

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: P852131

Luminaire Tested: **GLAN-SB1C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5904 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

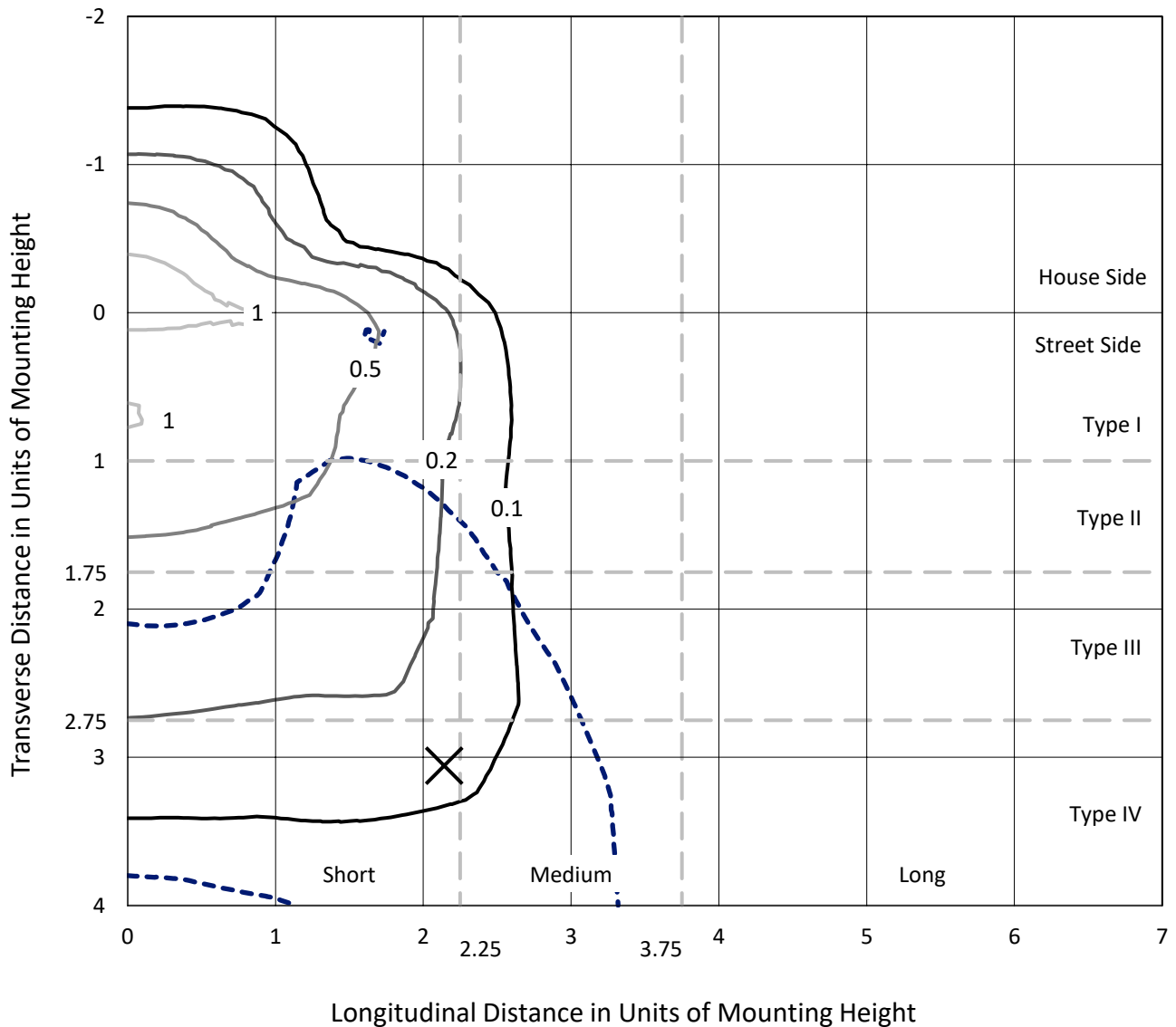
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

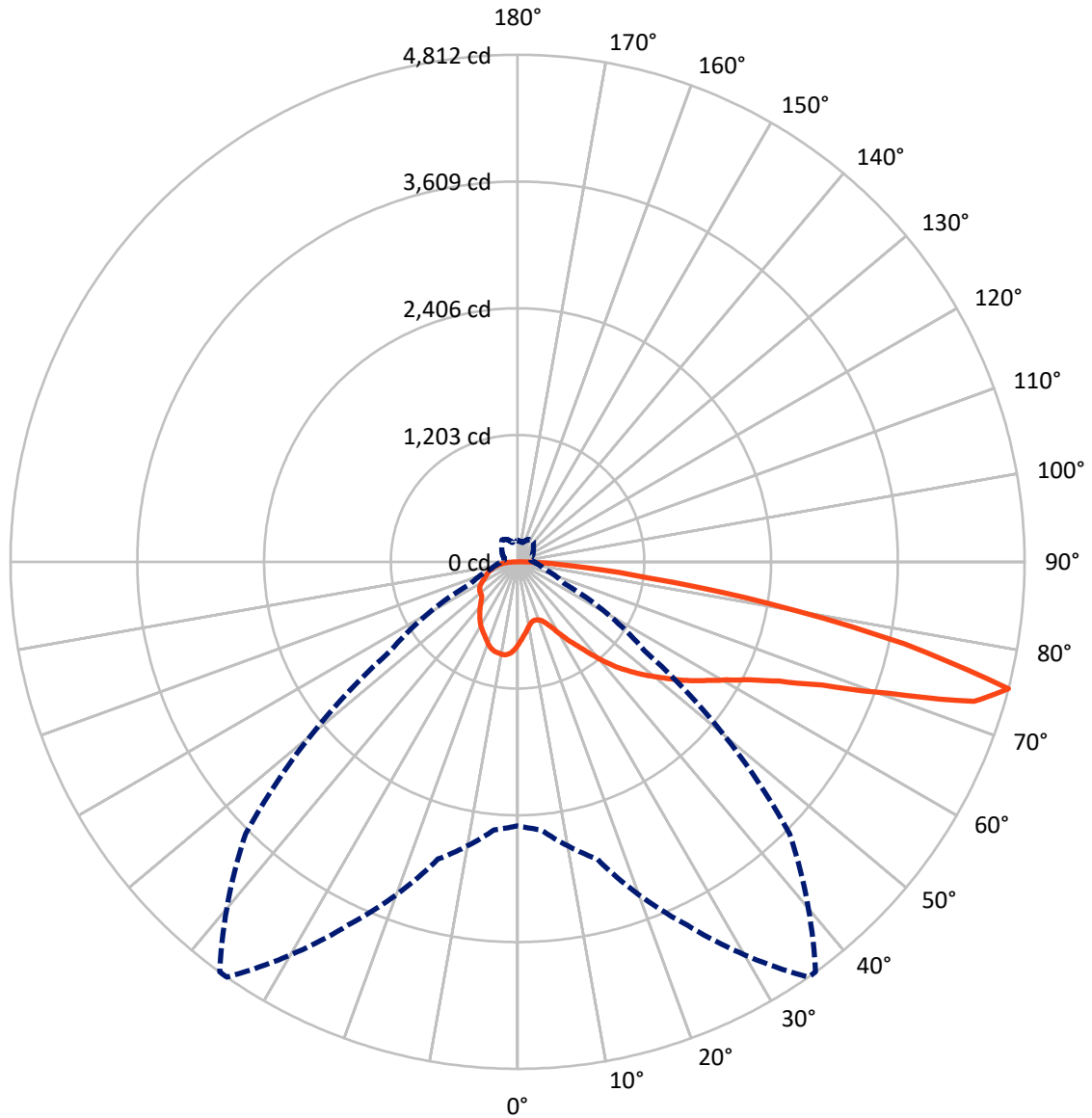
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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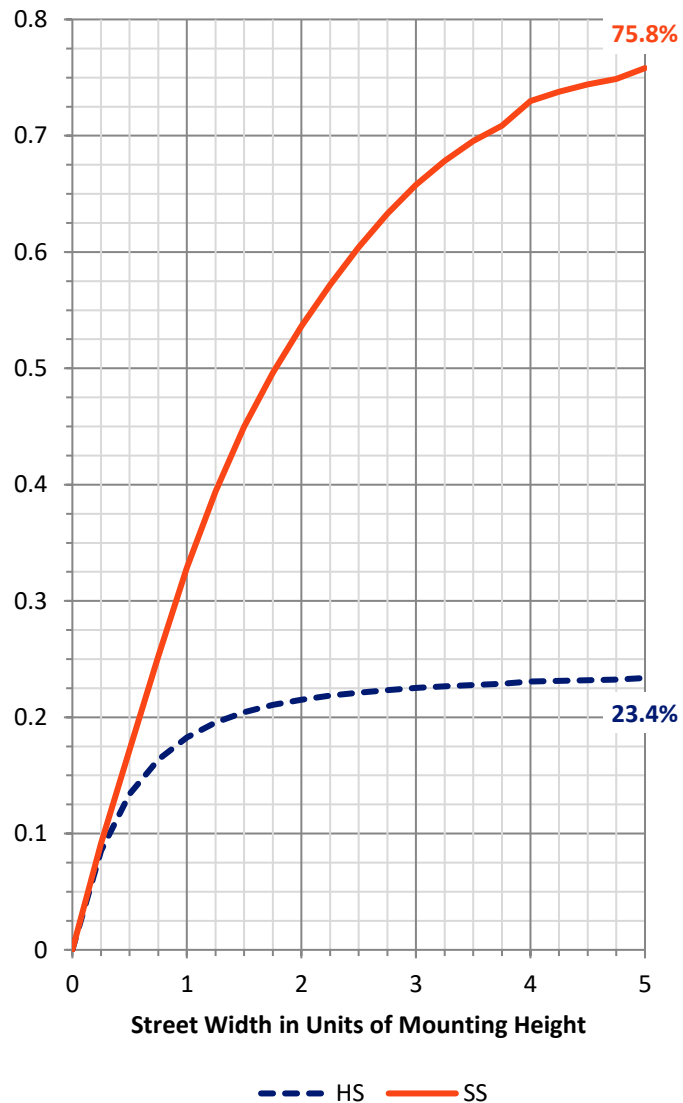
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1405.0	0.0	1405.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4499.0	0.0	4499.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	5904.0	0.0	5904.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	1.3
10°-20°	214.9	3.6
20°-30°	360.8	6.1
30°-40°	560.7	9.5
40°-50°	832.3	14.1
50°-60°	1149.0	19.5
60°-70°	1394.0	23.6
70°-80°	1152.1	19.5
80°-90°	165.7	2.8
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°	5904.0	100.0
0°-180°	5904.0	100.0

Coefficient of Utilization



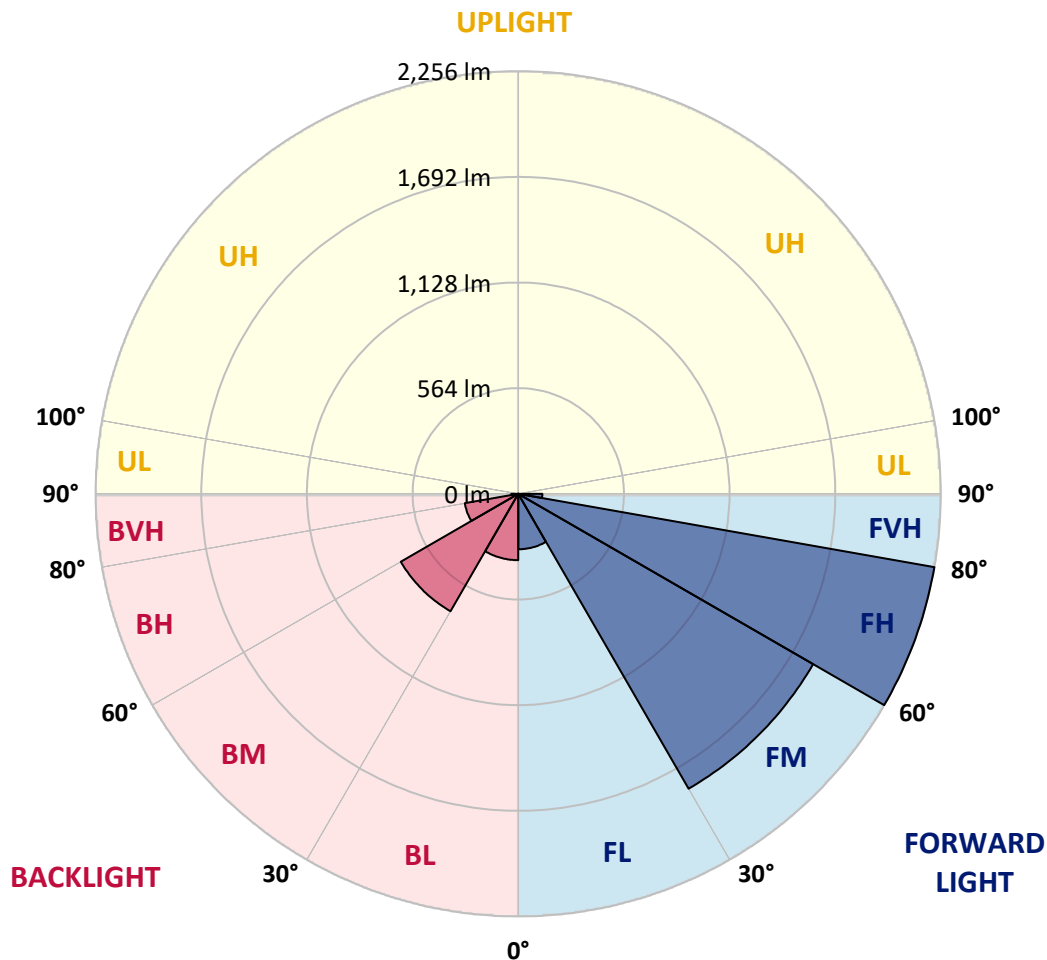
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.1	5.0			
