

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: P847517

Luminaire Tested: **GLAN-SB3C-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847517
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-SB3C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA 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: 11349 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

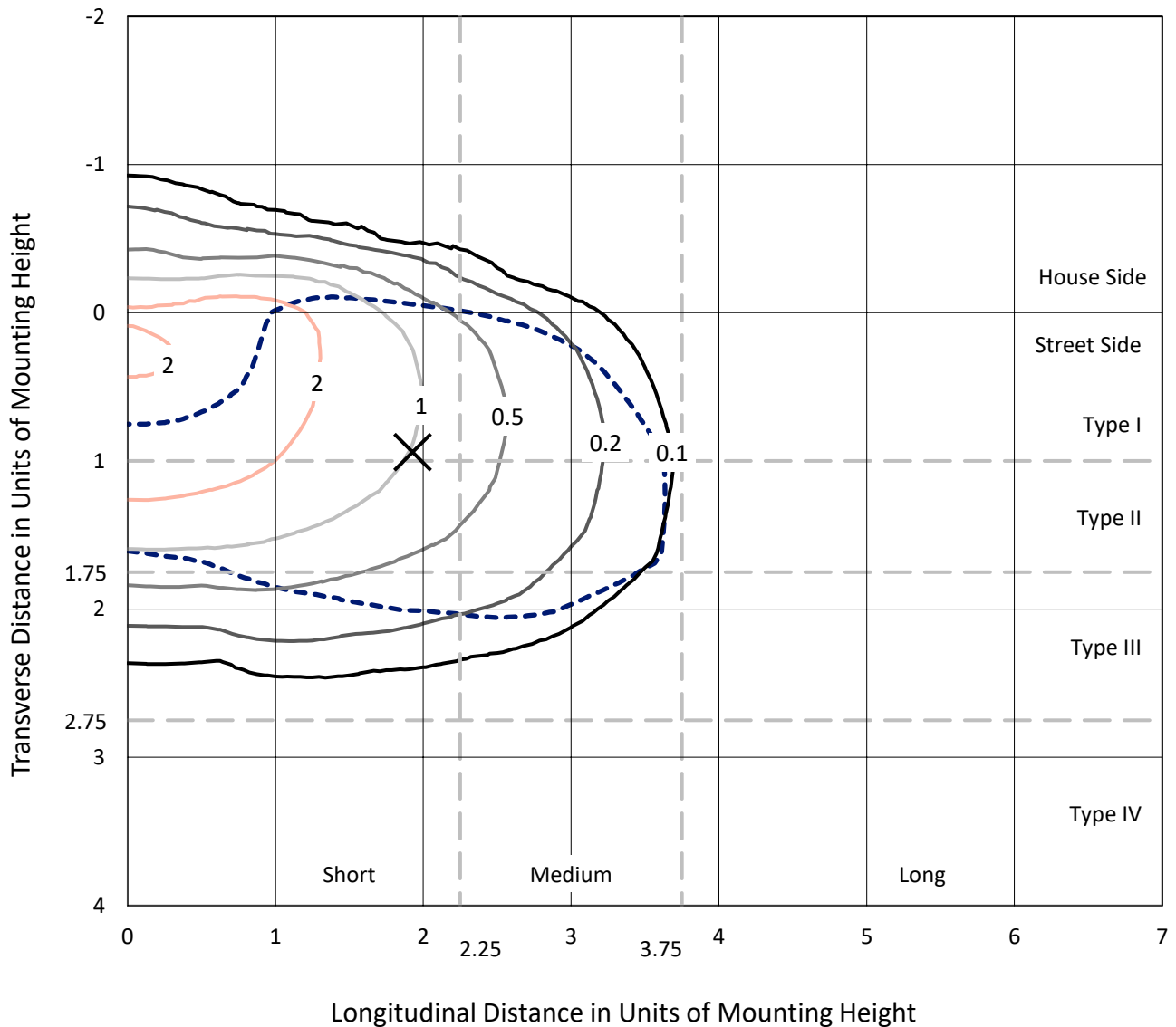
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

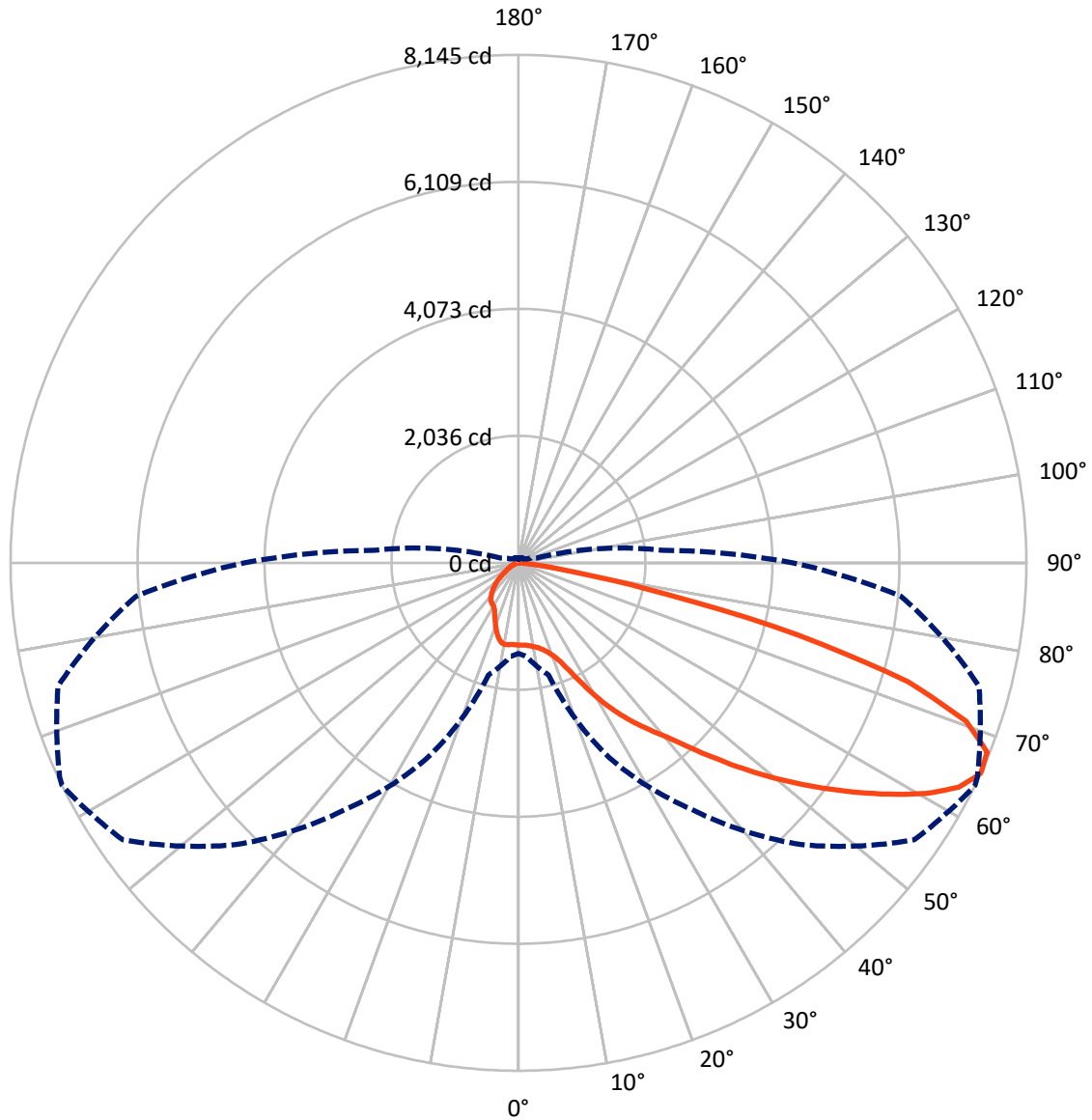
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1517.7	0.0	1517.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9831.3	0.0	9831.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	11349.0	0.0	11349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	1.1
10°-20°	330.3	2.9
20°-30°	625.9	5.5
30°-40°	1266.6	11.2
40°-50°	2157.6	19.0
50°-60°	2934.1	25.9
60°-70°	2755.3	24.3
70°-80°	1103.9	9.7
80°-90°	53.5	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°	11349.0	100.0
0°-180°	11349.0	100.0

Coefficient of Utilization

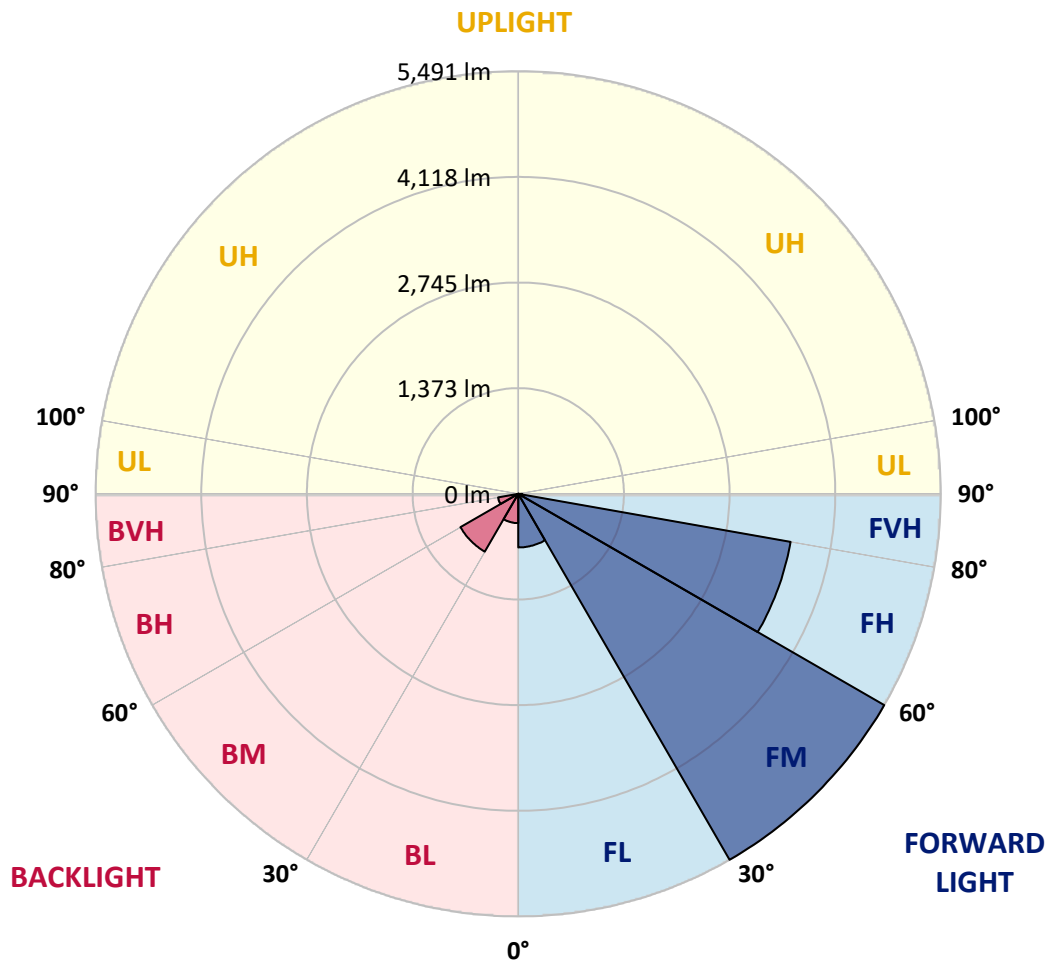


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	697.0	6.1			
FM (30°-60°)	5490.6	48.4			
FH (60°-80°)	3592.8	31.7			G2/5000
FVH (80°-90°)	50.9	0.4			G1/100
BL (0°-30°)	381.1	3.4	B1/500		
BM (30°-60°)	867.7	7.6	B1/1000		
BH (60°-80°)	266.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
