

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: P942916

Luminaire Tested: **GALN-SB7A-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942916
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-SB7A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA 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: 15229 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

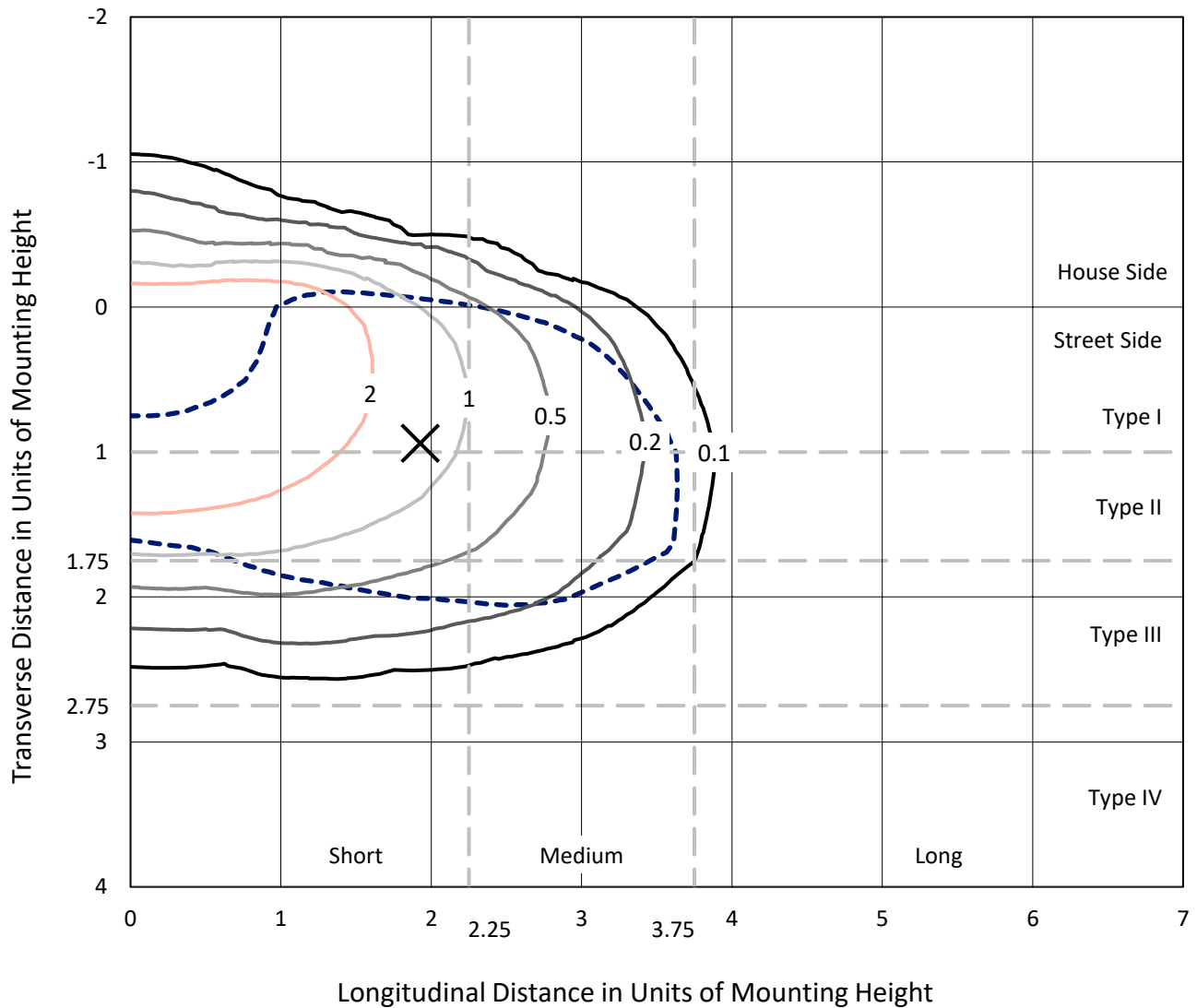
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942916
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Iso-Footcandle Lines of Horizontal Illumination