FM (30°-60°)	1818.1	30.8			
FH (60°-80°)	2256.4	38.2			G2/5000
FVH (80°-90°)	128.4	2.2			G2/225
BL (0°-30°)	354.1	6.0	B1/500		
BM (30°-60°)	723.9	12.3	B1/1000		
BH (60°-80°)	289.7	4.9	B1/500		G1/500
BVH (80°-90°)	37.3	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
2.5°	725.5	729.9	731.9	730.9	735.7	735.0	741.7	750.0	761.5	772.7
5°	669.6	674.4	678.6	682.4	691.6	694.5	705.0	721.0	742.1	763.4
7.5°	617.6	621.7	628.1	635.1	650.8	653.7	671.2	696.1	725.5	756.7
10°	575.1	579.3	586.0	594.0	613.4	617.0	639.3	672.5	710.8	750.4
12.5°	556.9	558.2	562.1	570.0	586.9	589.2	613.8	651.7	696.4	745.6
15°	556.0	558.5	558.9	563.0	577.1	578.0	600.7	638.3	687.5	744.6
17.5°	565.6	567.5	564.6	567.2	579.0	580.6	598.4	632.0	684.6	748.8
20°	591.1	592.7	584.1	580.6	589.2	590.5	608.0	636.1	687.5	757.4
22.5°	645.4	646.3	625.2	610.9	611.5	612.2	627.5	653.0	698.7	773.0
25°	729.9	729.3	695.8	668.0	652.1	648.5	658.8	680.5	717.5	793.8
27.5°	828.9	824.1	790.6	749.1	714.3	709.2	707.0	716.2	744.3	821.2
30°	940.6	936.1	900.1	845.8	797.6	789.3	768.2	763.4	784.2	858.6
32.5°	1063.1	1060.3	1017.2	951.4	887.0	877.4	842.0	829.2	845.5	915.1
