

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: P846838

Luminaire Tested: **GLAN-SB2C-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2C-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9651 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

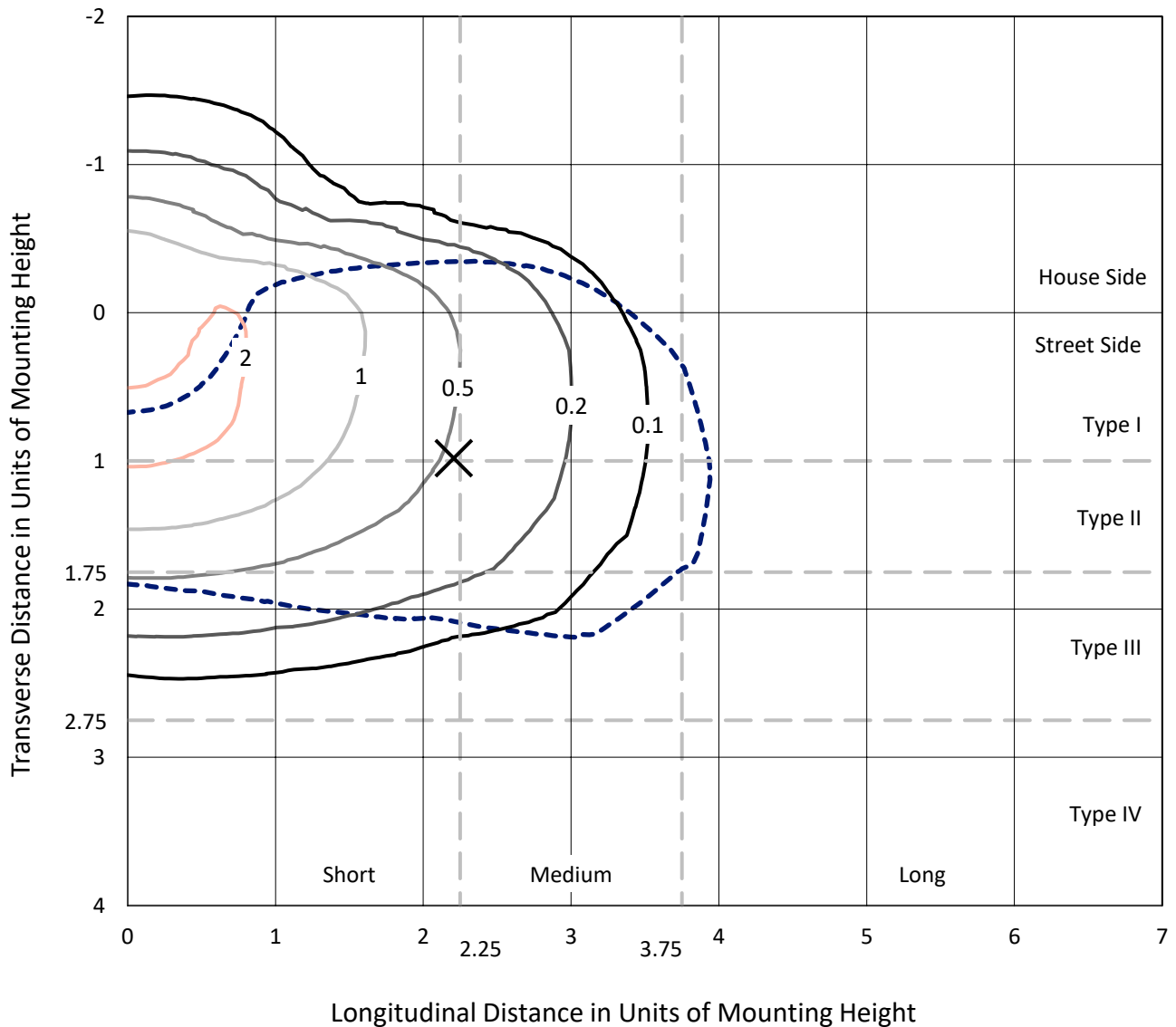
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

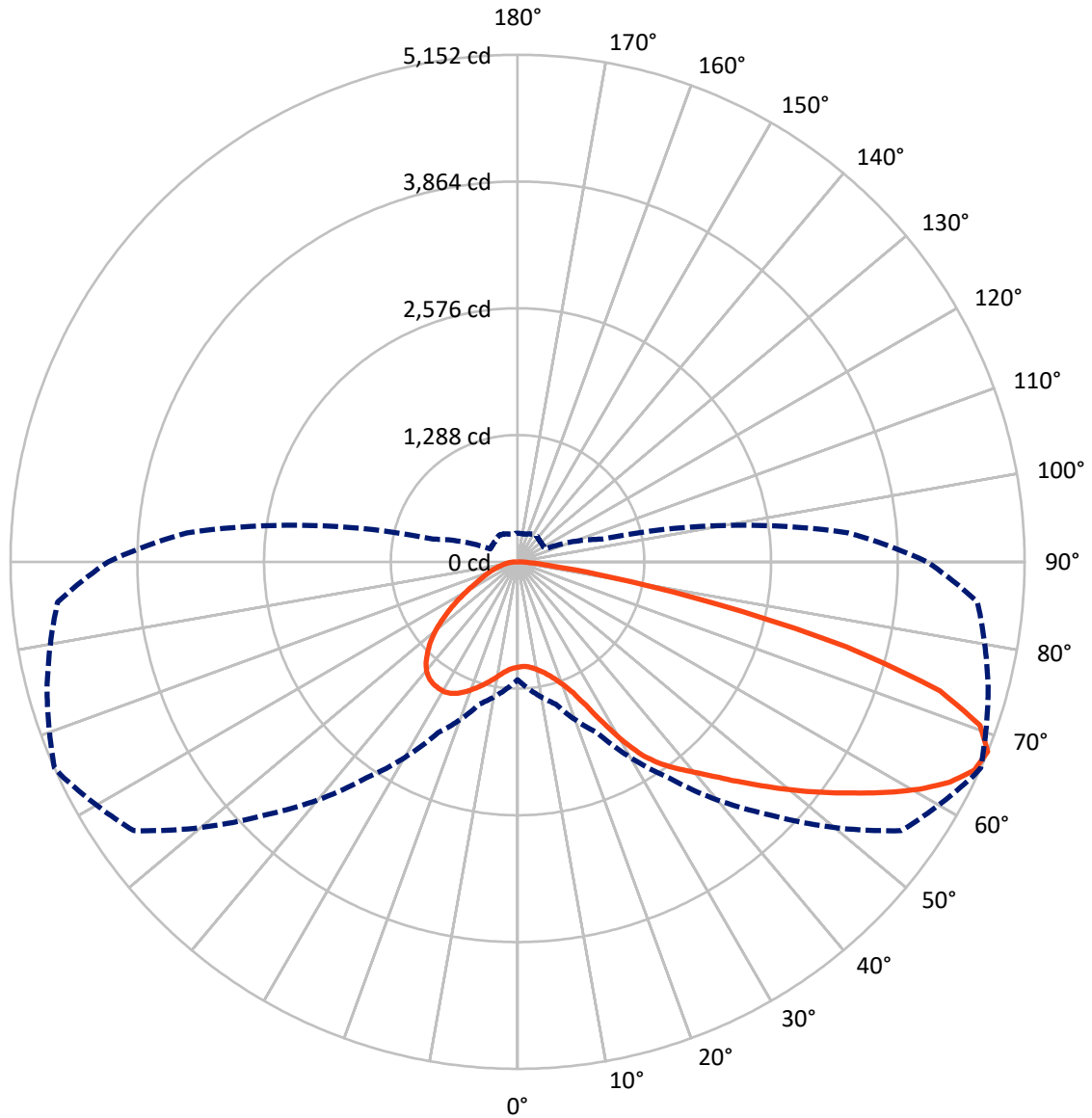
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2399.7	0.0	2399.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7251.3	0.0	7251.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	9651.0	0.0	9651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.1	1.1
10°-20°	350.6	3.6
20°-30°	675.8	7.0
30°-40°	1185.0	12.3
40°-50°	1761.7	18.3
50°-60°	2233.1	23.1
60°-70°	2185.0	22.6
70°-80°	1042.3	10.8
80°-90°	111.4	1.2
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°	9651.0	100.0
0°-180°	9651.0	100.0

Coefficient of Utilization



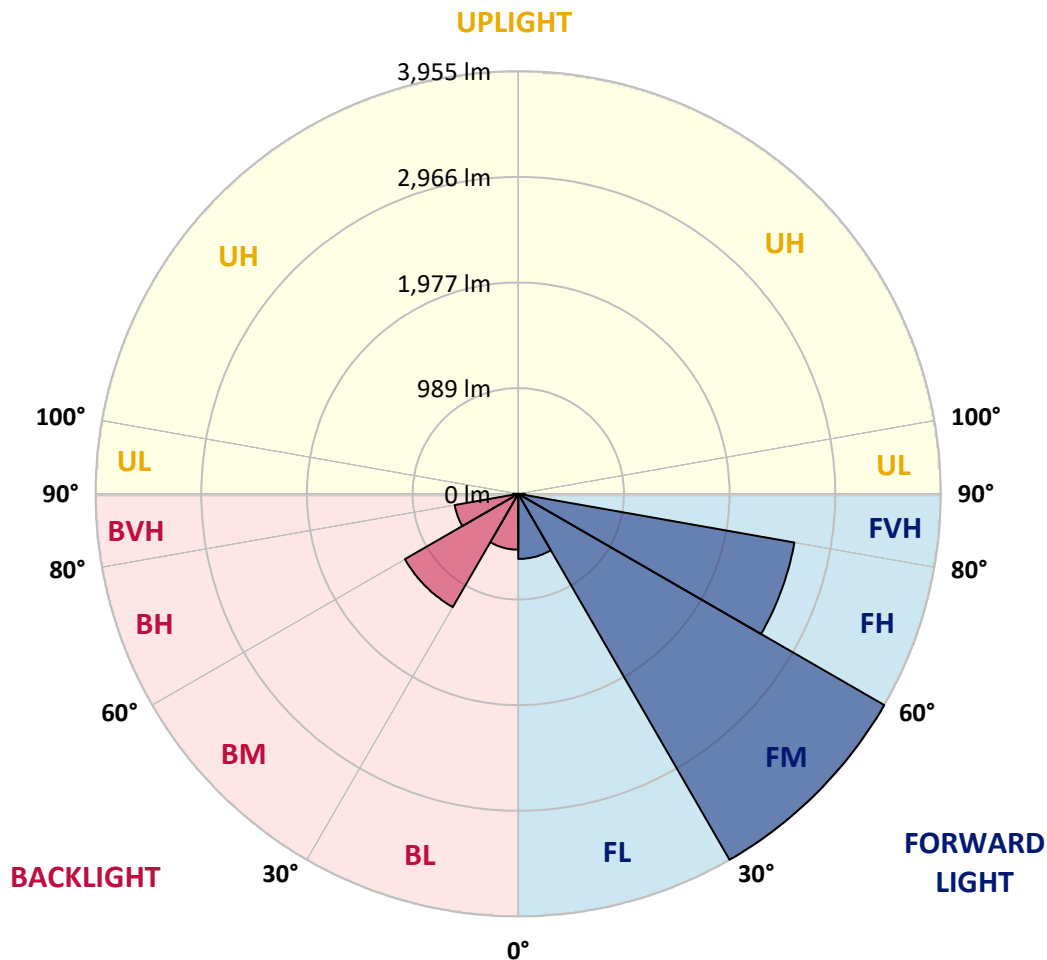
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.8	6.3			
FM (30°-60°)	3954.9	41.0			
FH (60°-80°)	2623.4	27.2			G2/5000
FVH (80°-90°)	63.2	0.7			G1/100
BL (0°-30°)	522.7	5.4	B2/1000		
BM (30°-60°)	1224.8	12.7	B2/2500		
BH (60°-80°)	603.9	6.3	B2/1000		G2/1000
BVH (80°-90°)	48.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4
2.5°	1059.3	1065.4	1063.8	1061.3	1060.8	1061.8	1063.3	1064.8	1064.3	1066.9
