

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: P852368

Luminaire Tested: **GLAN-SB3B-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852368
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-SB3B-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 450mA 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: 10199 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

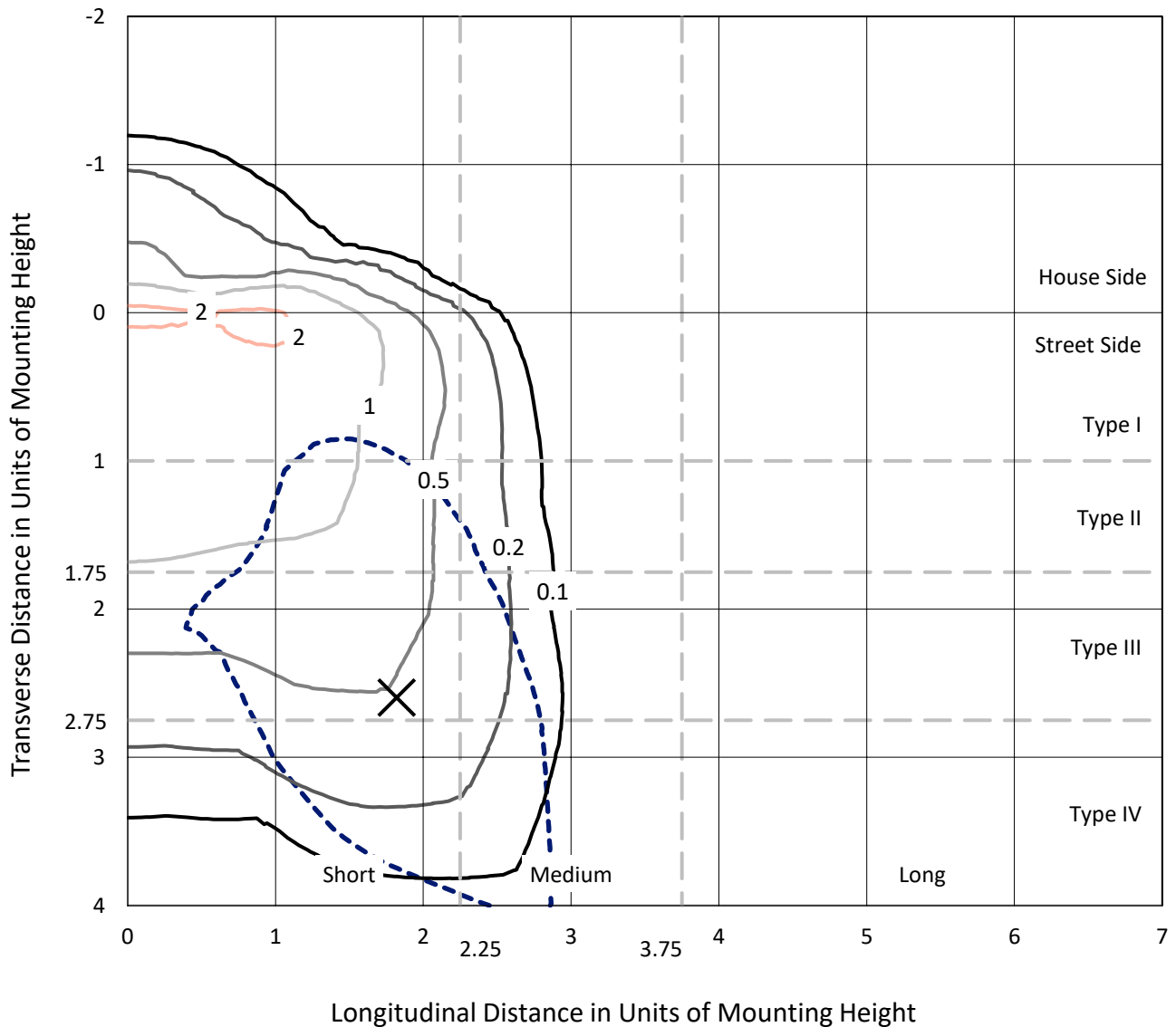
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

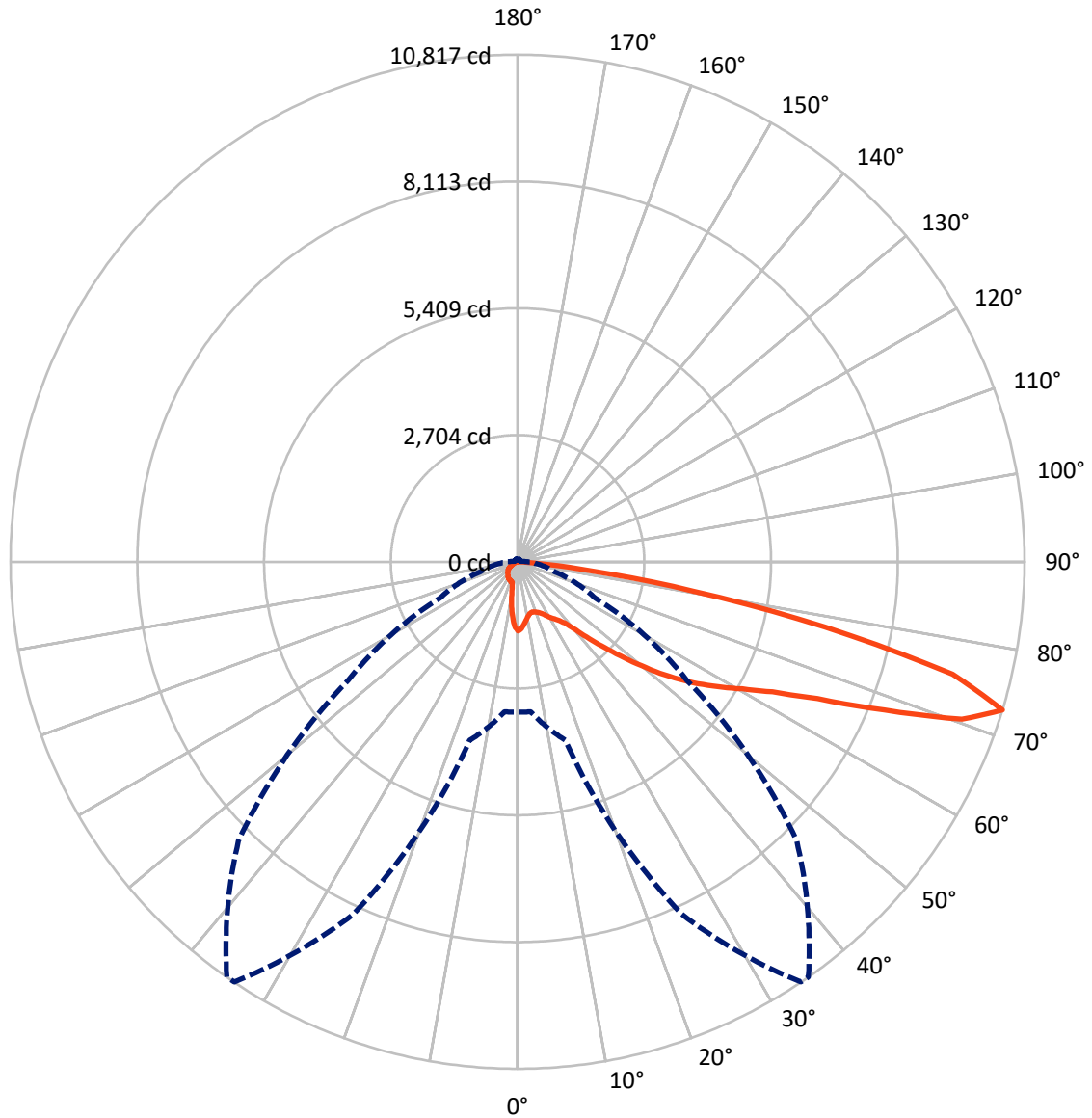
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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	1147.8	0.0	1147.8
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9051.2	0.0	9051.2
	% Fixture	88.7	0.0	88.7
Total	Lumens	10199.0	0.0	10199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	1.2
10°-20°	284.2	2.8
20°-30°	461.6	4.5
30°-40°	770.2	7.6
40°-50°	1457.2	14.3
50°-60°	2315.5	22.7
60°-70°	2864.4	28.1
70°-80°	1780.6	17.5
80°-90°	143.9	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°	10199.0	100.0
0°-180°	10199.0	100.0

Coefficient of Utilization

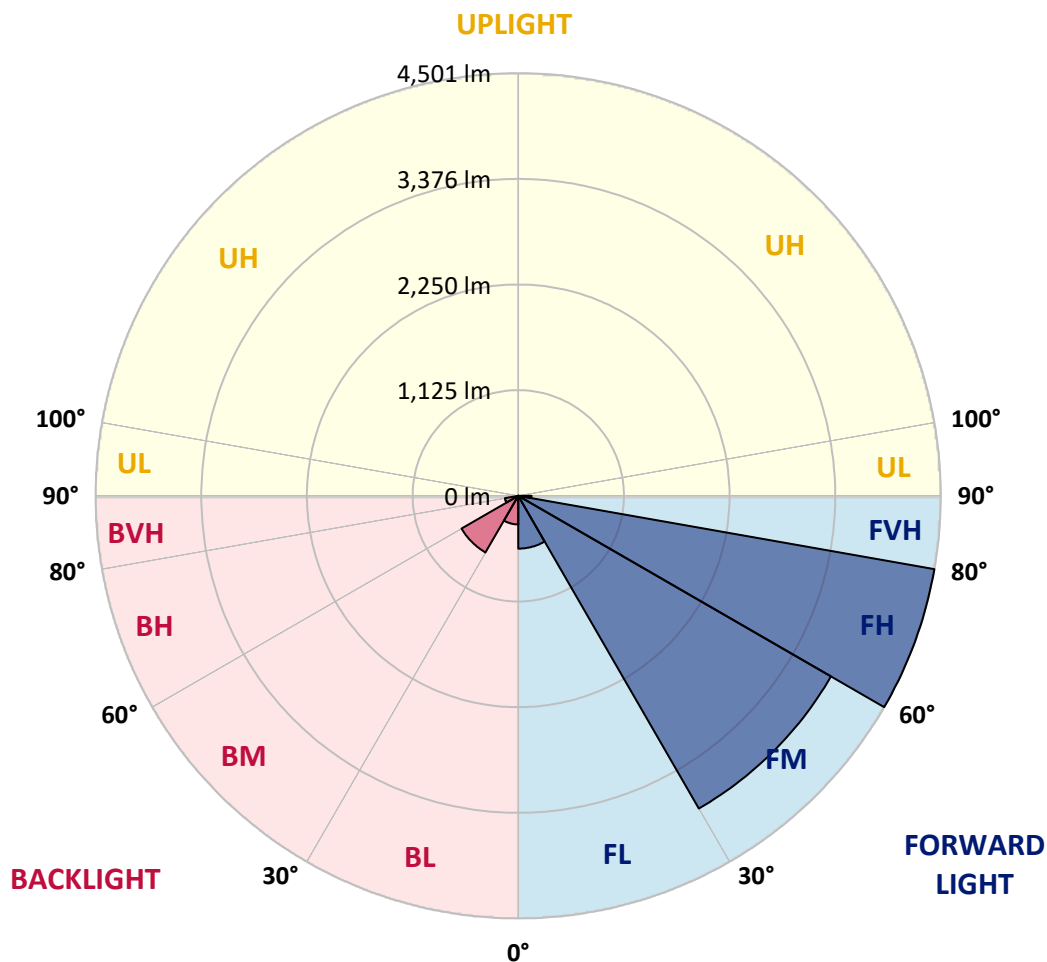


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.2	5.5			
FM (30°-60°)	3846.0	37.7			
FH (60°-80°)	4501.0	44.1			G2/5000
FVH (80°-90°)	141.9	1.4			G2/225
BL (0°-30°)	305.0	3.0	B1/500		
BM (30°-60°)	696.8	6.8	B1/1000		
