

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: P852480

Luminaire Tested: **GLAN-SB4A-927-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852480
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-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 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: 8766 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

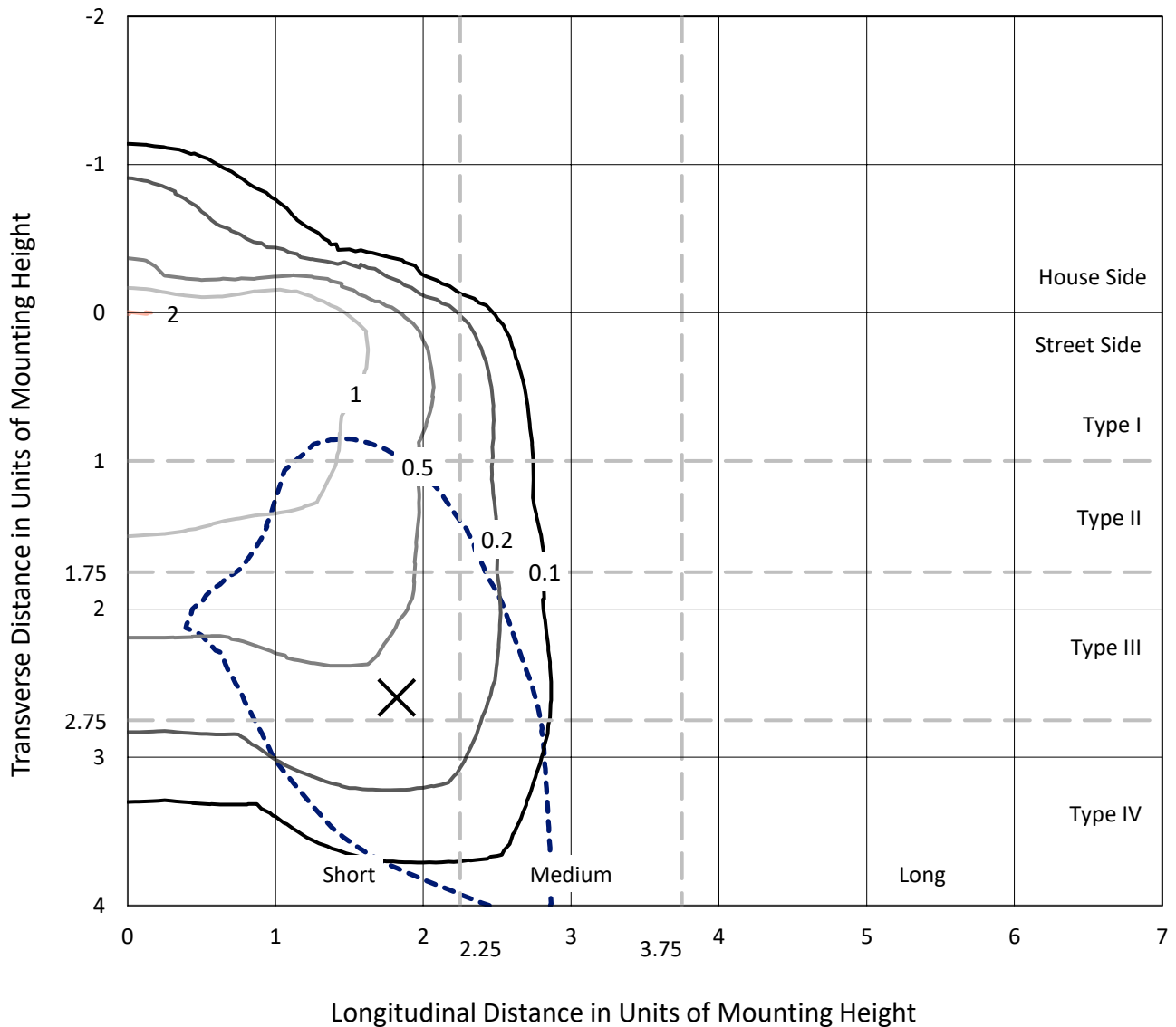
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

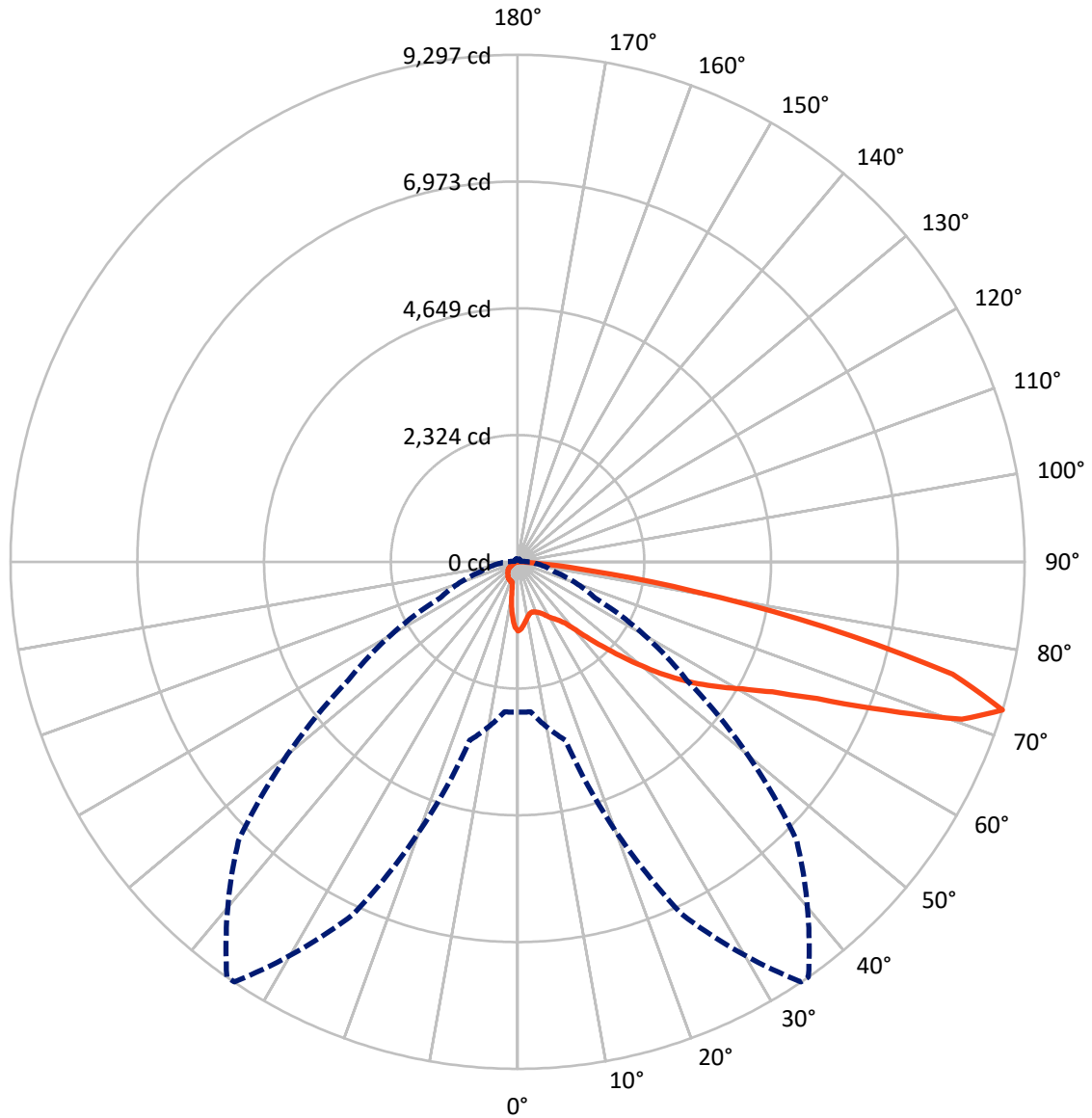
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	986.6	0.0	986.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	7779.4	0.0	7779.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	8766.0	0.0	8766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	1.2
10°-20°	244.2	2.8
20°-30°	396.7	4.5
30°-40°	662.0	7.6
40°-50°	1252.5	14.3
50°-60°	1990.2	22.7
60°-70°	2462.0	28.1
70°-80°	1530.4	17.5
80°-90°	123.7	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°	8766.0	100.0
0°-180°	8766.0	100.0

Coefficient of Utilization



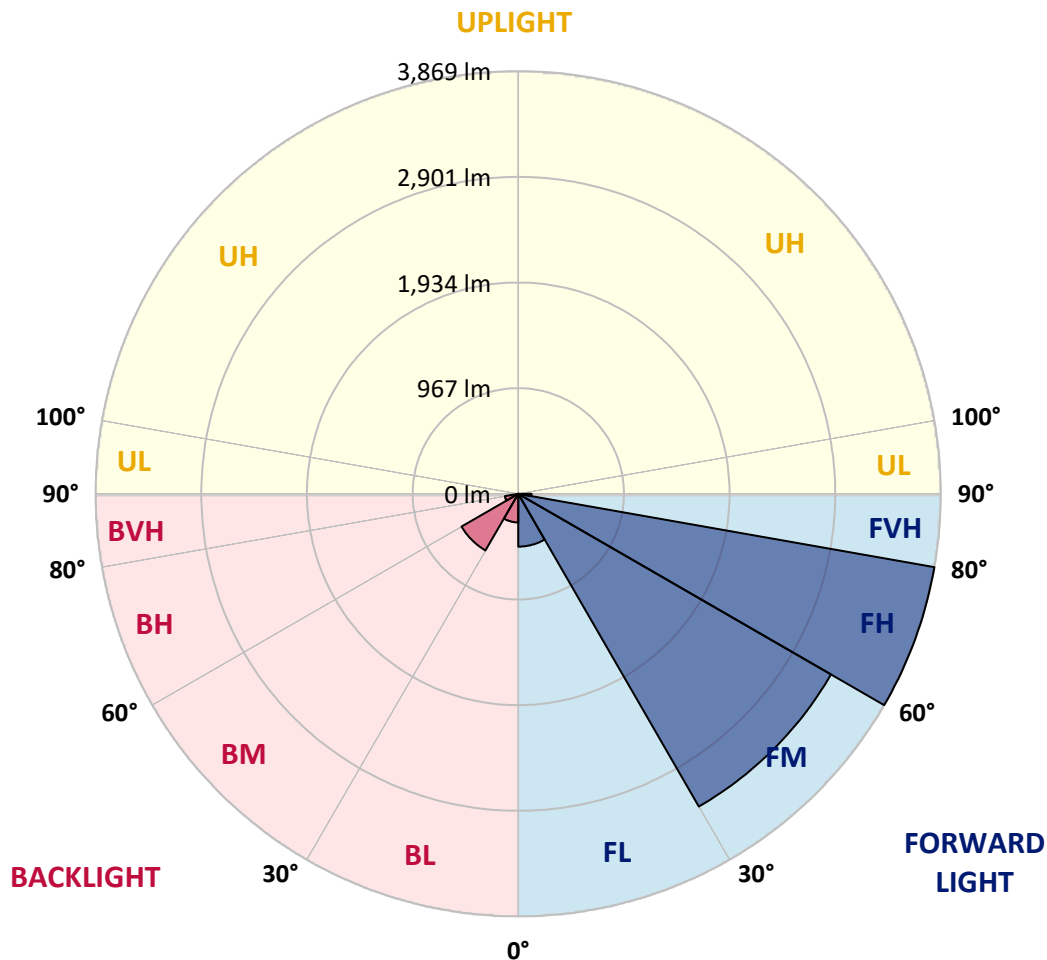
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.2	5.5			
FM	(30°-60°)	3305.7	37.7			
FH	(60°-80°)	3868.5	44.1			G2/5000
FVH	(80°-90°)	122.0	1.4			G2/225
BL	(0°-30°)	262.2	3.0	B1/500		
BM	(30°-60°)	598.9	6.8	B1/1000		
