

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: P852470

Luminaire Tested: **GLAN-SB4A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10853 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

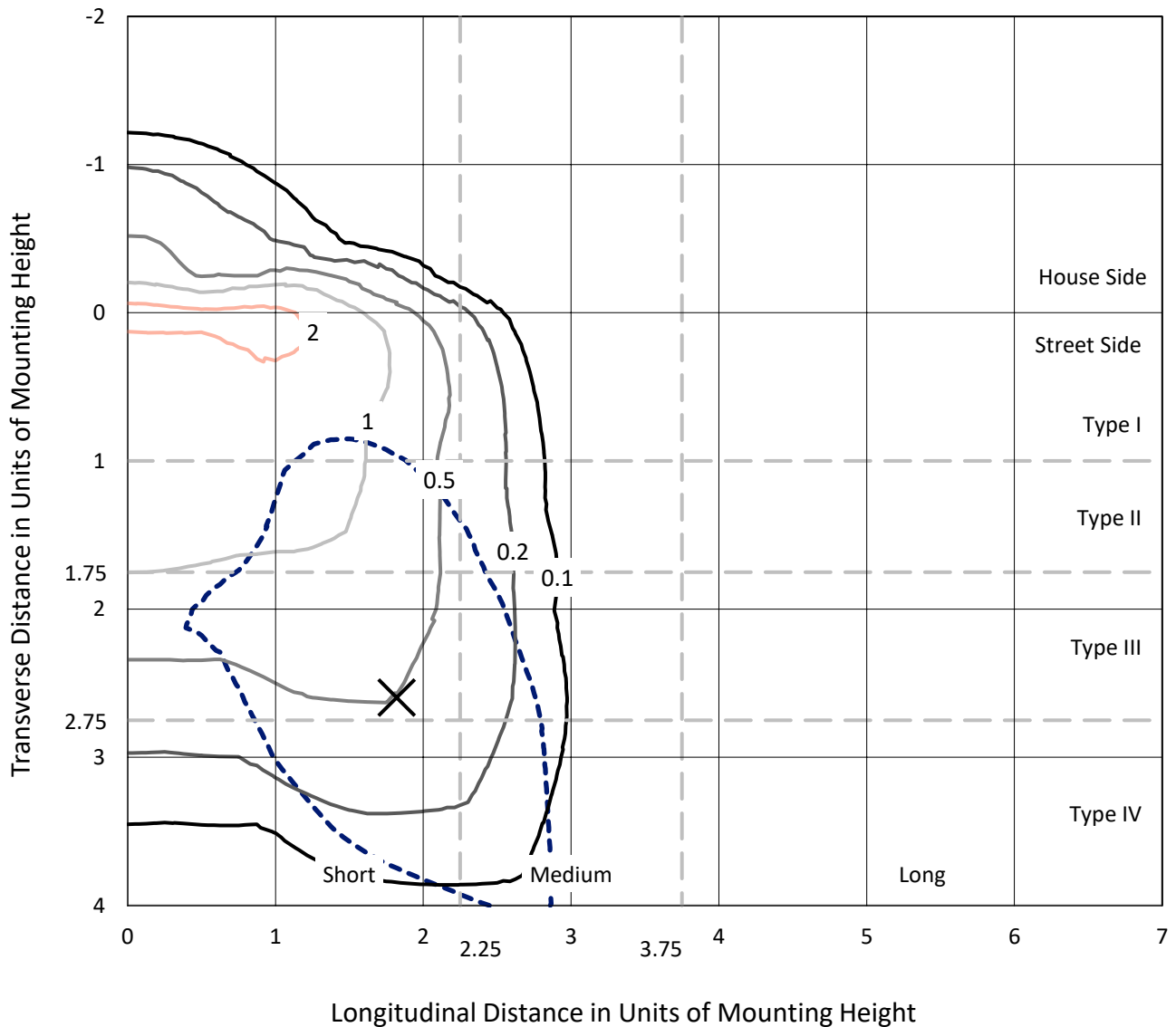
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

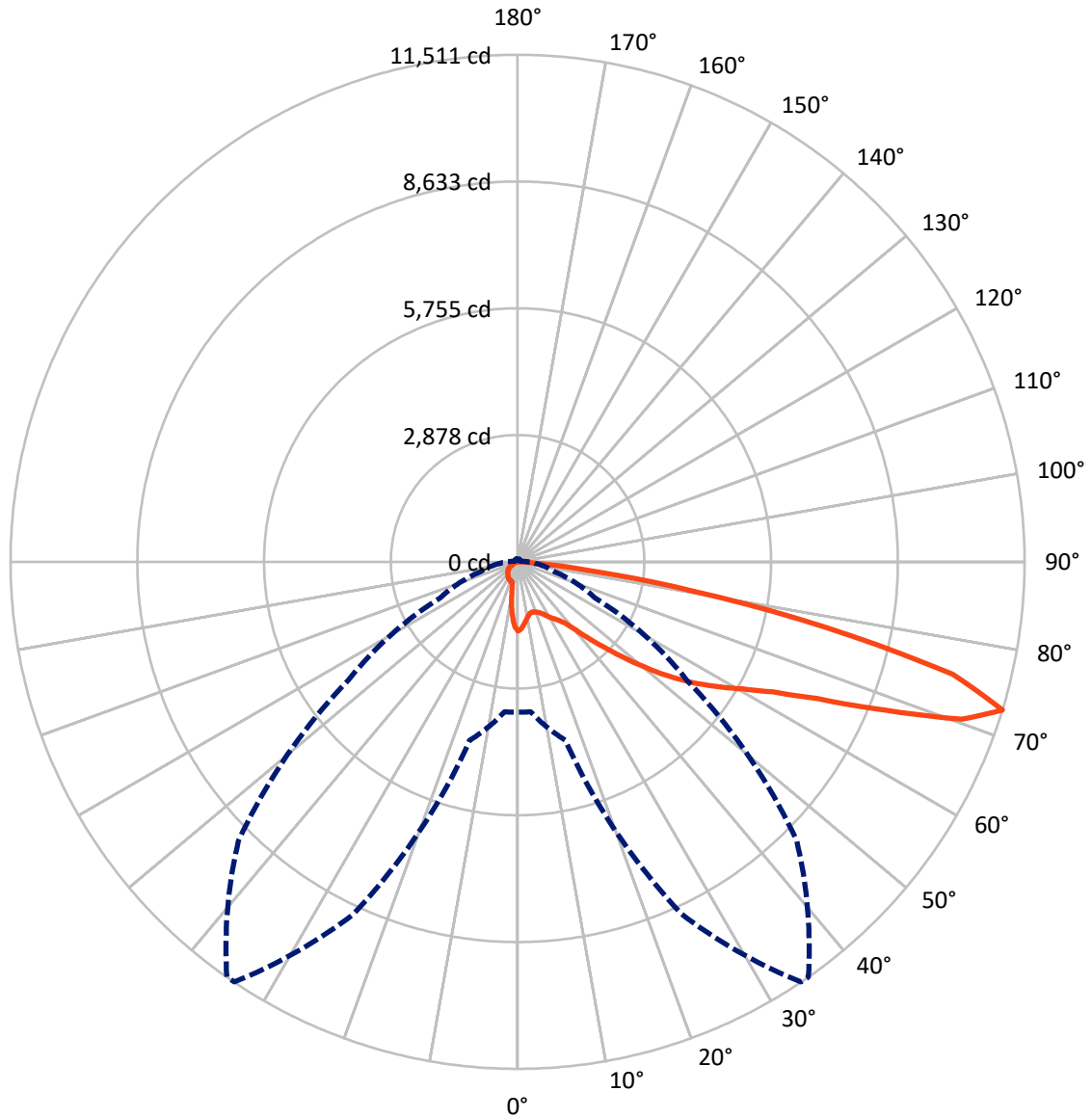
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1221.5	0.0	1221.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9631.5	0.0	9631.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	10853.0	0.0	10853.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.2
10°-20°	302.4	2.8
20°-30°	491.2	4.5
30°-40°	819.6	7.6
40°-50°	1550.7	14.3
50°-60°	2464.0	22.7
60°-70°	3048.1	28.1
70°-80°	1894.7	17.5
80°-90°	153.1	1.4
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°	10853.0	100.0
0°-180°	10853.0	100.0

Coefficient of Utilization

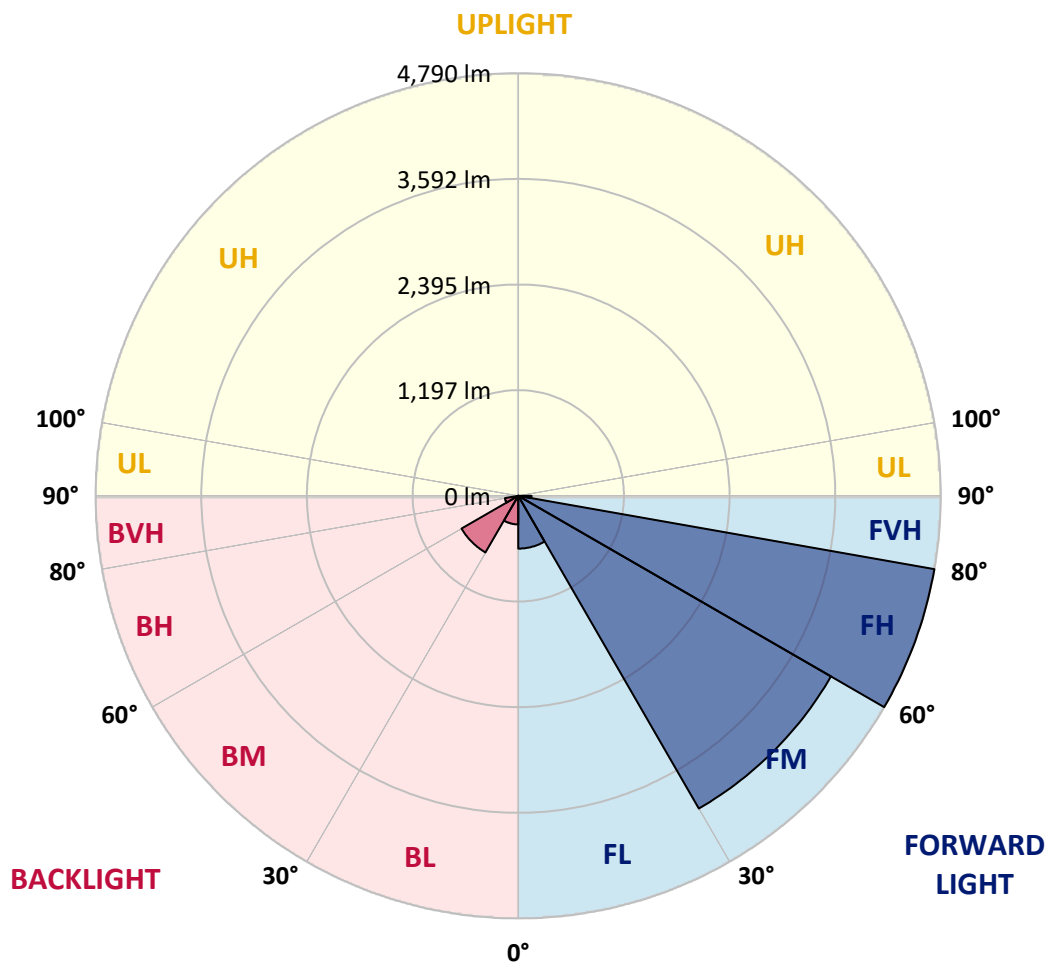


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.3	5.5			
FM (30°-60°)	4092.7	37.7			
FH (60°-80°)	4789.6	44.1			G2/5000
FVH (80°-90°)	151.0	1.4			G2/225
BL (0°-30°)	324.6	3.0	B1/500		
BM (30°-60°)	741.5	6.8	B1/1000		
BH (60°-80°)	153.3	1.4	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0
2.5°	1503.0	1515.7	1518.1	1522.1	1522.1	1526.8	1534.8	1545.9	1564.2	1573.8
5°	1385.3	1394.8	1406.8	1416.3	1434.6	1437.0	1468.0	1498.2	1540.4	1572.2