35°	1165.9	1163.4	1127.6	1060.0	981.1	969.3	933.2	918.9	927.2	987.5
37.5°	1258.8	1257.5	1226.9	1173.6	1092.2	1077.8	1037.3	1032.5	1030.9	1082.9
40°	1345.0	1341.8	1309.9	1281.8	1221.5	1208.4	1172.6	1168.5	1156.3	1200.4
42.5°	1440.4	1432.1	1385.8	1372.7	1356.5	1345.6	1324.2	1324.9	1298.1	1332.8
45°	1518.3	1513.5	1465.9	1458.3	1475.8	1471.4	1489.9	1494.7	1442.6	1471.7
47.5°	1601.9	1597.4	1557.2	1551.8	1599.3	1600.6	1666.1	1667.7	1583.7	1615.9
50°	1705.0	1698.6	1658.7	1665.4	1718.7	1723.5	1843.2	1832.3	1713.6	1762.4
52.5°	1773.0	1776.8	1768.2	1779.0	1851.8	1856.3	2017.5	1989.7	1842.2	1907.0
55°	1823.1	1830.7	1857.6	1882.5	1992.2	1996.7	2181.8	2139.4	1948.8	2041.1
57.5°	1887.6	1876.7	1926.8	1975.3	2125.7	2137.5	2341.7	2283.6	2043.3	2156.6
60°	1980.1	1972.5	2011.4	2083.2	2275.0	2293.9	2510.9	2413.5	2112.6	2248.2
62.5°	2167.8	2148.6	2154.7	2218.2	2463.3	2488.2	2701.8	2526.8	2147.0	2284.0
65°	2448.3	2415.5	2384.8	2428.9	2728.6	2753.1	2917.2	2615.9	2134.3	2214.7
67.5°	2801.7	2769.1	2731.4	2772.9	3119.2	3138.7	3183.1	2666.0	2033.7	1947.9
70°	3093.1	3080.9	3125.9	3296.7	3743.2	3743.8	3523.9	2624.5	1758.3	1381.0
72.5°	3054.4	3047.1	3284.2	3812.1	4529.6	4512.7	3846.6	2310.5	1184.4	623.0
