

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: P940746

Luminaire Tested: **GALN-SB3D-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16658 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

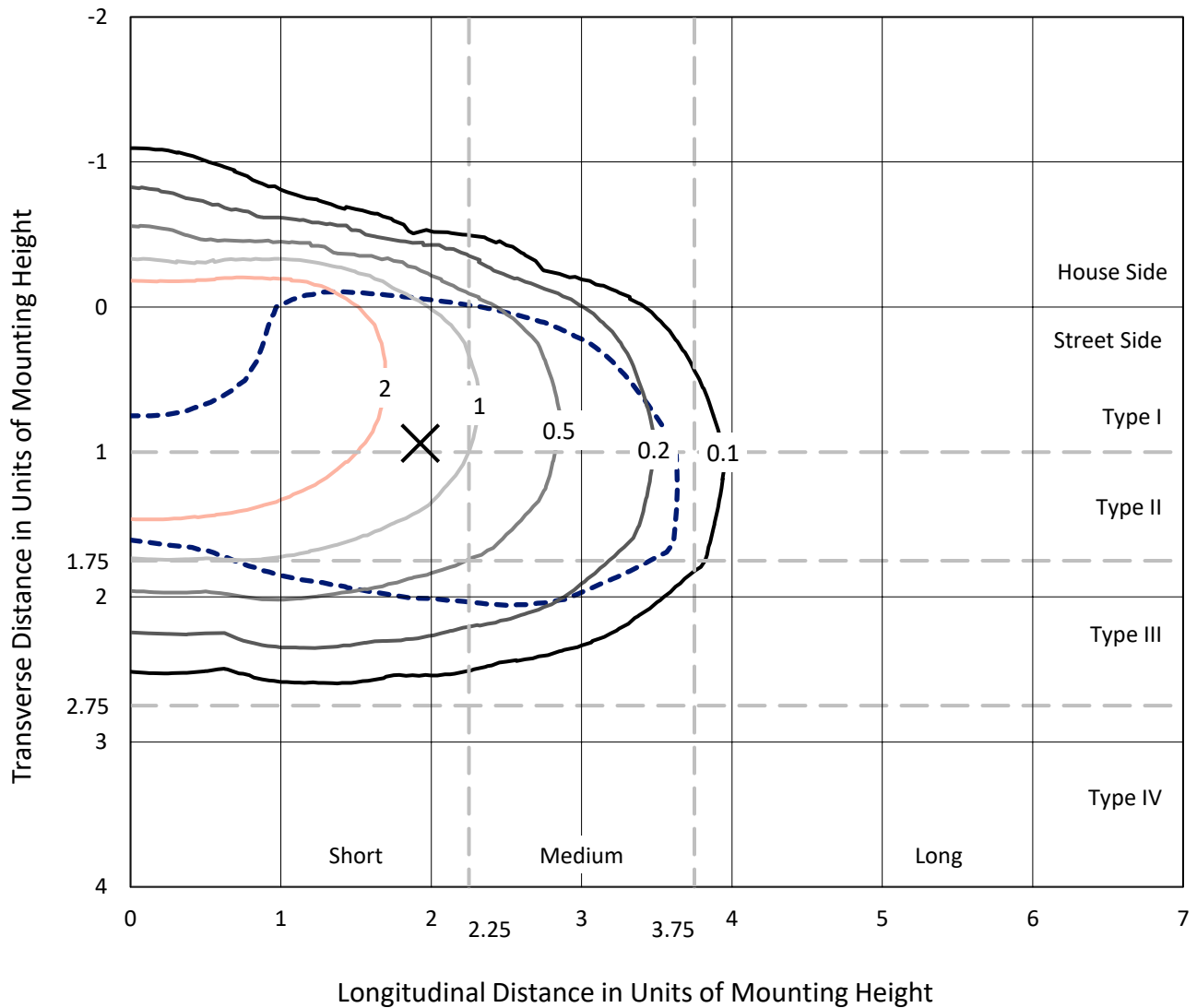
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

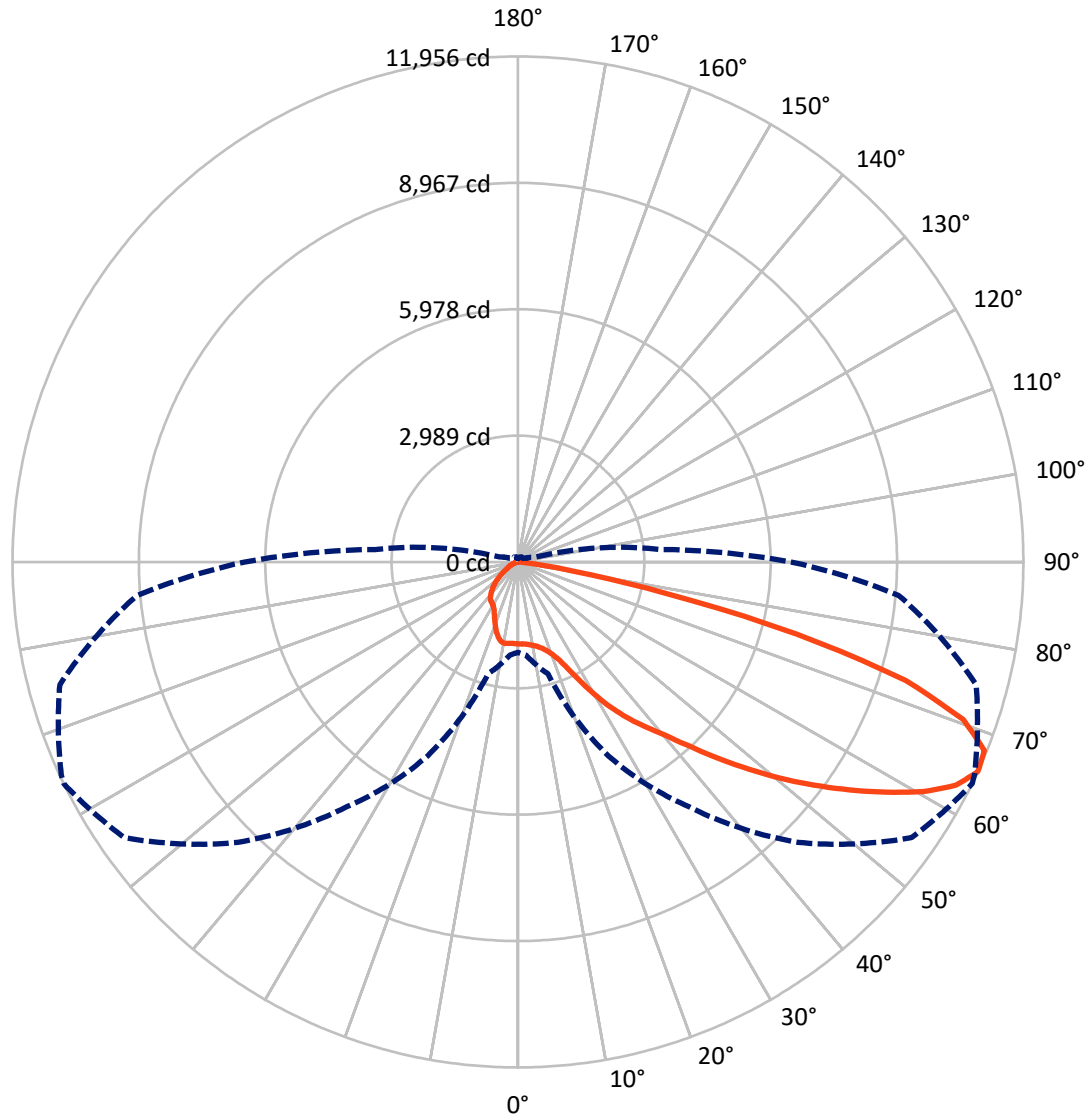
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2227.7	0.0	2227.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	14430.3	0.0	14430.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	16658.0	0.0	16658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	1.1
10°-20°	484.8	2.9
20°-30°	918.7	5.5
30°-40°	1859.0	11.2
40°-50°	3166.9	19.0
50°-60°	4306.7	25.9
60°-70°	4044.2	24.3
70°-80°	1620.3	9.7
80°-90°	78.5	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°	16658.0	100.0
0°-180°	16658.0	100.0

Coefficient of Utilization



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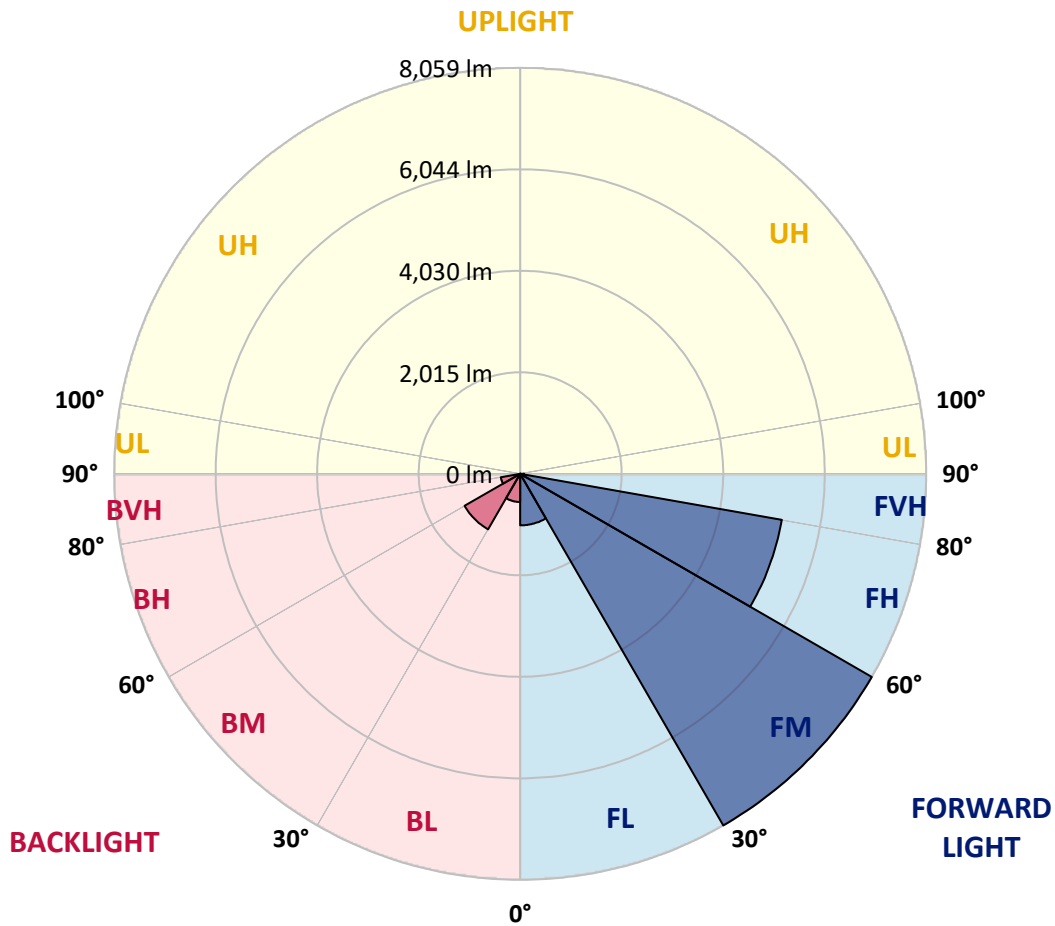
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.0	6.1			
FM (30°-60°)	8059.1	48.4			
FH (60°-80°)	5273.5	31.7			G3/7500
FVH (80°-90°)	74.7	0.4			G1/100
BL (0°-30°)	559.3	3.4	B2/1000		
BM (30°-60°)	1273.6	7.6	B2/2500		
BH (60°-80°)	391.0	2.3	B1/500		G1/500
BVH (80°-90°)	3.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5
2.5°	1930.8	1944.2	1940.8	1937.5	1936.4	1938.6	1939.7	1938.6	1938.6	1938.6