7.5°	1266.8	1277.9	1293.8	1316.9	1340.8	1347.9	1394.8	1445.7	1512.5	1572.2
10°	1183.3	1184.1	1198.4	1221.5	1259.6	1268.4	1325.6	1398.0	1481.5	1562.6
12.5°	1136.4	1141.9	1148.3	1165.8	1202.4	1208.0	1269.2	1354.3	1450.5	1557.1
15°	1136.4	1140.4	1144.3	1153.1	1182.5	1187.3	1241.4	1326.4	1434.6	1559.4
17.5°	1148.3	1154.7	1151.5	1161.8	1192.8	1196.0	1243.7	1318.5	1433.8	1574.6
20°	1176.9	1181.7	1175.3	1181.7	1212.7	1219.1	1268.4	1333.6	1447.3	1600.8
22.5°	1222.3	1224.7	1209.5	1214.3	1246.1	1254.1	1311.3	1376.5	1479.9	1642.9
25°	1279.5	1284.3	1261.2	1266.8	1297.0	1306.6	1372.6	1441.0	1531.6	1701.0
27.5°	1345.5	1347.9	1328.0	1327.2	1366.2	1379.7	1446.5	1520.5	1600.8	1774.2
30°	1421.1	1428.2	1409.1	1406.0	1455.3	1466.4	1532.4	1618.3	1702.6	1883.9
32.5°	1480.7	1486.3	1475.2	1483.1	1533.2	1541.9	1636.6	1756.7	1862.4	2039.8
35°	1566.6	1569.8	1544.3	1558.6	1615.9	1638.2	1778.9	1950.7	2063.6	2235.4
37.5°	1877.5	1877.5	1769.4	1698.6	1753.5	1773.4	1973.8	2194.8	2311.7	2497.8
40°	2307.8	2300.6	2142.3	1997.6	1990.5	2029.4	2251.3	2502.6	2632.2	2812.7
42.5°	2766.6	2755.5	2540.0	2396.8	2373.0	2386.5	2571.8	2881.9	3013.9	3196.8
45°	3173.8	3170.6	2973.4	2780.9	2738.0	2780.9	2971.8	3325.6	3420.3	3612.7
47.5°	3514.9	3514.9	3371.0	3245.3	3223.1	3248.5	3513.3	3817.9	3809.1	4055.7
50°	3907.8	3904.6	3767.8	3713.7	3736.8	3772.6	4136.8	4336.4	4211.5	4490.7
