

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: P848197

Luminaire Tested: **GLAN-SB4C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848197
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-SB4C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 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: 15159 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

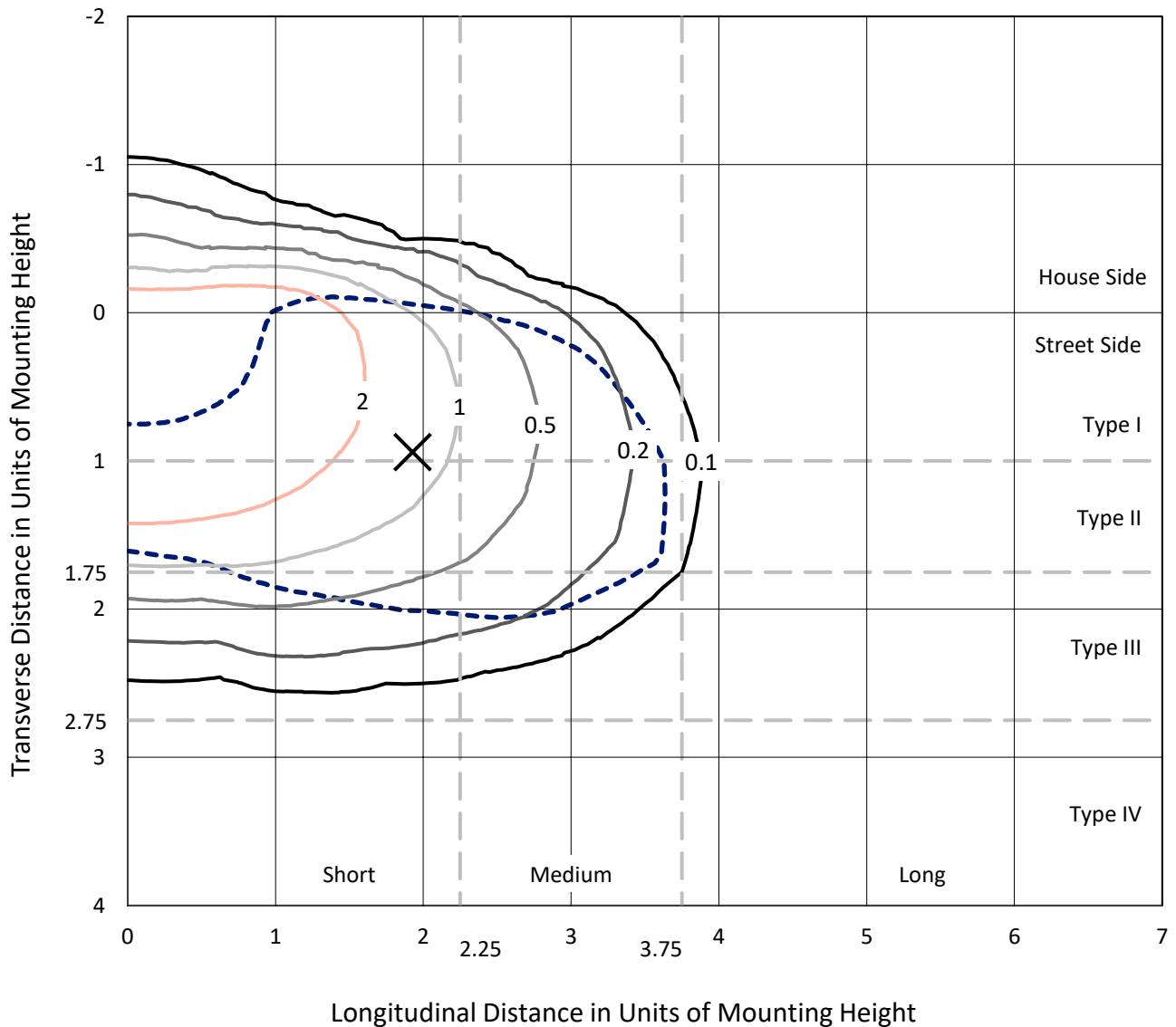
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

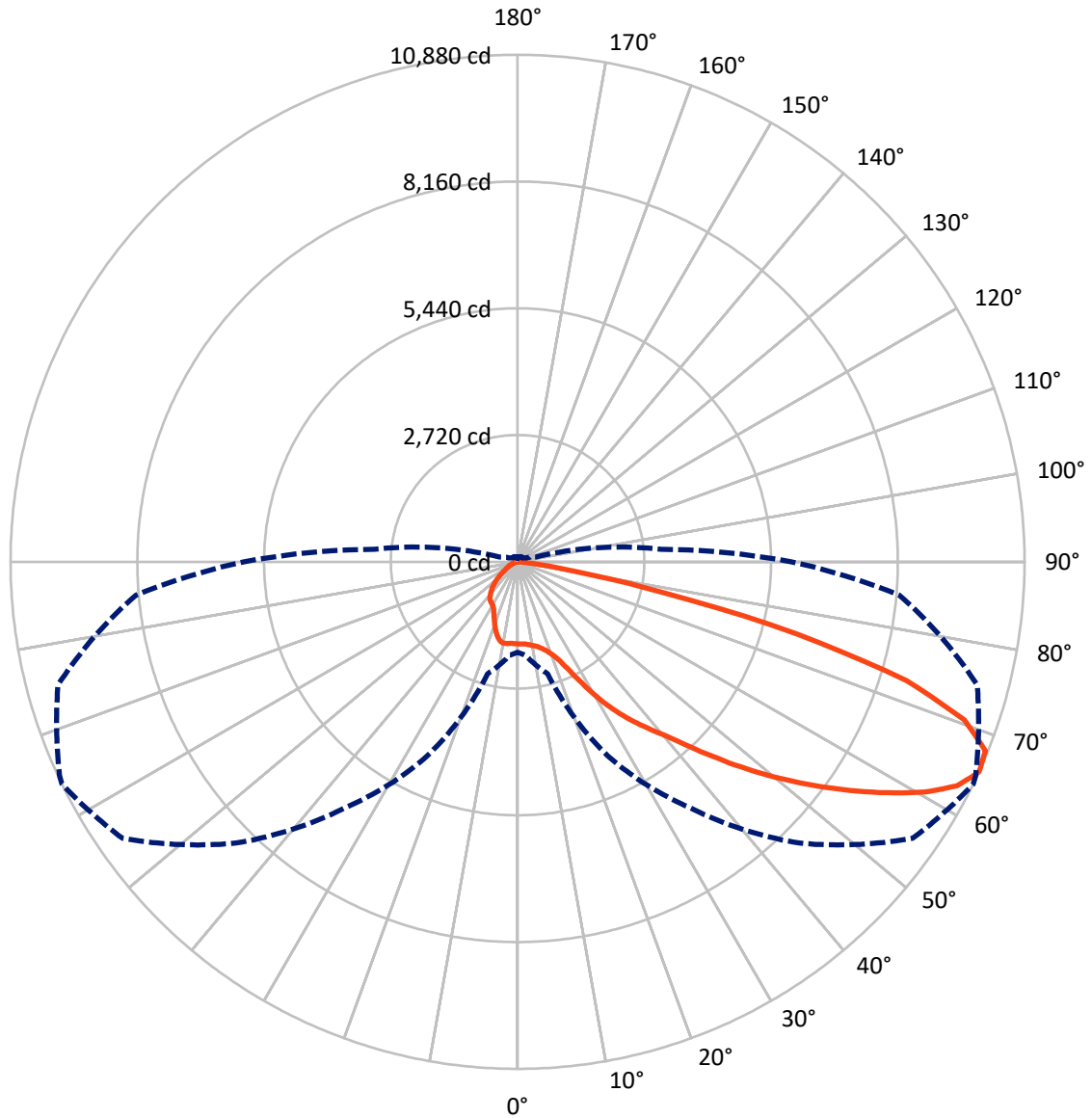
✕ Max cd
 - - - 1/2 Max cd



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	2027.2	0.0	2027.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13131.8	0.0	13131.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	15159.0	0.0	15159.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	1.1
10°-20°	441.2	2.9
20°-30°	836.0	5.5
30°-40°	1691.8	11.2
40°-50°	2881.9	19.0
50°-60°	3919.2	25.9
60°-70°	3680.3	24.3
70°-80°	1474.5	9.7
80°-90°	71.4	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°	15159.0	100.0
0°-180°	15159.0	100.0

Coefficient of Utilization



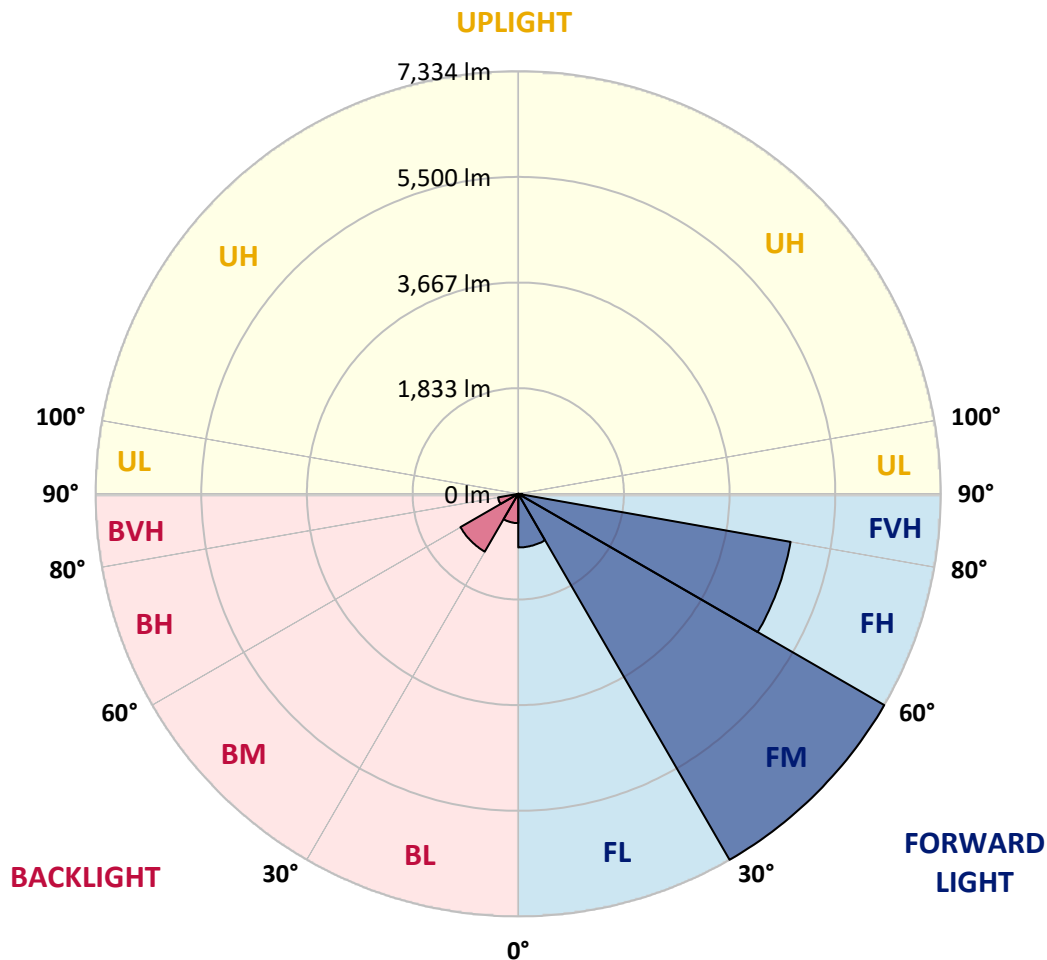
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	930.9	6.1			
FM (30°-60°)	7333.9	48.4			
FH (60°-80°)	4799.0	31.7			G2/5000
FVH (80°-90°)	67.9	0.4			G1/100
BL (0°-30°)	509.0	3.4	B2/1000		
BM (30°-60°)	1158.9	7.6	B2/2500		
