

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: P946527

Luminaire Tested: **GLAN-SB2A-927-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946527
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-927-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

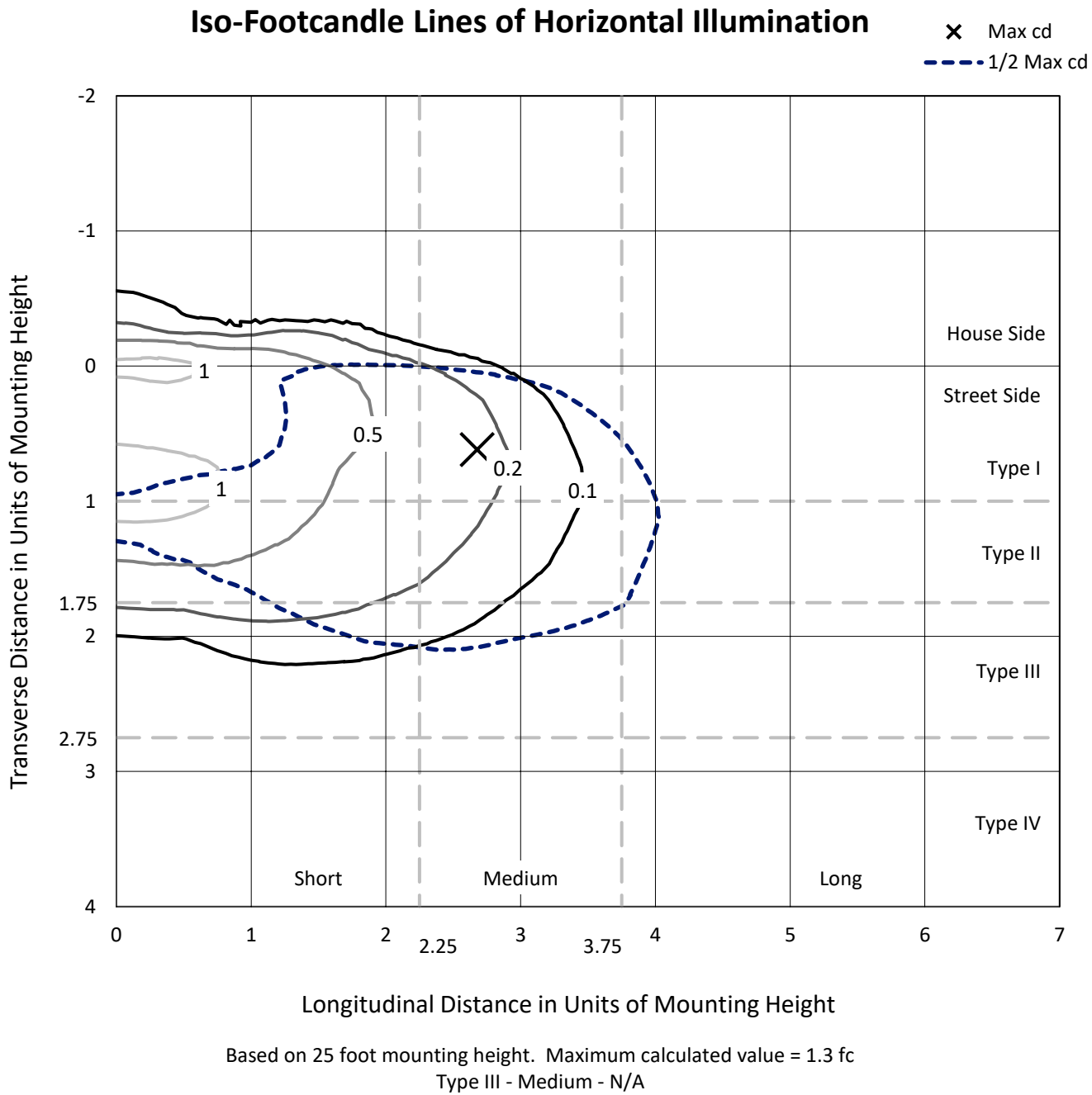
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4546 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

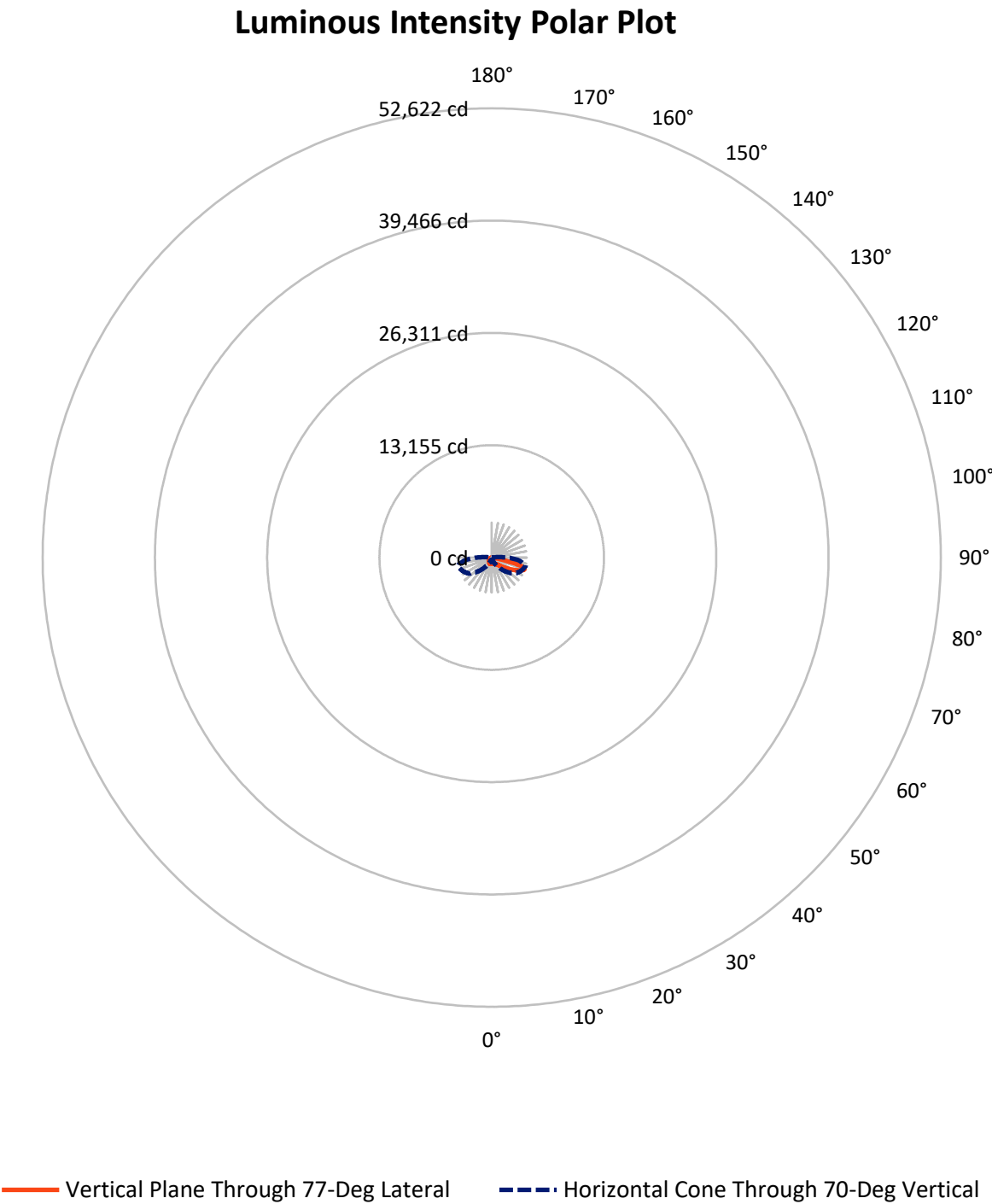
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.2	0.0	479.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4066.8	0.0	4066.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	4546.0	0.0	4546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	1.3
10°-20°	145.1	3.2
20°-30°	224.4	4.9
30°-40°	407.2	9.0
40°-50°	768.6	16.9
50°-60°	1110.5	24.4
60°-70°	1182.1	26.0
70°-80°	626.4	13.8
80°-90°	20.6	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°	4546.0	100.0
0°-180°	4546.0	100.0

Coefficient of Utilization



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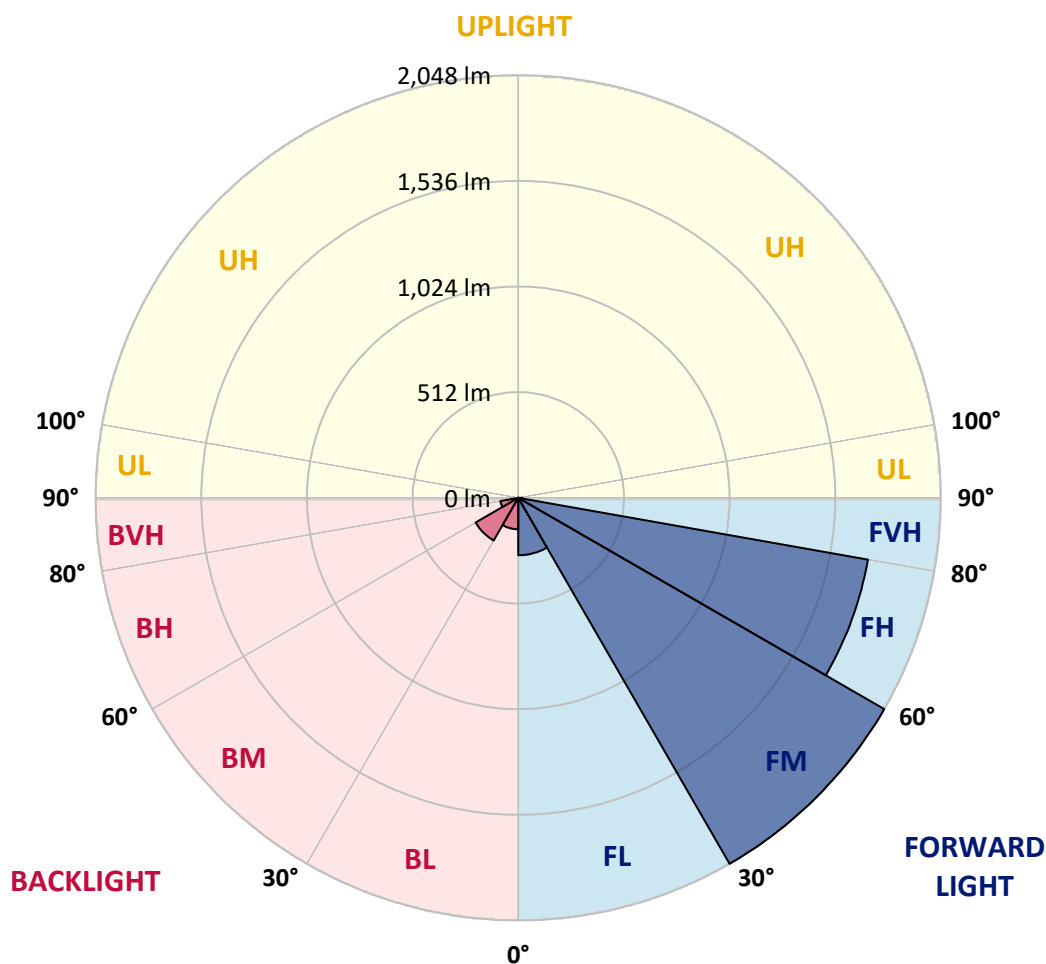
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.3	6.1			
FM	(30°-60°)	2047.7	45.0			
FH	(60°-80°)	1720.7	37.9			G1/1800
FVH	(80°-90°)	20.0	0.4			G1/100
BL	(0°-30°)	152.3	3.3	B1/500		
