

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: P849217

Luminaire Tested: **GLAN-SB6A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849217
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-SB6A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA 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: 13739 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

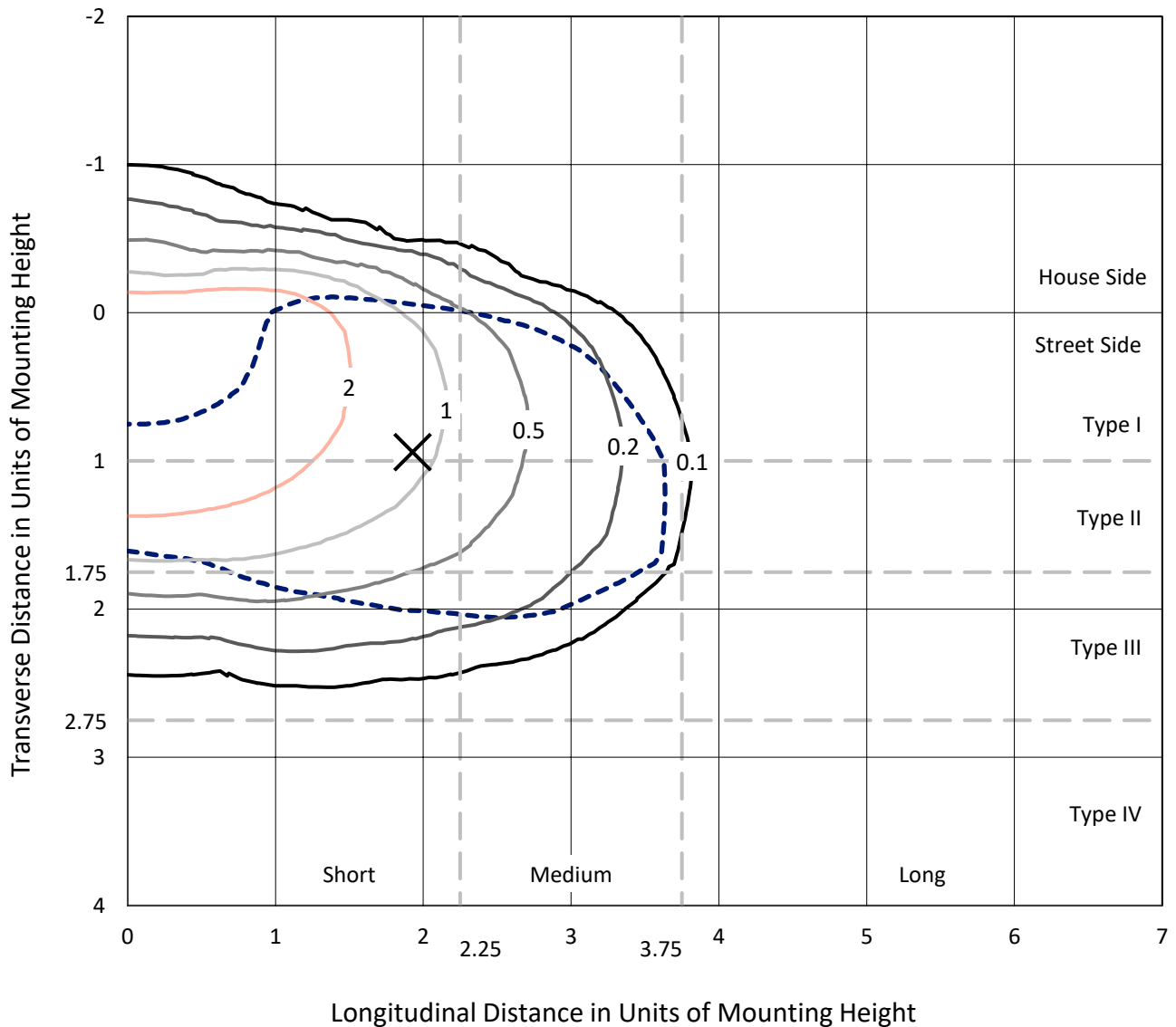
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

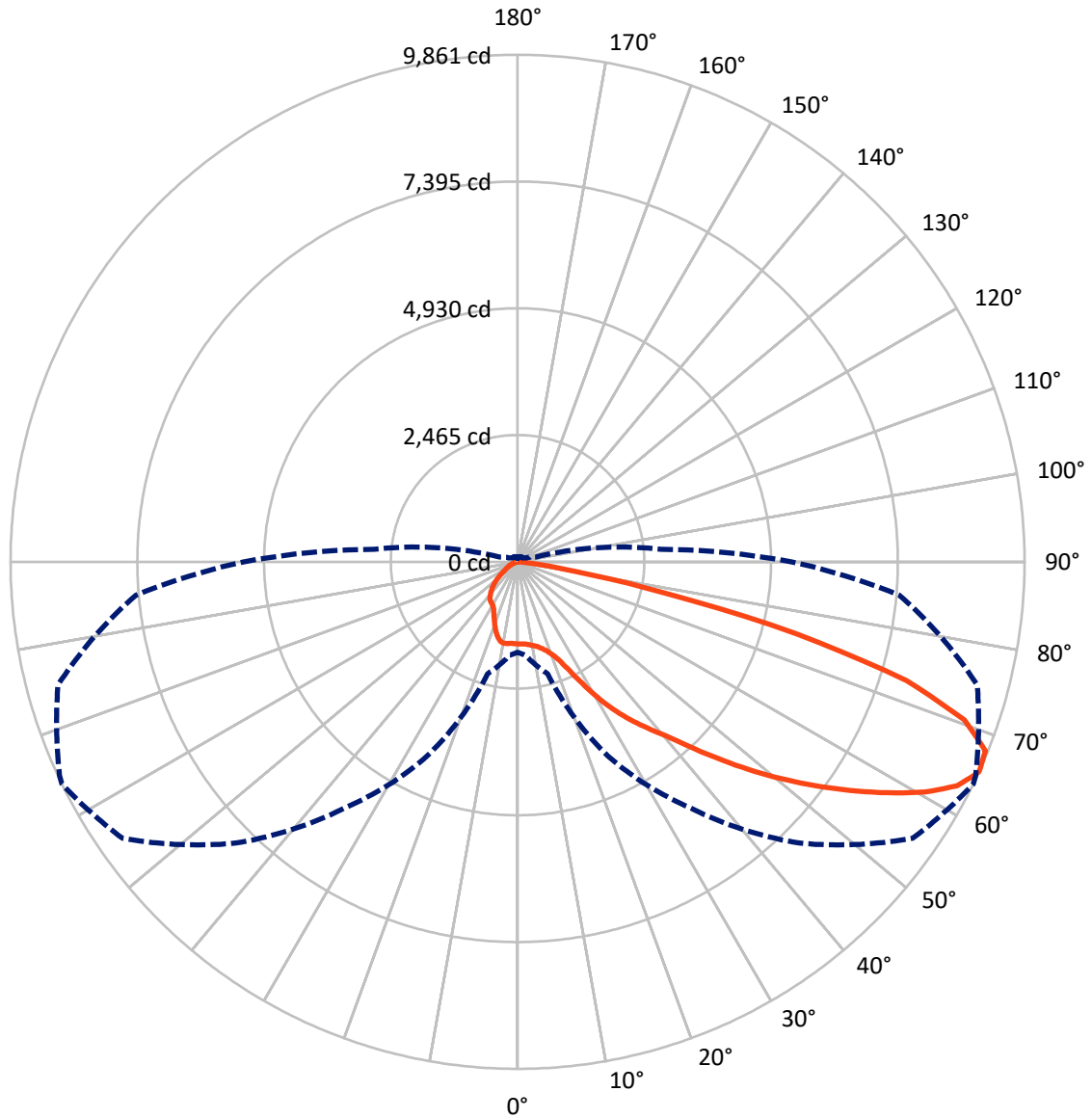
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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	1837.3	0.0	1837.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	11901.7	0.0	11901.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	13739.0	0.0	13739.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.1
10°-20°	399.9	2.9
20°-30°	757.7	5.5
30°-40°	1533.3	11.2
40°-50°	2612.0	19.0
50°-60°	3552.1	25.9
60°-70°	3335.6	24.3
70°-80°	1336.4	9.7
80°-90°	64.7	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°	13739.0	100.0
0°-180°	13739.0	100.0

Coefficient of Utilization



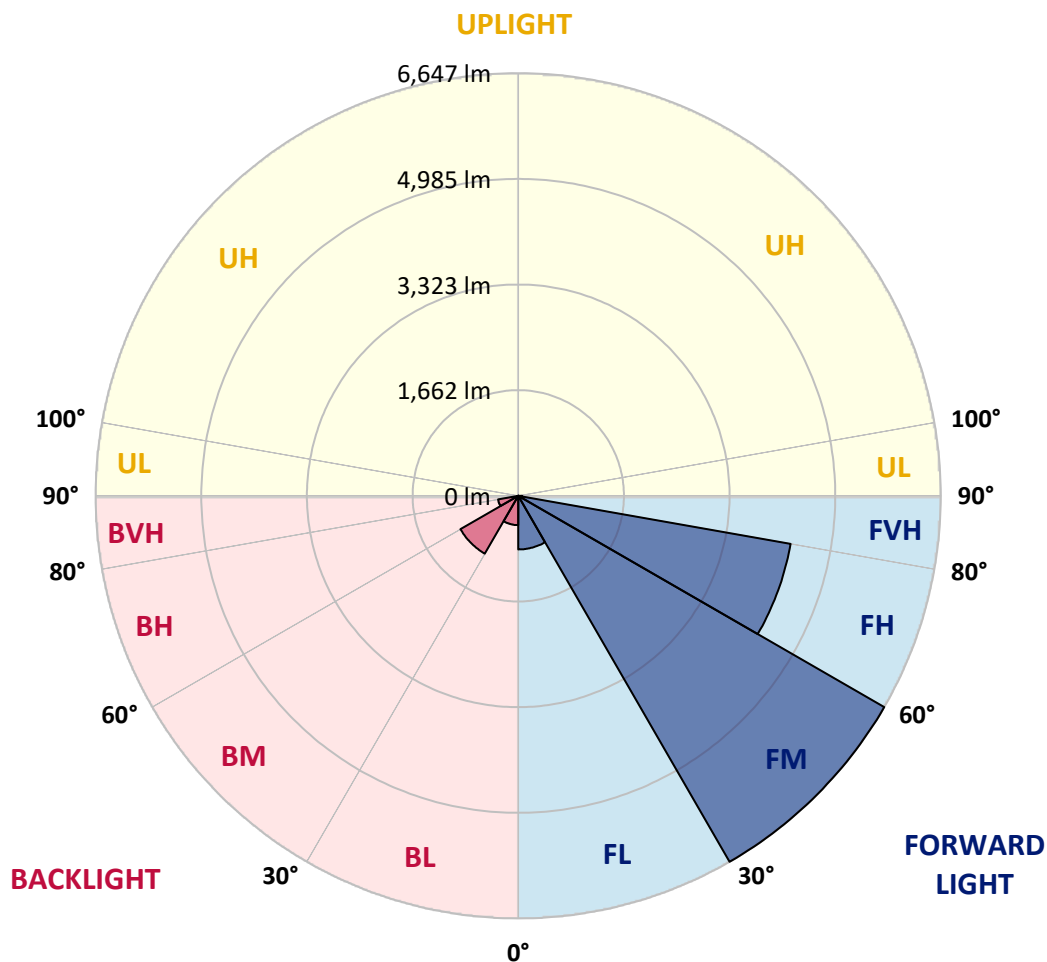
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	843.7	6.1			
FM (30°-60°)	6646.9	48.4			
FH (60°-80°)	4349.5	31.7			G2/5000
FVH (80°-90°)	61.6	0.4			G1/100
BL (0°-30°)	461.3	3.4	B1/500		
BM (30°-60°)	1050.4	7.6	B2/2500		
BH (60°-80°)	322.5	2.3	B1/500		G1/500