BH (60°-80°)	355.8	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°	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1
2.5°	1757.1	1769.2	1766.2	1763.1	1762.1	1764.2	1765.2	1764.2	1764.2	1764.2
5°	1723.5	1733.7	1733.7	1740.8	1751.0	1763.1	1772.3	1774.3	1776.4	1779.4
7.5°	1659.5	1667.6	1673.7	1697.1	1722.5	1755.0	1782.5	1796.7	1798.7	1809.9
10°	1615.8	1626.0	1636.1	1660.5	1697.1	1745.9	1792.6	1827.2	1832.3	1858.7
12.5°	1613.8	1623.9	1637.1	1663.6	1706.2	1758.1	1815.0	1864.8	1873.9	1912.5
15°	1635.1	1647.3	1659.5	1692.0	1737.7	1800.7	1861.7	1923.7	1932.9	1987.7
17.5°	1678.8	1695.1	1704.2	1736.7	1785.5	1855.6	1935.9	2007.0	2015.2	2079.2
20°	1765.2	1784.5	1787.5	1814.0	1861.7	1936.9	2032.4	2120.9	2131.0	2204.2
22.5°	1944.0	1971.5	1947.1	1960.3	2003.0	2078.2	2181.8	2293.6	2307.8	2391.2
25°	2259.1	2297.7	2234.7	2212.3	2230.6	2308.9	2438.9	2580.2	2596.5	2663.5
27.5°	2877.9	2828.2	2732.6	2639.1	2584.3	2629.0	2775.3	2950.1	2970.4	3035.5
30°	3557.8	3514.1	3385.0	3177.7	3047.7	3040.5	3175.7	3370.8	3394.2	3456.2
32.5°	4238.7	4197.0	4056.8	3801.7	3576.1	3464.3	3557.8	3774.3	3786.5	3826.1
35°	4908.4	4865.7	4725.4	4464.3	4186.8	3932.8	3914.5	4158.4	4162.5	4204.1
37.5°	5582.1	5546.6	5397.2	5141.1	4867.7	4517.1	4347.4	4522.2	4527.3	4567.9
40°	6062.8	6078.0	5975.4	5777.2	5542.5	5159.4	4833.2	4909.4	4878.9	4947.0
42.5°	6475.4	6505.9	6416.4	6316.9	6180.7	5843.3	5434.8	5421.6	5372.8	5409.4
