

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: P848587

Luminaire Tested: **GLAN-SB5B-722-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848587
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-SB5B-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 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: 17445 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

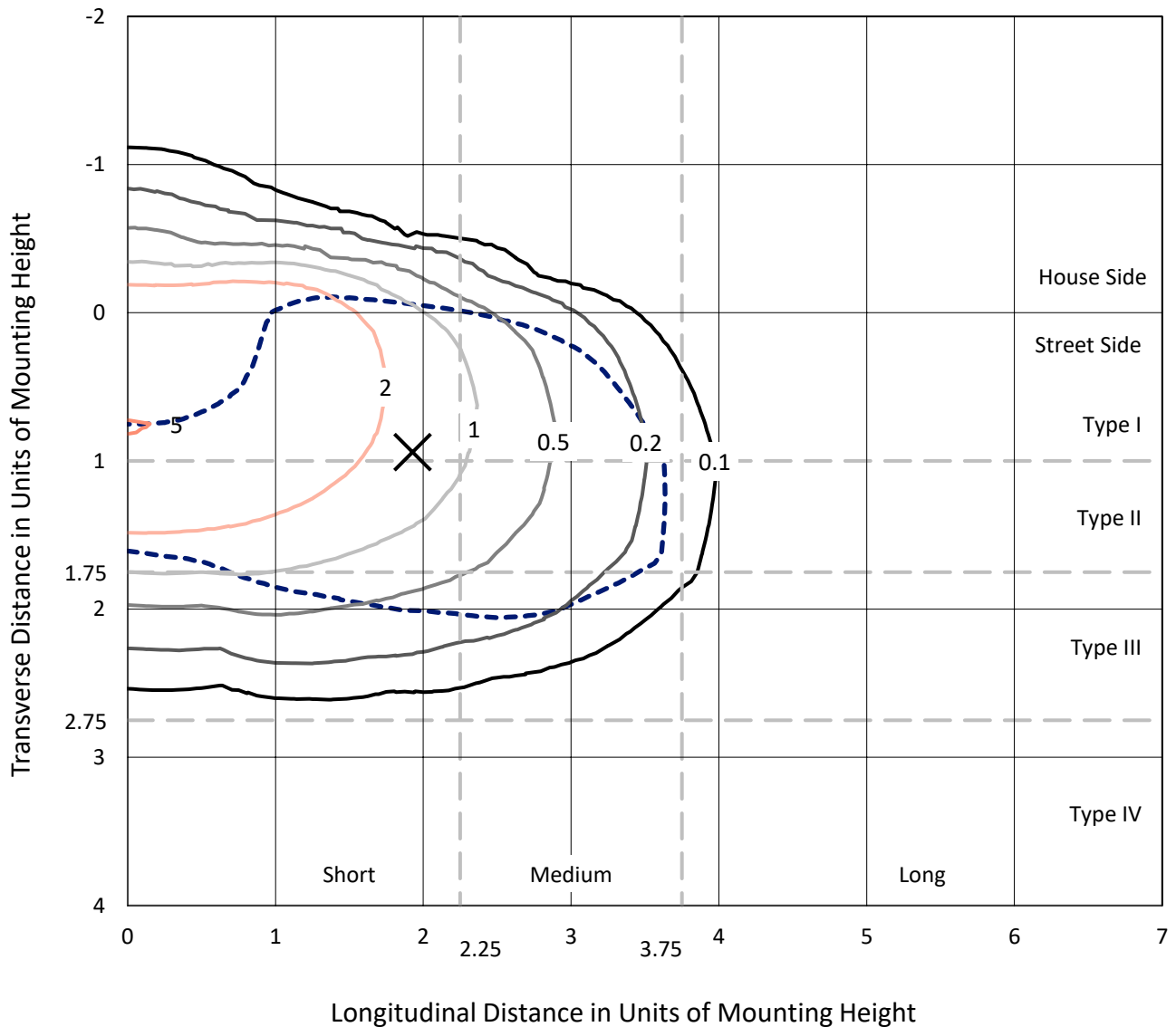
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

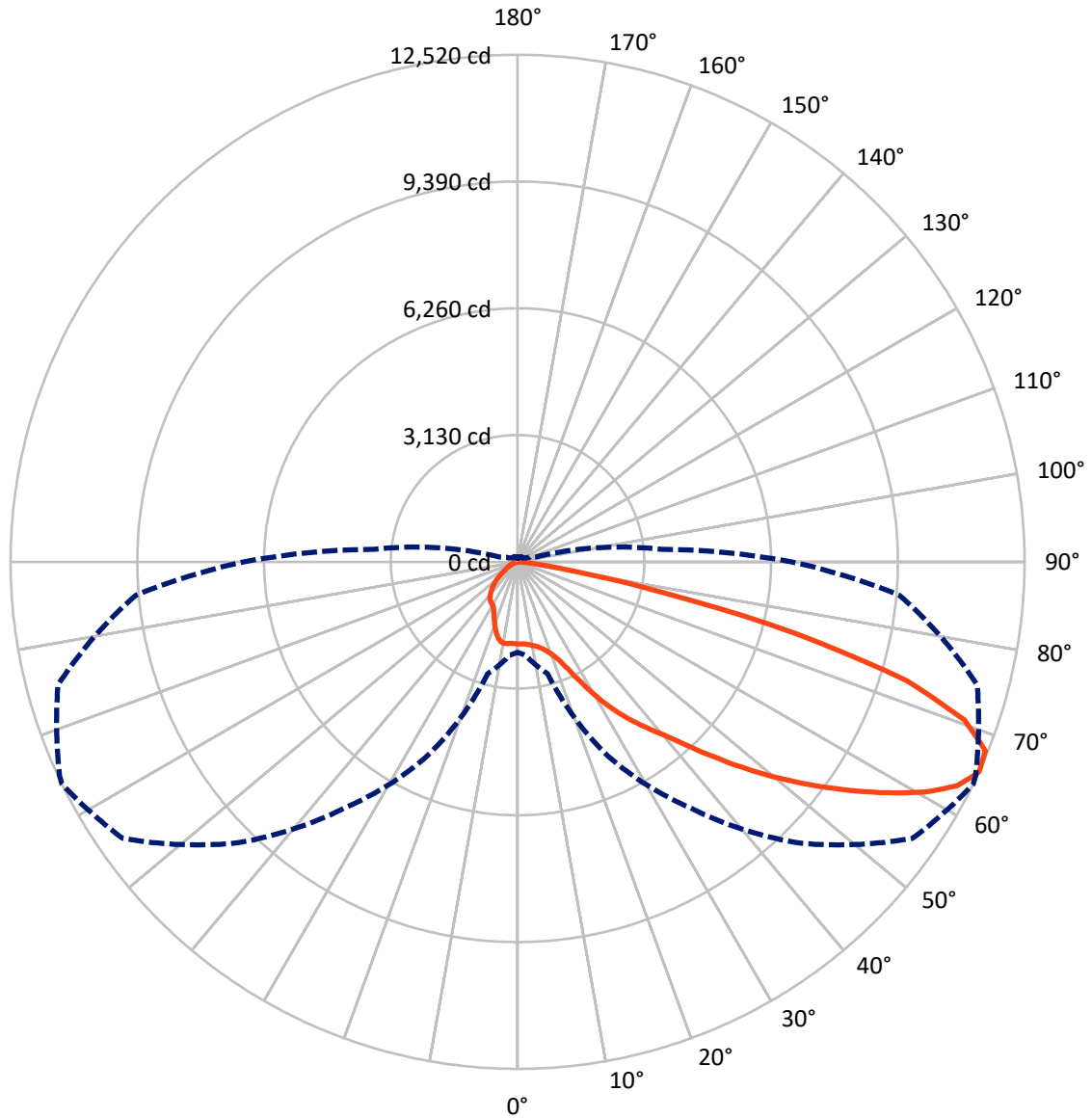
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2332.9	0.0	2332.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	15112.1	0.0	15112.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	17445.0	0.0	17445.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	1.1
10°-20°	507.7	2.9
20°-30°	962.1	5.5
30°-40°	1946.9	11.2
40°-50°	3316.5	19.0
50°-60°	4510.2	25.9
60°-70°	4235.3	24.3
70°-80°	1696.8	9.7
80°-90°	82.2	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°	17445.0	100.0
0°-180°	17445.0	100.0

Coefficient of Utilization



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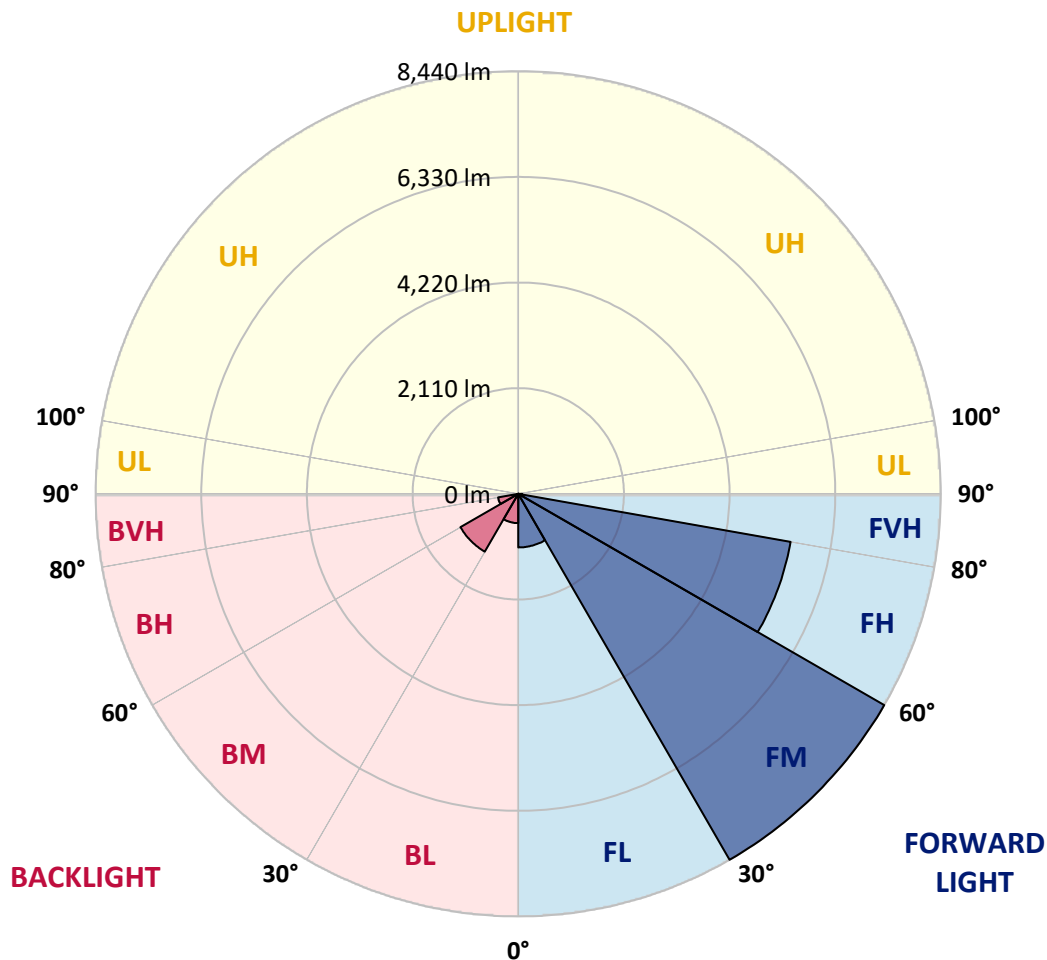
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1071.3	6.1			
FM (30°-60°)	8439.9	48.4			
FH (60°-80°)	5522.7	31.7			G3/7500
FVH (80°-90°)	78.2	0.4			G1/100
BL (0°-30°)	585.7	3.4	B2/1000		
BM (30°-60°)	1333.7	7.6	B2/2500		