5°	1056.2	1062.3	1061.8	1061.8	1063.8	1067.9	1070.4	1073.0	1070.4	1073.5
7.5°	1058.3	1062.8	1064.8	1066.9	1071.9	1079.6	1085.6	1091.2	1088.2	1091.7
10°	1084.1	1087.7	1089.7	1089.7	1093.2	1101.9	1107.9	1118.1	1115.6	1121.1
12.5°	1131.3	1134.8	1134.8	1132.8	1135.3	1140.9	1142.9	1154.1	1149.5	1158.7
15°	1189.1	1196.2	1190.6	1187.0	1188.1	1193.6	1193.1	1201.8	1197.2	1204.8
17.5°	1253.0	1262.1	1253.0	1252.5	1250.4	1256.5	1257.0	1264.6	1256.5	1262.1
20°	1328.5	1341.2	1333.6	1336.1	1331.6	1334.1	1336.6	1347.8	1335.1	1339.2
22.5°	1435.0	1450.2	1442.1	1451.7	1448.7	1446.7	1446.2	1465.9	1446.2	1447.7
25°	1590.2	1608.4	1594.2	1607.4	1607.4	1614.0	1621.6	1647.0	1614.0	1604.4
27.5°	1819.4	1837.6	1809.7	1817.8	1815.3	1831.5	1823.4	1886.3	1850.8	1835.1
30°	2095.2	2127.7	2074.9	2072.9	2070.4	2096.2	2107.9	2149.5	2113.5	2097.7
32.5°	2393.4	2427.3	2364.5	2346.2	2336.6	2352.3	2342.7	2376.1	2351.3	2326.9
35°	2708.8	2742.2	2682.4	2646.9	2608.4	2575.4	2540.9	2549.5	2526.2	2489.2
37.5°	3006.9	3068.3	3004.9	2966.9	2895.9	2831.5	2735.1	2695.1	2673.3	2639.3
40°	3310.7	3345.6	3297.5	3265.0	3187.9	3087.0	2932.9	2848.2	2818.8	2785.8
42.5°	3534.3	3567.7	3541.9	3519.6	3459.2	3342.1	3142.8	3036.8	2994.2	2957.2
45°	3711.7	3736.6	3720.4	3728.5	3702.6	3589.0	3360.3	3239.2	3195.0	3149.9
47.5°	3783.2	3809.6	3835.5	3883.6	3927.8	3844.1	3594.1	3458.2	3411.6	3365.4
50°	3775.1	3802.0	3877.1	3979.5	4116.4	4088.5	3840.5	3691.5	3648.4	3595.6