BH (60°-80°)	144.0	1.4	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2
2.5°	1412.4	1424.4	1426.6	1430.3	1430.3	1434.8	1442.3	1452.8	1470.0	1478.9
5°	1301.8	1310.8	1322.0	1331.0	1348.1	1350.4	1379.5	1407.9	1447.5	1477.4
7.5°	1190.5	1200.9	1215.9	1237.5	1260.0	1266.7	1310.8	1358.6	1421.4	1477.4
10°	1112.0	1112.7	1126.2	1147.9	1183.7	1192.0	1245.8	1313.8	1392.2	1468.5
12.5°	1067.9	1073.1	1079.1	1095.6	1129.9	1135.2	1192.7	1272.7	1363.1	1463.2
15°	1067.9	1071.6	1075.4	1083.6	1111.2	1115.7	1166.5	1246.5	1348.1	1465.5
17.5°	1079.1	1085.1	1082.1	1091.8	1121.0	1124.0	1168.8	1239.0	1347.4	1479.7
20°	1106.0	1110.5	1104.5	1110.5	1139.6	1145.6	1192.0	1253.2	1360.1	1504.3
22.5°	1148.6	1150.9	1136.7	1141.1	1171.0	1178.5	1232.3	1293.6	1390.7	1543.9
25°	1202.4	1206.9	1185.2	1190.5	1218.9	1227.8	1289.9	1354.1	1439.3	1598.5
27.5°	1264.4	1266.7	1248.0	1247.3	1283.9	1296.6	1359.4	1428.9	1504.3	1667.2
30°	1335.4	1342.2	1324.2	1321.2	1367.6	1378.0	1440.1	1520.8	1600.0	1770.4
32.5°	1391.5	1396.7	1386.3	1393.7	1440.8	1449.0	1538.0	1650.8	1750.2	1916.8
35°	1472.2	1475.2	1451.3	1464.7	1518.5	1539.5	1671.7	1833.1	1939.3	2100.7
37.5°	1764.4	1764.4	1662.8	1596.3	1647.8	1666.5	1854.8	2062.6	2172.4	2347.3
40°	2168.7	2162.0	2013.3	1877.2	1870.5	1907.1	2115.6	2351.8	2473.6	2643.2
42.5°	2599.9	2589.4	2386.9	2252.4	2230.0	2242.7	2416.8	2708.2	2832.3	3004.2
