

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: P942928

Luminaire Tested: **GALN-SB7A-930-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942928
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-SB7A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA 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: 16803 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

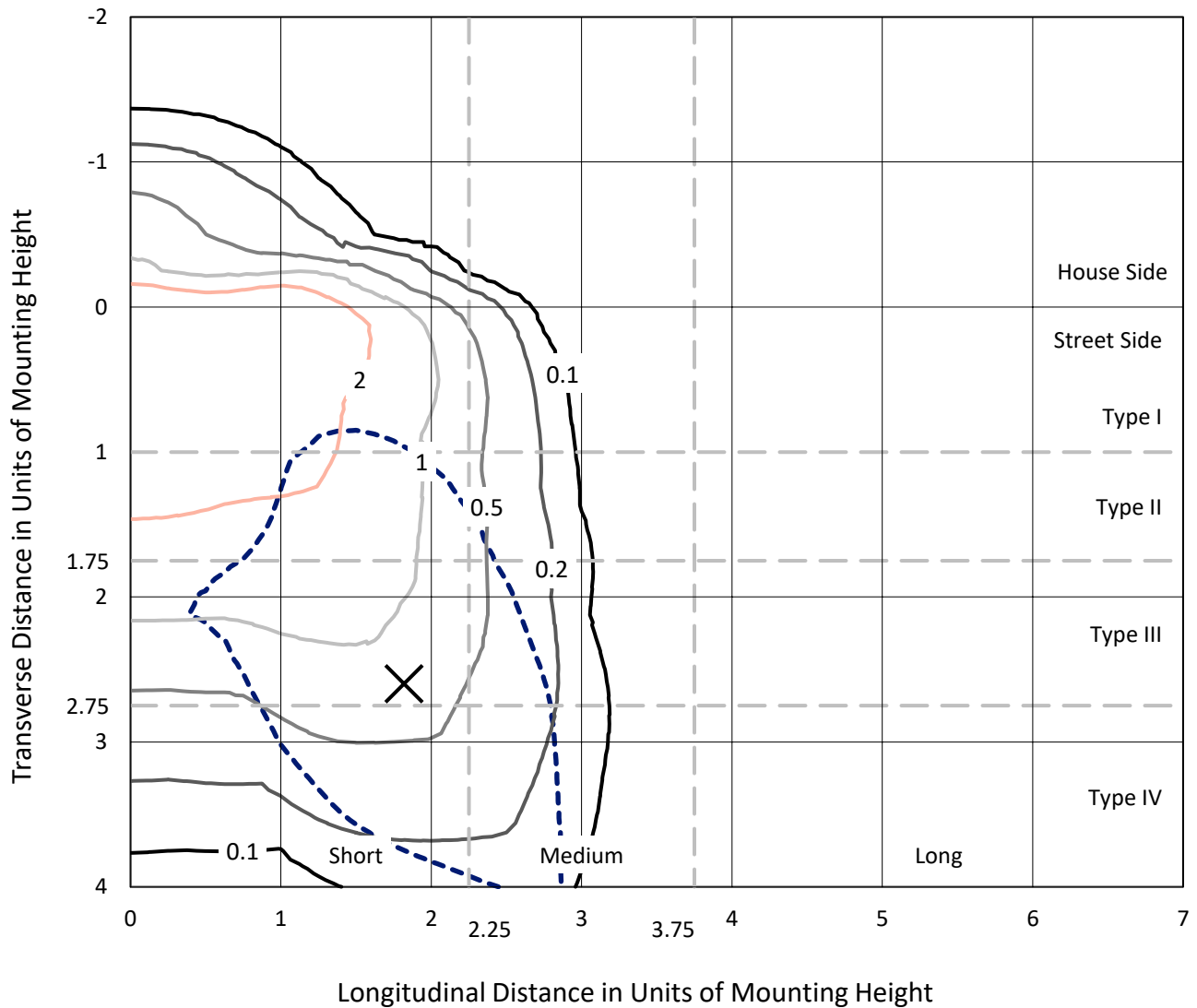
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

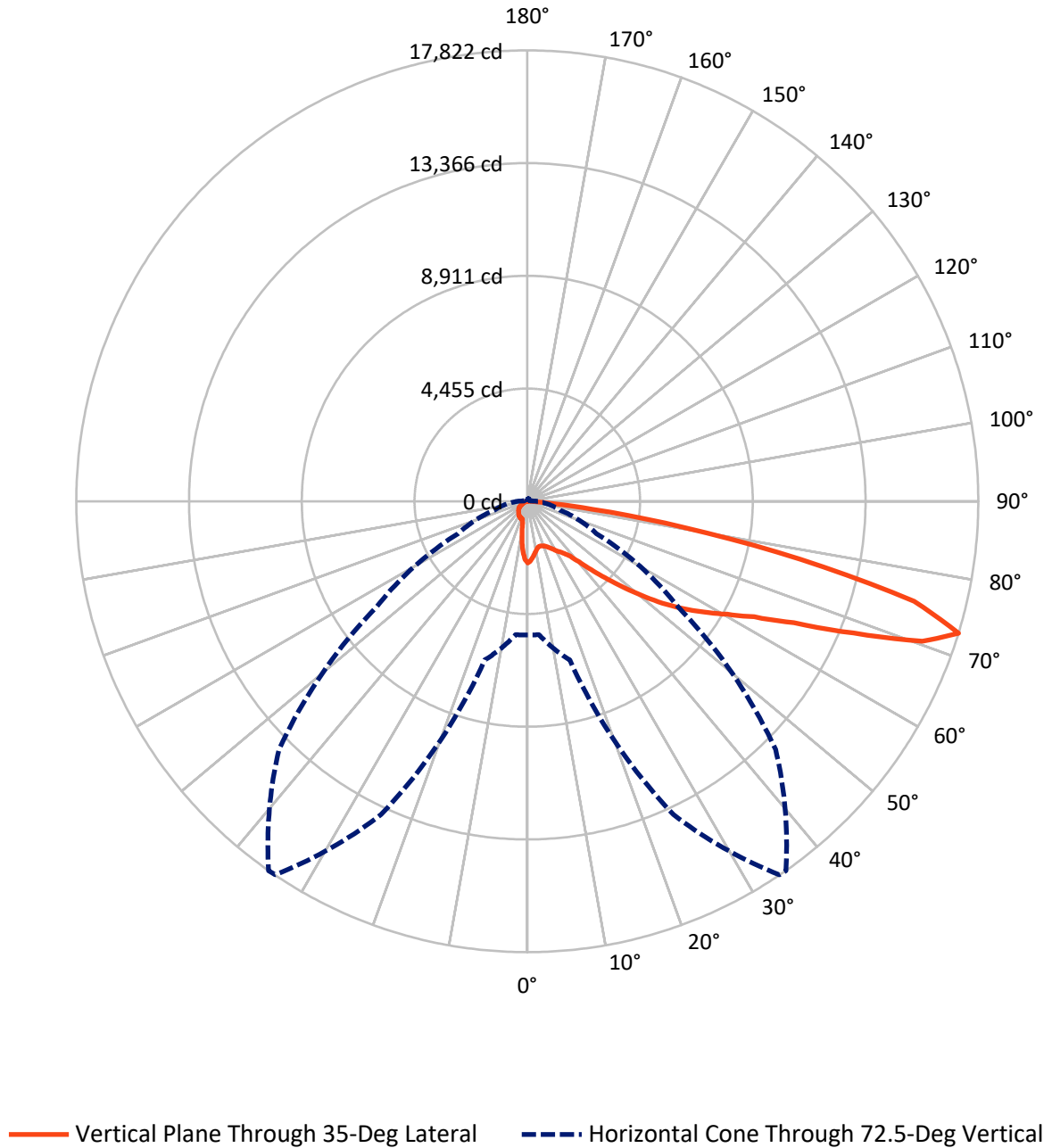
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	1891.1	0.0	1891.1
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	14911.9	0.0	14911.9
	% Fixture	88.7	0.0	88.7
Total	Lumens	16803.0	0.0	16803.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.1	1.2
10°-20°	468.2	2.8
20°-30°	760.5	4.5
30°-40°	1268.9	7.6
40°-50°	2400.8	14.3
50°-60°	3814.8	22.7
60°-70°	4719.2	28.1
70°-80°	2933.5	17.5
80°-90°	237.1	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°	16803.0	100.0
0°-180°	16803.0	100.0

Coefficient of Utilization



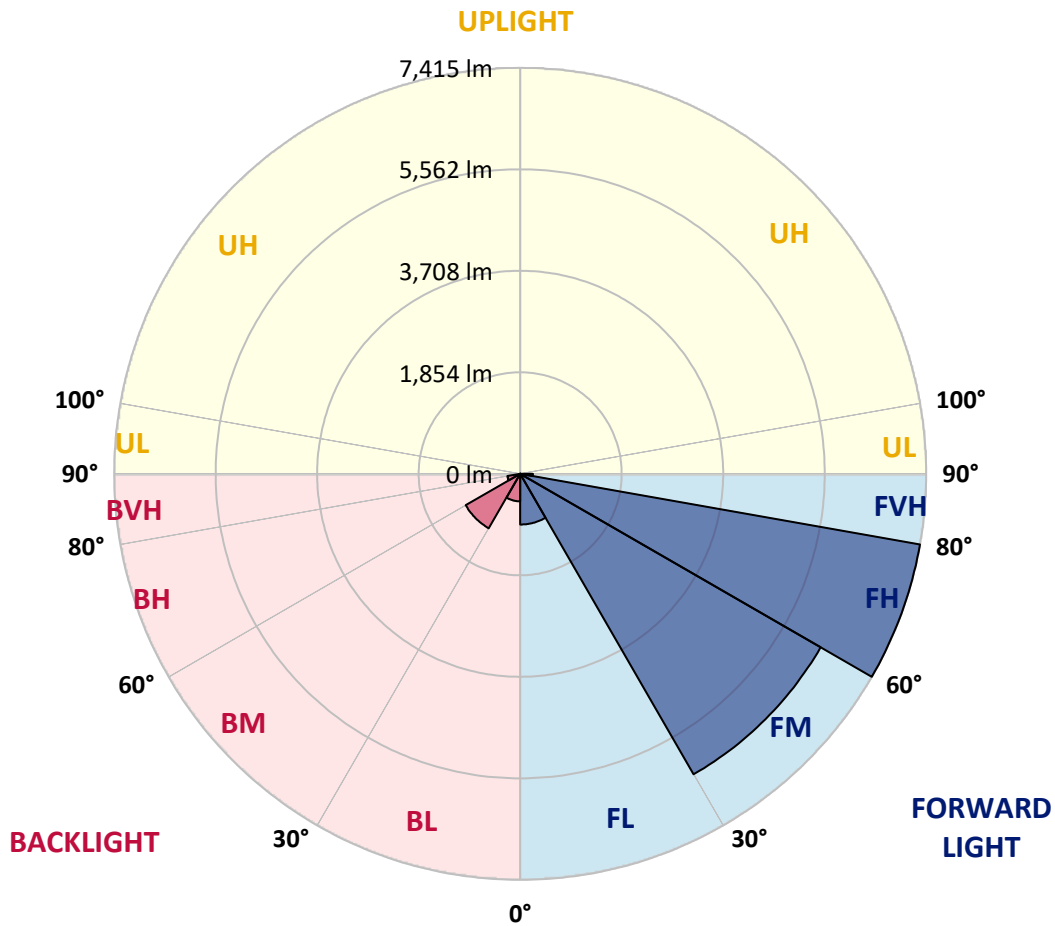
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.3	5.5			
FM (30°-60°)	6336.4	37.7			
FH (60°-80°)	7415.4	44.1			G3/7500
FVH (80°-90°)	233.8	1.4			G3/500
BL (0°-30°)	502.5	3.0	B2/1000		
BM (30°-60°)	1148.1	6.8	B2/2500		
BH (60°-80°)	237.3	1.4	B1/500		G1/500