BM	(30°-60°)	238.6	5.2	B1/1000		
BH	(60°-80°)	87.8	1.9	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1
2.5°	665.7	671.8	670.9	674.9	676.4	682.1	687.8	695.6	704.2	703.9
5°	628.1	634.2	635.6	641.1	647.9	656.8	668.6	684.1	700.2	702.8
7.5°	583.6	590.0	593.7	604.6	617.2	635.6	654.8	677.5	704.2	707.9
10°	539.1	544.9	549.8	565.3	585.4	612.6	643.9	676.7	712.5	718.0
12.5°	511.6	517.0	522.5	536.0	561.0	594.3	636.7	680.7	726.3	734.1
15°	501.8	506.7	511.0	523.1	546.3	584.2	635.3	689.0	743.8	754.2
17.5°	503.3	505.8	508.7	517.9	540.6	579.6	637.9	703.4	764.5	773.7
20°	511.6	513.0	513.3	519.6	539.7	579.0	643.1	717.1	784.0	796.4
22.5°	522.2	522.8	522.2	526.5	545.2	583.4	650.0	733.8	805.8	817.3
25°	571.9	561.0	547.2	538.9	554.4	591.7	660.3	756.2	829.7	840.9
27.5°	726.0	694.7	645.4	590.0	573.3	603.7	674.6	778.9	853.8	863.8
30°	976.4	935.3	851.5	726.6	634.2	629.0	693.3	801.5	879.3	890.2
32.5°	1227.3	1217.2	1120.5	947.7	771.1	685.3	724.3	832.3	913.2	921.8
35°	1481.1	1460.7	1381.4	1210.6	982.1	799.8	776.0	872.4	957.7	967.5
37.5°	1675.4	1663.1	1614.0	1473.3	1232.4	976.7	864.4	934.7	1022.3	1033.2
40°	1847.1	1841.3	1824.7	1732.0	1512.4	1208.0	1001.9	1031.2	1111.9	1124.8
42.5°	1982.0	1995.5	2005.0	1979.1	1800.9	1472.2	1186.8	1166.7	1236.8	1250.0
45°	2120.1	2124.7	2162.9	2200.2	2087.4	1748.3	1395.2	1325.5	1392.1	1408.4