BH	(60°-80°)	123.8	1.4	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
2.5°	1214.0	1224.2	1226.2	1229.4	1229.4	1233.2	1239.7	1248.6	1263.4	1271.1
5°	1118.9	1126.6	1136.2	1144.0	1158.7	1160.7	1185.7	1210.1	1244.2	1269.8
7.5°	1023.2	1032.2	1045.0	1063.7	1082.9	1088.7	1126.6	1167.7	1221.7	1269.8
10°	955.8	956.4	968.0	986.6	1017.4	1024.5	1070.7	1129.2	1196.6	1262.1
12.5°	917.9	922.4	927.5	941.6	971.2	975.7	1025.1	1093.9	1171.6	1257.6
15°	917.9	921.1	924.3	931.3	955.1	959.0	1002.6	1071.4	1158.7	1259.6
17.5°	927.5	932.6	930.1	938.4	963.5	966.0	1004.6	1064.9	1158.1	1271.8
20°	950.6	954.5	949.3	954.5	979.5	984.7	1024.5	1077.2	1169.0	1293.0
22.5°	987.2	989.2	977.0	980.8	1006.5	1012.9	1059.2	1111.8	1195.3	1327.0
25°	1033.5	1037.3	1018.7	1023.2	1047.6	1055.3	1108.6	1163.9	1237.1	1373.9
27.5°	1086.8	1088.7	1072.7	1072.0	1103.5	1114.4	1168.4	1228.1	1293.0	1433.0
30°	1147.8	1153.6	1138.2	1135.6	1175.4	1184.4	1237.7	1307.1	1375.2	1521.6
32.5°	1196.0	1200.5	1191.5	1197.9	1238.4	1245.4	1321.9	1418.9	1504.3	1647.5
35°	1265.3	1267.9	1247.4	1258.9	1305.2	1323.2	1436.8	1575.6	1666.8	1805.5
37.5°	1516.5	1516.5	1429.1	1372.0	1416.3	1432.3	1594.2	1772.8	1867.2	2017.5
40°	1864.0	1858.2	1730.4	1613.5	1607.7	1639.2	1818.4	2021.3	2126.0	2271.8
42.5°	2234.6	2225.6	2051.5	1935.9	1916.7	1927.6	2077.2	2327.7	2434.4	2582.1
