

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: P945809

Luminaire Tested: **GLAN-SB1C-927-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945809
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-927-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3861 lumens
Efficiency: N/A
Efficacy: 71.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

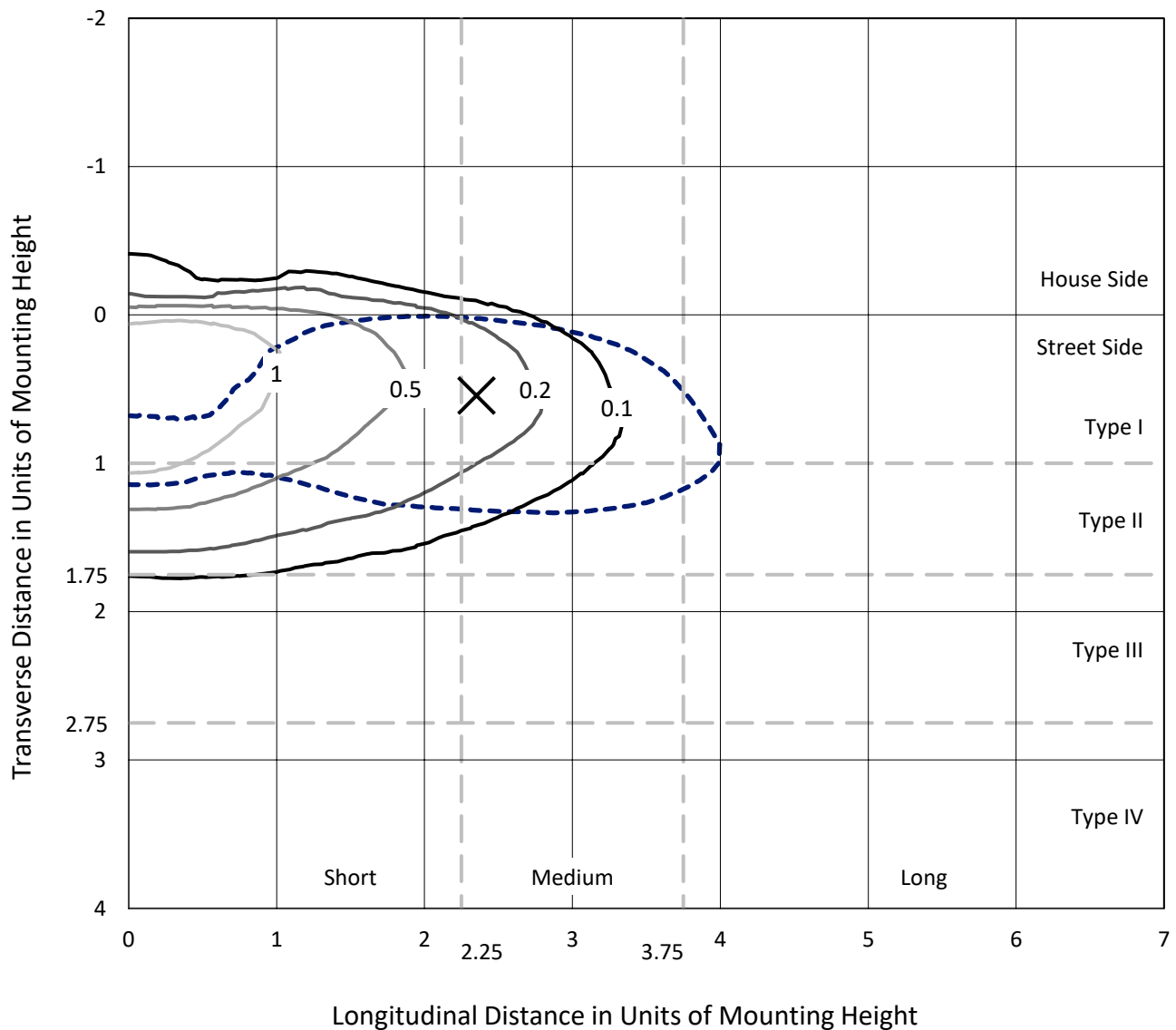
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

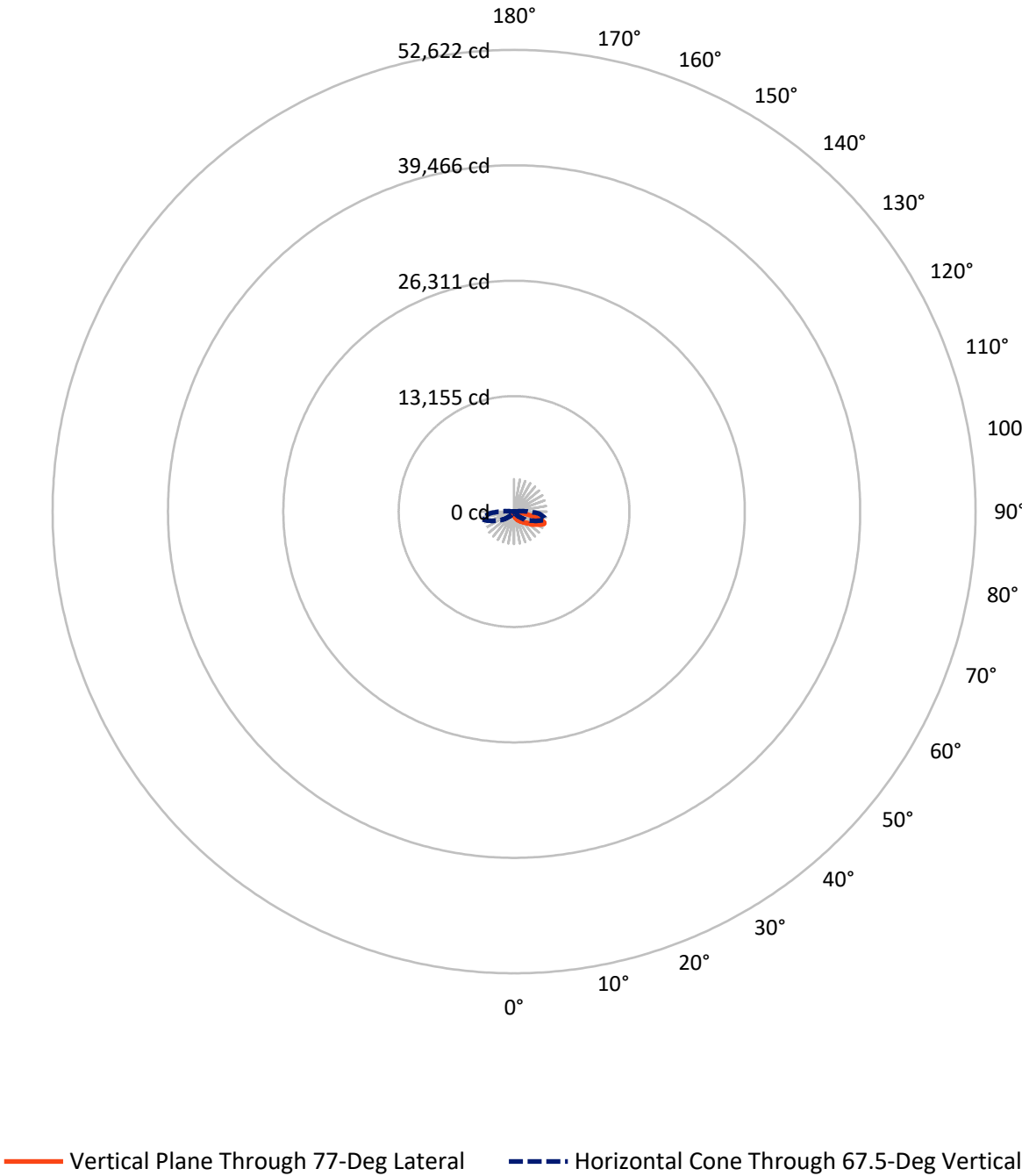
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	284.1	0.0	284.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	3576.9	0.0	3576.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	3861.0	0.0	3861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.2
10°-20°	159.1	4.1
20°-30°	307.1	8.0
30°-40°	533.1	13.8
40°-50°	774.1	20.0
50°-60°	888.9	23.0
60°-70°	771.8	20.0
70°-80°	363.5	9.4
80°-90°	18.0	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°	3861.0	100.0
0°-180°	3861.0	100.0

Coefficient of Utilization



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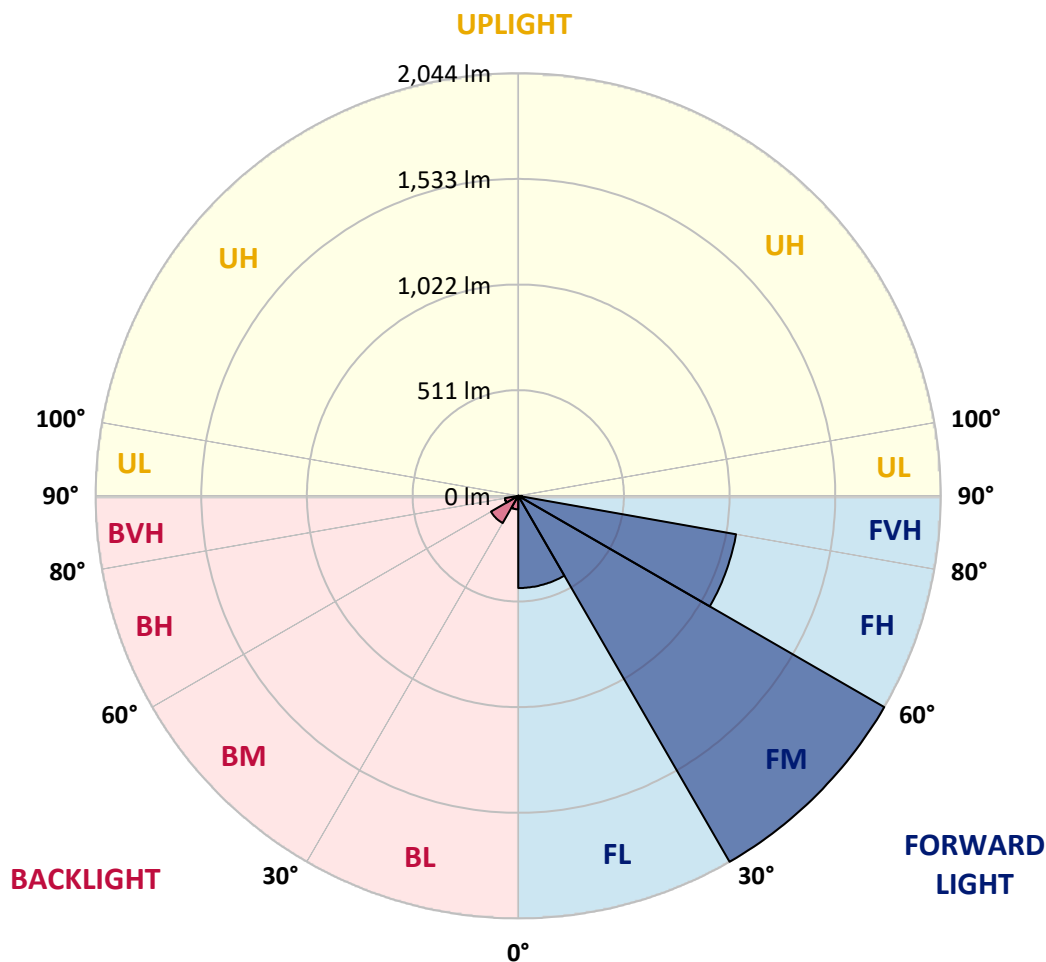
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	445.9	11.5			
FM	(30°-60°)	2043.9	52.9			
FH	(60°-80°)	1069.5	27.7			G1/1800
FVH	(80°-90°)	17.6	0.5			G1/100
