

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: P946581

Luminaire Tested: **GLAN-SB2A-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-940-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6353 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

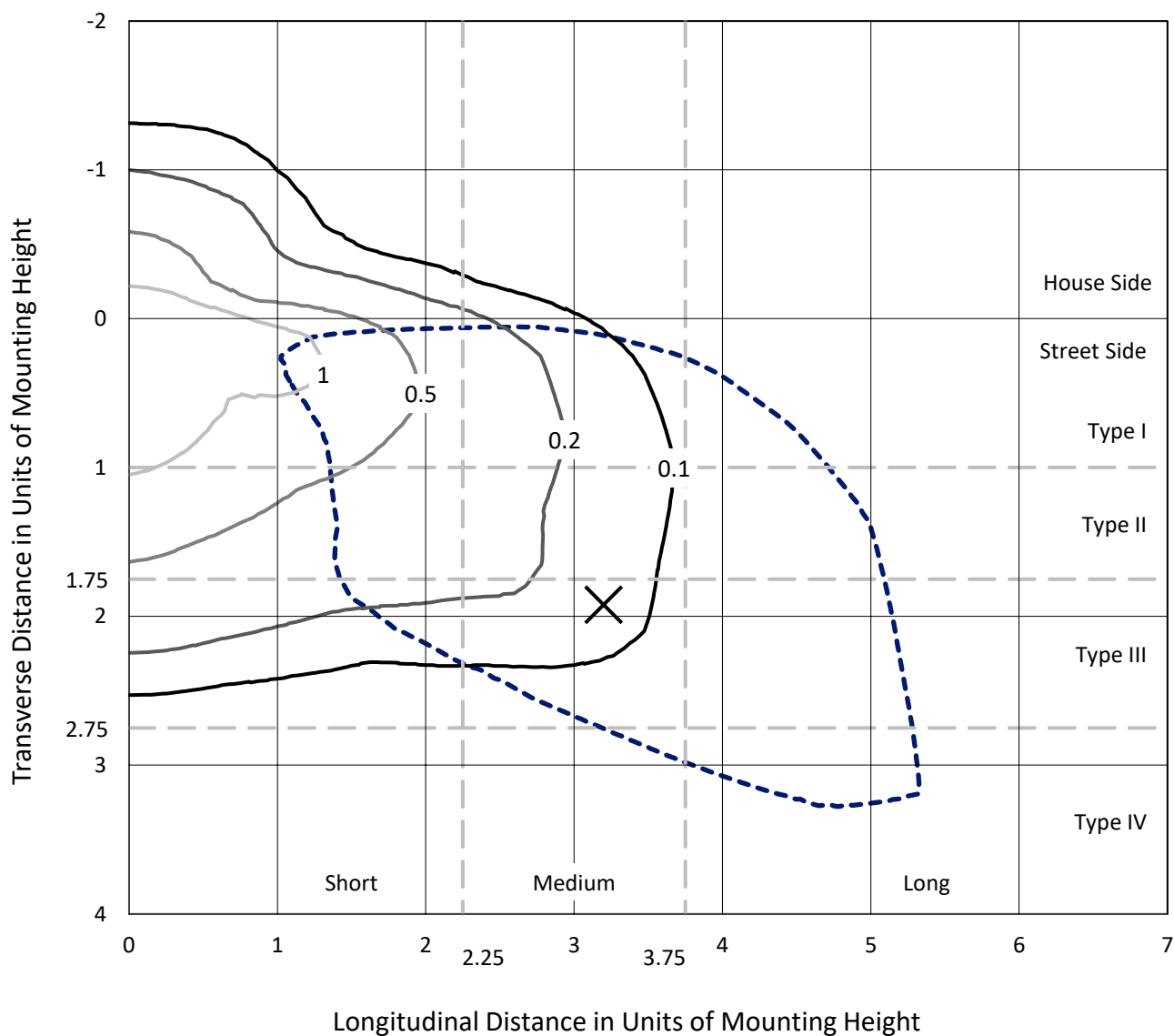
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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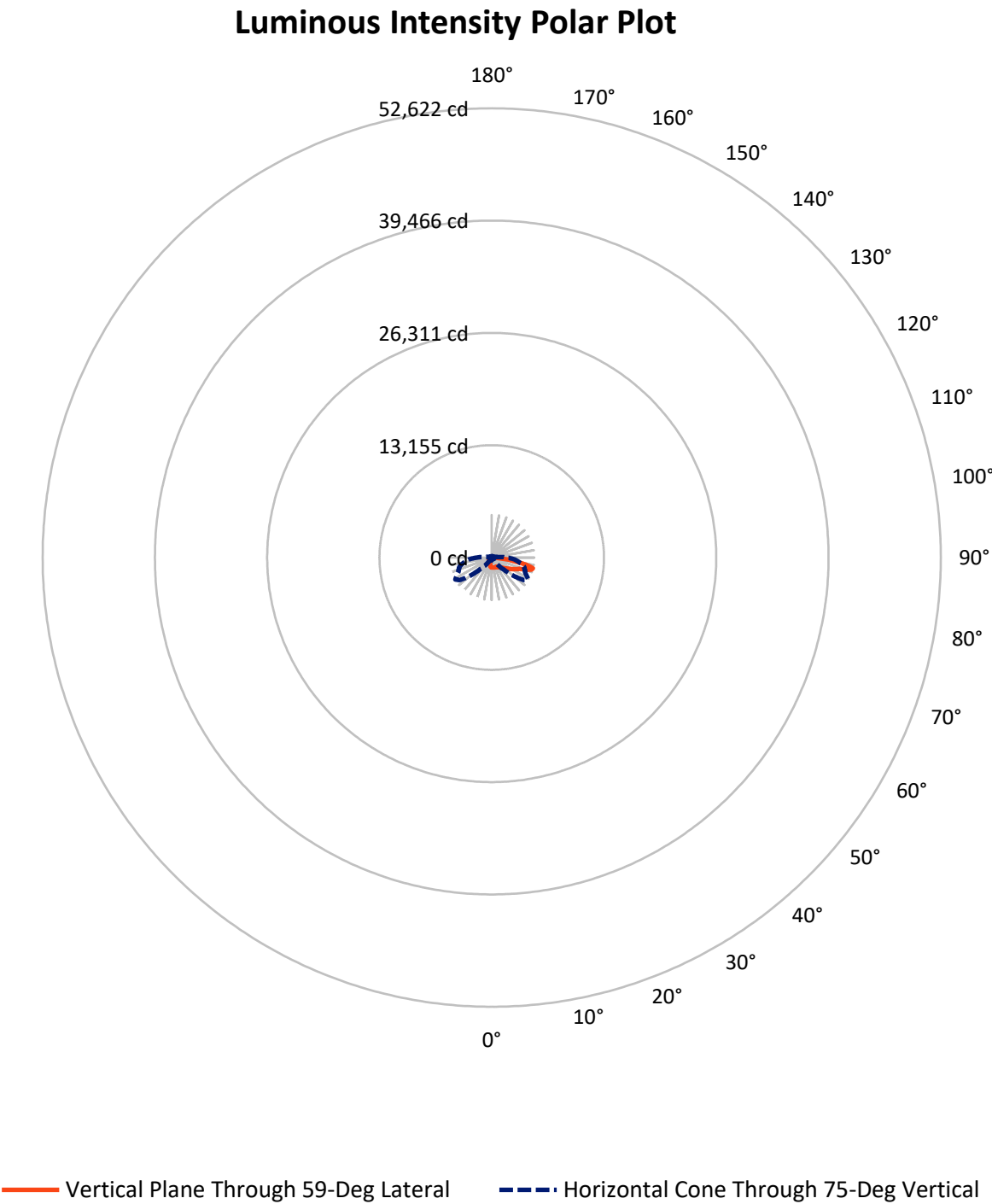
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.6	0.0	1191.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5161.4	0.0	5161.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	6353.0	0.0	6353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	1.6
10°-20°	267.3	4.2
20°-30°	405.9	6.4
30°-40°	603.4	9.5
40°-50°	897.4	14.1
50°-60°	1218.1	19.2
60°-70°	1487.1	23.4
70°-80°	1167.1	18.4
80°-90°	202.2	3.2
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°	6353.0	100.0
0°-180°	6353.0	100.0

Coefficient of Utilization



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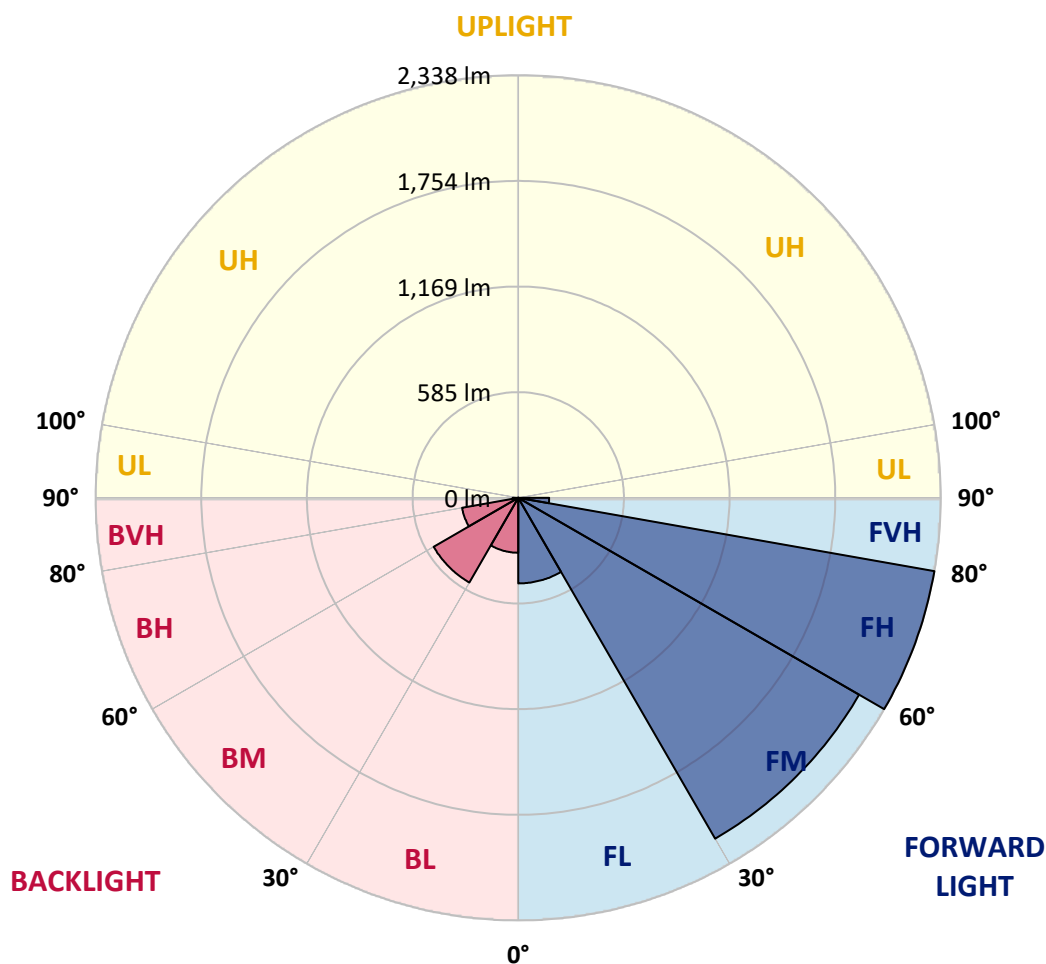
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	473.7	7.5			
FM	(30°-60°)	2178.1	34.3			
FH	(60°-80°)	2338.5	36.8			G2/5000
FVH	(80°-90°)	171.2	2.7			G2/225
BL	(0°-30°)	304.1	4.8	B1/500		
BM	(30°-60°)	540.8	8.5	B1/1000		
BH	(60°-80°)	315.7	5.0	B1/500		G1/500