45°	2563.5	2560.9	2401.6	2246.2	2211.5	2246.2	2400.3	2686.1	2762.6	2918.0
47.5°	2839.0	2839.0	2722.7	2621.3	2603.3	2623.8	2837.7	3083.7	3076.7	3275.8
50°	3156.3	3153.7	3043.3	2999.6	3018.2	3047.1	3341.3	3502.5	3401.7	3627.1
52.5°	3378.5	3394.0	3356.1	3349.0	3444.1	3494.2	3852.6	3912.3	3692.6	3960.5
55°	3554.5	3572.5	3616.2	3665.7	3848.7	3914.2	4347.8	4300.9	3936.1	4249.5
57.5°	3803.8	3778.1	3845.5	3943.1	4239.2	4318.2	4827.6	4667.7	4132.0	4484.0
60°	4106.3	4110.1	4121.7	4245.0	4629.1	4730.6	5300.3	5014.5	4257.9	4627.8
62.5°	4469.8	4475.6	4499.4	4688.9	5152.6	5248.3	5803.9	5298.4	4315.7	4587.4
65°	4444.8	4469.2	4734.5	5382.5	5948.4	6042.8	6391.6	5497.5	4228.3	4217.4
67.5°	4049.1	4088.9	4532.8	6211.1	7148.3	7253.6	7102.0	5536.7	3851.3	3279.6
70°	3530.1	3544.3	4078.0	6956.2	8537.6	8644.2	7737.9	5105.7	2922.5	1829.3
72.5°	2756.8	2760.0	3386.3	7129.0	9291.6	9297.4	7238.8	3790.3	1571.7	702.7
75°	1969.3	1950.1	2268.0	5781.4	8174.7	8240.2	5426.9	1777.9	600.6	332.1
77.5°	1056.0	1077.2	1283.3	3428.6	5647.2	5758.9	2961.0	512.6	305.7	226.1
80°	326.3	344.3	526.1	1569.8	3198.7	3266.1	1097.7	228.0	213.2	161.2
82.5°	102.8	106.6	245.4	659.7	1327.7	1358.5	317.9	129.1	145.8	106.6
85°	29.5	30.2	109.2	246.0	328.2	334.6	89.3	50.1	83.5	66.2
87.5°	3.2	10.3	41.1	41.1	28.9	28.3	9.6	10.9	23.8	8.4