45°	6832.1	6857.5	6777.2	6753.8	6750.8	6514.0	6092.3	6013.0	5944.9	5937.8
47.5°	6963.2	7011.9	7046.5	7124.7	7277.2	7177.6	6772.1	6649.2	6572.9	6517.0
50°	7013.0	7064.8	7182.7	7410.3	7771.1	7813.7	7448.9	7310.7	7217.2	7115.6
52.5°	6945.9	7038.4	7196.9	7580.0	8103.4	8323.9	8098.3	7977.4	7870.7	7705.0
55°	6550.6	6643.1	6967.2	7578.0	8269.0	8681.6	8712.1	8658.2	8538.3	8277.1
57.5°	5717.3	5854.5	6367.7	7319.9	8266.0	8989.5	9313.7	9352.3	9218.2	8844.2
60°	4562.8	4748.8	5374.8	6747.7	8010.9	9156.2	9841.1	10034.2	9891.9	9403.1
62.5°	3183.8	3399.3	3991.7	5851.4	7427.6	9036.3	10226.3	10583.0	10475.2	9903.1
65°	1942.0	2011.1	2488.7	4604.5	6435.7	8534.3	10345.2	10879.7	10844.1	10209.0
67.5°	1293.7	1351.6	1488.8	3157.4	4995.8	7531.2	10060.6	10827.9	10838.0	10159.2
70°	779.4	829.2	918.7	1836.3	3237.7	5961.2	9179.6	10167.3	10226.3	9493.6
72.5°	321.1	354.7	436.0	832.3	1676.8	3783.4	7309.7	8729.4	8866.6	7982.4
75°	181.9	199.2	256.1	417.7	727.6	1763.1	4427.7	6196.9	6399.2	5501.8
77.5°	120.9	129.1	165.6	270.3	409.5	601.6	1892.2	3228.5	3614.7	3005.0
80°	81.3	88.4	113.8	180.9	266.3	258.1	602.6	1196.1	1471.5	1032.5
82.5°	54.9	55.9	81.3	118.9	168.7	125.0	177.8	371.9	467.5	298.8
85°	31.5	30.5	60.0	69.1	75.2	51.8	53.9	111.8	146.3	126.0
87.5°	4.1	6.1	23.4	18.3	10.2	11.2	11.2	19.3	28.5	30.5
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°
