

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: McGRAW-EDISON

Report Number: P942408

Luminaire Tested: **GALN-SB6B-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15737 lumens
Efficiency: N/A
Efficacy: 71.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

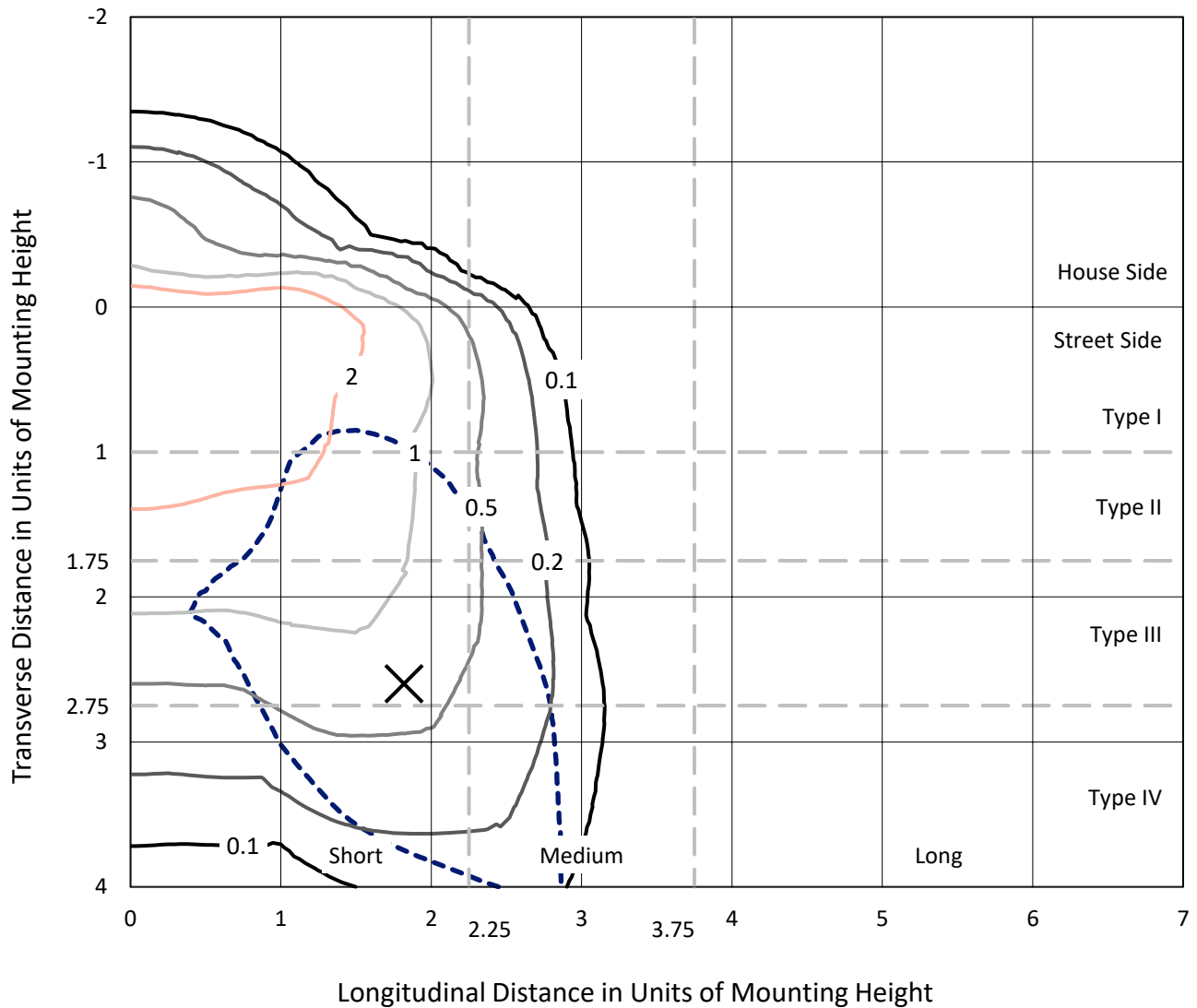
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