BVH (80°-90°)	3.2	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°	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3
2.5°	2327.0	2346.7	2350.4	2356.5	2356.5	2363.9	2376.2	2393.5	2421.8	2436.5
5°	2144.8	2159.5	2178.0	2192.8	2221.1	2224.8	2272.8	2319.6	2384.8	2434.1
7.5°	1961.3	1978.5	2003.2	2038.9	2075.8	2086.9	2159.5	2238.3	2341.7	2434.1
10°	1832.0	1833.3	1855.4	1891.1	1950.2	1963.8	2052.4	2164.5	2293.7	2419.3
12.5°	1759.4	1768.0	1777.9	1804.9	1861.6	1870.2	1965.0	2096.7	2245.7	2410.7
15°	1759.4	1765.5	1771.7	1785.2	1830.8	1838.2	1921.9	2053.6	2221.1	2414.4
17.5°	1777.9	1787.7	1782.8	1798.8	1846.8	1851.7	1925.6	2041.3	2219.9	2437.8
20°	1822.2	1829.6	1819.7	1829.6	1877.6	1887.4	1963.8	2064.7	2240.8	2478.4
22.5°	1892.4	1896.1	1872.7	1880.0	1929.3	1941.6	2030.3	2131.2	2291.3	2543.7
25°	1981.0	1988.4	1952.7	1961.3	2008.1	2022.9	2125.1	2230.9	2371.3	2633.5
27.5°	2083.2	2086.9	2056.1	2054.9	2115.2	2136.1	2239.6	2354.1	2478.4	2746.8
30°	2200.2	2211.2	2181.7	2176.8	2253.1	2270.3	2372.5	2505.5	2636.0	2916.7
32.5°	2292.5	2301.1	2283.9	2296.2	2373.8	2387.3	2533.8	2719.7	2883.5	3158.0
35°	2425.5	2430.4	2391.0	2413.2	2501.8	2536.3	2754.2	3020.1	3195.0	3460.9
37.5°	2906.9	2906.9	2739.4	2629.8	2714.8	2745.6	3055.8	3398.1	3579.1	3867.2
40°	3572.9	3561.9	3316.9	3092.8	3081.7	3142.0	3485.5	3874.6	4075.3	4354.8
42.5°	4283.4	4266.1	3932.5	3710.8	3673.9	3694.8	3981.7	4461.9	4666.3	4949.4
45°	4913.7	4908.8	4603.5	4305.5	4239.0	4305.5	4601.0	5148.9	5295.4	5593.4