47.5°	2208.8	2227.2	2294.4	2360.1	2328.2	2022.2	1619.1	1512.9	1572.1	1602.8
50°	2215.4	2250.2	2342.6	2457.1	2503.6	2282.9	1862.6	1726.5	1789.4	1823.3
52.5°	2105.5	2159.4	2302.7	2470.3	2598.4	2503.6	2114.4	1940.1	2020.8	2065.0
55°	1614.3	1684.9	2152.5	2398.6	2602.1	2671.0	2359.5	2162.6	2278.6	2328.5
57.5°	1406.4	1442.0	1692.4	2274.0	2532.9	2738.5	2581.2	2374.5	2559.1	2621.1
60°	1170.1	1216.9	1419.3	2070.2	2439.1	2745.1	2776.9	2647.8	2863.1	2932.8
62.5°	795.2	846.0	1047.3	1719.9	2310.7	2741.9	2937.4	2929.1	3201.0	3275.9
65°	492.6	524.5	657.1	1404.4	2131.3	2745.4	3105.4	3270.7	3557.5	3633.6
67.5°	389.3	403.9	473.1	1078.3	1822.1	2667.9	3273.0	3592.0	3893.1	3953.4
70°	261.5	270.4	344.2	722.9	1355.6	2310.2	3269.9	3753.3	4066.0	4096.1
72.5°	137.8	144.7	201.2	334.7	818.8	1642.1	2756.3	3560.4	3894.0	3848.6
75°	68.9	80.4	135.5	170.0	349.7	915.8	1711.6	2807.1	3064.9	2889.2
77.5°	52.2	63.2	112.0	112.0	121.7	308.3	724.9	1531.0	1412.2	1175.9
80°	33.3	43.1	97.9	84.7	50.8	78.4	188.9	428.9	300.0	228.2
82.5°	19.5	28.1	81.5	56.0	28.4	29.0	53.4	91.3	77.8	60.6
85°	7.8	18.4	56.0	22.1	11.2	7.2	16.1	19.5	16.1	12.1
87.5°	0.0	4.3	9.8	0.0	0.9	0.6	1.1	1.4	1.4	1.1
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°
709.1	0°	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1	709.1