BVH (80°-90°)	3.2	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°	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0
2.5°	1592.5	1603.5	1600.8	1598.0	1597.1	1598.9	1599.8	1598.9	1598.9	1598.9
5°	1562.1	1571.3	1571.3	1577.7	1586.9	1598.0	1606.3	1608.1	1610.0	1612.7
7.5°	1504.0	1511.4	1516.9	1538.1	1561.1	1590.6	1615.5	1628.4	1630.2	1640.4
10°	1464.4	1473.6	1482.9	1505.0	1538.1	1582.3	1624.7	1656.0	1660.6	1684.6
12.5°	1462.6	1471.8	1483.8	1507.7	1546.4	1593.4	1645.0	1690.1	1698.4	1733.4
15°	1481.9	1493.0	1504.0	1533.5	1575.0	1632.1	1687.3	1743.5	1751.8	1801.5
17.5°	1521.5	1536.3	1544.6	1574.0	1618.3	1681.8	1754.6	1819.0	1826.4	1884.4
20°	1599.8	1617.3	1620.1	1644.0	1687.3	1755.5	1842.1	1922.2	1931.4	1997.7
22.5°	1761.9	1786.8	1764.7	1776.7	1815.4	1883.5	1977.5	2078.8	2091.7	2167.2
25°	2047.5	2082.5	2025.3	2005.1	2021.7	2092.6	2210.5	2338.5	2353.2	2414.0
27.5°	2608.4	2563.2	2476.7	2391.9	2342.2	2382.7	2515.3	2673.8	2692.2	2751.1
30°	3224.5	3184.9	3068.0	2880.1	2762.2	2755.7	2878.2	3055.1	3076.2	3132.4
32.5°	3841.6	3803.9	3676.8	3445.6	3241.1	3139.8	3224.5	3420.7	3431.8	3467.7
35°	4448.6	4409.9	4282.8	4046.1	3794.6	3564.4	3547.8	3768.9	3772.5	3810.3
37.5°	5059.2	5027.0	4891.6	4659.5	4411.7	4094.0	3940.2	4098.6	4103.2	4140.0
40°	5494.9	5508.7	5415.7	5236.1	5023.3	4676.1	4380.4	4449.5	4421.9	4483.6
42.5°	5868.8	5896.4	5815.4	5725.1	5601.7	5295.9	4925.7	4913.7	4869.5	4902.6
45°	6192.1	6215.1	6142.4	6121.2	6118.4	5903.8	5521.6	5449.7	5388.0	5381.6