47.5°	5441.9	5441.9	5219.1	5024.5	4990.1	5029.5	5439.5	5911.0	5897.5	6279.1
50°	6050.1	6045.2	5833.4	5749.7	5785.4	5840.8	6404.7	6713.7	6520.4	6952.6
52.5°	6476.1	6505.7	6433.0	6419.5	6601.7	6697.7	7384.8	7499.3	7078.2	7591.6
55°	6813.5	6847.9	6931.7	7026.5	7377.4	7502.9	8334.0	8244.1	7544.8	8145.6
57.5°	7291.2	7241.9	7371.2	7558.4	8125.9	8277.4	9253.7	8947.1	7920.3	8595.0
60°	7871.1	7878.5	7900.6	8137.0	8873.3	9067.8	10159.9	9612.0	8161.6	8870.8
62.5°	8567.9	8579.0	8624.6	8987.8	9876.7	10060.2	11125.1	10156.2	8272.4	8793.2
65°	8519.9	8566.7	9075.2	10317.5	11402.2	11583.2	12251.7	10537.9	8105.0	8084.1
67.5°	7761.5	7837.8	8688.6	11905.7	13702.0	13904.0	13613.4	10613.0	7382.3	6286.5
70°	6766.7	6793.8	7816.9	13333.9	16365.1	16569.5	14832.3	9786.8	5602.0	3506.5
72.5°	5284.3	5290.5	6490.9	13665.1	17810.6	17821.7	13875.6	7265.3	3012.8	1346.9
75°	3774.9	3737.9	4347.4	11082.1	15669.5	15795.1	10402.4	3408.0	1151.2	636.5
77.5°	2024.1	2064.7	2459.9	6572.2	10824.7	11039.0	5675.8	982.5	586.1	433.4
80°	625.5	659.9	1008.4	3009.1	6131.4	6260.7	2104.1	437.1	408.8	309.0
82.5°	197.0	204.4	470.3	1264.4	2544.9	2604.0	609.4	247.5	279.5	204.4
85°	56.6	57.9	209.3	471.6	629.1	641.5	171.1	96.0	160.1	126.8
87.5°	6.2	19.7	78.8	78.8	55.4	54.2	18.5	20.9	45.6	16.0
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°
2435.3	0°	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3	2435.3