52.5°	3710.2	3740.7	3837.0	4007.4	4225.4	4271.6	4091.5	3932.3	3891.8	3828.9
55°	3539.9	3558.1	3702.6	3944.0	4251.3	4399.3	4337.5	4188.9	4148.3	4060.6
57.5°	3223.9	3250.3	3460.7	3773.1	4186.4	4486.0	4553.5	4458.7	4419.6	4293.4
60°	2811.7	2853.8	3094.6	3486.1	4021.1	4485.5	4749.7	4723.9	4691.4	4522.6
62.5°	2345.2	2393.9	2625.6	3080.4	3732.0	4358.3	4872.4	4946.0	4929.2	4734.0
65°	1801.1	1834.6	2065.3	2555.6	3282.3	4085.0	4886.6	5097.6	5100.6	4894.7
67.5°	1199.2	1295.6	1495.9	1917.7	2679.9	3638.2	4761.9	5122.4	5151.8	4950.0
70°	585.2	711.9	908.2	1246.4	1917.7	2953.2	4435.8	4918.6	4984.0	4788.8
72.5°	242.9	284.0	391.0	615.1	1100.8	1992.8	3780.7	4365.9	4487.1	4243.2
75°	163.8	177.5	223.6	315.4	501.5	982.7	2726.5	3255.4	3450.6	3204.7
77.5°	126.3	134.9	162.8	220.6	298.2	371.7	1459.3	1961.9	2062.8	1909.6
80°	99.4	106.0	121.7	160.7	211.4	198.8	497.4	888.9	947.2	794.6
82.5°	86.2	88.7	87.2	109.0	140.5	116.1	163.3	328.1	362.0	262.7
85°	62.4	69.5	72.5	67.4	74.5	58.8	66.9	116.1	127.8	114.1
87.5°	25.4	37.5	46.1	43.6	27.4	16.7	20.8	34.0	39.0	42.6
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°
1070.4	0°	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4	1070.4
1070.9	2.5°	1071.4	1075.0	1077.5	1080.6	1082.6	1085.6	1091.7	1095.3	1095.8	1098.3
1079.0	5°	1081.1	1086.1	1091.7	1099.8	1109.0	1116.6	1128.2	1136.3	1139.4	1141.9
1098.8	7.5°	1101.9	1109.0	1119.1	1133.3	1146.5	1156.6	1170.8	1180.5	1190.1	1193.6