BH (60°-80°)	409.5	2.3	B1/500		G1/500
BVH (80°-90°)	4.0	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°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
2.5°	2022.0	2036.1	2032.5	2029.0	2027.9	2030.2	2031.4	2030.2	2030.2	2030.2
5°	1983.4	1995.1	1995.1	2003.3	2015.0	2029.0	2039.6	2041.9	2044.2	2047.7
7.5°	1909.7	1919.1	1926.1	1953.0	1982.3	2019.7	2051.3	2067.6	2070.0	2082.8
10°	1859.5	1871.2	1882.9	1910.9	1953.0	2009.2	2062.9	2102.7	2108.6	2139.0
12.5°	1857.1	1868.8	1884.0	1914.4	1963.5	2023.2	2088.7	2146.0	2156.5	2200.9
15°	1881.7	1895.7	1909.7	1947.2	1999.8	2072.3	2142.5	2213.8	2224.3	2287.5
17.5°	1932.0	1950.7	1961.2	1998.6	2054.8	2135.5	2227.8	2309.7	2319.1	2392.7
20°	2031.4	2053.6	2057.1	2087.5	2142.5	2229.0	2338.9	2440.7	2452.4	2536.6
22.5°	2237.2	2268.8	2240.7	2255.9	2305.0	2391.6	2510.9	2639.5	2655.9	2751.8
25°	2599.7	2644.2	2571.7	2545.9	2567.0	2657.0	2806.7	2969.3	2988.0	3065.2
27.5°	3311.9	3254.6	3144.7	3037.1	2974.0	3025.4	3193.8	3395.0	3418.4	3493.2
30°	4094.3	4044.0	3895.5	3656.9	3507.2	3499.1	3654.6	3879.1	3906.0	3977.4
32.5°	4877.9	4829.9	4668.5	4375.0	4115.4	3986.7	4094.3	4343.4	4357.5	4403.1
35°	5648.6	5599.4	5438.0	5137.5	4818.2	4525.9	4504.8	4785.5	4790.2	4838.1
37.5°	6423.9	6383.0	6211.1	5916.4	5601.8	5198.3	5003.0	5204.2	5210.0	5256.8
40°	6977.1	6994.6	6876.5	6648.5	6378.3	5937.4	5562.0	5649.7	5614.6	5693.0