BVH	(80°-90°)	30.9	0.5			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1
2.5°	1176.0	1171.9	1176.0	1174.3	1173.6	1172.2	1172.6	1175.0	1173.6	1175.3
5°	1168.1	1165.7	1169.8	1168.8	1173.3	1173.9	1178.4	1181.1	1182.8	1183.2
7.5°	1155.1	1152.8	1158.6	1163.3	1172.9	1175.6	1184.9	1189.3	1191.7	1195.8
10°	1107.6	1106.6	1121.0	1139.1	1161.6	1175.6	1189.7	1197.2	1200.9	1211.9
12.5°	1023.6	1024.9	1043.7	1078.6	1123.7	1168.8	1195.1	1206.1	1211.9	1225.5
15°	943.3	942.9	963.4	1000.7	1063.9	1138.7	1197.9	1216.7	1226.6	1246.7
17.5°	896.8	895.4	909.8	938.1	996.9	1092.6	1191.0	1222.5	1243.7	1268.9
20°	888.2	885.5	893.0	907.0	948.7	1042.0	1173.3	1222.5	1257.3	1290.1
22.5°	919.3	914.9	911.8	910.1	928.6	1000.3	1153.1	1218.4	1277.5	1320.6
25°	981.9	975.0	959.3	943.9	938.5	981.5	1135.3	1217.3	1307.6	1361.6
27.5°	1083.0	1074.5	1042.7	1005.8	972.6	991.1	1127.5	1223.5	1340.7	1405.0
30°	1208.5	1199.2	1159.2	1102.5	1043.0	1026.6	1137.4	1241.6	1383.1	1462.7
32.5°	1320.9	1310.6	1276.5	1218.7	1138.4	1088.2	1168.8	1276.1	1449.7	1543.0
35°	1420.7	1408.7	1378.0	1324.7	1255.3	1174.6	1225.5	1337.3	1544.4	1673.6
37.5°	1518.4	1504.4	1470.9	1414.5	1366.0	1289.8	1303.8	1415.9	1670.2	1832.2
40°	1627.8	1607.6	1567.0	1511.3	1464.1	1424.8	1406.7	1512.3	1798.0	2009.2
42.5°	1733.7	1714.6	1666.1	1618.6	1559.4	1548.2	1526.0	1625.1	1937.8	2203.7
45°	1847.9	1825.0	1766.2	1706.1	1668.8	1630.2	1641.5	1737.8	2074.8	2401.9
