

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: P948144

Luminaire Tested: **GALN-SB3B-740-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-740-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14881 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

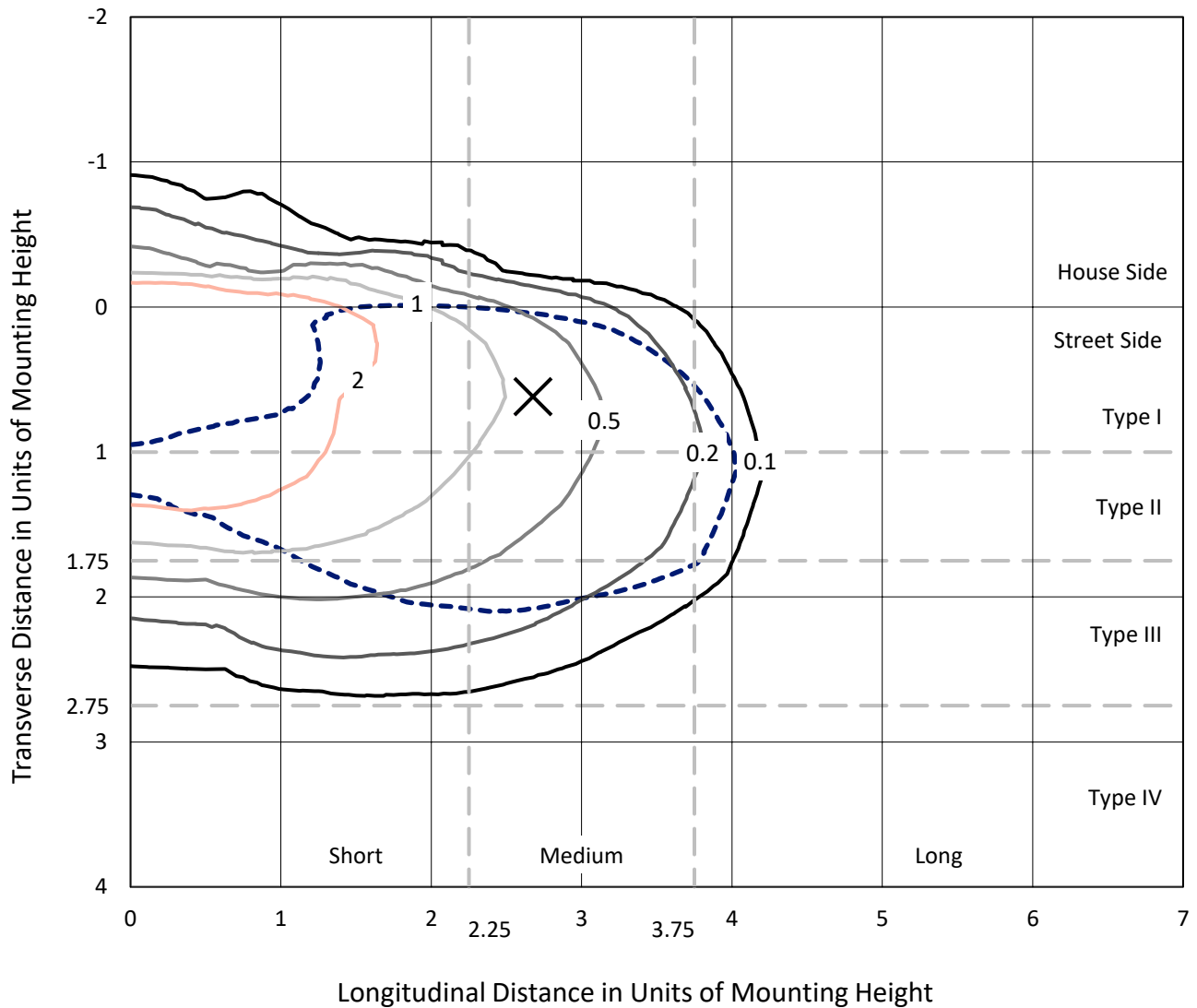
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P948144
 CATALOG NUMBER: GALN-SB3B-740-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