42.5°	7451.9	7487.0	7384.0	7269.4	7112.7	6724.5	6254.3	6239.1	6183.0	6225.1
45°	7862.4	7891.6	7799.2	7772.3	7768.8	7496.3	7011.0	6919.8	6841.4	6833.2
47.5°	8013.2	8069.4	8109.1	8199.2	8374.6	8260.0	7793.4	7651.9	7564.1	7499.8
50°	8070.5	8130.2	8265.8	8527.8	8943.0	8992.1	8572.2	8413.2	8305.6	8188.6
52.5°	7993.3	8099.8	8282.2	8723.1	9325.4	9579.1	9319.5	9180.4	9057.6	8866.9
55°	7538.4	7644.8	8017.9	8720.8	9516.0	9990.8	10025.9	9963.9	9825.9	9525.4
57.5°	6579.5	6737.3	7327.9	8423.7	9512.5	10345.2	10718.2	10762.7	10608.3	10177.9
60°	5250.9	5464.9	6185.3	7765.3	9219.0	10536.9	11325.2	11547.4	11383.6	10821.1
62.5°	3664.0	3911.9	4593.7	6733.8	8547.7	10398.9	11768.4	12178.9	12054.9	11396.5
65°	2234.9	2314.4	2864.0	5298.9	7406.3	9821.2	11905.2	12520.4	12479.4	11748.5
67.5°	1488.7	1555.4	1713.3	3633.6	5749.1	8667.0	11577.8	12460.7	12472.4	11691.2
70°	897.0	954.3	1057.2	2113.2	3725.9	6860.1	10563.8	11700.6	11768.4	10925.2
72.5°	369.6	408.1	501.7	957.8	1929.6	4353.9	8412.0	10045.8	10203.6	9186.2
75°	209.3	229.2	294.7	480.7	837.3	2029.0	5095.4	7131.4	7364.2	6331.5
77.5°	139.2	148.5	190.6	311.1	471.3	692.3	2177.6	3715.4	4159.8	3458.1
80°	93.6	101.7	131.0	208.2	306.4	297.0	693.5	1376.5	1693.4	1188.2
82.5°	63.2	64.3	93.6	136.8	194.1	143.8	204.7	428.0	538.0	343.8
85°	36.3	35.1	69.0	79.5	86.5	59.6	62.0	128.6	168.4	145.0
87.5°	4.7	7.0	26.9	21.1	11.7	12.9	12.9	22.2	32.7	35.1
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°