47.5°	1954.9	1929.2	1859.8	1792.9	1772.4	1699.2	1747.4	1861.9	2217.3	2602.8
50°	2012.6	1987.3	1929.6	1869.1	1853.0	1784.3	1862.2	1998.3	2366.7	2803.1
52.5°	2060.8	2033.5	1957.9	1924.4	1919.7	1876.9	2003.7	2154.1	2516.0	2980.1
55°	2112.1	2081.6	1985.3	1955.2	1977.1	1980.8	2171.5	2330.8	2673.9	3152.7
57.5°	2171.2	2132.6	2011.6	1981.2	2033.1	2102.5	2364.3	2514.0	2829.1	3312.7
60°	2226.9	2187.9	2062.2	2022.5	2093.6	2243.6	2585.4	2735.8	3004.7	3455.2
62.5°	2237.8	2205.7	2102.5	2102.2	2175.6	2408.4	2847.2	2959.6	3158.2	3596.0
65°	2048.5	2028.3	1967.2	2099.1	2293.2	2645.6	3138.7	3246.0	3353.3	3719.0
67.5°	1559.1	1561.8	1557.4	1812.0	2198.2	2986.3	3560.8	3552.6	3594.3	3857.1
70°	712.9	729.0	833.5	1250.8	1761.1	3025.6	4258.6	4152.4	3896.7	4035.8
72.5°	385.2	397.5	440.2	605.9	1058.8	2690.0	4780.2	4855.7	4299.0	4156.1
75°	282.6	289.5	319.2	385.2	444.6	1999.3	4593.2	4980.8	4349.2	3875.5
77.5°	211.5	214.6	238.9	305.2	227.6	1054.0	3670.1	4125.0	3723.1	3184.2
80°	153.4	156.9	175.0	229.0	159.6	385.5	2520.1	2895.4	2549.9	2029.7
82.5°	105.9	107.3	115.2	155.8	111.4	149.7	1429.9	1697.9	1423.4	712.2
85°	63.9	65.6	69.0	90.9	63.2	71.1	617.2	638.4	425.5	170.2
87.5°	26.3	28.0	30.8	38.3	24.9	19.8	101.8	127.8	79.6	49.9
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°
1166.1	0°	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1	1166.1
1169.5	2.5°	1167.8	1165.4	1158.9	1150.0	1141.8	1131.6	1127.1	1123.4	1119.9	1113.4
