

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: P847087

Luminaire Tested: **GLAN-SB3A-735-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847087
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-SB3A-735-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 10358 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

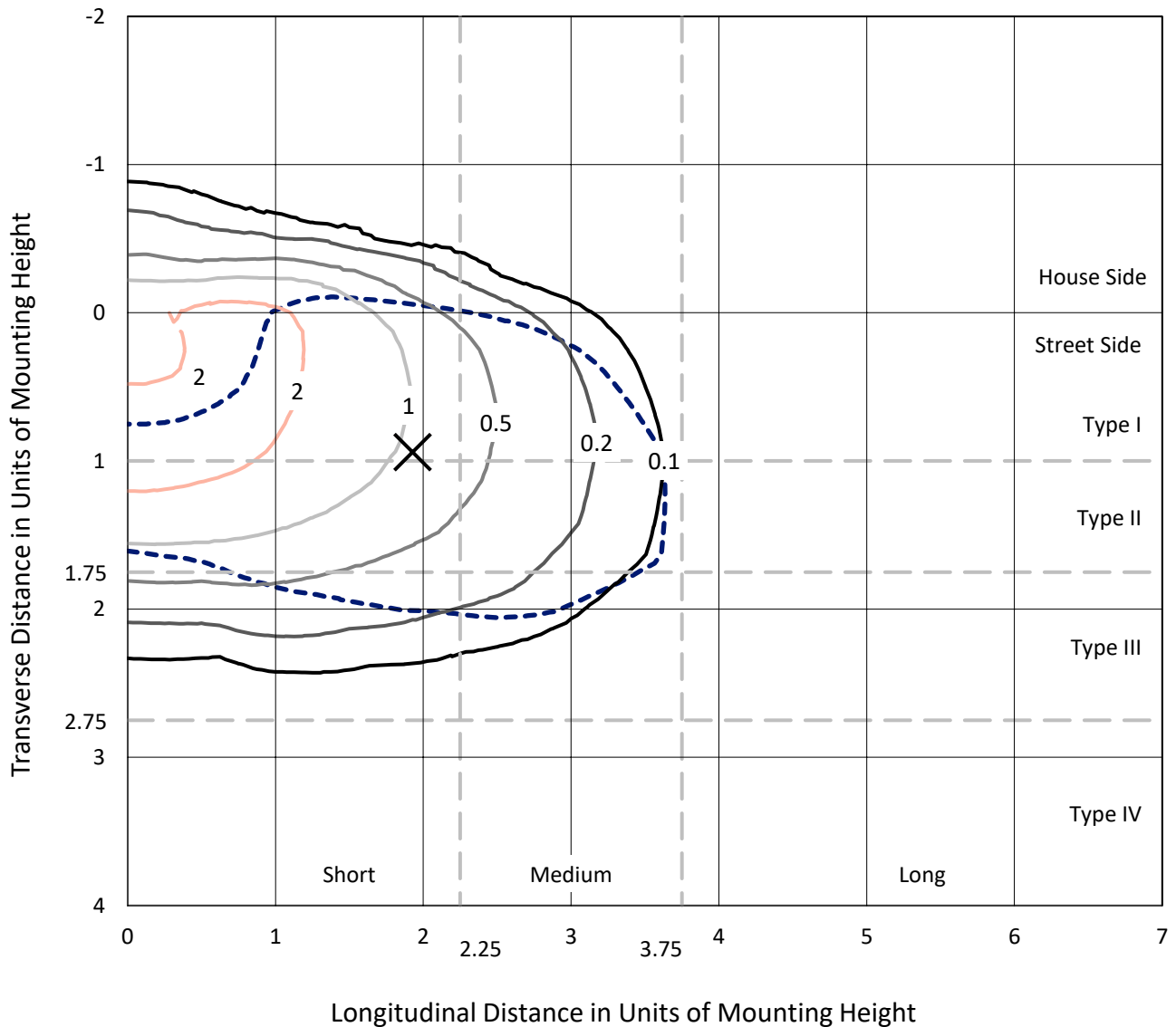
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

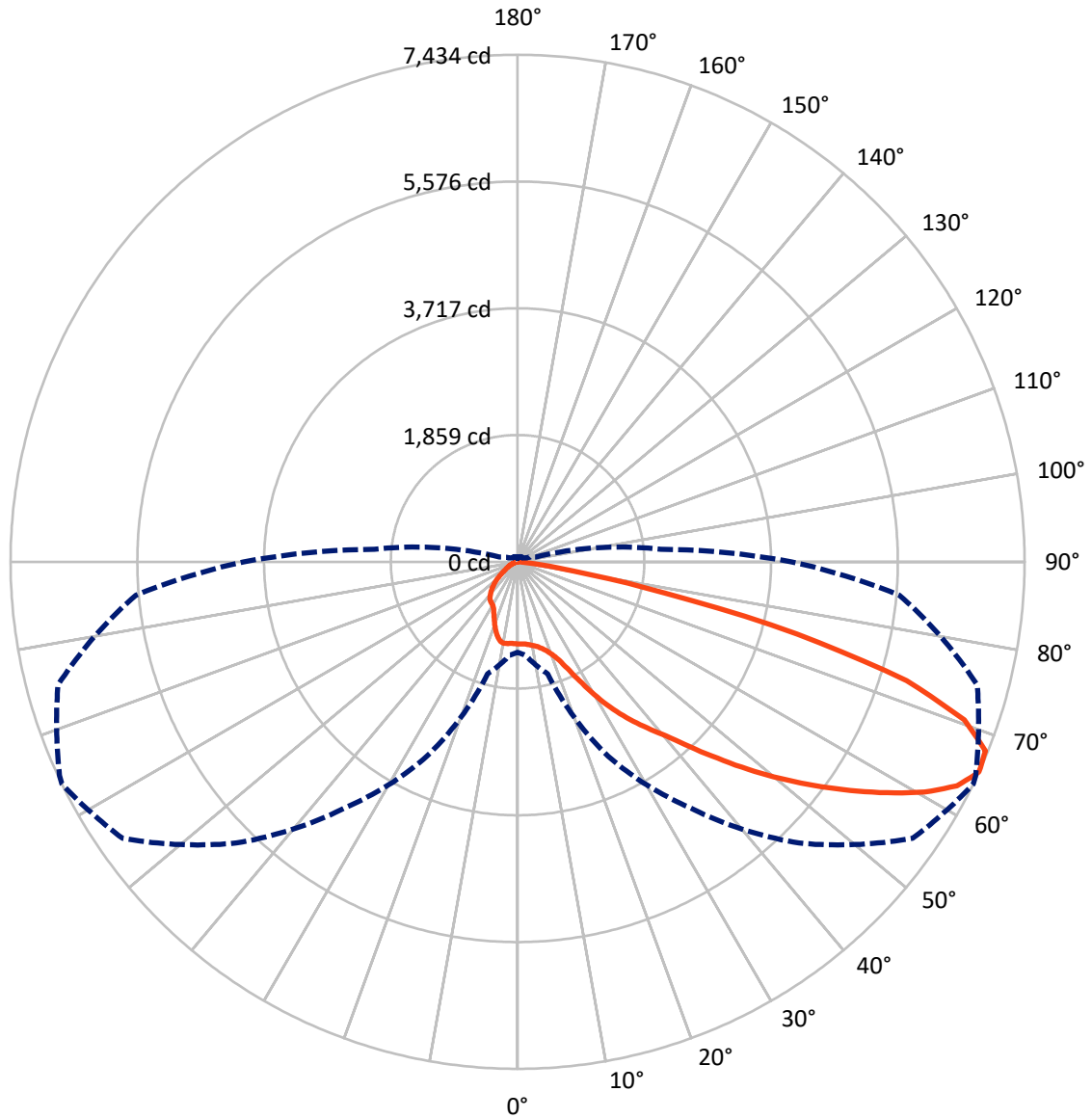
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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	1385.2	0.0	1385.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	8972.8	0.0	8972.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	10358.0	0.0	10358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	1.1
10°-20°	301.5	2.9
20°-30°	571.3	5.5
30°-40°	1156.0	11.2
40°-50°	1969.2	19.0
50°-60°	2677.9	25.9
60°-70°	2514.7	24.3
70°-80°	1007.5	9.7
80°-90°	48.8	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°	10358.0	100.0
0°-180°	10358.0	100.0

Coefficient of Utilization



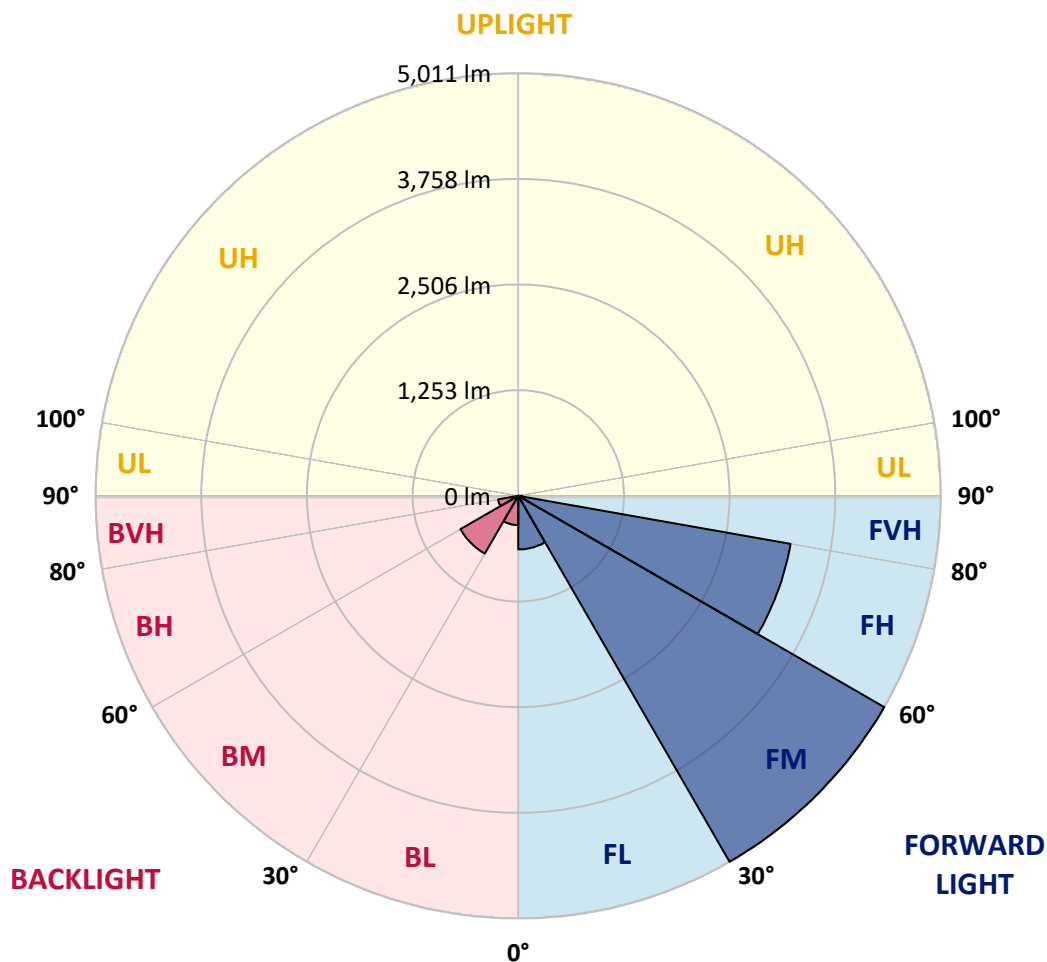
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	636.1	6.1			
FM (30°-60°)	5011.2	48.4			
FH (60°-80°)	3279.1	31.7			G2/5000
FVH (80°-90°)	46.4	0.4			G1/100
BL (0°-30°)	347.8	3.4	B1/500		
BM (30°-60°)	791.9	7.6	B1/1000		
BH (60°-80°)	243.1	2.3	B1/500		G1/500
