

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: P847515

Luminaire Tested: **GLAN-SB3C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10567 lumens
Efficiency: N/A
Efficacy: 70.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

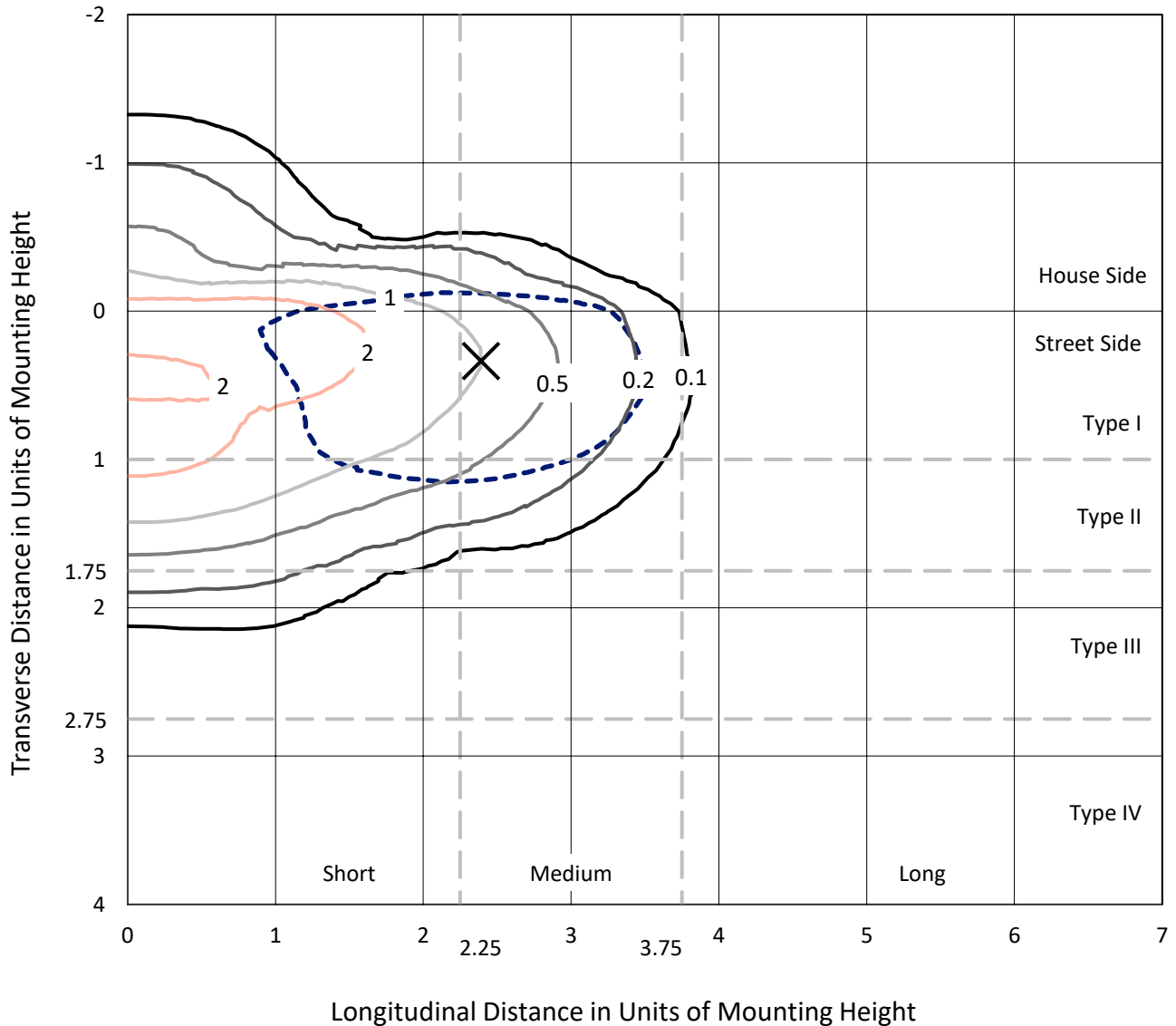
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

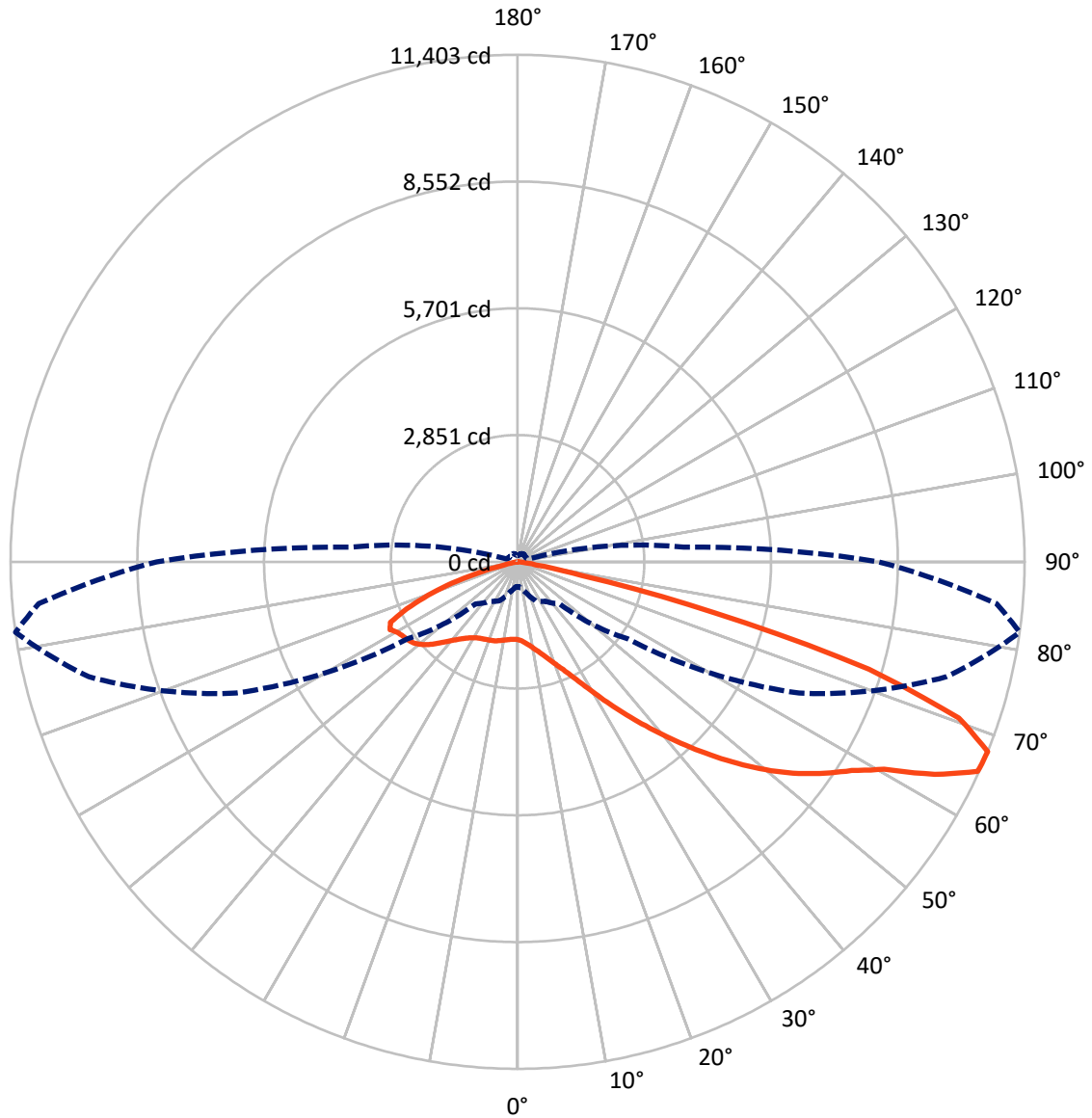
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1914.1	0.0	1914.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8652.9	0.0	8652.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	10567.0	0.0	10567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.0	1.5
10°-20°	405.3	3.8
20°-30°	649.1	6.1
30°-40°	1147.9	10.9
40°-50°	2011.2	19.0
50°-60°	2682.4	25.4
60°-70°	2497.2	23.6
70°-80°	958.4	9.1
80°-90°	59.5	0.6
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°	10567.0	100.0
0°-180°	10567.0	100.0

Coefficient of Utilization

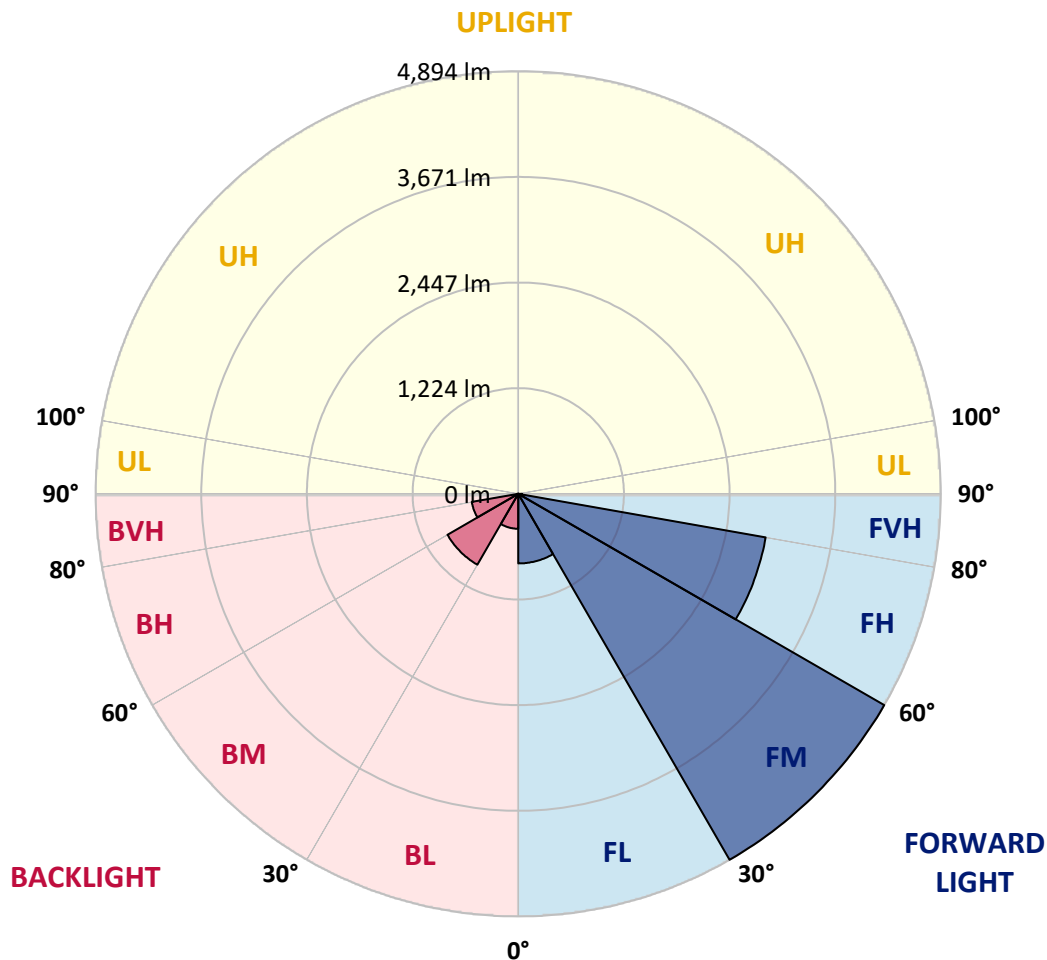


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.1	7.6			
FM (30°-60°)	4894.2	46.3			
FH (60°-80°)	2909.3	27.5			G2/5000
FVH (80°-90°)	43.3	0.4			G1/100
BL (0°-30°)	404.3	3.8	B1/500		
BM (30°-60°)	947.3	9.0	B1/1000		
BH (60°-80°)	546.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6
2.5°	1850.3	1860.9	1854.8	1851.8	1846.5	1838.8	1832.8	1813.7	1794.0	1781.0
5°	1887.5	1898.2	1897.4	1900.5	1904.3	1906.6	1905.0	1883.7	1855.6	1833.5