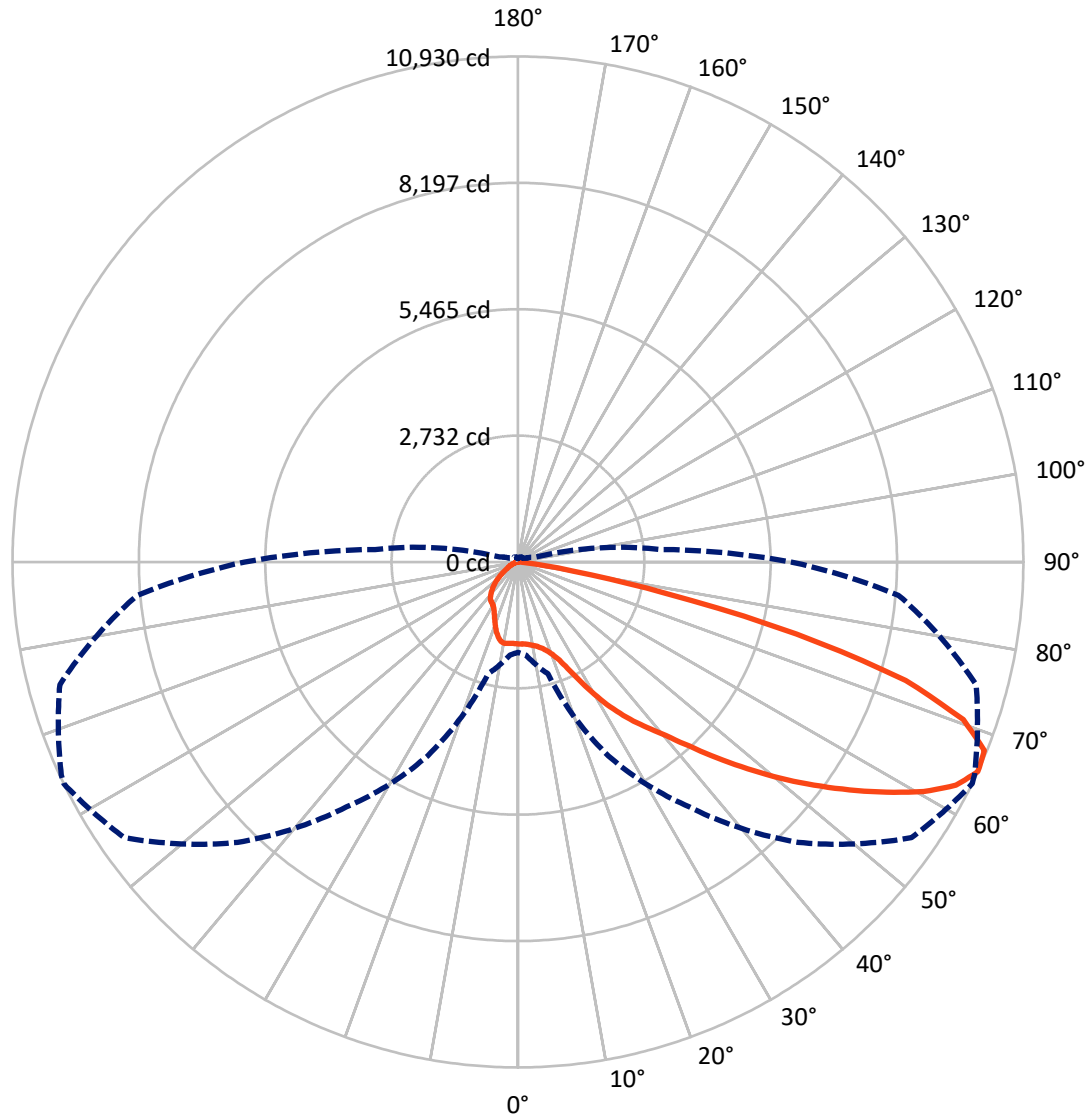
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type III - Short - N/A

REPORT NUMBER: P942916
CATALOG NUMBER: GALN-SB7A-927-U-T3-HSS

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	2036.6	0.0	2036.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	13192.4	0.0	13192.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	15229.0	0.0	15229.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	1.1
10°-20°	443.2	2.9
20°-30°	839.9	5.5
30°-40°	1699.6	11.2
40°-50°	2895.2	19.0
50°-60°	3937.3	25.9
60°-70°	3697.3	24.3
70°-80°	1481.3	9.7
80°-90°	71.8	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°	15229.0	100.0
0°-180°	15229.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942916