47.5°	6310.9	6355.1	6386.4	6457.3	6595.5	6505.2	6137.7	6026.3	5957.2	5906.6
50°	6356.0	6403.0	6509.8	6716.2	7043.1	7081.8	6751.2	6625.9	6541.2	6449.1
52.5°	6295.2	6379.1	6522.7	6870.0	7344.3	7544.2	7339.7	7230.1	7133.4	6983.3
55°	5937.0	6020.8	6314.6	6868.1	7494.4	7868.4	7896.0	7847.2	7738.5	7501.8
57.5°	5181.7	5306.1	5771.2	6634.2	7491.7	8147.4	8441.2	8476.2	8354.7	8015.7
60°	4135.4	4304.0	4871.3	6115.6	7260.5	8298.5	8919.3	9094.3	8965.3	8522.3
62.5°	2885.6	3080.8	3617.8	5303.3	6731.8	8189.8	9268.3	9591.6	9494.0	8975.4
65°	1760.1	1822.7	2255.6	4173.2	5832.9	7734.8	9376.1	9860.6	9828.3	9252.7
67.5°	1172.5	1225.0	1349.3	2861.6	4527.8	6825.8	9118.2	9813.6	9822.8	9207.5
70°	706.4	751.6	832.6	1664.3	2934.4	5402.8	8319.7	9214.9	9268.3	8604.3
72.5°	291.0	321.4	395.1	754.3	1519.7	3429.0	6625.0	7911.7	8036.0	7234.7
75°	164.9	180.5	232.1	378.5	659.5	1598.0	4012.9	5616.4	5799.7	4986.5
77.5°	109.6	117.0	150.1	245.0	371.2	545.3	1715.0	2926.1	3276.1	2723.5
80°	73.7	80.1	103.2	163.9	241.3	233.9	546.2	1084.1	1333.7	935.8
82.5°	49.7	50.7	73.7	107.8	152.9	113.3	161.2	337.1	423.7	270.8
85°	28.6	27.6	54.3	62.6	68.2	47.0	48.8	101.3	132.6	114.2
87.5°	3.7	5.5	21.2	16.6	9.2	10.1	10.1	17.5	25.8	27.6
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°
1598.0	0°	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0	1598.0
1599.8	2.5°	1599.8	1598.9	1596.1	1593.4	1586.9	1583.3	1585.1	1583.3	1582.3	1583.3
