

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: P847807

Luminaire Tested: **GLAN-SB4A-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847807
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-SB4A-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 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: 11242 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

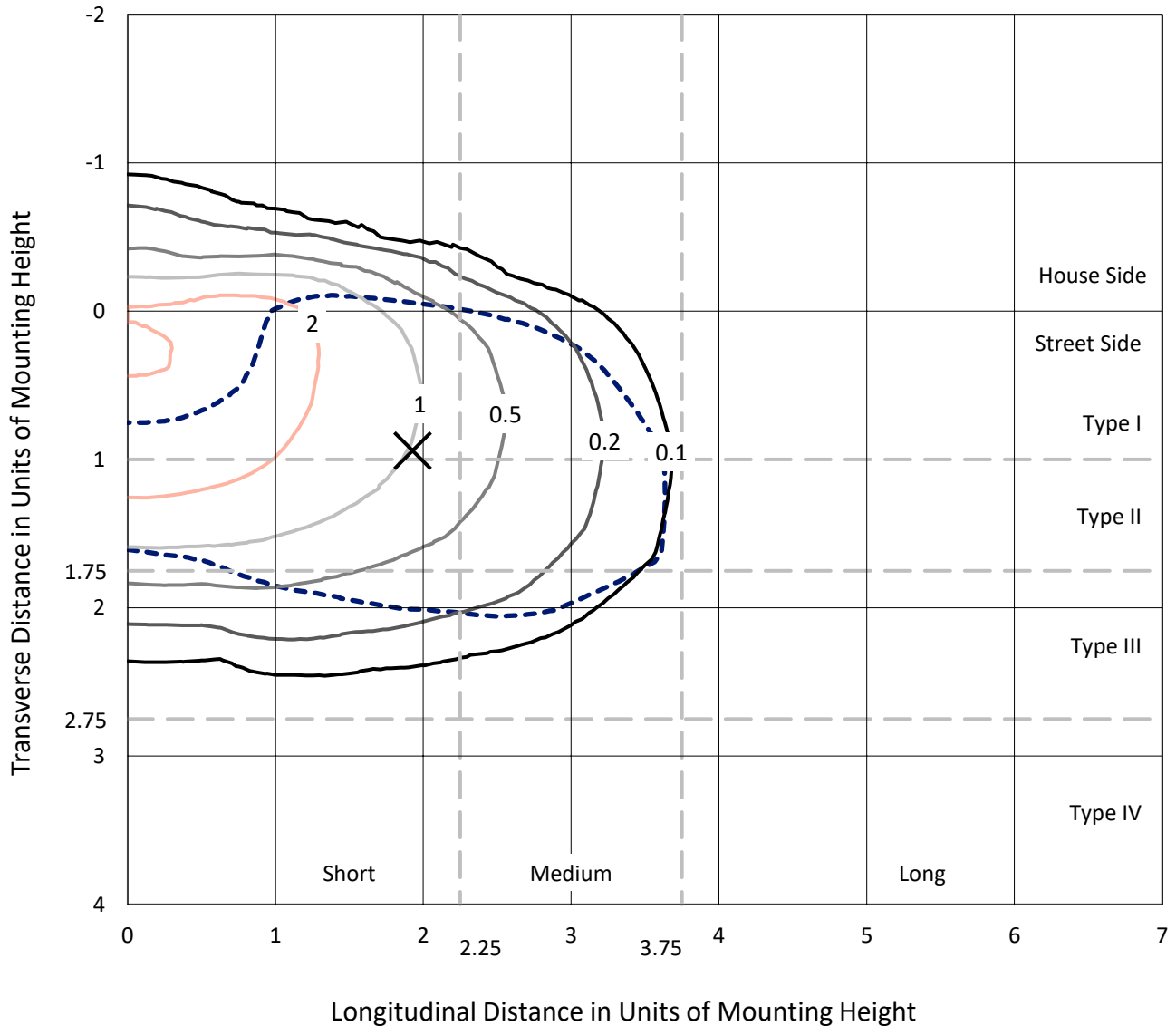
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

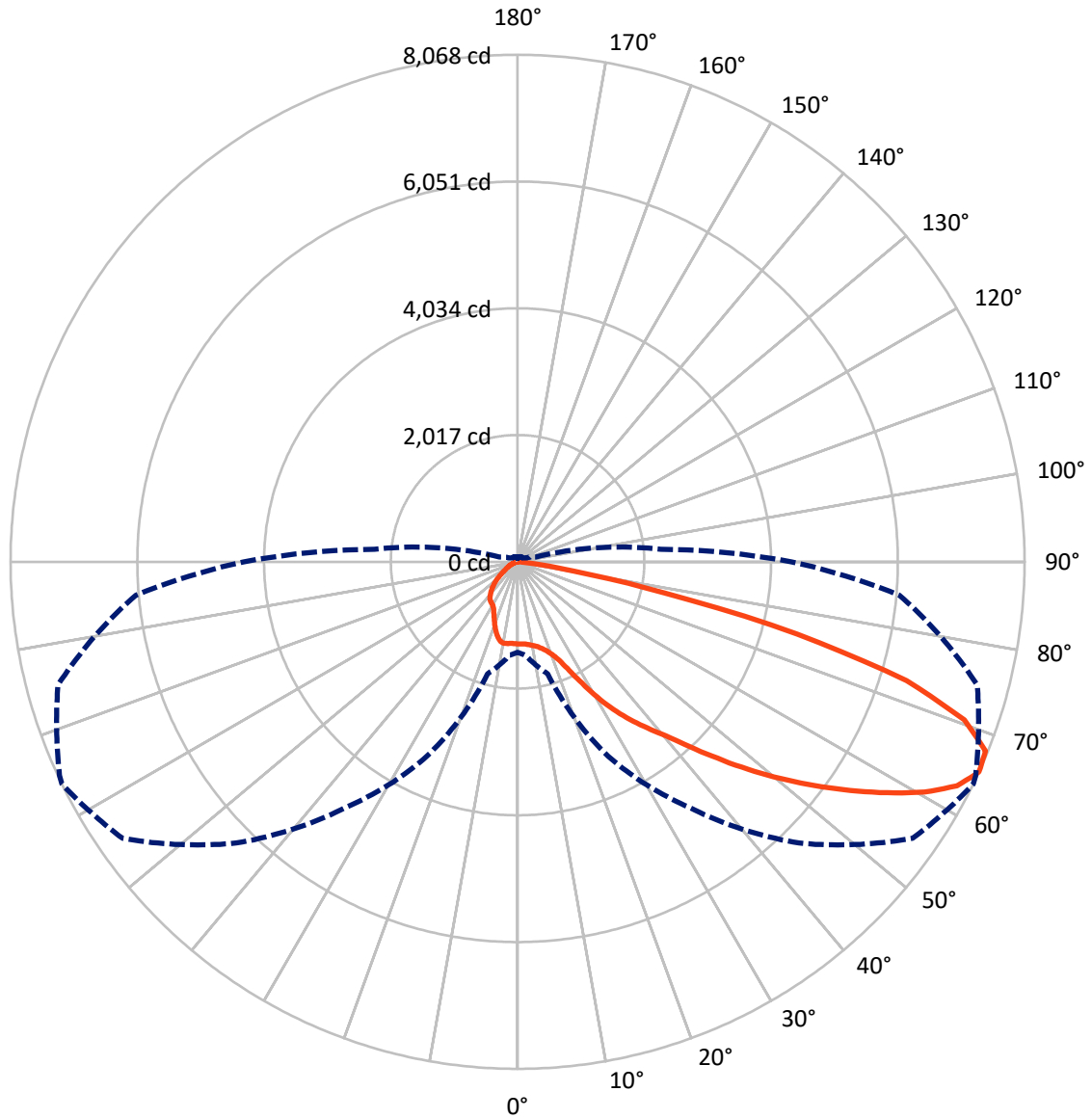
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	1503.4	0.0	1503.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	9738.6	0.0	9738.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	11242.0	0.0	11242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	1.1
10°-20°	327.2	2.9
20°-30°	620.0	5.5
30°-40°	1254.6	11.2
40°-50°	2137.2	19.0
50°-60°	2906.5	25.9
60°-70°	2729.3	24.3
70°-80°	1093.5	9.7
80°-90°	53.0	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°	11242.0	100.0
0°-180°	11242.0	100.0

Coefficient of Utilization



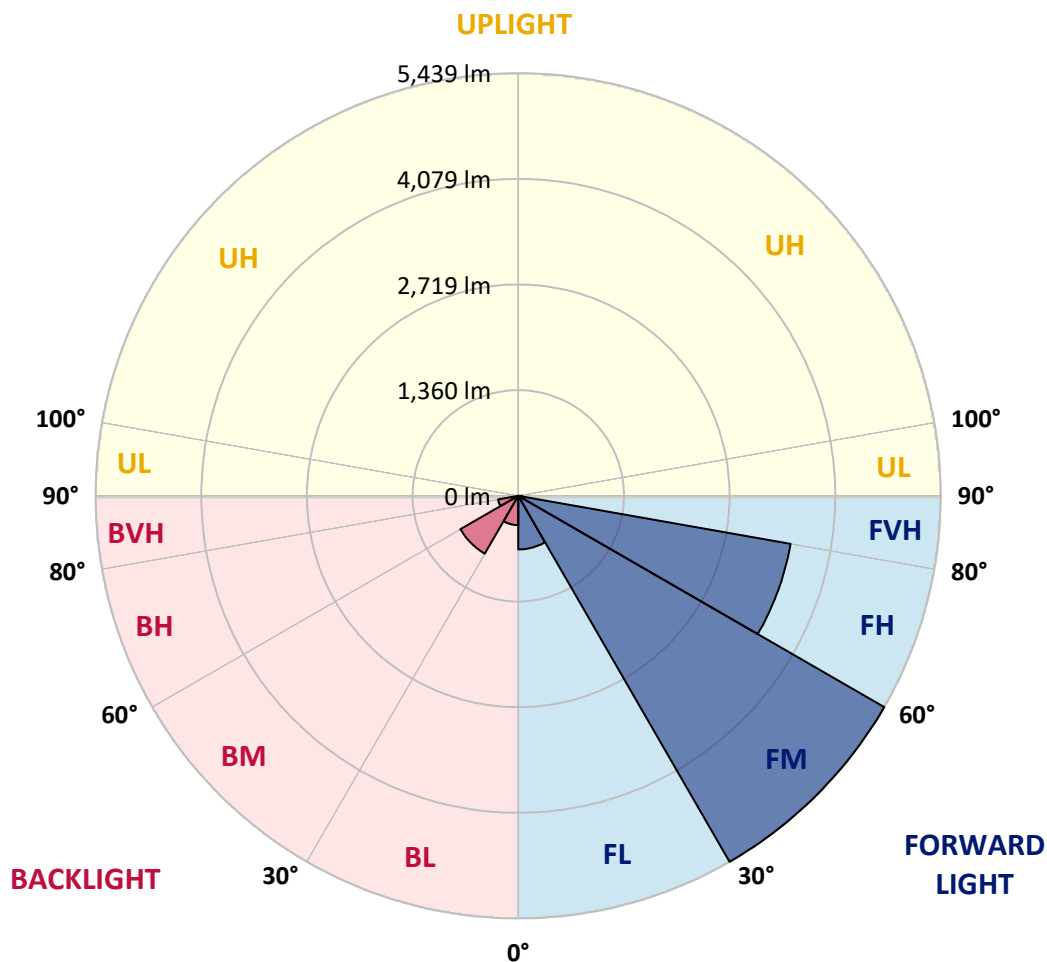
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	690.4	6.1			
FM (30°-60°)	5438.9	48.4			
FH (60°-80°)	3559.0	31.7			G2/5000
FVH (80°-90°)	50.4	0.4			G1/100
BL (0°-30°)	377.5	3.4	B1/500		
BM (30°-60°)	859.5	7.6	B1/1000		