1130.3	10°	1132.8	1142.9	1157.6	1176.9	1191.1	1204.3	1219.0	1227.1	1236.7	1240.8
1167.8	12.5°	1171.3	1182.0	1201.2	1228.1	1241.3	1250.4	1255.5	1253.5	1255.5	1259.1
1212.9	15°	1215.4	1227.1	1248.9	1277.8	1286.9	1278.8	1267.7	1257.5	1256.0	1257.0
1267.7	17.5°	1267.7	1276.3	1301.6	1326.0	1319.4	1285.9	1261.6	1245.4	1237.2	1234.7
1337.6	20°	1340.7	1340.7	1361.5	1376.7	1332.6	1275.8	1237.8	1211.4	1194.7	1187.6
1433.0	22.5°	1429.4	1421.3	1434.5	1423.9	1330.0	1247.4	1194.7	1149.0	1123.7	1113.5
1566.3	25°	1542.0	1532.4	1528.8	1462.9	1311.8	1202.3	1116.6	1061.3	1039.0	1033.4
1758.5	27.5°	1711.9	1687.5	1641.4	1484.2	1278.3	1131.3	1025.3	974.1	961.4	961.9
2005.5	30°	1938.0	1889.3	1776.3	1487.7	1223.6	1030.9	932.0	895.5	889.4	891.9
2212.9	32.5°	2147.4	2101.3	1914.2	1471.5	1139.4	932.5	848.3	824.0	814.9	817.9
2371.1	35°	2311.7	2299.1	2042.0	1448.7	1035.9	840.2	773.3	752.5	734.7	730.7
2520.1	37.5°	2466.9	2461.8	2137.8	1416.8	933.5	774.8	712.9	685.6	659.7	645.5
2684.9	40°	2637.3	2632.2	2200.7	1367.6	842.7	718.0	658.7	622.7	590.7	564.9
2871.5	42.5°	2828.9	2799.0	2230.6	1297.1	765.7	669.8	614.6	565.9	523.8	500.0
3082.5	45°	3038.4	2970.9	2230.1	1207.3	700.8	625.7	567.4	498.4	459.4	437.1
3299.0	47.5°	3260.5	3135.2	2202.7	1107.9	637.9	577.0	494.4	441.7	415.8	402.1
3534.3	50°	3489.7	3288.9	2156.1	993.9	573.5	521.8	448.8	412.8	393.0	380.3