2.5°	1315.4	1324.6	1322.3	1320.0	1319.2	1320.8	1321.5	1320.8	1320.8	1320.8
5°	1290.3	1297.9	1297.9	1303.3	1310.9	1320.0	1326.9	1328.4	1329.9	1332.2
7.5°	1242.4	1248.5	1253.1	1270.6	1289.6	1313.9	1334.5	1345.1	1346.6	1355.0
10°	1209.7	1217.3	1224.9	1243.2	1270.6	1307.1	1342.1	1367.9	1371.7	1391.5
12.5°	1208.2	1215.8	1225.7	1245.4	1277.4	1316.2	1358.8	1396.1	1402.9	1431.8
15°	1224.1	1233.3	1242.4	1266.7	1301.0	1348.2	1393.8	1440.2	1447.1	1488.1
17.5°	1256.9	1269.0	1275.9	1300.2	1336.7	1389.2	1449.3	1502.6	1508.7	1556.6
20°	1321.5	1336.0	1338.3	1358.0	1393.8	1450.1	1521.6	1587.8	1595.4	1650.2
22.5°	1455.4	1476.0	1457.7	1467.6	1499.6	1555.9	1633.5	1717.1	1727.8	1790.2
25°	1691.3	1720.2	1673.0	1656.3	1670.0	1728.6	1825.9	1931.7	1943.9	1994.1
27.5°	2154.6	2117.3	2045.8	1975.8	1934.7	1968.2	2077.8	2208.6	2223.8	2272.5
30°	2663.6	2630.9	2534.3	2379.1	2281.7	2276.3	2377.5	2523.6	2541.1	2587.5
32.5°	3173.3	3142.1	3037.2	2846.2	2677.3	2593.6	2663.6	2825.7	2834.8	2864.5
35°	3674.7	3642.8	3537.8	3342.2	3134.5	2944.3	2930.6	3113.2	3116.3	3147.5
37.5°	4179.1	4152.5	4040.7	3848.9	3644.3	3381.8	3254.7	3385.6	3389.4	3419.8
40°	4539.0	4550.4	4473.6	4325.2	4149.5	3862.6	3618.4	3675.5	3652.7	3703.6
42.5°	4847.9	4870.7	4803.8	4729.2	4627.3	4374.7	4068.8	4058.9	4022.4	4049.8
45°	5114.9	5134.0	5073.8	5056.3	5054.1	4876.8	4561.1	4501.7	4450.7	4445.4
47.5°	5213.1	5249.6	5275.5	5334.0	5448.2	5373.6	5070.0	4978.0	4920.9	4879.1