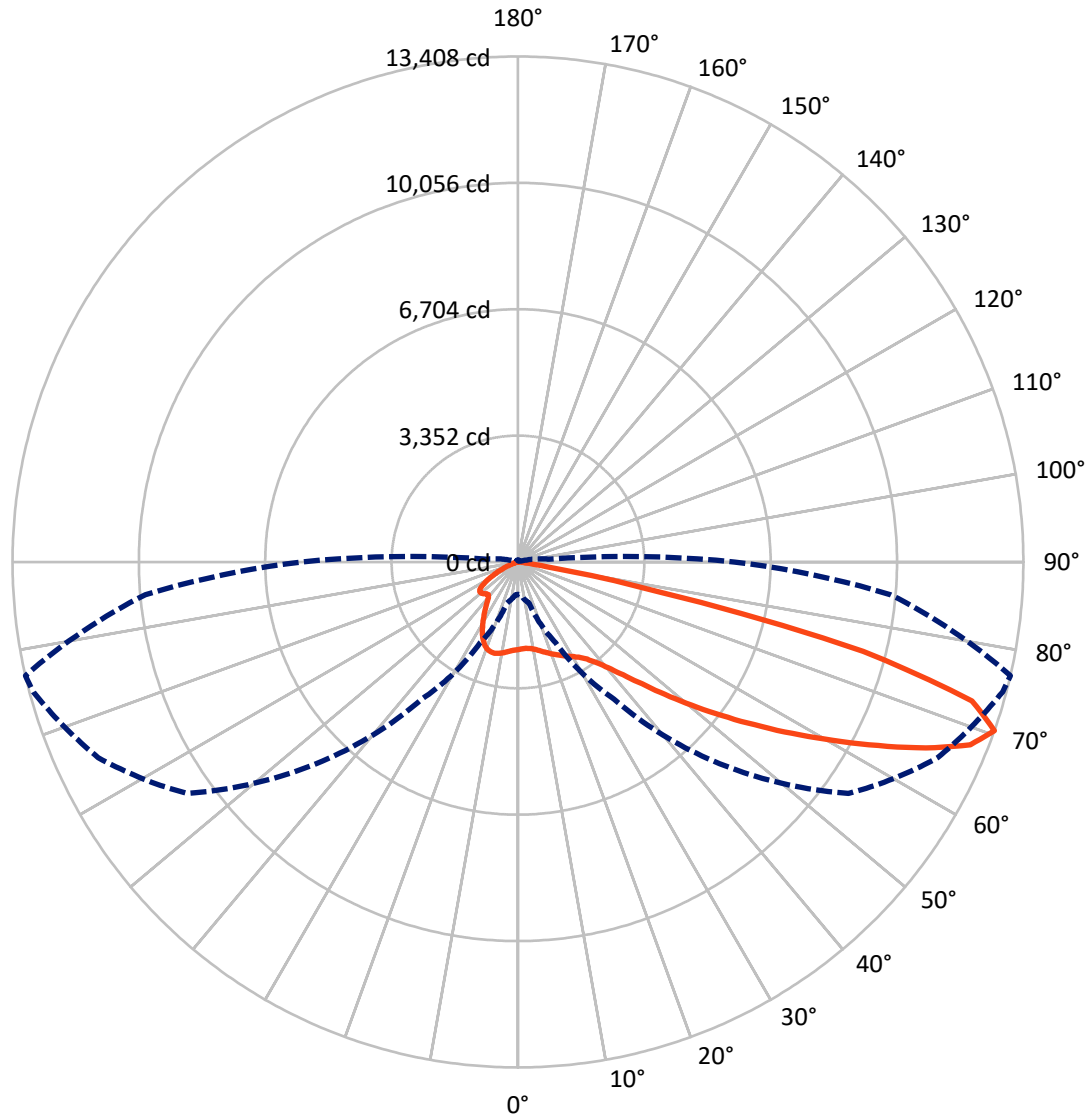
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P948144
CATALOG NUMBER: GALN-SB3B-740-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P948144

CATALOG NUMBER: GALN-SB3B-740-U-T3R-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1568.7	0.0	1568.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	13312.3	0.0	13312.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	14881.0	0.0	14881.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.0	1.3
10°-20°	474.9	3.2
20°-30°	734.5	4.9
30°-40°	1332.8	9.0
40°-50°	2515.9	16.9
50°-60°	3635.2	24.4
60°-70°	3869.6	26.0
70°-80°	2050.6	13.8
80°-90°	67.3	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°	14881.0	100.0
0°-180°	14881.0	100.0

