	8850.8	7968.2
75°	181.6	198.8	255.6	416.9	726.3	1760.0	4419.8	6185.9	6387.8	5492.0
77.5°	120.7	128.8	165.3	269.8	408.8	600.5	1888.8	3222.8	3608.3	2999.6
80°	81.2	88.3	113.6	180.6	265.8	257.7	601.5	1194.0	1468.9	1030.6
82.5°	54.8	55.8	81.2	118.7	168.4	124.8	177.5	371.3	466.6	298.2
85°	31.4	30.4	59.9	69.0	75.1	51.7	53.8	111.6	146.1	125.8
87.5°	4.1	6.1	23.3	18.3	10.1	11.2	11.2	19.3	28.4	30.4
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°
1760.0	0°	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0	1760.0
1762.0	2.5°	1762.0	1761.0	1758.0	1754.9	1747.8	1743.8	1745.8	1743.8	1742.8	1743.8
1775.2	5°	1775.2	1772.2	1764.1	1753.9	1739.7	1722.5	1711.3	1695.1	1679.9	1670.7
1810.7	7.5°	1810.7	1807.7	1796.5	1768.1	1722.5	1650.5	1584.5	1526.7	1483.1	1457.7
1867.5	10°	1867.5	1862.5	1845.2	1782.3	1662.6	1505.4	1374.5	1266.0	1195.0	1161.5
1934.5	12.5°	1934.5	1928.4	1898.0	1769.1	1549.0	1303.5	1123.0	1002.2	936.3	906.9
2011.6	15°	2013.6	2005.5	1945.6	1706.2	1383.7	1080.4	915.0	824.7	782.1	755.7
2110.0	17.5°	2112.0	2097.8	1981.2	1611.9	1204.1	909.9	787.2	719.2	681.7	656.3
2238.8	20°	2239.8	2216.5	2009.6	1499.3	1038.8	802.4	701.0	644.2	615.7	593.4
2421.4	22.5°	2418.4	2384.9	2044.0	1377.6	922.1	728.3	637.1	595.5	572.1	546.8
2676.0	25°	2639.5	2599.9	2086.7	1265.0	842.0	664.4	590.4	555.9	528.5	499.1
3009.8	27.5°	2948.9	2877.9	2137.4	1172.7	773.0	609.7	547.8	509.2	477.8	453.4
3388.1	30°	3293.8	3177.1	2182.0	1116.9	710.1	558.9	492.0	453.4	424.0	406.8
3728.0	32.5°	3620.4	3462.2	2211.4	1092.5	653.3	501.1	431.1	389.5	367.2	362.1
4060.7	35°	3928.8	3719.9	2208.4	1069.2	602.6	443.3	371.3	328.7	311.4	314.5
4418.8	37.5°	4283.9	3994.8	2187.1	1032.7	561.0	390.5	319.5	282.0	266.8	267.8
4854.0	40°	4696.7	4312.3	2173.9	963.7	515.3	341.9	276.9	246.5	235.3	231.3
5312.5	42.5°	5137.0	4619.6	2175.9	885.6	458.5	298.2	247.5	222.2	212.0	209.0
5822.7	45°	5579.3	4912.8	2179.0	804.4	398.7	264.8	226.2	204.9	198.8	194.8
6340.1	47.5°	5995.2	5162.4	2122.2	717.2	339.8	239.4	209.0	194.8	189.7	184.6
6859.5	50°	6382.7	5328.7	1985.2	615.7	293.2	219.1	195.8	185.6	180.6	175.5
7330.2	52.5°	6684.0	5355.1	1759.0	511.3	260.7	203.9	187.7	178.5	172.5	167.4
7710.6	55°	6817.9	5189.7	1437.4	413.9	235.3	190.7	179.6	170.4	163.3	158.2
8009.8	57.5°	6783.4	4841.8	1120.9	332.7	211.0	177.5	169.4	163.3	155.2	147.1
8252.3	60°	6614.0	4376.2	845.0	276.9	188.7	163.3	158.2	153.2	142.0	129.8
8345.6	62.5°	6320.8	3790.9	602.6	229.3	164.3	147.1	145.1	141.0	124.8	102.5
8207.6	65°	5872.4	3079.8	405.8	190.7	141.0	128.8	129.8	122.7	101.4	76.1
7702.4	67.5°	5217.1	2252.0	259.7	156.2	117.7	107.5	108.5	104.5	86.2	64.9
6744.8	70°	4382.3	1491.2	169.4	118.7	94.3	83.2	89.3	90.3	73.0	52.7
5176.6	72.5°	3212.6	880.5	118.7	88.3	69.0	57.8	73.0	75.1	58.8	39.6
3114.3	75°	1831.0	417.9	89.3	63.9	42.6	40.6	56.8	56.8	40.6	26.4
1348.2	77.5°	768.9	174.5	62.9	41.6	24.3	23.3	38.5	35.5	20.3	12.2
328.7	80°	222.2	78.1	33.5	20.3	10.1	9.1	15.2	11.2	5.1	2.0
124.8	82.5°	87.2	34.5	13.2	8.1	4.1	4.1	2.0	0.0	0.0	0.0
71.0	85°	51.7	14.2	6.1	3.0	1.0	0.0	0.0	0.0	0.0	0.0
15.2	87.5°	13.2	3.0	2.0	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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180°
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1760.0
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271.9
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