7.5°	1855.6	1867.8	1877.6	1892.9	1919.5	1947.6	1961.3	1956.8	1927.9	1897.4
10°	1765.0	1778.0	1801.6	1837.3	1893.6	1954.5	2005.5	2029.0	2010.8	1977.3
12.5°	1599.2	1612.1	1658.5	1736.1	1830.5	1936.2	2033.6	2096.8	2101.3	2067.8
15°	1412.8	1425.7	1475.2	1572.6	1716.4	1886.0	2048.8	2168.3	2208.6	2179.7
17.5°	1297.2	1308.6	1345.9	1424.2	1574.1	1785.6	2043.5	2244.4	2336.4	2313.6
20°	1262.2	1272.1	1289.6	1344.3	1469.1	1681.4	2008.5	2315.9	2474.1	2461.2
22.5°	1299.4	1308.6	1313.9	1338.2	1416.6	1612.9	1964.4	2388.9	2633.9	2635.4
25°	1385.4	1394.5	1388.5	1403.7	1437.9	1591.6	1947.6	2474.9	2834.7	2851.5
27.5°	1526.9	1527.7	1513.2	1512.5	1517.8	1623.5	1965.1	2566.9	3088.1	3119.3
30°	1810.7	1799.3	1743.7	1683.6	1656.3	1719.4	2013.8	2675.7	3387.1	3442.6
32.5°	2248.2	2231.4	2129.5	1985.7	1841.1	1873.8	2101.3	2799.7	3712.7	3813.1
35°	2722.9	2718.3	2611.8	2398.0	2145.4	2093.7	2243.6	2962.5	4068.0	4227.7
37.5°	3164.2	3161.9	3101.0	2849.2	2541.8	2400.3	2471.8	3175.6	4448.4	4679.7
40°	3567.4	3574.2	3513.4	3288.2	2978.5	2793.6	2782.2	3438.8	4871.4	5171.9
42.5°	3915.8	3923.4	3861.8	3695.2	3409.9	3228.8	3163.4	3761.4	5284.5	5700.7
45°	4152.4	4199.6	4190.5	4057.3	3852.7	3664.8	3621.4	4166.1	5755.4	6261.4
47.5°	4219.4	4262.7	4331.2	4349.5	4224.7	4039.8	4091.6	4653.8	6231.7	6822.8
50°	4054.3	4094.6	4236.9	4426.3	4513.0	4456.0	4548.8	5176.5	6719.4	7382.8