45°	2982.5	2979.5	2794.2	2613.3	2573.0	2613.3	2792.7	3125.2	3214.2	3395.0
47.5°	3303.1	3303.1	3167.8	3049.8	3028.8	3052.8	3301.6	3587.8	3579.6	3811.3
50°	3672.3	3669.3	3540.7	3489.9	3511.6	3545.2	3887.5	4075.1	3957.7	4220.1
52.5°	3930.8	3948.8	3904.7	3896.5	4007.1	4065.4	4482.4	4551.9	4296.3	4607.9
55°	4135.6	4156.5	4207.3	4264.9	4477.9	4554.1	5058.5	5004.0	4579.5	4944.2
57.5°	4425.6	4395.7	4474.1	4587.7	4932.2	5024.2	5616.8	5430.7	4807.4	5217.0
60°	4777.5	4782.0	4795.5	4939.0	5385.9	5503.9	6166.8	5834.2	4953.9	5384.4
62.5°	5200.5	5207.2	5234.9	5455.4	5994.9	6106.3	6752.7	6164.6	5021.2	5337.3
65°	5171.4	5199.8	5508.4	6262.4	6920.8	7030.7	7436.5	6396.2	4919.5	4906.8
67.5°	4711.0	4757.4	5273.8	7226.5	8316.8	8439.4	8263.0	6441.8	4480.9	3815.8
70°	4107.2	4123.7	4744.7	8093.4	9933.2	10057.3	9002.8	5940.4	3400.3	2128.3
72.5°	3207.4	3211.2	3939.8	8294.4	10810.6	10817.3	8422.2	4409.9	1828.7	817.6
75°	2291.2	2268.8	2638.7	6726.5	9511.0	9587.2	6314.0	2068.6	698.7	386.4
77.5°	1228.6	1253.2	1493.1	3989.1	6570.3	6700.4	3445.1	596.4	355.7	263.1
80°	379.6	400.6	612.0	1826.4	3721.6	3800.1	1277.2	265.3	248.1	187.6
82.5°	119.6	124.1	285.5	767.5	1544.7	1580.6	369.9	150.2	169.6	124.1
85°	34.4	35.1	127.0	286.2	381.9	389.3	103.9	58.3	97.2	77.0
87.5°	3.7	12.0	47.8	47.8	33.6	32.9	11.2	12.7	27.7	9.7
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°
1478.2	0°	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2	1478.2