52.5°	4182.9	4202.0	4155.1	4146.3	4264.0	4326.0	4769.8	4843.7	4571.8	4903.4
55°	4400.8	4423.1	4477.1	4538.4	4765.0	4846.1	5382.9	5324.9	4873.2	5261.2
57.5°	4709.3	4677.5	4761.0	4881.9	5248.5	5346.3	5976.9	5778.9	5115.7	5551.5
60°	5083.9	5088.7	5103.0	5255.7	5731.2	5856.9	6562.2	6208.4	5271.6	5729.6
62.5°	5534.0	5541.2	5570.6	5805.2	6379.3	6497.8	7185.7	6559.8	5343.1	5679.5
65°	5503.0	5533.2	5861.6	6664.0	7364.6	7481.5	7913.3	6806.4	5235.0	5221.5
67.5°	5013.1	5062.4	5611.9	7689.9	8850.1	8980.5	8792.9	6854.9	4768.2	4060.4
70°	4370.6	4388.1	5048.9	8612.3	10570.2	10702.2	9580.1	6321.3	3618.3	2264.8
72.5°	3413.1	3417.1	4192.4	8826.3	11503.8	11510.9	8962.2	4692.6	1945.9	870.0
75°	2438.2	2414.3	2808.0	7157.9	10120.9	10202.0	6718.9	2201.2	743.5	411.1
77.5°	1307.4	1333.6	1588.9	4244.9	6991.7	7130.0	3666.0	634.6	378.5	279.9
80°	404.0	426.2	651.3	1943.5	3960.2	4043.7	1359.0	282.3	264.0	199.6
82.5°	127.2	132.0	303.8	816.7	1643.7	1681.9	393.6	159.8	180.5	132.0
85°	36.6	37.4	135.2	304.6	406.4	414.3	110.5	62.0	103.4	81.9
87.5°	4.0	12.7	50.9	50.9	35.8	35.0	11.9	13.5	29.4	10.3
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°
1573.0	0°	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0	1573.0
1580.1	2.5°	1576.1	1576.9	1566.6	1549.1	1530.0	1514.1	1494.2	1478.3	1467.2	1464.0