2029.0	0°	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0	2029.0
2031.4	2.5°	2031.4	2030.2	2026.7	2023.2	2015.0	2010.3	2012.7	2010.3	2009.2	2010.3
2046.6	5°	2046.6	2043.1	2033.7	2022.0	2005.6	1985.8	1972.9	1954.2	1936.6	1926.1
2087.5	7.5°	2087.5	2084.0	2071.1	2038.4	1985.8	1902.7	1826.7	1760.1	1709.8	1680.5
2153.0	10°	2153.0	2147.2	2127.3	2054.8	1916.8	1735.5	1584.6	1459.5	1377.6	1339.0
2230.2	12.5°	2230.2	2223.2	2188.1	2039.6	1785.8	1502.8	1294.6	1155.4	1079.4	1045.5
2319.1	15°	2321.4	2312.0	2243.0	1967.1	1595.2	1245.5	1054.9	950.8	901.7	871.3
2432.5	17.5°	2434.8	2418.5	2284.0	1858.3	1388.2	1049.0	907.5	829.2	785.9	756.6
2581.0	20°	2582.2	2555.3	2316.7	1728.5	1197.5	925.1	808.1	742.6	709.9	684.1
2791.5	22.5°	2788.0	2749.4	2356.5	1588.1	1063.1	839.7	734.4	686.5	659.6	630.3
3085.1	25°	3043.0	2997.4	2405.6	1458.3	970.7	766.0	680.6	640.9	609.3	575.4
3469.8	27.5°	3399.7	3317.8	2464.1	1351.9	891.1	702.9	631.5	587.1	550.8	522.8
3906.0	30°	3797.3	3662.8	2515.5	1287.6	818.6	644.4	567.2	522.8	488.8	469.0
4297.8	32.5°	4173.8	3991.4	2549.4	1259.5	753.1	577.7	497.0	449.1	423.3	417.5
4681.4	35°	4529.4	4288.5	2545.9	1232.6	694.7	511.1	428.0	378.9	359.0	362.5
5094.2	37.5°	4938.7	4605.4	2521.4	1190.5	646.7	450.2	368.4	325.1	307.6	308.7
5595.9	40°	5414.7	4971.4	2506.2	1111.0	594.1	394.1	319.3	284.2	271.3	266.6
6124.5	42.5°	5922.2	5325.8	2508.5	1020.9	528.6	343.8	285.4	256.1	244.4	240.9