BL	(0°-30°)	65.8	1.7	B0/110		
BM	(30°-60°)	152.2	3.9	B0/220		
BH	(60°-80°)	65.8	1.7	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2
2.5°	616.4	620.3	614.7	604.2	588.4	578.1	552.9	529.1	502.8	494.4
5°	751.4	754.8	748.5	737.0	715.9	695.8	662.7	613.1	561.5	545.0
7.5°	851.4	853.3	850.9	840.4	820.2	797.4	760.5	701.8	625.3	607.1
10°	923.3	929.5	928.8	924.7	911.3	892.9	853.5	786.6	696.7	673.2
12.5°	971.0	978.0	982.0	991.2	990.4	978.7	944.2	873.4	767.9	740.4
15°	984.9	992.4	1007.9	1029.0	1047.7	1053.7	1029.5	958.6	846.3	811.1
17.5°	977.0	988.5	1007.2	1040.5	1081.5	1108.6	1106.0	1040.8	917.6	877.3
20°	994.5	1005.5	1020.2	1048.2	1095.9	1145.1	1164.7	1119.4	988.3	946.1
22.5°	1091.4	1089.5	1090.9	1095.5	1124.0	1172.7	1213.2	1190.9	1058.3	1015.1
25°	1244.8	1236.2	1221.6	1196.9	1189.7	1213.2	1255.4	1254.2	1132.1	1085.9
27.5°	1420.8	1419.4	1385.1	1325.6	1292.1	1282.9	1303.1	1315.8	1205.3	1155.9
30°	1589.4	1593.2	1546.9	1480.7	1419.1	1383.4	1365.2	1374.3	1279.6	1231.4
32.5°	1736.1	1740.2	1689.8	1612.4	1536.1	1493.0	1454.6	1432.1	1360.6	1308.1
35°	1860.0	1864.1	1806.3	1720.7	1639.5	1600.4	1557.0	1495.4	1442.1	1393.2
37.5°	1970.8	1969.6	1892.2	1805.9	1726.0	1695.1	1672.3	1573.3	1526.1	1478.8
40°	2036.3	2041.3	1975.1	1879.9	1802.5	1780.0	1778.5	1669.9	1622.9	1577.1