BH (60°-80°)	263.9	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°	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6
2.5°	1303.0	1312.1	1309.8	1307.6	1306.8	1308.3	1309.1	1308.3	1308.3	1308.3
5°	1278.2	1285.7	1285.7	1291.0	1298.5	1307.6	1314.3	1315.9	1317.4	1319.6
7.5°	1230.7	1236.7	1241.2	1258.6	1277.4	1301.5	1321.9	1332.4	1333.9	1342.2
10°	1198.3	1205.8	1213.4	1231.4	1258.6	1294.7	1329.4	1355.0	1358.8	1378.4
12.5°	1196.8	1204.3	1214.1	1233.7	1265.4	1303.8	1346.0	1382.9	1389.7	1418.3
15°	1212.6	1221.6	1230.7	1254.8	1288.7	1335.4	1380.7	1426.6	1433.4	1474.1
17.5°	1245.0	1257.1	1263.9	1288.0	1324.1	1376.1	1435.7	1488.4	1494.5	1541.9
20°	1309.1	1323.4	1325.6	1345.2	1380.7	1436.4	1507.3	1572.8	1580.4	1634.6
22.5°	1441.7	1462.1	1444.0	1453.8	1485.4	1541.2	1618.1	1701.0	1711.5	1773.3
25°	1675.3	1704.0	1657.2	1640.7	1654.2	1712.3	1808.7	1913.5	1925.5	1975.3
27.5°	2134.3	2097.4	2026.5	1957.2	1916.5	1949.7	2058.2	2187.8	2202.9	2251.1
30°	2638.5	2606.1	2510.4	2356.6	2260.2	2254.9	2355.1	2499.8	2517.1	2563.1
32.5°	3143.4	3112.5	3008.5	2819.4	2652.1	2569.2	2638.5	2799.0	2808.1	2837.4
35°	3640.1	3608.4	3504.4	3310.7	3105.0	2916.6	2903.0	3083.9	3086.9	3117.8
37.5°	4139.7	4113.4	4002.6	3812.7	3609.9	3349.9	3224.1	3353.7	3357.5	3387.6
40°	4496.2	4507.5	4431.4	4284.4	4110.3	3826.2	3584.3	3640.8	3618.2	3668.7
42.5°	4802.2	4824.8	4758.5	4684.6	4583.6	4333.4	4030.5	4020.7	3984.5	4011.6