75°	2505.8	2553.3	2920.7	3802.9	4812.1	4809.9	3649.0	1468.8	489.9	258.2
77.5°	1343.7	1419.0	1896.2	2807.7	3756.6	3813.1	2565.5	513.9	210.3	165.3
80°	438.2	504.0	755.8	1429.6	2441.0	2430.5	1099.5	201.7	143.9	117.1
82.5°	186.1	193.7	337.7	675.0	1252.7	1233.3	350.1	115.9	101.2	80.1
85°	72.8	81.4	149.1	312.1	542.6	530.8	126.4	57.5	64.8	52.3
87.5°	23.9	29.0	53.3	106.9	168.8	162.8	31.0	19.8	28.1	23.9
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°
786.7	0°	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7	786.7
789.0	2.5°	793.5	798.6	804.6	813.6	821.2	827.6	834.3	838.5	840.0	844.8
790.3	5°	799.2	810.4	825.4	840.0	854.4	863.0	870.7	874.5	878.0	880.6
793.8	7.5°	808.8	823.1	846.8	865.9	878.0	885.1	890.2	888.9	890.2	890.8
797.6	10°	817.1	837.2	865.3	883.5	892.7	893.0	891.8	887.3	885.1	885.4
803.3	12.5°	827.0	849.3	879.6	894.9	897.5	890.5	885.1	877.4	874.5	873.2
812.0	15°	840.4	865.9	895.3	901.0	894.6	885.7	876.4	864.0	857.6	852.5
826.6	17.5°	856.6	884.7	907.4	903.2	889.5	874.8	859.8	841.0	827.9	822.5
846.8	20°	879.3	904.5	916.6	898.5	877.7	855.4	829.8	806.9	794.7	789.3