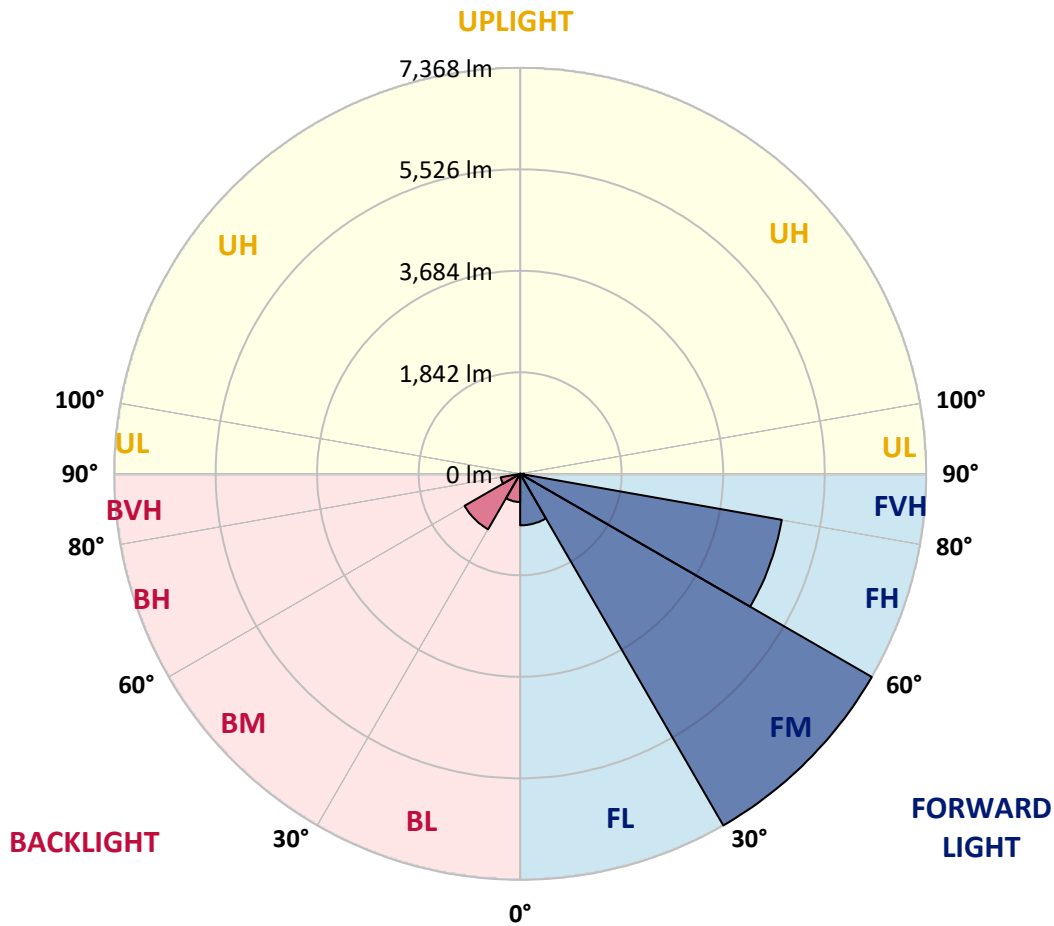
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.2	6.1			
FM (30°-60°)	7367.8	48.4			
FH (60°-80°)	4821.2	31.7			G2/5000
FVH (80°-90°)	68.3	0.4			G1/100
BL (0°-30°)	511.3	3.4	B2/1000		
BM (30°-60°)	1164.3	7.6	B2/2500		
BH (60°-80°)	357.4	2.3	B1/500		G1/500
BVH (80°-90°)	3.5	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-G2