42.5°	2055.4	2064.3	2016.4	1938.2	1868.0	1843.5	1881.1	1774.4	1735.6	1691.0
45°	2020.9	2029.5	2007.7	1953.5	1912.5	1896.7	1969.4	1882.8	1856.0	1811.8
47.5°	1920.2	1931.0	1936.3	1924.8	1924.3	1940.4	2048.5	1996.9	1998.9	1953.8
50°	1725.3	1743.5	1791.9	1832.7	1895.8	1974.9	2125.5	2120.7	2160.0	2121.1
52.5°	1370.9	1396.8	1563.7	1675.2	1816.9	1968.4	2210.1	2319.2	2442.7	2385.8
55°	1101.7	1101.7	1237.4	1446.0	1663.0	1925.7	2247.0	2448.2	2635.2	2621.8
57.5°	898.1	908.9	995.5	1179.8	1440.2	1824.1	2269.8	2529.2	2790.3	2780.5
60°	554.3	577.6	741.1	923.1	1186.8	1643.1	2255.4	2611.2	2978.5	2986.4
62.5°	312.2	320.8	393.7	664.1	922.8	1399.7	2145.4	2657.0	3219.2	3252.8
65°	215.5	219.9	247.9	413.3	639.7	1114.4	1930.3	2628.5	3460.4	3528.3
67.5°	156.6	158.7	176.2	252.5	379.5	808.0	1593.2	2484.6	3588.2	3701.6
70°	120.4	121.8	134.5	165.9	224.2	498.7	1157.1	2198.6	3495.7	3631.1
72.5°	97.8	99.3	109.1	122.8	148.6	294.9	701.3	1785.5	3087.1	3233.4
75°	82.5	84.4	93.3	102.1	116.5	189.4	328.9	1243.4	2321.6	2417.5
77.5°	45.8	42.2	75.8	84.6	98.3	119.9	153.9	731.7	1300.2	1326.8
80°	28.5	29.5	60.2	68.1	75.5	60.4	70.5	281.7	450.7	428.2
82.5°	1.7	3.8	46.3	49.2	51.8	25.9	26.6	95.7	108.6	99.7
85°	0.0	0.0	21.1	17.0	18.0	7.4	7.7	22.3	14.6	15.8
87.5°	0.0	0.0	0.0	0.5	0.0	0.7	1.4	1.9	0.7	1.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