BVH (80°-90°)	2.4	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°	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7
2.5°	1200.6	1208.9	1206.8	1204.7	1204.0	1205.4	1206.1	1205.4	1205.4	1205.4
5°	1177.7	1184.6	1184.6	1189.5	1196.4	1204.7	1211.0	1213.8	1213.8	1215.9
7.5°	1133.9	1139.5	1143.6	1159.6	1177.0	1199.2	1217.9	1229.0	1229.0	1236.7
10°	1104.1	1111.0	1117.9	1134.6	1159.6	1192.9	1224.9	1248.5	1252.0	1270.0
12.5°	1102.7	1109.6	1118.6	1136.7	1165.9	1201.3	1240.2	1274.2	1280.4	1306.8
15°	1117.3	1125.6	1133.9	1156.1	1187.4	1230.4	1272.1	1314.5	1320.7	1358.2
17.5°	1147.1	1158.2	1164.5	1186.7	1220.0	1267.9	1322.8	1371.4	1376.9	1420.7
20°	1206.1	1219.3	1221.4	1239.5	1272.1	1323.5	1388.8	1449.2	1456.1	1506.1
22.5°	1328.3	1347.1	1330.4	1339.5	1368.6	1420.0	1490.8	1567.2	1576.9	1633.9
25°	1543.6	1570.0	1526.9	1511.7	1524.2	1577.6	1666.5	1763.0	1774.1	1820.0
27.5°	1966.5	1932.4	1867.2	1803.3	1765.8	1796.4	1896.3	2015.8	2029.7	2074.1
30°	2431.0	2401.2	2313.0	2171.3	2082.4	2077.6	2169.9	2303.2	2319.2	2361.6
32.5°	2896.2	2867.8	2772.0	2597.7	2443.5	2367.1	2431.0	2578.9	2587.2	2614.3
35°	3353.8	3324.7	3228.8	3050.4	2860.8	2687.2	2674.7	2841.4	2844.2	2872.6
37.5°	3814.2	3789.9	3687.8	3512.8	3326.1	3086.5	2970.5	3090.0	3093.4	3121.2
40°	4142.6	4153.1	4082.9	3947.5	3787.1	3525.3	3302.5	3354.5	3333.7	3380.2
42.5°	4424.6	4445.4	4384.3	4316.2	4223.2	3992.7	3713.5	3704.5	3671.2	3696.2
45°	4668.3	4685.7	4630.8	4614.8	4612.7	4451.0	4162.8	4108.6	4062.1	4057.2