872.3	22.5°	906.8	931.0	925.6	890.2	860.8	825.0	793.1	776.2	770.2	766.3
905.2	25°	939.6	960.4	932.0	878.0	833.0	784.8	760.3	754.8	752.0	749.1
945.4	27.5°	982.4	993.6	936.8	860.2	789.6	742.1	733.1	734.1	733.1	728.3
1001.2	30°	1038.9	1036.7	941.2	831.1	739.8	703.4	704.1	708.2	708.9	705.7
1079.1	32.5°	1113.3	1090.6	943.5	793.5	692.3	669.6	670.3	674.7	677.9	672.5
1180.9	35°	1203.3	1153.5	939.9	746.2	655.6	637.4	632.6	633.9	634.8	629.7
1304.4	37.5°	1308.3	1224.0	924.3	693.9	625.2	605.8	595.6	586.9	581.8	577.1
1444.2	40°	1423.5	1300.9	895.6	642.8	591.4	572.3	556.9	540.7	523.4	517.1
1592.3	42.5°	1544.1	1380.1	860.8	594.0	552.5	536.8	520.6	496.9	471.1	458.0
1746.2	45°	1669.2	1461.1	826.6	545.8	512.6	505.9	487.0	458.6	430.6	414.0
1900.3	47.5°	1791.8	1537.7	776.5	497.3	475.2	482.6	467.9	441.7	410.4	384.3
2053.2	50°	1908.9	1609.6	694.5	448.1	444.9	475.6	461.5	423.9	388.1	354.6
2203.2	52.5°	2025.1	1667.7	589.5	403.4	428.6	473.6	453.2	411.7	368.0	332.9
2344.3	55°	2123.7	1697.7	488.3	365.1	405.0	457.4	443.3	397.4	339.6	302.3
2441.0	57.5°	2179.9	1673.4	404.1	327.5	372.5	430.6	426.4	366.7	305.8	277.0
2459.8	60°	2155.7	1575.1	335.1	294.6	341.5	401.5	397.0	336.4	279.9	252.8