1178.7	5°	1175.0	1168.5	1151.0	1128.5	1102.9	1074.8	1047.5	1028.7	1012.6	1000.7
1189.3	7.5°	1185.9	1173.6	1141.8	1095.7	1036.9	976.7	922.4	883.8	854.7	844.1
1204.4	10°	1197.2	1182.5	1127.1	1045.8	944.3	851.7	779.6	739.9	716.7	709.1
1222.1	12.5°	1210.5	1189.0	1104.2	976.4	840.7	739.2	676.3	653.1	641.1	637.0
1244.0	15°	1230.0	1194.4	1069.7	889.6	742.0	657.2	616.5	600.5	594.3	594.0
1266.6	17.5°	1244.7	1195.5	1016.0	796.6	666.1	607.6	574.2	568.0	572.1	578.3
1288.8	20°	1261.1	1186.2	945.6	711.9	612.8	564.2	550.2	554.3	564.2	573.1
1318.2	22.5°	1272.7	1169.5	860.5	645.9	566.6	539.3	538.6	547.2	552.6	557.1
1352.7	25°	1283.0	1141.1	770.3	590.6	528.7	524.3	531.8	529.0	525.3	529.0
1387.2	27.5°	1290.5	1096.4	689.7	542.0	502.0	514.0	509.6	503.4	503.1	505.1
1427.9	30°	1288.1	1036.6	623.4	495.9	483.2	494.9	484.3	483.2	482.2	483.2
1489.0	32.5°	1288.1	968.5	572.4	464.1	471.3	466.8	465.8	463.4	459.3	459.0
1572.1	35°	1295.3	900.5	528.7	447.0	461.4	450.8	451.5	445.7	437.1	433.0
1682.1	37.5°	1310.0	845.9	485.3	438.8	443.9	443.6	440.9	431.0	415.9	402.9
1819.5	40°	1345.5	829.8	455.6	435.1	435.7	439.8	432.7	413.5	379.4	358.2
1959.0	42.5°	1401.2	856.8	449.1	425.8	430.3	434.4	420.4	375.9	351.7	339.0
2105.2	45°	1472.0	904.0	463.1	412.5	417.3	424.5	382.8	361.6	350.6	351.0
2250.1	47.5°	1561.5	953.5	489.1	400.9	398.5	402.6	357.8	344.8	329.8	333.6