45°	5066.7	5085.5	5026.0	5008.7	5006.4	4830.8	4518.1	4459.3	4408.8	4403.5
47.5°	5163.9	5200.1	5225.7	5283.8	5396.8	5322.9	5022.2	4931.1	4874.5	4833.1
50°	5200.9	5239.3	5326.7	5495.5	5763.1	5794.7	5524.2	5421.7	5352.3	5277.0
52.5°	5151.1	5219.7	5337.3	5621.4	6009.5	6173.0	6005.7	5916.1	5836.9	5714.1
55°	4857.9	4926.5	5166.9	5619.9	6132.3	6438.3	6460.9	6421.0	6332.1	6138.4
57.5°	4240.0	4341.7	4722.3	5428.5	6130.1	6666.7	6907.1	6935.7	6836.2	6558.9
60°	3383.8	3521.7	3986.0	5004.2	5940.9	6790.3	7298.2	7441.4	7335.9	6973.4
62.5°	2361.1	2520.9	2960.3	4339.4	5508.3	6701.3	7583.9	7848.4	7768.5	7344.2
65°	1440.2	1491.4	1845.7	3414.7	4772.8	6329.0	7672.0	8068.4	8042.1	7571.0
67.5°	959.4	1002.3	1104.1	2341.6	3704.9	5585.2	7461.0	8030.0	8037.5	7534.1
70°	578.0	615.0	681.3	1361.8	2401.1	4420.8	6807.6	7540.1	7583.9	7040.5
72.5°	238.1	263.0	323.3	617.2	1243.5	2805.8	5420.9	6473.7	6575.5	5919.8
75°	134.9	147.7	189.9	309.7	539.6	1307.6	3283.6	4595.7	4745.7	4080.2
77.5°	89.7	95.7	122.8	200.5	303.7	446.2	1403.3	2394.3	2680.7	2228.5
80°	60.3	65.6	84.4	134.1	197.5	191.4	446.9	887.0	1091.3	765.7
82.5°	40.7	41.5	60.3	88.2	125.1	92.7	131.9	275.8	346.7	221.6
85°	23.4	22.6	44.5	51.2	55.8	38.4	39.9	82.9	108.5	93.5
87.5°	3.0	4.5	17.3	13.6	7.5	8.3	8.3	14.3	21.1	22.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847807