1484.9	2.5°	1481.2	1481.9	1472.2	1455.8	1437.8	1422.9	1404.2	1389.2	1378.8	1375.8
1498.4	5°	1491.6	1486.4	1458.7	1408.7	1348.9	1297.3	1239.8	1194.2	1164.3	1151.6
1512.6	7.5°	1507.3	1492.4	1431.8	1333.2	1218.9	1117.2	1014.1	934.1	883.3	857.9
1526.0	10°	1520.8	1490.9	1387.0	1224.1	1049.2	895.3	756.3	659.9	606.1	580.7
1541.7	12.5°	1533.5	1490.1	1328.7	1094.8	857.9	669.6	540.3	492.5	477.5	472.3
1567.1	15°	1557.4	1492.4	1255.5	946.8	667.3	505.9	458.8	458.1	461.1	459.6
1606.0	17.5°	1590.3	1494.6	1172.5	789.9	514.9	446.1	443.9	450.6	455.1	452.9
1654.5	20°	1632.9	1503.6	1084.3	634.5	442.4	431.2	436.4	442.4	446.1	442.4
1719.6	22.5°	1692.7	1519.3	987.9	509.7	419.2	422.2	426.7	433.4	437.2	431.9
1802.5	25°	1765.9	1543.9	893.0	443.2	408.0	411.8	418.5	426.0	430.4	425.2
1907.1	27.5°	1860.8	1583.5	805.6	428.2	396.8	399.1	408.8	420.0	426.0	419.2
2055.8	30°	1998.3	1648.6	730.1	434.9	390.1	384.9	398.3	414.0	420.7	414.8
2258.4	32.5°	2180.6	1740.5	683.8	445.4	387.1	368.4	381.1	401.3	412.5	408.8
2522.9	35°	2419.8	1880.2	665.9	457.4	384.9	351.2	360.2	381.9	401.3	405.0
2856.2	37.5°	2709.7	2074.5	671.1	462.6	378.1	337.0	341.5	360.2	385.6	397.6
3231.4	40°	3039.3	2301.0	701.0	457.4	370.7	325.1	325.8	340.0	362.4	380.4
3634.9	42.5°	3379.3	2565.5	756.3	437.9	363.9	314.6	312.4	322.1	337.0	349.7
4037.7	45°	3702.9	2837.5	810.8	411.0	355.7	304.2	298.9	302.7	305.6	310.9