2389.2	50°	1665.0	1003.7	513.7	385.2	377.6	364.3	341.8	329.5	310.3	301.4
2523.5	52.5°	1777.1	1052.3	523.6	366.0	355.1	339.7	330.8	315.8	292.5	277.8
2650.3	55°	1883.4	1096.4	512.6	343.1	332.5	320.6	319.2	310.0	285.0	264.5
2763.1	57.5°	1983.9	1133.3	485.3	319.9	309.6	302.5	311.7	307.2	275.8	249.5
2869.7	60°	2069.0	1158.6	445.7	296.3	289.1	285.4	299.4	298.0	262.8	233.4
2965.4	62.5°	2136.7	1168.5	401.9	273.7	272.0	265.2	282.3	282.3	246.4	217.7
3049.5	65°	2189.6	1158.9	357.5	251.5	255.0	244.7	261.4	259.4	229.0	203.7
3146.2	67.5°	2236.5	1127.5	308.3	229.7	237.5	224.5	239.6	234.8	209.8	189.7
3230.0	70°	2257.3	1054.3	252.2	207.8	217.4	204.7	217.7	208.8	188.3	174.6
3138.0	72.5°	2089.9	876.3	198.6	184.9	193.1	182.8	194.1	183.9	165.1	158.9
2709.8	75°	1729.0	657.5	152.8	159.9	166.1	158.2	165.8	158.2	141.1	145.6
2001.7	77.5°	1255.6	443.9	116.9	133.6	136.4	132.3	138.8	130.2	114.8	113.8
997.6	80°	624.4	260.1	91.6	105.6	104.6	101.8	109.4	105.3	92.3	97.7
269.3	82.5°	180.8	111.4	66.6	74.2	72.1	72.8	78.3	80.3	120.3	119.3
83.7	85°	56.7	43.7	40.0	41.4	39.3	40.3	46.1	91.6	84.8	49.6
26.0	87.5°	14.7	15.0	9.9	10.6	10.9	13.0	14.7	55.7	26.7	17.4
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°
1166.1
1110.4
990.8
825.7
697.5
638.1
595.3
580.6
576.2
559.5
531.4
508.5
487.0
463.4
437.1
407.4
360.9
339.0
352.7
343.1
303.8
277.5
264.5
248.1
232.4
216.7
202.3
188.3
171.9
153.8
132.9
108.7
96.7
122.0
53.7
18.5
0.0