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1307.6	0°	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6	1307.6
1309.1	2.5°	1309.1	1308.3	1306.1	1303.8	1298.5	1295.5	1297.0	1295.5	1294.7	1295.5
1318.9	5°	1318.9	1316.6	1310.6	1303.0	1292.5	1279.7	1271.4	1259.3	1248.0	1241.2
1345.2	7.5°	1345.2	1343.0	1334.7	1313.6	1279.7	1226.2	1177.2	1134.2	1101.8	1083.0
1387.4	10°	1387.4	1383.7	1370.9	1324.1	1235.2	1118.4	1021.2	940.5	887.8	862.9
1437.2	12.5°	1437.2	1432.7	1410.1	1314.3	1150.8	968.4	834.3	744.6	695.6	673.8
1494.5	15°	1496.0	1489.9	1445.5	1267.6	1028.0	802.6	679.8	612.7	581.1	561.5
1567.6	17.5°	1569.1	1558.5	1471.9	1197.5	894.6	676.0	584.8	534.3	506.4	487.6
1663.3	20°	1664.0	1646.7	1493.0	1113.9	771.7	596.1	520.8	478.6	457.5	440.9
1798.9	22.5°	1796.7	1771.8	1518.6	1023.4	685.1	541.1	473.3	442.4	425.1	406.2
1988.1	25°	1961.0	1931.6	1550.2	939.8	625.5	493.6	438.6	413.0	392.6	370.8
2236.0	27.5°	2190.8	2138.1	1587.9	871.2	574.3	452.9	407.0	378.3	355.0	336.9
2517.1	30°	2447.1	2360.4	1621.1	829.8	527.5	415.3	365.5	336.9	315.0	302.2
2769.6	32.5°	2689.7	2572.2	1642.9	811.7	485.3	372.3	320.3	289.4	272.8	269.0
3016.8	35°	2918.8	2763.6	1640.7	794.3	447.7	329.3	275.8	244.2	231.4	233.6
3282.8	37.5°	3182.6	2967.8	1624.8	767.2	416.8	290.2	237.4	209.5	198.2	199.0
3606.2	40°	3489.3	3203.7	1615.0	716.0	382.8	254.0	205.7	183.1	174.8	171.8