2359.0	62.5°	2021.9	1387.7	280.5	265.9	313.4	371.8	367.7	313.1	260.1	233.9
2091.2	65°	1752.5	1128.9	238.1	241.9	285.0	336.1	342.1	293.6	244.5	218.9
1617.9	67.5°	1336.7	817.7	204.9	221.2	257.2	301.0	318.5	279.6	231.4	207.1
936.1	70°	761.9	464.4	176.8	201.1	232.7	268.4	300.3	268.4	217.4	197.2
350.8	72.5°	288.8	213.2	152.9	181.0	209.1	241.0	280.2	250.9	201.1	186.1
181.3	75°	154.2	129.9	128.6	157.3	181.9	214.2	255.0	233.6	188.9	196.6
125.4	77.5°	105.0	91.9	107.6	134.7	152.2	184.5	228.2	207.5	163.7	163.1
86.8	80°	72.8	65.1	87.5	108.5	117.8	155.1	199.2	178.1	133.4	124.5
53.6	82.5°	43.7	42.4	65.4	81.1	83.3	119.7	165.0	149.4	109.2	95.1
31.9	85°	23.9	25.2	41.8	47.6	48.5	83.6	129.3	115.5	83.9	70.5
11.5	87.5°	6.7	8.6	15.3	18.8	23.3	43.4	76.9	68.6	42.1	29.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
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786.7
844.5
881.2
891.8
886.0
872.6
854.1
822.8
788.7
767.0
749.1
729.3
707.3
675.0
633.2
580.2
519.9
459.6
412.7
381.4
351.7
329.1
299.1
273.2
249.0
229.8
214.8
203.3
194.7
183.5
203.0
150.3
119.0
95.8
71.2
29.4
0.0

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