445.2	0°	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2
468.0	2.5°	451.2	434.4	400.4	367.1	340.0	314.8	296.8	279.8	271.2	270.7
498.2	5°	464.9	429.6	361.6	301.4	252.9	214.1	188.9	170.9	161.8	158.7
535.4	7.5°	484.1	431.1	327.5	243.8	186.8	153.4	139.1	133.3	131.4	129.2
577.3	10°	508.3	434.4	297.1	196.4	147.2	130.4	124.7	122.3	120.8	119.4
624.6	12.5°	535.4	437.6	266.9	163.0	129.5	120.8	116.8	113.9	112.0	110.3
673.0	15°	561.8	439.5	235.4	139.8	120.4	113.4	109.1	106.0	103.3	101.4
720.5	17.5°	587.9	442.1	206.0	125.9	112.9	106.0	101.7	97.8	95.7	93.5
770.3	20°	616.9	441.6	178.1	116.0	105.5	98.5	94.0	90.4	88.2	85.8
823.1	22.5°	643.7	439.2	153.7	107.7	97.8	91.1	86.1	82.5	80.3	78.4
877.0	25°	674.7	437.3	133.3	100.0	90.6	83.9	78.4	75.0	72.6	71.0
931.2	27.5°	704.4	434.4	118.4	93.0	83.7	77.2	71.9	68.1	65.9	64.7
987.1	30°	733.7	433.7	112.9	86.3	77.4	71.0	65.7	62.1	60.4	59.9
1048.5	32.5°	768.9	435.6	115.3	83.9	71.7	65.2	60.2	57.5	55.9	55.9
1116.8	35°	806.5	435.2	118.9	86.1	67.9	59.5	55.6	53.9	52.3	52.3
1192.6	37.5°	853.8	435.9	121.8	89.7	66.4	54.7	52.5	50.3	49.4	49.4
1275.5	40°	924.3	459.6	120.4	92.8	65.9	51.3	47.0	46.3	45.6	45.6
1369.3	42.5°	1010.6	511.2	122.3	93.0	65.7	48.9	43.2	44.6	42.9	42.7
1475.0	45°	1105.0	567.5	134.5	88.0	65.5	47.7	41.2	42.9	40.3	40.3