47.5°	4757.9	4791.2	4814.8	4868.3	4972.4	4904.4	4627.3	4543.3	4491.2	4453.0
50°	4791.9	4827.3	4907.9	5063.4	5309.9	5339.1	5089.8	4995.3	4931.5	4862.0
52.5°	4746.1	4809.3	4917.6	5179.4	5537.0	5687.6	5533.5	5450.9	5377.9	5264.8
55°	4475.9	4539.1	4760.6	5178.0	5650.1	5932.1	5952.9	5916.1	5834.2	5655.7
57.5°	3906.6	4000.3	4351.0	5001.6	5648.1	6142.5	6364.0	6390.3	6298.7	6043.2
60°	3117.7	3244.8	3672.6	4610.7	5473.8	6256.3	6724.3	6856.3	6759.1	6425.1
62.5°	2175.5	2322.7	2727.5	3998.2	5075.2	6174.4	6987.5	7231.2	7157.6	6766.7
65°	1327.0	1374.2	1700.5	3146.2	4397.5	5831.4	7068.8	7434.0	7409.7	6975.7
67.5°	883.9	923.5	1017.3	2157.4	3413.6	5146.0	6874.3	7398.6	7405.5	6941.7
70°	532.6	566.6	627.7	1254.7	2212.3	4073.2	6272.3	6947.2	6987.5	6486.9
72.5°	219.4	242.3	297.9	568.7	1145.7	2585.2	4994.6	5964.7	6058.4	5454.3
75°	124.3	136.1	175.0	285.4	497.2	1204.7	3025.4	4234.3	4372.5	3759.4
77.5°	82.6	88.2	113.2	184.7	279.8	411.1	1292.9	2206.0	2469.9	2053.3
80°	55.6	60.4	77.8	123.6	181.9	176.4	411.8	817.3	1005.5	705.5
82.5°	37.5	38.2	55.6	81.2	115.3	85.4	121.5	254.1	319.4	204.1
85°	21.5	20.8	41.0	47.2	51.4	35.4	36.8	76.4	100.0	86.1
87.5°	2.8	4.2	16.0	12.5	6.9	7.6	7.6	13.2	19.4	20.8
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°
1204.7	0°	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7	1204.7
1206.1	2.5°	1206.1	1205.4	1203.4	1201.3	1196.4	1193.6	1195.0	1193.6	1192.9	1193.6