5°	1893.9	1905.1	1905.1	1912.9	1924.1	1937.5	1947.5	1949.8	1952.0	1955.4
7.5°	1823.6	1832.5	1839.2	1864.9	1892.8	1928.6	1958.7	1974.3	1976.6	1988.9
10°	1775.6	1786.7	1797.9	1824.7	1864.9	1918.5	1969.9	2007.9	2013.4	2042.5
12.5°	1773.3	1784.5	1799.0	1828.1	1875.0	1931.9	1994.5	2049.2	2059.2	2101.7
15°	1796.8	1810.2	1823.6	1859.3	1909.6	1978.8	2045.8	2113.9	2124.0	2184.3
17.5°	1844.8	1862.7	1872.7	1908.5	1962.1	2039.1	2127.3	2205.5	2214.4	2284.8
20°	1939.7	1960.9	1964.3	1993.3	2045.8	2128.5	2233.4	2330.6	2341.7	2422.2
22.5°	2136.3	2166.4	2139.6	2154.1	2201.0	2283.7	2397.6	2520.4	2536.1	2627.6
25°	2482.5	2524.9	2455.7	2431.1	2451.2	2537.2	2680.1	2835.3	2853.2	2926.9
27.5°	3162.5	3107.8	3002.8	2900.1	2839.8	2888.9	3049.7	3241.8	3264.2	3335.6
30°	3909.6	3861.6	3719.8	3492.0	3349.0	3341.2	3489.7	3704.1	3729.8	3797.9
32.5°	4657.8	4612.0	4457.9	4177.6	3929.7	3806.9	3909.6	4147.5	4160.9	4204.4
35°	5393.7	5346.8	5192.7	4905.7	4600.9	4321.7	4301.6	4569.6	4574.1	4619.8
37.5°	6134.1	6095.0	5930.9	5649.5	5349.1	4963.8	4777.3	4969.4	4975.0	5019.6
40°	6662.3	6679.1	6566.3	6348.5	6090.6	5669.6	5311.1	5394.8	5361.3	5436.2
42.5°	7115.7	7149.2	7050.9	6941.5	6791.9	6421.1	5972.2	5957.7	5904.1	5944.3
45°	7507.7	7535.6	7447.4	7421.7	7418.3	7158.1	6694.7	6607.6	6532.8	6525.0
47.5°	7651.7	7705.3	7743.3	7829.3	7996.8	7887.3	7441.8	7306.7	7222.9	7161.5