52.5°	3728.7	3769.7	3949.3	4249.1	4602.8	4782.4	5007.6	5691.5	7191.8	7913.1
55°	3257.7	3301.1	3531.6	3870.9	4431.6	4917.0	5390.2	6205.8	7624.7	8390.1
57.5°	2617.1	2649.1	2888.7	3363.5	4001.0	4783.1	5672.5	6767.3	8032.5	8858.7
60°	1705.7	1733.9	2012.3	2541.8	3287.4	4335.8	5728.8	7393.4	8574.2	9468.1
62.5°	1134.3	1153.4	1318.5	1707.2	2315.1	3476.8	5399.4	7893.3	9368.5	10528.7
65°	778.3	797.3	962.4	1233.3	1495.7	2299.9	4452.2	7827.1	10088.2	11370.9
67.5°	555.4	571.4	711.3	967.0	1082.6	1336.0	3018.1	6981.1	9984.7	11402.8
70°	397.9	407.0	522.7	753.2	860.5	802.6	1678.3	5339.3	8742.3	10529.4
72.5°	278.5	281.5	362.9	573.6	693.1	585.8	798.8	3559.8	6612.1	8264.5
75°	188.7	192.5	244.2	420.7	556.1	447.3	423.0	1908.8	3881.6	4574.7
77.5°	115.6	117.2	157.5	287.6	416.2	340.8	272.4	808.7	1501.8	1474.4
80°	65.4	65.4	100.4	178.8	283.8	219.9	191.0	343.9	475.5	417.7
82.5°	36.5	37.3	73.0	111.1	187.9	130.1	105.0	159.0	205.4	181.8
85°	15.2	16.7	44.9	52.5	89.8	64.7	42.6	67.0	76.1	67.7
87.5°	1.5	2.3	13.7	9.9	10.7	12.9	6.1	12.9	10.7	10.7
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°
1750.6	0°	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6	1750.6
1776.5	2.5°	1762.0	1750.6	1721.7	1688.2	1644.1	1622.8	1593.9	1574.1	1557.4	1558.9
1820.6	5°	1796.2	1767.3	1702.7	1622.0	1521.6	1450.1	1374.0	1321.5	1278.9	1269.8
1881.5	7.5°	1843.4	1797.8	1684.4	1539.1	1369.4	1240.9	1126.0	1052.2	999.7	982.9