6712.8	45°	6432.1	5663.8	2512.0	927.4	459.6	305.2	260.8	236.2	229.2	224.5
7309.2	47.5°	6911.6	5951.4	2446.5	826.8	391.8	276.0	240.9	224.5	218.7	212.8
7908.0	50°	7358.3	6143.2	2288.7	709.9	338.0	252.6	225.7	214.0	208.2	202.3
8450.6	52.5°	7705.7	6173.6	2027.9	589.4	300.6	235.1	216.4	205.8	198.8	193.0
8889.2	55°	7860.0	5983.0	1657.1	477.1	271.3	219.9	207.0	196.5	188.3	182.4
9234.2	57.5°	7820.3	5581.9	1292.3	383.6	243.3	204.7	195.3	188.3	178.9	169.6
9513.7	60°	7625.0	5045.1	974.2	319.3	217.5	188.3	182.4	176.6	163.7	149.7
9621.2	62.5°	7287.0	4370.3	694.7	264.3	189.5	169.6	167.2	162.6	143.8	118.1
9462.2	65°	6770.1	3550.5	467.8	219.9	162.6	148.5	149.7	141.5	116.9	87.7
8879.8	67.5°	6014.6	2596.2	299.4	180.1	135.7	124.0	125.1	120.5	99.4	74.8
7775.8	70°	5052.1	1719.1	195.3	136.8	108.8	95.9	102.9	104.1	84.2	60.8
5967.8	72.5°	3703.7	1015.1	136.8	101.7	79.5	66.7	84.2	86.5	67.8	45.6
3590.3	75°	2110.9	481.8	102.9	73.7	49.1	46.8	65.5	65.5	46.8	30.4
1554.2	77.5°	886.5	201.1	72.5	47.9	28.1	26.9	44.4	40.9	23.4	14.0
378.9	80°	256.1	90.0	38.6	23.4	11.7	10.5	17.5	12.9	5.8	2.3
143.8	82.5°	100.6	39.8	15.2	9.4	4.7	4.7	2.3	0.0	0.0	0.0
81.9	85°	59.6	16.4	7.0	3.5	1.2	0.0	0.0	0.0	0.0	0.0
17.5	87.5°	15.2	3.5	2.3	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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2029.0
2015.0
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