1215.2	5°	1215.2	1213.1	1207.5	1200.6	1190.9	1179.1	1171.4	1160.3	1149.9	1143.6
1239.5	7.5°	1239.5	1237.4	1229.7	1210.3	1179.1	1129.8	1084.6	1045.0	1015.2	997.8
1278.3	10°	1278.3	1274.9	1263.1	1220.0	1138.1	1030.5	940.9	866.6	818.0	795.1
1324.2	12.5°	1324.2	1320.0	1299.2	1211.0	1060.3	892.3	768.7	686.0	640.9	620.8
1376.9	15°	1378.3	1372.8	1331.8	1167.9	947.1	739.5	626.3	564.5	535.4	517.3
1444.3	17.5°	1445.7	1436.0	1356.1	1103.4	824.2	622.9	538.8	492.3	466.6	449.3
1532.5	20°	1533.2	1517.2	1375.6	1026.3	711.0	549.3	479.8	440.9	421.5	406.2
1657.5	22.5°	1655.4	1632.5	1399.2	943.0	631.2	498.6	436.1	407.6	391.6	374.3
1831.8	25°	1806.8	1779.7	1428.3	865.9	576.3	454.8	404.1	380.5	361.8	341.6
2060.2	27.5°	2018.6	1969.9	1463.1	802.7	529.1	417.3	375.0	348.6	327.1	310.4
2319.2	30°	2254.6	2174.8	1493.6	764.5	486.1	382.6	336.8	310.4	290.2	278.4
2551.8	32.5°	2478.2	2369.9	1513.7	747.8	447.2	343.0	295.1	266.6	251.4	247.9
2779.6	35°	2689.3	2546.3	1511.7	731.9	412.5	303.4	254.1	225.0	213.2	215.3
3024.7	37.5°	2932.4	2734.5	1497.1	706.9	384.0	267.3	218.7	193.0	182.6	183.3
3322.6	40°	3215.0	2951.8	1488.0	659.7	352.7	234.0	189.6	168.7	161.1	158.3
3636.4	42.5°	3516.3	3162.2	1489.4	606.2	313.9	204.1	169.4	152.1	145.1	143.0
3985.7	45°	3819.1	3362.9	1491.5	550.6	272.9	181.2	154.8	140.3	136.1	133.3
4339.9	47.5°	4103.8	3533.7	1452.6	490.9	232.6	163.9	143.0	133.3	129.8	126.4