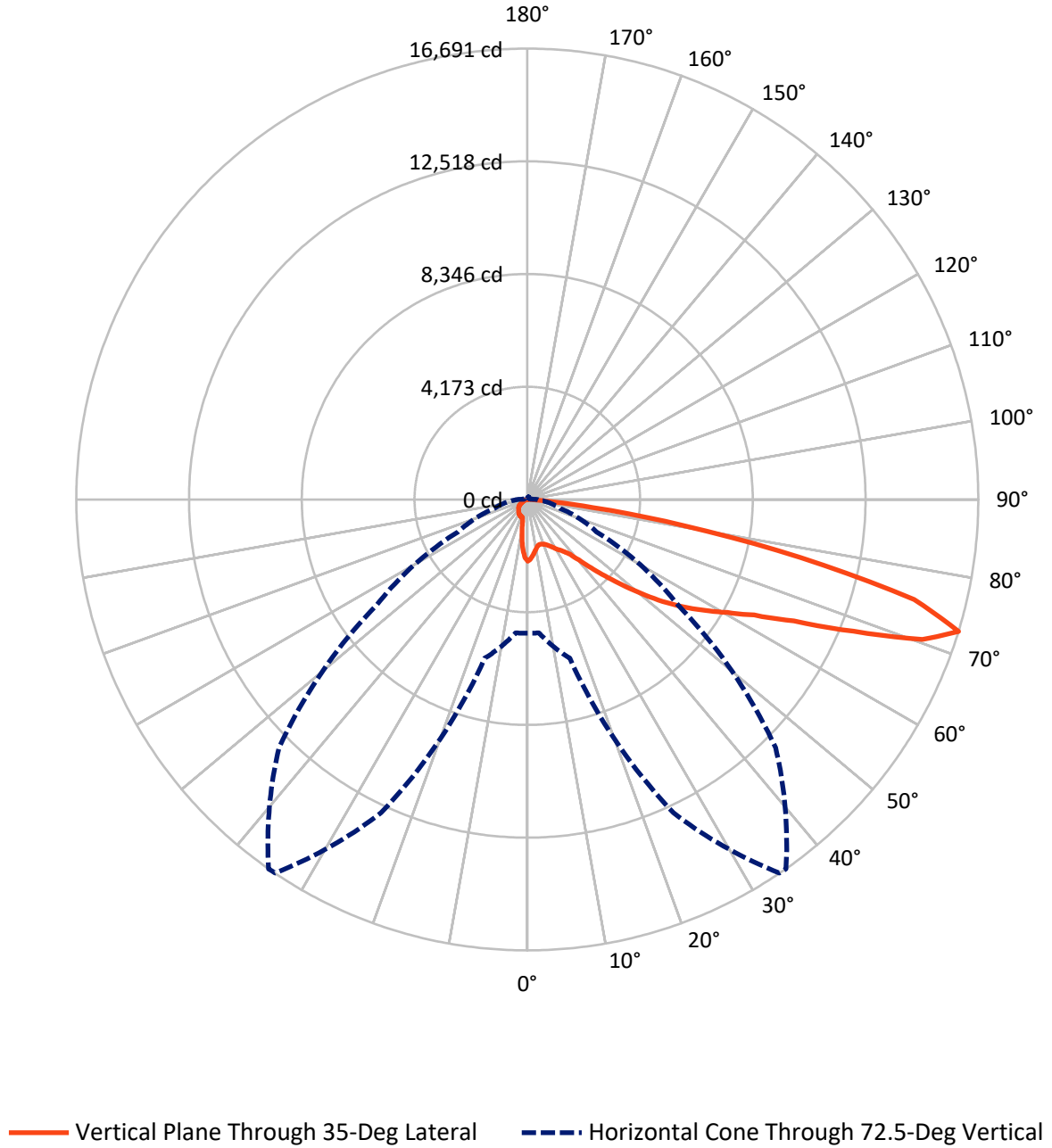
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1771.1	0.0	1771.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	13965.9	0.0	13965.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	15737.0	0.0	15737.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	1.2
10°-20°	438.5	2.8
20°-30°	712.3	4.5
30°-40°	1188.4	7.6
40°-50°	2248.5	14.3
50°-60°	3572.8	22.7
60°-70°	4419.8	28.1
70°-80°	2747.4	17.5
80°-90°	222.0	1.4
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°	15737.0	100.0
0°-180°	15737.0	100.0