1763.1	0°	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1	1763.1
1765.2	2.5°	1765.2	1764.2	1761.1	1758.1	1751.0	1746.9	1748.9	1746.9	1745.9	1746.9
1778.4	5°	1778.4	1775.3	1767.2	1757.1	1742.8	1725.5	1714.4	1698.1	1682.9	1673.7
1814.0	7.5°	1814.0	1810.9	1799.7	1771.3	1725.5	1653.4	1587.3	1529.4	1485.7	1460.3
1870.9	10°	1870.9	1865.8	1848.5	1785.5	1665.6	1508.1	1377.0	1268.2	1197.1	1163.6
1937.9	12.5°	1937.9	1931.8	1901.4	1772.3	1551.8	1305.8	1125.0	1004.0	938.0	908.5
2015.2	15°	2017.2	2009.1	1949.1	1709.3	1386.1	1082.3	916.6	826.2	783.5	757.1
2113.7	17.5°	2115.8	2101.6	1984.7	1614.8	1206.3	911.6	788.6	720.5	682.9	657.5
2242.8	20°	2243.8	2220.5	2013.1	1502.0	1040.6	803.8	702.2	645.3	616.8	594.5
2425.7	22.5°	2422.7	2389.1	2047.7	1380.0	923.7	729.6	638.2	596.5	573.2	547.7
2680.8	25°	2644.2	2604.6	2090.4	1267.2	843.5	665.6	591.4	556.9	529.5	500.0
3015.1	27.5°	2954.2	2883.0	2141.2	1174.8	774.4	610.8	548.8	510.1	478.6	454.3
3394.2	30°	3299.7	3182.8	2185.9	1118.9	711.4	559.9	492.9	454.3	424.8	407.5
3734.6	32.5°	3626.9	3468.4	2215.4	1094.5	654.4	502.0	431.9	390.2	367.9	362.8
4067.9	35°	3935.8	3726.5	2212.3	1071.1	603.6	444.1	371.9	329.3	312.0	315.0
4426.7	37.5°	4291.5	4001.9	2191.0	1034.5	562.0	391.2	320.1	282.5	267.3	268.3
4862.6	40°	4705.1	4320.0	2177.8	965.4	516.2	342.5	277.4	246.9	235.8	231.7
5322.0	42.5°	5146.2	4627.9	2179.8	887.2	459.3	298.8	248.0	222.6	212.4	209.3