3946.8	42.5°	3816.4	3432.1	1616.6	657.9	340.6	221.6	183.9	165.0	157.5	155.2
4325.9	45°	4145.0	3649.9	1618.8	597.6	296.2	196.7	168.1	152.2	147.7	144.7
4710.2	47.5°	4454.0	3835.3	1576.6	532.8	252.5	177.9	155.2	144.7	140.9	137.2
5096.1	50°	4741.9	3958.9	1474.9	457.5	217.8	162.8	145.5	137.9	134.1	130.4
5445.8	52.5°	4965.7	3978.5	1306.8	379.8	193.7	151.5	139.4	132.6	128.1	124.4
5728.4	55°	5065.2	3855.6	1067.9	307.5	174.8	141.7	133.4	126.6	121.3	117.6
5950.7	57.5°	5039.6	3597.1	832.8	247.2	156.8	131.9	125.9	121.3	115.3	109.3
6130.8	60°	4913.7	3251.2	627.8	205.7	140.2	121.3	117.6	113.8	105.5	96.5
6200.2	62.5°	4695.9	2816.3	447.7	170.3	122.1	109.3	107.8	104.8	92.7	76.1
6097.7	65°	4362.8	2288.0	301.5	141.7	104.8	95.7	96.5	91.2	75.4	56.5
5722.4	67.5°	3876.0	1673.1	192.9	116.1	87.4	79.9	80.6	77.6	64.1	48.2
5010.9	70°	3255.7	1107.8	125.9	88.2	70.1	61.8	66.3	67.1	54.3	39.2
3845.8	72.5°	2386.8	654.2	88.2	65.6	51.2	43.0	54.3	55.8	43.7	29.4
2313.7	75°	1360.3	310.5	66.3	47.5	31.7	30.1	42.2	42.2	30.1	19.6
1001.6	77.5°	571.3	129.6	46.7	30.9	18.1	17.3	28.6	26.4	15.1	9.0
244.2	80°	165.0	58.0	24.9	15.1	7.5	6.8	11.3	8.3	3.8	1.5
92.7	82.5°	64.8	25.6	9.8	6.0	3.0	3.0	1.5	0.0	0.0	0.0
52.8	85°	38.4	10.6	4.5	2.3	0.8	0.0	0.0	0.0	0.0	0.0
11.3	87.5°	9.8	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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