4695.4	50°	4369.0	3647.6	1358.9	421.5	200.7	150.0	134.0	127.1	123.6	120.1
5017.6	52.5°	4575.2	3665.6	1204.0	350.0	178.5	139.6	128.5	122.2	118.0	114.6
5278.0	55°	4666.9	3552.4	983.9	283.3	161.1	130.5	122.9	116.7	111.8	108.3
5482.8	57.5°	4643.3	3314.3	767.3	227.8	144.4	121.5	116.0	111.8	106.2	100.7
5648.8	60°	4527.3	2995.5	578.4	189.6	129.2	111.8	108.3	104.9	97.2	88.9
5712.6	62.5°	4326.7	2594.9	412.5	156.9	112.5	100.7	99.3	96.5	85.4	70.1
5618.2	65°	4019.7	2108.1	277.8	130.5	96.5	88.2	88.9	84.0	69.4	52.1
5272.4	67.5°	3571.2	1541.5	177.8	106.9	80.5	73.6	74.3	71.5	59.0	44.4
4616.9	70°	2999.7	1020.7	116.0	81.2	64.6	56.9	61.1	61.8	50.0	36.1
3543.4	72.5°	2199.1	602.7	81.2	60.4	47.2	39.6	50.0	51.4	40.3	27.1
2131.7	75°	1253.3	286.1	61.1	43.7	29.2	27.8	38.9	38.9	27.8	18.1
922.8	77.5°	526.3	119.4	43.1	28.5	16.7	16.0	26.4	24.3	13.9	8.3
225.0	80°	152.1	53.5	22.9	13.9	6.9	6.2	10.4	7.6	3.5	1.4
85.4	82.5°	59.7	23.6	9.0	5.6	2.8	2.8	1.4	0.0	0.0	0.0
48.6	85°	35.4	9.7	4.2	2.1	0.7	0.0	0.0	0.0	0.0	0.0
10.4	87.5°	9.0	2.1	1.4	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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1204.7
1196.4
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793.0
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447.9
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371.5
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276.4
250.0
215.3
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