50°	7706.4	7763.4	7892.9	8143.1	8539.5	8586.4	8185.5	8033.6	7930.9	7819.2
52.5°	7632.7	7734.4	7908.6	8329.6	8904.7	9147.0	8899.1	8766.2	8648.9	8466.9
55°	7198.3	7300.0	7656.2	8327.3	9086.7	9540.1	9573.6	9514.4	9382.6	9095.6
57.5°	6282.6	6433.4	6997.3	8043.7	9083.3	9878.4	10234.7	10277.1	10129.7	9718.8
60°	5014.0	5218.4	5906.3	7415.0	8803.1	10061.6	10814.3	11026.4	10870.1	10333.0
62.5°	3498.7	3735.4	4386.5	6430.0	8162.1	9929.8	11237.5	11629.5	11511.1	10882.4
65°	2134.0	2210.0	2734.8	5059.8	7072.1	9378.2	11368.1	11955.5	11916.5	11218.5
67.5°	1421.6	1485.2	1636.0	3469.6	5489.8	8276.0	11055.5	11898.6	11909.8	11163.8
70°	856.5	911.2	1009.5	2017.9	3557.9	6550.6	10087.3	11172.7	11237.5	10432.3
72.5°	352.9	389.7	479.1	914.6	1842.6	4157.5	8032.5	9592.6	9743.3	8771.8
75°	199.9	218.9	281.4	459.0	799.6	1937.5	4865.5	6809.7	7031.9	6045.9
77.5°	132.9	141.8	182.0	297.0	450.0	661.1	2079.3	3547.8	3972.2	3302.1
80°	89.3	97.2	125.1	198.8	292.6	283.6	662.2	1314.4	1617.0	1134.6
82.5°	60.3	61.4	89.3	130.7	185.4	137.4	195.4	408.7	513.7	328.3
85°	34.6	33.5	65.9	75.9	82.6	57.0	59.2	122.8	160.8	138.5
87.5°	4.5	6.7	25.7	20.1	11.2	12.3	12.3	21.2	31.3	33.5
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°
1937.5	0°	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5	1937.5
1939.7	2.5°	1939.7	1938.6	1935.3	1931.9	1924.1	1919.6	1921.9	1919.6	1918.5	1919.6