1594.4	5°	1587.3	1581.7	1552.3	1499.0	1435.4	1380.5	1319.3	1270.8	1239.0	1225.4
1609.5	7.5°	1604.0	1588.1	1523.7	1418.7	1297.0	1188.9	1079.1	994.0	940.0	912.9
1623.9	10°	1618.3	1586.5	1475.9	1302.6	1116.5	952.7	804.8	702.2	644.9	617.9
1640.6	12.5°	1631.8	1585.7	1413.9	1165.0	912.9	712.5	575.0	524.1	508.2	502.6
1667.6	15°	1657.3	1588.1	1336.0	1007.6	710.1	538.4	488.3	487.5	490.7	489.1
1708.9	17.5°	1692.2	1590.5	1247.7	840.6	547.9	474.8	472.4	479.5	484.3	481.9
1760.6	20°	1737.6	1600.0	1153.9	675.1	470.8	458.8	464.4	470.8	474.8	470.8
1829.8	22.5°	1801.2	1616.7	1051.3	542.3	446.1	449.3	454.1	461.2	465.2	459.6
1918.1	25°	1879.1	1642.9	950.3	471.6	434.2	438.2	445.3	453.3	458.1	452.5
2029.4	27.5°	1980.1	1685.1	857.3	455.7	422.3	424.7	435.0	446.9	453.3	446.1
2187.7	30°	2126.4	1754.3	776.9	462.8	415.1	409.5	423.9	440.6	447.7	441.4
2403.2	32.5°	2320.5	1852.1	727.6	474.0	411.9	392.0	405.6	427.0	439.0	435.0
2684.7	35°	2575.0	2000.8	708.5	486.7	409.5	373.8	383.3	406.4	427.0	431.0
3039.4	37.5°	2883.5	2207.6	714.1	492.2	402.4	358.6	363.4	383.3	410.3	423.1
3438.6	40°	3234.2	2448.5	745.9	486.7	394.4	345.9	346.7	361.8	385.7	404.8
3868.0	42.5°	3596.0	2730.0	804.8	466.0	387.3	334.8	332.4	342.7	358.6	372.2
4296.6	45°	3940.4	3019.5	862.8	437.4	378.5	323.7	318.1	322.1	325.2	330.8
4714.1	47.5°	4241.0	3223.1	846.1	411.1	366.6	310.9	301.4	299.8	290.3	289.5