5833.1	45°	5589.2	4921.6	2182.8	805.9	399.4	265.2	226.6	205.3	199.2	195.1
6351.4	47.5°	6005.9	5171.6	2125.9	718.5	340.4	239.8	209.3	195.1	190.0	185.0
6871.7	50°	6394.1	5338.2	1988.8	616.8	293.7	219.5	196.1	186.0	180.9	175.8
7343.2	52.5°	6695.9	5364.6	1762.1	512.2	261.2	204.3	188.0	178.9	172.8	167.7
7724.3	55°	6830.0	5199.0	1440.0	414.6	235.8	191.1	179.9	170.7	163.6	158.5
8024.1	57.5°	6795.5	4850.4	1122.9	333.3	211.4	177.8	169.7	163.6	155.5	147.4
8267.0	60°	6625.8	4384.0	846.5	277.4	189.0	163.6	158.5	153.4	142.3	130.1
8360.5	62.5°	6332.1	3797.6	603.6	229.7	164.6	147.4	145.3	141.3	125.0	102.6
8222.3	65°	5882.9	3085.3	406.5	191.1	141.3	129.1	130.1	123.0	101.6	76.2
7716.2	67.5°	5226.4	2256.0	260.2	156.5	117.9	107.7	108.7	104.7	86.4	65.0
6756.9	70°	4390.1	1493.8	169.7	118.9	94.5	83.3	89.4	90.4	73.2	52.8
5185.8	72.5°	3218.4	882.1	118.9	88.4	69.1	57.9	73.2	75.2	58.9	39.6
3119.8	75°	1834.3	418.7	89.4	64.0	42.7	40.6	56.9	56.9	40.6	26.4
1350.6	77.5°	770.3	174.8	63.0	41.7	24.4	23.4	38.6	35.6	20.3	12.2
329.3	80°	222.6	78.2	33.5	20.3	10.2	9.1	15.2	11.2	5.1	2.0
125.0	82.5°	87.4	34.6	13.2	8.1	4.1	4.1	2.0	0.0	0.0	0.0
71.1	85°	51.8	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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1763.1
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272.3
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