1597.5	47.5°	1198.8	623.4	147.0	80.8	64.7	47.5	39.6	38.6	37.9	38.1
1757.2	50°	1328.0	668.9	151.8	71.0	63.1	47.0	36.4	36.7	36.2	36.7
1982.3	52.5°	1468.8	678.5	146.0	59.9	58.3	45.6	34.3	35.2	35.0	35.5
2140.8	55°	1556.5	668.2	120.6	49.9	50.8	39.8	32.1	34.0	34.0	34.0
2295.7	57.5°	1647.1	624.3	85.6	40.5	42.2	32.6	30.2	32.8	32.6	32.4
2482.2	60°	1712.3	553.4	56.3	33.3	33.6	26.9	28.1	30.9	30.7	29.5
2674.5	62.5°	1761.0	475.0	36.2	28.3	25.7	24.2	25.7	28.1	27.1	24.5
2837.5	65°	1755.5	366.3	27.8	24.2	21.1	21.1	22.3	24.5	21.6	17.3
2868.7	67.5°	1653.1	247.9	23.0	20.4	17.7	17.5	18.5	20.4	18.5	14.6
2709.0	70°	1470.2	162.1	18.5	15.8	14.1	12.9	14.9	17.5	15.6	11.7
2306.2	72.5°	1193.3	98.8	13.9	11.5	10.3	8.4	11.7	14.4	12.5	8.6
1603.7	75°	772.0	50.3	9.6	7.4	5.5	5.0	8.6	10.8	8.6	5.3
711.6	77.5°	295.4	21.1	5.3	3.4	2.9	2.4	4.8	6.5	3.6	1.2
137.9	80°	56.8	8.9	2.6	1.7	1.4	1.0	0.7	0.5	0.0	0.0
24.5	82.5°	9.8	2.9	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
4.8	85°	3.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.7	87.5°	1.2	0.0	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°
445.2
270.2
158.2
128.7
118.9
109.8
101.2
93.3
85.6
78.2
70.7
64.7
59.7
55.9
52.3
49.4
45.6
42.4
40.3
38.1
36.7
35.5
34.0
32.4
29.5
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