2446.4	2.5°	2440.2	2441.5	2425.5	2398.4	2368.8	2344.2	2313.4	2288.8	2271.6	2266.6
2468.6	5°	2457.5	2448.9	2403.3	2320.8	2222.3	2137.4	2042.6	1967.5	1918.2	1897.3
2492.0	7.5°	2483.3	2458.7	2359.0	2196.5	2008.1	1840.6	1670.7	1539.0	1455.3	1413.4
2514.1	10°	2505.5	2456.2	2285.1	2016.7	1728.6	1475.0	1246.0	1087.2	998.5	956.6
2540.0	12.5°	2526.4	2455.0	2189.1	1803.7	1413.4	1103.2	890.2	811.4	786.7	778.1
2581.8	15°	2565.8	2458.7	2068.4	1559.9	1099.5	833.5	756.0	754.7	759.7	757.2
2645.9	17.5°	2620.0	2462.4	1931.8	1301.4	848.3	735.0	731.3	742.4	749.8	746.1
2725.9	20°	2690.2	2477.2	1786.5	1045.3	728.9	710.4	719.0	728.9	735.0	728.9
2833.0	22.5°	2788.7	2503.0	1627.6	839.7	690.7	695.6	703.0	714.1	720.3	711.6
2969.7	25°	2909.3	2543.7	1471.3	730.1	672.2	678.4	689.5	701.8	709.2	700.6
3142.0	27.5°	3065.7	2608.9	1327.2	705.5	653.8	657.5	673.5	691.9	701.8	690.7
3387.0	30°	3292.2	2716.0	1202.9	716.6	642.7	634.1	656.2	682.1	693.2	683.3
3720.7	32.5°	3592.6	2867.5	1126.6	733.8	637.8	607.0	627.9	661.2	679.6	673.5
4156.5	35°	3986.6	3097.7	1097.0	753.5	634.1	578.7	593.4	629.1	661.2	667.3
4705.7	37.5°	4464.3	3417.8	1105.6	762.1	623.0	555.3	562.7	593.4	635.3	655.0
5323.7	40°	5007.3	3790.9	1154.9	753.5	610.7	535.6	536.8	560.2	597.1	626.7
5988.6	42.5°	5567.5	4226.7	1246.0	721.5	599.6	518.3	514.6	530.6	555.3	576.2
6652.2	45°	6100.6	4674.9	1335.9	677.2	586.1	501.1	492.5	498.6	503.6	512.2