4430.0	47.5°	3985.4	3028.8	795.1	386.4	344.5	292.2	283.2	281.7	272.8	272.0
4780.5	50°	4180.4	3070.7	706.2	361.7	328.1	278.7	264.5	255.6	239.9	232.4
5042.8	52.5°	4242.5	2905.5	576.9	337.0	301.2	260.8	240.6	226.4	207.0	200.3
5193.8	55°	4160.3	2582.0	461.1	307.1	263.8	236.9	214.5	195.8	180.1	171.9
5210.2	57.5°	3959.2	2170.2	364.7	272.0	224.2	210.0	187.6	168.9	155.4	147.2
5027.9	60°	3625.9	1723.3	288.5	230.2	191.3	180.8	157.7	145.7	133.8	124.1
4557.1	62.5°	3120.0	1230.1	226.4	182.3	159.9	148.0	134.5	125.5	111.3	97.9
3710.4	65°	2434.7	752.5	174.9	133.8	128.5	122.6	114.3	106.1	88.9	75.5
2420.5	67.5°	1535.7	356.5	124.8	100.9	101.6	98.6	94.9	88.2	75.5	63.5
1084.3	70°	676.3	172.6	82.2	77.0	75.5	75.5	78.5	76.2	64.3	53.1
376.6	72.5°	230.2	92.7	61.3	58.3	54.6	53.8	65.8	63.5	51.6	41.1
187.6	75°	120.3	62.0	44.8	41.8	32.9	39.6	52.3	49.3	36.6	26.9
124.1	77.5°	78.5	44.1	30.6	26.9	18.7	26.2	38.9	34.4	21.7	13.5
81.5	80°	49.3	29.1	17.9	12.7	9.0	14.2	20.9	14.9	8.2	3.0
47.8	82.5°	26.2	14.9	6.7	4.5	3.7	4.5	5.2	3.7	1.5	0.0
24.7	85°	10.5	5.2	2.2	1.5	0.7	0.0	1.5	0.7	0.0	0.0
4.5	87.5°	3.7	0.7	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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1478.2
1381.0
1156.1
861.6
581.4
470.8
458.8
452.1
441.7
431.2
424.5
419.2
414.0
408.8
405.0
400.6
386.4
355.0
313.9
271.3
233.2
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