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°
1270.5	0°	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5	1270.5
1276.3	2.5°	1273.1	1273.7	1265.3	1251.2	1235.8	1223.0	1206.9	1194.1	1185.1	1182.5
1287.8	5°	1282.0	1277.6	1253.8	1210.8	1159.4	1115.0	1065.6	1026.4	1000.7	989.8
1300.0	7.5°	1295.5	1282.7	1230.7	1145.9	1047.6	960.3	871.6	802.9	759.2	737.4
1311.6	10°	1307.1	1281.4	1192.1	1052.1	901.8	769.5	650.0	567.2	520.9	499.1
1325.1	12.5°	1318.0	1280.8	1142.0	941.0	737.4	575.5	464.4	423.3	410.4	405.9
1346.9	15°	1338.6	1282.7	1079.1	813.8	573.6	434.8	394.4	393.7	396.3	395.0
1380.3	17.5°	1366.8	1284.6	1007.8	678.9	442.6	383.5	381.5	387.3	391.2	389.2
1422.1	20°	1403.4	1292.3	932.0	545.3	380.2	370.6	375.1	380.2	383.5	380.2
1478.0	22.5°	1454.8	1305.8	849.1	438.1	360.3	362.9	366.8	372.5	375.8	371.3
1549.2	25°	1517.8	1327.0	767.6	380.9	350.7	353.9	359.7	366.1	370.0	365.5
1639.2	27.5°	1599.3	1361.1	692.4	368.0	341.1	343.0	351.3	361.0	366.1	360.3
1767.0	30°	1717.5	1416.9	627.5	373.8	335.3	330.8	342.4	355.8	361.6	356.5
1941.1	32.5°	1874.3	1495.9	587.7	382.8	332.7	316.7	327.6	344.9	354.6	351.3
2168.4	35°	2079.8	1616.0	572.3	393.1	330.8	301.9	309.6	328.2	344.9	348.1
2454.9	37.5°	2329.0	1783.0	576.8	397.6	325.0	289.7	293.5	309.6	331.4	341.7
2777.3	40°	2612.3	1977.7	602.5	393.1	318.6	279.4	280.0	292.3	311.5	326.9