1954.2	5°	1954.2	1950.9	1942.0	1930.8	1915.2	1896.2	1883.9	1866.0	1849.3	1839.2
1993.3	7.5°	1993.3	1990.0	1977.7	1946.4	1896.2	1816.9	1744.3	1680.7	1632.6	1604.7
2055.9	10°	2055.9	2050.3	2031.3	1962.1	1830.3	1657.2	1513.1	1393.7	1315.5	1278.6
2129.6	12.5°	2129.6	2122.9	2089.4	1947.5	1705.2	1435.0	1236.2	1103.3	1030.7	998.3
2214.4	15°	2216.7	2207.7	2141.9	1878.3	1523.2	1189.3	1007.3	907.9	861.0	832.0
2322.8	17.5°	2325.0	2309.4	2180.9	1774.5	1325.5	1001.7	866.6	791.8	750.4	722.5
2464.6	20°	2465.7	2440.0	2212.2	1650.5	1143.5	883.3	771.6	709.1	677.8	653.3
2665.6	22.5°	2662.2	2625.4	2250.2	1516.5	1015.1	801.8	701.3	655.5	629.8	601.9
2945.9	25°	2905.7	2862.1	2297.1	1392.5	926.9	731.4	649.9	612.0	581.8	549.4
3313.3	27.5°	3246.3	3168.1	2352.9	1290.9	850.9	671.1	603.0	560.6	526.0	499.2
3729.8	30°	3626.0	3497.5	2402.1	1229.5	781.7	615.3	541.6	499.2	466.8	447.8
4103.9	32.5°	3985.6	3811.3	2434.4	1202.7	719.2	551.7	474.6	428.8	404.3	398.7
4470.2	35°	4325.0	4095.0	2431.1	1177.0	663.3	488.0	408.7	361.8	342.8	346.2
4864.4	37.5°	4715.9	4397.6	2407.6	1136.8	617.5	429.9	351.8	310.4	293.7	294.8
5343.5	40°	5170.4	4747.2	2393.1	1060.9	567.3	376.3	304.9	271.4	259.1	254.6
5848.2	42.5°	5655.0	5085.5	2395.4	974.9	504.8	328.3	272.5	244.6	233.4	230.0
6409.9	45°	6141.9	5408.2	2398.7	885.6	438.9	291.5	249.0	225.6	218.9	214.4