Type III Short



REPORT NUMBER: P942916
 CATALOG NUMBER: GALN-SB7A-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3
2.5°	1765.2	1777.4	1774.4	1771.3	1770.3	1772.3	1773.3	1772.3	1772.3	1772.3
5°	1731.5	1741.7	1741.7	1748.8	1759.0	1771.3	1780.5	1782.5	1784.6	1787.6
7.5°	1667.2	1675.3	1681.5	1704.9	1730.5	1763.1	1790.7	1805.0	1807.0	1818.3
10°	1623.3	1633.5	1643.7	1668.2	1704.9	1753.9	1800.9	1835.6	1840.7	1867.3
12.5°	1621.2	1631.4	1644.7	1671.2	1714.1	1766.2	1823.4	1873.4	1882.6	1921.4
15°	1642.7	1654.9	1667.2	1699.8	1745.8	1809.1	1870.3	1932.6	1941.8	1996.9
17.5°	1686.6	1702.9	1712.1	1744.7	1793.8	1864.2	1944.8	2016.3	2024.5	2088.8
20°	1773.3	1792.7	1795.8	1822.3	1870.3	1945.9	2041.8	2130.7	2140.9	2214.4
22.5°	1953.0	1980.6	1956.1	1969.3	2012.2	2087.8	2191.9	2304.2	2318.5	2402.2
25°	2269.5	2308.3	2245.0	2222.5	2240.9	2319.5	2450.2	2592.1	2608.4	2675.8
27.5°	2891.2	2841.2	2745.2	2651.3	2596.2	2641.1	2788.1	2963.7	2984.1	3049.5
30°	3574.2	3530.3	3400.7	3192.4	3061.7	3054.6	3190.4	3386.4	3409.9	3472.1
32.5°	4258.2	4216.4	4075.5	3819.3	3592.6	3480.3	3574.2	3791.7	3803.9	3843.8
35°	4931.0	4888.2	4747.3	4484.9	4206.2	3950.9	3932.6	4177.6	4181.7	4223.5
37.5°	5607.9	5572.2	5422.1	5164.8	4890.2	4538.0	4367.5	4543.1	4548.2	4589.0
40°	6090.8	6106.1	6003.0	5803.9	5568.1	5183.2	4855.5	4932.0	4901.4	4969.8
42.5°	6505.3	6535.9	6446.1	6346.0	6209.2	5870.3	5459.9	5446.6	5397.6	5434.3
45°	6863.6	6889.1	6808.5	6785.0	6782.0	6544.1	6120.4	6040.8	5972.4	5965.2
47.5°	6995.3	7044.3	7079.0	7157.6	7310.8	7210.7	6803.4	6679.9	6603.3	6547.1
50°	7045.3	7097.4	7215.8	7444.5	7807.0	7849.8	7483.3	7344.5	7250.6	7148.5
52.5°	6978.0	7070.9	7230.1	7615.0	8140.8	8362.3	8135.7	8014.2	7907.0	7740.6
55°	6580.8	6673.7	6999.4	7613.0	8307.2	8721.7	8752.3	8698.2	8577.7	8315.4
57.5°	5743.7	5881.5	6397.1	7353.7	8304.1	9031.0	9356.7	9395.5	9260.7	8885.0
60°	4583.9	4770.7	5399.6	6778.9	8047.9	9198.5	9886.6	10080.5	9937.6	9446.5
62.5°	3198.5	3415.0	4010.2	5878.4	7461.9	9078.0	10273.5	10631.8	10523.6	9948.8
65°	1951.0	2020.4	2500.2	4625.8	6465.5	8573.7	10392.9	10929.9	10894.2	10256.1
67.5°	1299.6	1357.8	1495.6	3172.0	5018.8	7566.0	10107.1	10877.9	10888.1	10206.1
70°	783.0	833.1	922.9	1844.8	3252.6	5988.7	9221.9	10214.3	10273.5	9537.4
72.5°	322.6	356.3	438.0	836.1	1684.5	3800.9	7343.5	8769.7	8907.5	8019.3
75°	182.7	200.1	257.3	419.6	731.0	1771.3	4448.1	6225.6	6428.7	5527.2
77.5°	121.5	129.7	166.4	271.6	411.4	604.4	1900.9	3243.5	3631.4	3018.9
80°	81.7	88.8	114.3	181.7	267.5	259.3	605.4	1201.6	1478.3	1037.3
82.5°	55.1	56.2	81.7	119.4	169.5	125.6	178.7	373.7	469.6	300.1
85°	31.6	30.6	60.2	69.4	75.5	52.1	54.1	112.3	147.0	126.6
87.5°	4.1	6.1	23.5	18.4	10.2	11.2	11.2	19.4	28.6	30.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942916
 CATALOG NUMBER: GALN-SB7A-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1771.3	0°	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3	1771.3