3124.2	42.5°	2904.5	2205.0	650.0	376.4	312.8	270.4	268.5	276.8	289.7	300.6
3470.4	45°	3182.6	2438.8	696.9	353.3	305.7	261.4	256.9	260.1	262.7	267.2
3807.6	47.5°	3425.4	2603.3	683.4	332.1	296.1	251.1	243.4	242.2	234.4	233.8
4108.9	50°	3593.1	2639.2	607.0	310.9	282.0	239.6	227.4	219.7	206.2	199.8
4334.3	52.5°	3646.4	2497.3	495.9	289.7	258.9	224.2	206.8	194.6	177.9	172.1
4464.0	55°	3575.7	2219.2	396.3	264.0	226.7	203.6	184.3	168.3	154.8	147.7
4478.2	57.5°	3403.0	1865.3	313.4	233.8	192.7	180.5	161.2	145.2	133.6	126.5
4321.5	60°	3116.5	1481.2	247.9	197.8	164.4	155.4	135.5	125.3	115.0	106.6
3916.8	62.5°	2681.6	1057.2	194.6	156.7	137.5	127.2	115.6	107.9	95.7	84.1
3189.1	65°	2092.6	646.8	150.3	115.0	110.5	105.3	98.3	91.2	76.4	64.9
2080.4	67.5°	1319.9	306.4	107.3	86.7	87.4	84.8	81.6	75.8	64.9	54.6
932.0	70°	581.3	148.4	70.7	66.2	64.9	64.9	67.4	65.5	55.2	45.6
323.7	72.5°	197.8	79.6	52.7	50.1	46.9	46.2	56.5	54.6	44.3	35.3
161.2	75°	103.4	53.3	38.5	36.0	28.3	34.0	45.0	42.4	31.5	23.1
106.6	77.5°	67.4	37.9	26.3	23.1	16.1	22.5	33.4	29.5	18.6	11.6
70.0	80°	42.4	25.1	15.4	10.9	7.7	12.2	18.0	12.8	7.1	2.6
41.1	82.5°	22.5	12.8	5.8	3.9	3.2	3.9	4.5	3.2	1.3	0.0
21.2	85°	9.0	4.5	1.9	1.3	0.6	0.0	1.3	0.6	0.0	0.0
3.9	87.5°	3.2	0.6	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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