Coefficient of Utilization



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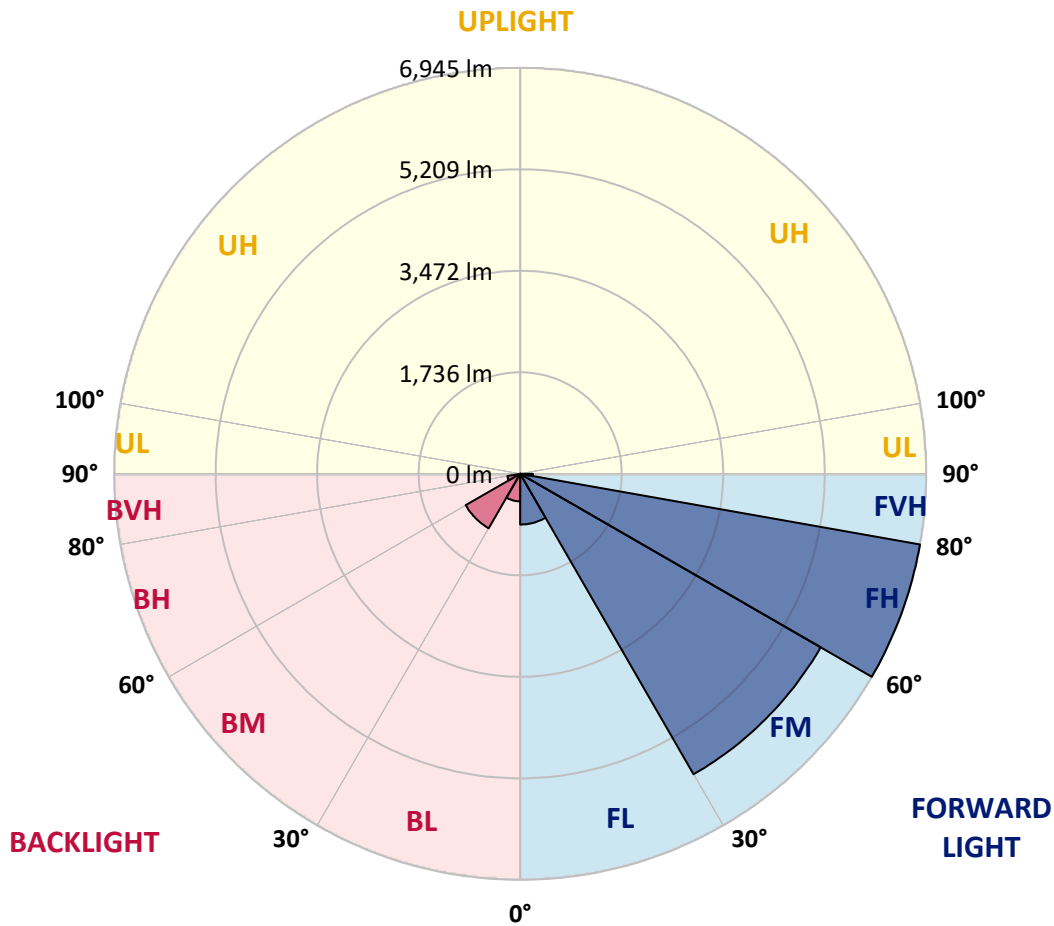
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	867.5	5.5			
FM (30°-60°)	5934.4	37.7			
FH (60°-80°)	6944.9	44.1			G3/7500
FVH (80°-90°)	219.0	1.4			G2/225
BL (0°-30°)	470.6	3.0	B1/500		
BM (30°-60°)	1075.2	6.8	B2/2500		
BH (60°-80°)	222.3	1.4	B1/500		G1/500
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8
2.5°	2179.3	2197.8	2201.3	2207.0	2207.0	2213.9	2225.5	2241.6	2268.1	2282.0
5°	2008.7	2022.5	2039.8	2053.7	2080.2	2083.6	2128.6	2172.4	2233.5	2279.7
7.5°	1836.9	1853.0	1876.1	1909.5	1944.1	1954.5	2022.5	2096.3	2193.2	2279.7
10°	1715.8	1717.0	1737.7	1771.2	1826.5	1839.2	1922.2	2027.1	2148.2	2265.8
12.5°	1647.8	1655.8	1665.1	1690.4	1743.5	1751.5	1840.3	1963.7	2103.2	2257.8
15°	1647.8	1653.5	1659.3	1672.0	1714.7	1721.6	1800.0	1923.4	2080.2	2261.2
17.5°	1665.1	1674.3	1669.7	1684.7	1729.6	1734.3	1803.4	1911.8	2079.0	2283.1
20°	1706.6	1713.5	1704.3	1713.5	1758.5	1767.7	1839.2	1933.7	2098.6	2321.2
22.5°	1772.3	1775.8	1753.9	1760.8	1806.9	1818.4	1901.5	1996.0	2145.9	2382.3
25°	1855.3	1862.2	1828.8	1836.9	1880.7	1894.5	1990.2	2089.4	2220.9	2466.5
27.5°	1951.0	1954.5	1925.7	1924.5	1981.0	2000.6	2097.5	2204.7	2321.2	2572.6
30°	2060.6	2071.0	2043.3	2038.7	2110.2	2126.3	2222.0	2346.5	2468.8	2731.7
32.5°	2147.1	2155.1	2139.0	2150.5	2223.2	2235.8	2373.1	2547.2	2700.5	2957.7
35°	2271.6	2276.2	2239.3	2260.1	2343.1	2375.4	2579.5	2828.5	2992.3	3241.3
37.5°	2722.5	2722.5	2565.6	2463.0	2542.6	2571.4	2862.0	3182.5	3352.0	3621.9
40°	3346.3	3335.9	3106.4	2896.6	2886.2	2942.7	3264.4	3628.8	3816.7	4078.5
42.5°	4011.6	3995.5	3683.0	3475.4	3440.8	3460.4	3729.1	4178.8	4370.2	4635.4
45°	4602.0	4597.4	4311.4	4032.4	3970.1	4032.4	4309.1	4822.2	4959.5	5238.5
47.5°	5096.7	5096.7	4888.0	4705.8	4673.5	4710.4	5094.4	5536.0	5523.3	5880.8
50°	5666.3	5661.7	5463.4	5384.9	5418.4	5470.3	5998.4	6287.8	6106.8	6511.5
52.5°	6065.3	6092.9	6024.9	6012.2	6182.9	6272.8	6916.3	7023.5	6629.1	7110.0