7298.6	47.5°	6566.0	4990.1	1310.0	636.5	567.6	481.4	466.6	464.2	449.4	448.2
7876.0	50°	6887.3	5059.0	1163.5	595.9	540.5	459.2	435.8	421.1	395.2	382.9
8308.2	52.5°	6989.5	4786.9	950.5	555.3	496.2	429.7	396.4	373.1	341.0	330.0
8556.9	55°	6854.1	4253.8	759.7	506.0	434.6	390.3	353.4	322.6	296.7	283.2
8583.9	57.5°	6522.9	3575.4	600.8	448.2	369.4	346.0	309.0	278.3	256.1	242.5
8283.5	60°	5973.8	2839.2	475.2	379.2	315.2	298.0	259.8	240.1	220.4	204.4
7507.9	62.5°	5140.3	2026.6	373.1	300.4	263.5	243.8	221.6	206.8	183.4	161.3
6112.9	65°	4011.3	1239.8	288.1	220.4	211.8	201.9	188.4	174.8	146.5	124.4
3987.9	67.5°	2530.1	587.3	205.6	166.2	167.4	162.5	156.4	145.3	124.4	104.7
1786.5	70°	1114.2	284.4	135.4	126.8	124.4	124.4	129.3	125.6	105.9	87.4
620.5	72.5°	379.2	152.7	101.0	96.0	89.9	88.6	108.3	104.7	85.0	67.7
309.0	75°	198.2	102.2	73.9	68.9	54.2	65.3	86.2	81.3	60.3	44.3
204.4	77.5°	129.3	72.6	50.5	44.3	30.8	43.1	64.0	56.6	35.7	22.2
134.2	80°	81.3	48.0	29.5	20.9	14.8	23.4	34.5	24.6	13.5	4.9
78.8	82.5°	43.1	24.6	11.1	7.4	6.2	7.4	8.6	6.2	2.5	0.0
40.6	85°	17.2	8.6	3.7	2.5	1.2	0.0	2.5	1.2	0.0	0.0
7.4	87.5°	6.2	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

<u>180°</u>
2435.3
2275.3
1904.7
1419.6
957.9
775.7
756.0
744.9
727.6
710.4
699.3
690.7
682.1
673.5
667.3
659.9
636.5
584.8
517.1
446.9
384.1
328.7
283.2
240.1
200.7
157.6
120.7
102.2
83.7
64.0
40.6
19.7
3.7
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