1955.2	10°	1904.3	1838.1	1660.8	1434.9	1190.6	1027.1	903.8	846.0	810.2	798.1
2042.0	12.5°	1975.0	1884.5	1629.6	1307.8	1006.5	849.0	770.7	741.8	730.4	726.6
2148.5	15°	2064.0	1942.3	1582.5	1157.2	850.6	740.3	706.8	703.0	704.5	703.0
2276.3	17.5°	2169.8	2005.5	1505.6	1002.0	745.6	684.7	672.5	675.6	679.4	678.6
2419.3	20°	2285.4	2067.8	1407.5	864.3	674.1	645.2	638.3	641.4	644.4	642.9
2584.4	22.5°	2417.1	2134.8	1298.7	757.0	626.1	608.6	601.0	601.8	601.8	598.7
2793.6	25°	2574.5	2208.6	1184.6	680.9	589.6	575.9	566.8	563.8	559.2	550.1
3047.8	27.5°	2762.5	2287.0	1075.0	627.7	560.7	547.8	537.1	529.5	518.1	502.9
3352.8	30°	2974.0	2382.1	982.2	594.2	537.9	525.0	512.8	501.4	484.6	465.6
3703.6	32.5°	3222.7	2484.0	914.5	572.1	517.3	503.6	489.2	475.5	457.2	438.2
4097.7	35°	3519.4	2607.3	874.9	556.9	501.4	483.1	467.1	451.9	438.2	421.5
4526.0	37.5°	3841.3	2738.1	862.7	549.3	490.7	462.6	444.3	433.7	432.1	422.2
4989.3	40°	4193.5	2893.3	871.9	544.7	479.3	442.8	423.0	420.7	424.5	407.0
5484.6	42.5°	4566.3	3077.4	887.1	539.4	463.3	423.0	404.0	404.0	400.9	376.6
6008.0	45°	4969.5	3289.7	902.3	526.5	444.3	403.2	388.8	383.4	370.5	346.9
6534.5	47.5°	5375.8	3505.8	913.7	502.9	421.5	386.5	373.6	361.4	342.4	321.1
7051.1	50°	5761.5	3699.8	901.5	467.9	395.6	370.5	356.8	340.1	319.5	305.1
7540.3	52.5°	6106.2	3867.9	849.8	426.8	368.2	353.8	341.6	324.1	307.4	292.1