1611.8	5°	1611.8	1609.0	1601.7	1592.5	1579.6	1563.9	1553.8	1539.0	1525.2	1516.9
1644.0	7.5°	1644.0	1641.3	1631.1	1605.4	1563.9	1498.5	1438.7	1386.2	1346.5	1323.5
1695.6	10°	1695.6	1691.0	1675.4	1618.3	1509.6	1366.8	1248.0	1149.4	1085.0	1054.6
1756.4	12.5°	1756.4	1750.9	1723.2	1606.3	1406.4	1183.5	1019.6	910.0	850.1	823.4
1826.4	15°	1828.2	1820.9	1766.5	1549.2	1256.3	980.9	830.8	748.8	710.1	686.2
1915.7	17.5°	1917.6	1904.7	1798.8	1463.5	1093.3	826.2	714.7	653.0	618.9	595.9
2032.7	20°	2033.6	2012.5	1824.6	1361.3	943.1	728.5	636.4	584.9	559.1	538.8
2198.5	22.5°	2195.7	2165.3	1855.9	1250.8	837.2	661.3	578.4	540.6	519.5	496.4
2429.7	25°	2396.5	2360.6	1894.6	1148.5	764.5	603.3	536.0	504.7	479.9	453.1
2732.7	27.5°	2677.4	2613.0	1940.6	1064.7	701.8	553.5	497.4	462.4	433.8	411.7
3076.2	30°	2990.6	2884.7	1981.1	1014.1	644.7	507.5	446.7	411.7	385.0	369.3
3384.8	32.5°	3287.2	3143.5	2007.8	992.0	593.1	455.0	391.4	353.7	333.4	328.8
3686.9	35°	3567.2	3377.4	2005.1	970.8	547.1	402.5	337.1	298.4	282.8	285.5
4012.0	37.5°	3889.5	3627.0	1985.7	937.6	509.3	354.6	290.1	256.0	242.2	243.2
4407.1	40°	4264.4	3915.3	1973.8	875.0	467.9	310.4	251.4	223.8	213.7	210.0
4823.4	42.5°	4664.1	4194.4	1975.6	804.1	416.3	270.8	224.7	201.7	192.5	189.7
5286.7	45°	5065.7	4460.6	1978.4	730.4	362.0	240.4	205.4	186.0	180.5	176.8
5756.4	47.5°	5443.3	4687.1	1926.8	651.2	308.5	217.4	189.7	176.8	172.2	167.6
6228.0	50°	5795.1	4838.2	1802.5	559.1	266.2	198.9	177.8	168.5	163.9	159.3