55°	6381.2	6413.5	6491.9	6580.7	6909.3	7027.0	7805.3	7721.1	7066.2	7628.9
57.5°	6828.6	6782.5	6903.6	7078.8	7610.4	7752.2	8666.7	8379.5	7417.9	8049.7
60°	7371.7	7378.6	7399.4	7620.8	8310.3	8492.5	9515.3	9002.2	7643.9	8308.0
62.5°	8024.4	8034.8	8077.4	8417.6	9250.1	9421.9	10419.4	9511.9	7747.6	8235.4
65°	7979.4	8023.2	8499.5	9662.9	10678.8	10848.3	11474.4	9869.3	7590.8	7571.2
67.5°	7269.1	7340.6	8137.4	11150.4	12832.8	13021.9	12749.8	9939.7	6913.9	5887.7
70°	6337.4	6362.8	7321.0	12488.0	15326.9	15518.3	13891.3	9165.9	5246.6	3284.0
72.5°	4949.1	4954.8	6079.1	12798.2	16680.7	16691.0	12995.4	6804.4	2821.6	1261.5
75°	3535.4	3500.8	4071.6	10379.0	14675.4	14793.0	9742.5	3191.8	1078.1	596.1
77.5°	1895.7	1933.7	2303.9	6155.2	10138.0	10338.6	5315.8	920.2	548.9	405.9
80°	585.8	618.1	944.4	2818.2	5742.4	5863.5	1970.6	409.3	382.8	289.4
82.5°	184.5	191.4	440.5	1184.2	2383.4	2438.8	570.8	231.8	261.8	191.4
85°	53.0	54.2	196.0	441.6	589.2	600.8	160.3	89.9	149.9	118.8
87.5°	5.8	18.4	73.8	73.8	51.9	50.7	17.3	19.6	42.7	15.0
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°
2280.8	0°	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8	2280.8
2291.2	2.5°	2285.4	2286.6	2271.6	2246.2	2218.6	2195.5	2166.7	2143.6	2127.5	2122.8
2312.0	5°	2301.6	2293.5	2250.8	2173.6	2081.3	2001.8	1913.0	1842.6	1796.5	1776.9
2333.9	7.5°	2325.8	2302.7	2209.3	2057.1	1880.7	1723.9	1564.7	1441.4	1363.0	1323.8
2354.6	10°	2346.5	2300.4	2140.1	1888.8	1618.9	1381.4	1166.9	1018.2	935.2	896.0
2378.8	12.5°	2366.1	2299.3	2050.2	1689.3	1323.8	1033.2	833.7	759.9	736.8	728.8
2418.0	15°	2403.0	2302.7	1937.2	1461.0	1029.7	780.6	708.0	706.8	711.5	709.2
2478.0	17.5°	2453.8	2306.2	1809.2	1218.8	794.5	688.4	684.9	695.3	702.2	698.8
2552.9	20°	2519.5	2320.0	1673.1	979.0	682.6	665.3	673.4	682.6	688.4	682.6
2653.3	22.5°	2611.8	2344.2	1524.4	786.4	646.9	651.5	658.4	668.8	674.6	666.5
2781.3	25°	2724.8	2382.3	1377.9	683.8	629.6	635.4	645.7	657.3	664.2	656.1
2942.7	27.5°	2871.2	2443.4	1243.0	660.7	612.3	615.8	630.7	648.0	657.3	646.9