709.7	2.5°	712.3	712.8	714.5	714.8	710.8	705.6	703.6	702.8	699.3	699.0
714.3	5°	720.9	723.4	720.9	713.4	695.6	670.6	651.7	636.2	622.1	617.8
730.1	7.5°	738.1	740.7	732.9	703.6	658.9	609.2	564.4	532.8	504.4	493.8
749.3	10°	762.8	766.2	741.8	682.7	603.4	523.6	447.8	394.5	352.8	335.9
775.4	12.5°	793.8	795.2	746.7	650.8	531.4	417.4	310.0	252.9	215.9	202.1
807.0	15°	827.9	825.9	747.3	607.5	433.2	295.1	202.4	166.2	151.3	146.7
838.6	17.5°	863.8	855.5	735.8	544.9	325.6	201.8	150.1	141.5	138.9	137.8
869.9	20°	899.1	880.5	714.8	463.1	233.7	150.7	136.4	133.8	132.3	131.8
901.4	22.5°	931.3	899.4	679.0	368.0	169.7	133.2	128.9	126.6	124.0	122.9
932.2	25°	962.6	910.3	628.4	279.3	135.8	124.6	121.1	116.8	113.4	112.0
965.2	27.5°	993.0	917.2	565.3	206.7	121.1	116.6	110.2	104.2	101.6	101.1
1000.5	30°	1025.5	919.5	493.5	154.2	112.2	106.5	97.3	90.4	89.0	89.3
1048.1	32.5°	1065.1	923.0	421.2	126.3	104.8	94.5	83.5	76.4	75.2	76.4
1117.6	35°	1112.4	929.9	351.4	116.3	98.2	82.1	70.3	64.3	63.2	64.0
1206.6	37.5°	1176.8	941.1	286.2	114.3	92.7	71.8	59.1	54.3	54.3	54.5
1315.7	40°	1262.3	970.9	227.9	112.8	89.9	64.0	50.0	47.9	48.8	49.4
1454.6	42.5°	1366.5	1034.4	188.6	111.1	86.7	60.6	45.4	44.5	45.9	46.5
1621.2	45°	1483.4	1114.7	174.8	108.2	83.8	62.9	43.3	42.2	43.9	44.2