6655.4	52.5°	6068.7	4862.1	1597.1	464.2	236.7	185.1	170.4	162.1	156.6	152.0
7000.8	55°	6190.2	4712.0	1305.1	375.8	213.7	173.2	163.0	154.7	148.3	143.7
7272.5	57.5°	6158.9	4396.1	1017.7	302.1	191.6	161.2	153.8	148.3	140.9	133.5
7492.6	60°	6005.1	3973.3	767.2	251.4	171.3	148.3	143.7	139.1	128.9	117.9
7577.3	62.5°	5738.9	3441.9	547.1	208.2	149.2	133.5	131.7	128.0	113.3	93.0
7452.1	65°	5331.8	2796.2	368.4	173.2	128.0	117.0	117.9	111.4	92.1	69.1
6993.4	67.5°	4736.9	2044.7	235.8	141.8	106.8	97.6	98.6	94.9	78.3	58.9
6123.9	70°	3978.9	1353.9	153.8	107.8	85.7	75.5	81.1	82.0	66.3	47.9
4700.0	72.5°	2916.9	799.5	107.8	80.1	62.6	52.5	66.3	68.2	53.4	35.9
2827.6	75°	1662.5	379.5	81.1	58.0	38.7	36.8	51.6	51.6	36.8	23.9
1224.0	77.5°	698.1	158.4	57.1	37.8	22.1	21.2	35.0	32.2	18.4	11.1
298.4	80°	201.7	70.9	30.4	18.4	9.2	8.3	13.8	10.1	4.6	1.8
113.3	82.5°	79.2	31.3	12.0	7.4	3.7	3.7	1.8	0.0	0.0	0.0
64.5	85°	47.0	12.9	5.5	2.8	0.9	0.0	0.0	0.0	0.0	0.0
13.8	87.5°	12.0	2.8	1.8	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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1598.0
1586.9
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535.1
492.8
450.4
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366.6
331.6
285.5
246.8
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167.6
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151.0
142.8
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