3172.2	30°	3083.4	2543.7	1126.6	671.1	601.9	593.8	614.6	638.8	649.2	640.0
3484.6	32.5°	3364.7	2685.6	1055.1	687.2	597.3	568.5	588.1	619.2	636.5	630.7
3892.8	35°	3733.7	2901.2	1027.4	705.7	593.8	542.0	555.8	589.2	619.2	625.0
4407.1	37.5°	4181.1	3201.0	1035.5	713.8	583.5	520.0	527.0	555.8	595.0	613.4
4986.0	40°	4689.6	3550.4	1081.6	705.7	571.9	501.6	502.7	524.7	559.3	586.9
5608.6	42.5°	5214.3	3958.6	1166.9	675.7	561.6	485.5	482.0	497.0	520.0	539.6
6230.2	45°	5713.6	4378.3	1251.1	634.2	548.9	469.3	461.2	467.0	471.6	479.7
6835.5	47.5°	6149.4	4673.5	1226.9	596.1	531.6	450.9	437.0	434.7	420.9	419.7
7376.3	50°	6450.4	4738.1	1089.7	558.1	506.2	430.1	408.2	394.4	370.1	358.6
7781.1	52.5°	6546.1	4483.2	890.2	520.0	464.7	402.4	371.3	349.4	319.4	309.0
8014.0	55°	6419.3	3983.9	711.5	473.9	407.0	365.5	330.9	302.1	277.9	265.2
8039.4	57.5°	6109.1	3348.6	562.7	419.7	345.9	324.0	289.4	260.6	239.8	227.2
7758.0	60°	5594.8	2659.0	445.1	355.2	295.2	279.0	243.3	224.9	206.4	191.4
7031.6	62.5°	4814.2	1898.0	349.4	281.4	246.8	228.3	207.6	193.7	171.8	151.1
5725.1	65°	3756.8	1161.2	269.8	206.4	198.3	189.1	176.4	163.7	137.2	116.5
3734.9	67.5°	2369.6	550.0	192.6	155.7	156.8	152.2	146.4	136.1	116.5	98.0
1673.1	70°	1043.5	266.4	126.8	118.8	116.5	116.5	121.1	117.6	99.2	81.9
581.2	72.5°	355.2	143.0	94.6	89.9	84.2	83.0	101.5	98.0	79.6	63.4
289.4	75°	185.6	95.7	69.2	64.6	50.7	61.1	80.7	76.1	56.5	41.5
191.4	77.5°	121.1	68.0	47.3	41.5	28.8	40.4	60.0	53.0	33.4	20.8
125.7	80°	76.1	45.0	27.7	19.6	13.8	21.9	32.3	23.1	12.7	4.6
73.8	82.5°	40.4	23.1	10.4	6.9	5.8	6.9	8.1	5.8	2.3	0.0
38.1	85°	16.1	8.1	3.5	2.3	1.2	0.0	2.3	1.2	0.0	0.0
6.9	87.5°	5.8	1.2	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

(END O

180°
2280.8
2130.9
1783.8
1329.5
897.1
726.4
708.0
697.6
681.5
665.3
655.0
646.9
638.8
630.7
625.0
618.1
596.1
547.7
484.3
418.6
359.8
307.9
265.2
224.9
188.0
147.6
113.0
95.7
78.4
60.0
38.1
18.4
3.5
0.0
0.0
0.0
0.0

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