3767.5	52.5°	3705.2	3428.3	2099.8	864.6	508.1	468.0	428.5	400.6	379.8	365.6
3993.7	55°	3905.4	3548.5	2020.2	732.2	454.8	432.0	418.8	395.5	371.7	354.9
4223.4	57.5°	4083.4	3626.6	1882.7	608.0	416.8	407.2	408.7	386.9	359.5	345.3
4449.5	60°	4231.5	3683.9	1679.4	492.9	385.9	382.8	393.0	370.7	338.7	322.5
4640.7	62.5°	4320.2	3682.8	1429.9	403.6	359.5	360.5	372.2	350.4	317.9	302.7
4740.6	65°	4312.6	3592.6	1156.1	345.3	334.2	335.2	350.4	328.1	300.7	291.6
4690.4	67.5°	4160.0	3372.5	886.9	307.3	306.3	310.8	328.6	312.9	290.0	289.0
4391.2	70°	3746.7	2915.6	638.9	276.9	277.4	284.0	307.3	303.2	284.5	286.5
3692.0	72.5°	3004.4	2223.0	429.0	244.9	245.4	256.1	287.0	295.6	278.9	305.8
2619.5	75°	2000.9	1386.3	275.8	210.9	211.4	225.1	269.3	280.9	263.7	304.7
1363.0	77.5°	961.4	623.2	199.8	177.5	177.5	190.2	232.7	251.5	224.6	236.8
438.1	80°	332.1	234.3	157.2	143.0	140.0	148.6	196.2	218.0	193.7	178.5
143.0	82.5°	130.8	121.7	126.3	111.0	100.9	106.5	152.6	180.0	142.5	128.8
80.6	85°	75.0	79.1	89.2	73.5	58.3	65.4	112.1	129.3	107.5	94.8
26.4	87.5°	20.3	27.9	41.1	38.0	26.4	27.9	53.2	71.5	61.9	47.7
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°
1070.4
1097.8
1141.4
1194.1
1242.8
1260.1
1260.6
1238.3
1186.0
1112.0
1034.4
963.4
900.6
822.0
733.7
646.0
567.4
501.5
436.1
399.1
375.7
359.5
348.4
336.2
315.4
298.2
291.1
290.6
286.0
309.8
307.3
217.0
167.3
128.3
96.9
49.2
0.0

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