5087.1	50°	4448.5	3267.6	751.5	384.9	349.1	296.6	281.5	272.0	255.3	247.3
5366.2	52.5°	4514.5	3091.9	613.9	358.6	320.5	277.5	256.1	241.0	220.3	213.1
5526.8	55°	4427.0	2747.5	490.7	326.8	280.7	252.1	228.2	208.4	191.7	182.9
5544.3	57.5°	4213.1	2309.3	388.1	289.5	238.6	223.5	199.6	179.7	165.4	156.7
5350.3	60°	3858.5	1833.8	307.0	244.9	203.6	192.4	167.8	155.1	142.3	132.0
4849.3	62.5°	3320.1	1308.9	241.0	194.0	170.2	157.5	143.1	133.6	118.5	104.2
3948.3	65°	2590.9	800.8	186.1	142.3	136.8	130.4	121.7	112.9	94.6	80.3
2575.7	67.5°	1634.2	379.3	132.8	107.4	108.2	105.0	101.0	93.8	80.3	67.6
1153.9	70°	719.7	183.7	87.5	81.9	80.3	80.3	83.5	81.1	68.4	56.5
400.8	72.5°	244.9	98.6	65.2	62.0	58.1	57.3	70.0	67.6	54.9	43.7
199.6	75°	128.0	66.0	47.7	44.5	35.0	42.1	55.7	52.5	39.0	28.6
132.0	77.5°	83.5	46.9	32.6	28.6	19.9	27.8	41.4	36.6	23.1	14.3
86.7	80°	52.5	31.0	19.1	13.5	9.5	15.1	22.3	15.9	8.7	3.2
50.9	82.5°	27.8	15.9	7.2	4.8	4.0	4.8	5.6	4.0	1.6	0.0
26.2	85°	11.1	5.6	2.4	1.6	0.8	0.0	1.6	0.8	0.0	0.0
4.8	87.5°	4.0	0.8	0.0	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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1573.0
1469.6
1230.2
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488.3
481.1
470.0
458.8
451.7
446.1
440.6
435.0
431.0
426.2
411.1
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334.0
288.7
248.1
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