7981.5	55°	6405.9	4004.1	758.5	388.0	343.9	339.3	327.1	305.1	282.3	269.3
8419.0	57.5°	6693.5	4107.5	644.4	356.1	321.8	323.3	305.1	285.3	264.0	250.3
9008.6	60°	7076.2	4246.0	528.8	326.4	298.2	302.8	283.0	268.6	241.9	224.4
10019.7	62.5°	7687.9	4461.3	420.0	289.9	270.8	272.4	264.0	246.5	214.5	194.0
10769.1	65°	8173.2	4382.2	330.9	250.3	239.7	241.9	241.9	222.9	188.7	165.1
10809.4	67.5°	8118.5	3752.3	264.0	211.5	210.0	211.5	216.8	200.9	167.4	148.4
9986.2	70°	7478.6	2984.6	211.5	175.7	182.6	178.8	194.0	183.4	150.6	131.6
7741.9	72.5°	6102.4	2150.0	161.3	145.3	140.0	146.1	175.0	165.1	125.5	104.2
4100.7	75°	3565.9	1147.3	120.2	114.9	101.2	121.7	155.2	140.7	95.9	76.8
1256.8	77.5°	1161.0	400.2	88.3	84.4	75.3	98.1	132.4	118.7	78.4	60.9
368.2	80°	311.2	121.0	60.1	55.5	48.7	73.0	105.0	94.3	56.3	39.6
158.2	82.5°	124.8	51.0	35.0	31.2	26.6	50.2	82.9	76.1	41.8	25.1
49.5	85°	40.3	16.7	12.9	9.9	12.2	31.2	49.5	51.7	29.7	12.9
7.6	87.5°	5.3	2.3	2.3	3.0	2.3	5.3	15.2	14.5	8.4	1.5
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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1750.6
1543.7
1249.2
966.2
788.9
724.3
702.2
677.1
642.1
597.2
548.5
501.4
464.1
439.0
420.0
421.5
407.8
376.6
346.2
320.3
302.8
290.6
267.8
248.8
222.2
192.5
162.8
145.3
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58.6
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