50°	5250.4	5289.2	5377.4	5547.8	5817.9	5849.9	5576.7	5473.3	5403.3	5327.2
52.5°	5200.1	5269.4	5388.1	5674.9	6066.7	6231.8	6062.9	5972.4	5892.5	5768.5
55°	4904.2	4973.4	5216.1	5673.4	6190.7	6499.6	6522.4	6482.1	6392.3	6196.8
57.5°	4280.3	4383.0	4767.2	5480.1	6188.4	6730.1	6972.8	7001.7	6901.3	6621.3
60°	3416.0	3555.3	4023.9	5051.8	5997.5	6854.9	7367.7	7512.2	7405.7	7039.8
62.5°	2383.6	2544.9	2988.5	4380.7	5560.8	6765.1	7656.0	7923.1	7842.4	7414.1
65°	1453.9	1505.6	1863.2	3447.2	4818.2	6389.3	7745.1	8145.2	8118.6	7643.1
67.5°	968.5	1011.9	1114.6	2363.8	3740.1	5638.4	7532.0	8106.4	8114.0	7605.8
70°	583.5	620.8	687.8	1374.8	2423.9	4462.9	6872.4	7611.9	7656.0	7107.5
72.5°	240.4	265.5	326.4	623.1	1255.3	2832.5	5472.5	6535.4	6638.1	5976.2
75°	136.2	149.1	191.7	312.7	544.7	1320.0	3314.9	4639.4	4790.8	4119.0
77.5°	90.5	96.6	124.0	202.4	306.6	450.4	1416.6	2417.1	2706.2	2249.7
80°	60.9	66.2	85.2	135.4	199.3	193.2	451.2	895.5	1101.7	773.0
82.5°	41.1	41.8	60.9	89.0	126.3	93.6	133.1	278.5	350.0	223.7
85°	23.6	22.8	44.9	51.7	56.3	38.8	40.3	83.7	109.6	94.3
87.5°	3.0	4.6	17.5	13.7	7.6	8.4	8.4	14.5	21.3	22.8
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°
1320.0	0°	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0	1320.0
1321.5	2.5°	1321.5	1320.8	1318.5	1316.2	1310.9	1307.8	1309.4	1307.8	1307.1	1307.8
1331.4	5°	1331.4	1329.1	1323.0	1315.4	1304.8	1291.9	1283.5	1271.3	1259.9	1253.1