1807.8	47.5°	1604.2	1193.4	173.1	105.1	81.0	66.3	42.8	40.2	42.2	42.5
2007.0	50°	1726.5	1244.8	174.8	100.2	76.4	66.3	43.1	38.2	39.9	40.8
2213.7	52.5°	1849.7	1268.3	173.7	89.6	68.3	62.3	43.1	36.5	38.2	38.8
2437.0	55°	1969.1	1263.7	156.2	73.8	58.0	55.1	41.9	35.0	36.2	36.5
2648.0	57.5°	2063.5	1199.7	123.7	57.4	47.1	45.9	38.2	33.3	34.2	33.9
2841.5	60°	2112.9	1059.0	88.4	44.2	37.0	36.2	33.6	31.0	31.6	30.1
3005.5	62.5°	2113.5	873.0	59.1	35.0	29.6	28.7	28.7	27.8	27.3	24.4
3132.4	65°	2068.4	666.6	39.3	27.8	23.8	22.4	24.1	23.8	21.8	17.8
3171.1	67.5°	1966.2	436.9	29.9	21.8	18.4	17.5	19.2	20.1	18.7	14.9
3029.9	70°	1756.1	254.4	24.7	16.9	13.8	12.9	15.5	17.2	15.5	12.1
2589.8	72.5°	1458.7	137.2	20.1	12.6	9.5	8.6	12.3	14.1	12.3	8.9
1661.6	75°	946.5	73.5	15.5	8.3	4.9	5.5	9.2	10.3	8.6	5.7
487.8	77.5°	317.8	32.4	9.8	4.0	2.3	2.3	5.5	6.3	4.0	2.0
88.7	80°	70.9	13.5	4.0	1.7	0.9	0.9	1.1	1.1	0.6	0.0
27.3	82.5°	23.3	5.5	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0
6.9	85°	8.9	2.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.3	87.5°	3.4	0.3	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°
709.1
699.6
615.2
489.5
328.7
197.8
146.7
137.5
131.2
122.6
111.4
100.5
89.3
76.1
63.7
54.3
49.4
46.5
44.5
42.8
41.1
38.8
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