6979.5	47.5°	6599.8	5683.0	2336.2	789.5	374.1	263.5	230.0	214.4	208.8	203.2
7551.2	50°	7026.4	5866.1	2185.4	677.8	322.7	241.2	215.5	204.4	198.8	193.2
8069.4	52.5°	7358.0	5895.1	1936.4	562.8	287.0	224.5	206.6	196.5	189.8	184.3
8488.1	55°	7505.4	5713.1	1582.4	455.6	259.1	209.9	197.7	187.6	179.8	174.2
8817.6	57.5°	7467.5	5330.1	1234.0	366.3	232.3	195.4	186.5	179.8	170.9	161.9
9084.5	60°	7281.0	4817.5	930.2	304.9	207.7	179.8	174.2	168.6	156.3	142.9
9187.2	62.5°	6958.2	4173.2	663.3	252.4	180.9	161.9	159.7	155.2	137.4	112.8
9035.3	65°	6464.7	3390.3	446.7	209.9	155.2	141.8	142.9	135.1	111.7	83.8
8479.2	67.5°	5743.3	2479.1	285.9	172.0	129.5	118.4	119.5	115.0	94.9	71.5
7425.0	70°	4824.2	1641.6	186.5	130.7	103.9	91.6	98.3	99.4	80.4	58.1
5698.6	72.5°	3536.6	969.3	130.7	97.2	75.9	63.7	80.4	82.6	64.8	43.6
3428.3	75°	2015.7	460.1	98.3	70.4	46.9	44.7	62.5	62.5	44.7	29.0
1484.1	77.5°	846.5	192.1	69.2	45.8	26.8	25.7	42.4	39.1	22.3	13.4
361.8	80°	244.6	86.0	36.9	22.3	11.2	10.1	16.8	12.3	5.6	2.2
137.4	82.5°	96.0	38.0	14.5	8.9	4.5	4.5	2.2	0.0	0.0	0.0
78.2	85°	57.0	15.6	6.7	3.4	1.1	0.0	0.0	0.0	0.0	0.0
16.8	87.5°	14.5	3.4	2.2	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>
1937.5
1924.1
1841.5
1605.8
1275.3
995.0
833.1
720.3
648.8
597.4
546.1
493.6
444.5
402.0
346.2
299.3
253.5
228.9
214.4
203.2
193.2
183.1
173.1
160.8
140.7
110.6
81.5
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