1773.3	2.5°	1773.3	1772.3	1769.2	1766.2	1759.0	1755.0	1757.0	1755.0	1753.9	1755.0
1786.6	5°	1786.6	1783.5	1775.4	1765.2	1750.9	1733.5	1722.3	1706.0	1690.6	1681.5
1822.3	7.5°	1822.3	1819.3	1808.0	1779.5	1733.5	1661.0	1594.7	1536.5	1492.6	1467.1
1879.5	10°	1879.5	1874.4	1857.0	1793.8	1673.3	1515.0	1383.3	1274.1	1202.6	1168.9
1946.9	12.5°	1946.9	1940.8	1910.1	1780.5	1558.9	1311.9	1130.2	1008.7	942.3	912.7
2024.5	15°	2026.5	2018.4	1958.1	1717.2	1392.5	1087.3	920.9	830.0	787.1	760.6
2123.5	17.5°	2125.5	2111.3	1993.9	1622.2	1211.8	915.8	792.2	723.8	686.1	660.5
2253.2	20°	2254.2	2230.7	2022.4	1508.9	1045.4	807.5	705.5	648.3	619.7	597.2
2436.9	22.5°	2433.9	2400.2	2057.1	1386.4	928.0	733.0	641.1	599.3	575.8	550.3
2693.2	25°	2656.4	2616.6	2100.0	1273.1	847.4	668.7	594.2	559.5	531.9	502.3
3029.1	27.5°	2967.8	2896.3	2151.1	1180.2	777.9	613.6	551.3	512.5	480.9	456.3
3409.9	30°	3314.9	3197.5	2196.0	1124.0	714.6	562.5	495.1	456.3	426.7	409.4
3751.9	32.5°	3643.7	3484.4	2225.6	1099.5	657.5	504.3	433.9	392.0	369.6	364.5
4086.7	35°	3954.0	3743.7	2222.5	1076.0	606.4	446.1	373.7	330.8	313.4	316.5
4447.1	37.5°	4311.3	4020.4	2201.1	1039.3	564.6	393.1	321.6	283.8	268.5	269.5
4885.1	40°	4726.8	4339.9	2187.8	969.9	518.6	344.0	278.7	248.1	236.9	232.8
5346.5	42.5°	5169.9	4649.3	2189.9	891.3	461.5	300.1	249.1	223.6	213.4	210.3
5860.1	45°	5615.0	4944.3	2192.9	809.6	401.2	266.5	227.7	206.2	200.1	196.0
6380.7	47.5°	6033.6	5195.4	2135.8	721.8	342.0	240.9	210.3	196.0	190.9	185.8
6903.4	50°	6423.6	5362.9	1997.9	619.7	295.0	220.5	197.0	186.8	181.7	176.6
7377.1	52.5°	6726.8	5389.4	1770.3	514.5	262.4	205.2	188.9	179.7	173.6	168.5
7760.0	55°	6861.6	5223.0	1446.6	416.5	236.9	191.9	180.7	171.5	164.4	159.3
8061.2	57.5°	6826.9	4872.8	1128.1	334.9	212.4	178.7	170.5	164.4	156.2	148.0
8305.2	60°	6656.4	4404.2	850.4	278.7	189.9	164.4	159.3	154.2	142.9	130.7
8399.1	62.5°	6361.3	3815.2	606.4	230.7	165.4	148.0	146.0	141.9	125.6	103.1
8260.2	65°	5910.1	3099.5	408.4	191.9	141.9	129.7	130.7	123.5	102.1	76.6
7751.8	67.5°	5250.6	2266.4	261.4	157.2	118.4	108.2	109.2	105.2	86.8	65.3
6788.1	70°	4410.4	1500.7	170.5	119.4	94.9	83.7	89.8	90.9	73.5	53.1
5209.7	72.5°	3233.2	886.2	119.4	88.8	69.4	58.2	73.5	75.5	59.2	39.8
3134.2	75°	1842.8	420.6	89.8	64.3	42.9	40.8	57.2	57.2	40.8	26.5
1356.8	77.5°	773.9	175.6	63.3	41.9	24.5	23.5	38.8	35.7	20.4	12.3
330.8	80°	223.6	78.6	33.7	20.4	10.2	9.2	15.3	11.2	5.1	2.0
125.6	82.5°	87.8	34.7	13.3	8.2	4.1	4.1	2.0	0.0	0.0	0.0
71.5	85°	52.1	14.3	6.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0
15.3	87.5°	13.3	3.1	2.0	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°
1771.3
1759.0
1683.5
1468.1
1165.9
909.6
761.6
658.5
593.2
546.2
499.2
451.2
406.3
367.5
316.5
273.6
231.7
209.3
196.0
185.8
176.6
167.4
158.2
147.0
128.6
101.1
74.5
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