1358.0	7.5°	1358.0	1355.8	1347.4	1326.1	1291.9	1237.8	1188.4	1145.0	1112.3	1093.3
1400.7	10°	1400.7	1396.8	1383.9	1336.7	1247.0	1129.0	1030.9	949.5	896.2	871.1
1450.9	12.5°	1450.9	1446.3	1423.5	1326.9	1161.8	977.6	842.2	751.7	702.2	680.2
1508.7	15°	1510.2	1504.1	1459.2	1279.7	1037.7	810.3	686.3	618.5	586.6	566.8
1582.5	17.5°	1584.0	1573.4	1485.9	1208.9	903.1	682.4	590.4	539.4	511.3	492.2
1679.1	20°	1679.9	1662.4	1507.2	1124.5	779.1	601.8	525.7	483.1	461.8	445.1
1816.1	22.5°	1813.8	1788.7	1533.0	1033.2	691.6	546.3	477.8	446.6	429.1	410.1
2007.0	25°	1979.6	1950.0	1565.0	948.7	631.5	498.3	442.8	416.9	396.4	374.3
2257.3	27.5°	2211.7	2158.4	1603.0	879.5	579.7	457.2	410.8	381.9	358.3	340.1
2541.1	30°	2470.4	2382.9	1636.5	837.7	532.6	419.2	369.0	340.1	318.0	305.1
2796.0	32.5°	2715.3	2596.6	1658.6	819.4	490.0	375.8	323.3	292.2	275.4	271.6
3045.5	35°	2946.6	2789.9	1656.3	801.9	451.9	332.5	278.5	246.5	233.6	235.9
3314.1	37.5°	3212.9	2996.1	1640.3	774.5	420.7	292.9	239.7	211.5	200.1	200.9
3640.5	40°	3522.6	3234.2	1630.4	722.8	386.5	256.4	207.7	184.9	176.5	173.5
3984.4	42.5°	3852.7	3464.7	1631.9	664.2	343.9	223.7	185.6	166.6	159.0	156.7
4367.1	45°	4184.5	3684.6	1634.2	603.3	299.0	198.6	169.7	153.7	149.1	146.1
4755.1	47.5°	4496.4	3871.8	1591.6	537.9	254.9	179.6	156.7	146.1	142.3	138.5
5144.6	50°	4787.0	3996.5	1488.9	461.8	219.9	164.3	146.8	139.2	135.4	131.6
5497.6	52.5°	5013.0	4016.3	1319.2	383.4	195.5	152.9	140.7	133.9	129.3	125.5