Coefficient of Utilization



REPORT NUMBER: P948144

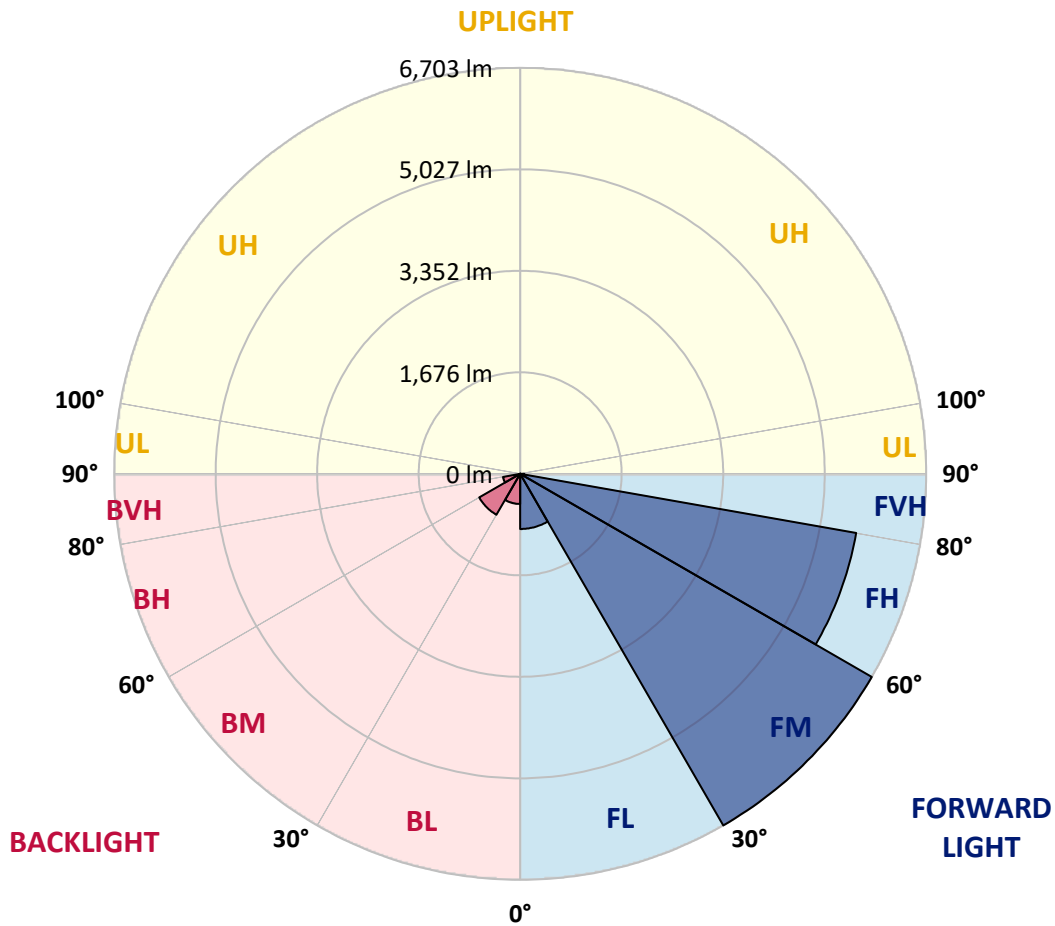
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	911.1	6.1			
FM (30°-60°)	6703.1	45.0			
FH (60°-80°)	5632.7	37.9			G3/7500
FVH (80°-90°)	65.5	0.4			G1/100
BL (0°-30°)	498.4	3.3	B1/500		
BM (30°-60°)	780.9	5.2	B1/1000		
BH (60°-80°)	287.6	1.9	B1/500		G1/500
BVH (80°-90°)	1.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