5782.9	55°	5113.4	3892.3	1078.1	310.4	176.5	143.0	134.7	127.8	122.5	118.7
6007.4	57.5°	5087.5	3631.3	840.7	249.5	158.2	133.1	127.1	122.5	116.4	110.3
6189.2	60°	4960.5	3282.1	633.8	207.7	141.5	122.5	118.7	114.9	106.5	97.4
6259.2	62.5°	4740.6	2843.1	451.9	171.9	123.3	110.3	108.8	105.8	93.6	76.8
6155.7	65°	4404.3	2309.8	304.3	143.0	105.8	96.6	97.4	92.1	76.1	57.1
5776.8	67.5°	3912.8	1689.0	194.8	117.2	88.3	80.6	81.4	78.4	64.7	48.7
5058.6	70°	3286.7	1118.4	127.1	89.0	70.8	62.4	67.0	67.7	54.8	39.6
3882.4	72.5°	2409.5	660.4	89.0	66.2	51.7	43.4	54.8	56.3	44.1	29.7
2335.7	75°	1373.3	313.5	67.0	47.9	32.0	30.4	42.6	42.6	30.4	19.8
1011.1	77.5°	576.7	130.9	47.2	31.2	18.3	17.5	28.9	26.6	15.2	9.1
246.5	80°	166.6	58.6	25.1	15.2	7.6	6.8	11.4	8.4	3.8	1.5
93.6	82.5°	65.4	25.9	9.9	6.1	3.0	3.0	1.5	0.0	0.0	0.0
53.3	85°	38.8	10.7	4.6	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.4	87.5°	9.9	2.3	1.5	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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1320.0
1310.9
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677.9
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442.0
407.0
372.0
336.3
302.8
273.9
235.9
203.9
172.7
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146.1
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131.6
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117.9
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