REPORT NUMBER: P948144
 CATALOG NUMBER: GALN-SB3B-740-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2
2.5°	2179.3	2199.0	2196.2	2209.3	2214.0	2232.8	2251.6	2277.0	2305.2	2304.3
5°	2056.2	2075.9	2080.6	2098.4	2121.0	2150.1	2188.7	2239.4	2292.0	2300.5
7.5°	1910.5	1931.2	1943.4	1979.1	2020.4	2080.6	2143.6	2217.8	2305.2	2317.4
10°	1764.8	1783.6	1799.6	1850.4	1916.1	2005.4	2107.8	2215.0	2332.4	2350.3
12.5°	1674.6	1692.5	1710.3	1754.5	1836.3	1945.3	2084.4	2228.1	2377.6	2402.9
15°	1642.7	1658.6	1672.7	1712.2	1788.3	1912.4	2079.7	2255.4	2434.9	2468.7
17.5°	1647.4	1655.8	1665.2	1695.3	1769.5	1897.3	2088.1	2302.4	2502.5	2532.6
20°	1674.6	1679.3	1680.3	1700.9	1766.7	1895.5	2105.0	2347.5	2566.4	2606.8
22.5°	1709.4	1711.3	1709.4	1723.5	1784.6	1909.6	2127.6	2402.0	2637.9	2675.5
25°	1872.0	1836.3	1791.2	1763.9	1814.6	1936.8	2161.4	2475.3	2715.9	2752.5
27.5°	2376.6	2274.2	2112.5	1931.2	1876.7	1976.3	2208.4	2549.5	2794.8	2827.7
30°	3196.1	3061.7	2787.3	2378.5	2075.9	2059.0	2269.5	2623.8	2878.4	2914.1
32.5°	4017.4	3984.5	3667.8	3102.1	2524.2	2243.2	2371.0	2724.3	2989.3	3017.5
35°	4848.1	4781.4	4522.0	3962.9	3214.9	2618.1	2540.1	2855.9	3135.0	3166.9
37.5°	5484.3	5443.9	5283.2	4822.8	4034.3	3197.0	2829.6	3059.8	3346.4	3382.1
40°	6046.3	6027.5	5973.0	5669.5	4950.6	3954.4	3279.7	3375.6	3639.6	3681.9
42.5°	6488.0	6532.2	6563.2	6478.6	5895.0	4819.0	3884.9	3819.1	4048.4	4091.6
45°	6940.0	6955.0	7080.0	7202.2	6832.9	5723.0	4567.2	4338.8	4556.8	4610.4
47.5°	7230.4	7290.5	7510.4	7725.6	7621.3	6619.6	5300.2	4952.4	5146.0	5246.6
50°	7252.0	7365.7	7668.3	8043.3	8195.5	7472.8	6097.1	5651.6	5857.4	5968.3
52.5°	6892.1	7068.8	7537.7	8086.5	8505.6	8195.5	6921.2	6350.8	6614.9	6759.6
55°	5284.2	5515.4	7046.2	7851.6	8517.8	8743.4	7723.8	7079.1	7458.7	7622.3
57.5°	4603.8	4720.3	5539.8	7443.7	8291.4	8964.2	8449.2	7772.6	8376.9	8579.9
60°	3830.4	3983.6	4646.1	6776.5	7984.1	8985.8	9090.1	8667.3	9372.1	9600.4
62.5°	2603.1	2769.4	3428.2	5630.0	7564.0	8975.5	9615.5	9588.2	10478.1	10723.4
65°	1612.6	1716.9	2151.1	4597.2	6976.7	8986.8	10165.2	10706.5	11645.3	11894.3
67.5°	1274.3	1322.2	1548.7	3529.7	5964.6	8733.0	10714.0	11758.1	12743.9	12941.2
70°	856.1	885.2	1126.8	2366.3	4437.5	7562.1	10703.7	12286.2	13309.6	13408.3
72.5°	451.1	473.6	658.8	1095.7	2680.1	5375.3	9022.5	11654.7	12746.7	12598.2
75°	225.5	263.1	443.6	556.3	1144.6	2997.8	5602.8	9188.8	10032.7	9457.6
77.5°	171.0	206.7	366.5	366.5	398.5	1009.3	2372.9	5011.7	4622.6	3849.2
80°	109.0	141.0	320.5	277.2	166.3	256.6	618.4	1404.0	982.0	747.1
82.5°	63.9	92.1	266.9	183.3	93.0	94.9	174.8	298.8	254.7	198.3
85°	25.4	60.1	183.3	72.4	36.7	23.5	52.6	63.9	52.6	39.5
87.5°	0.0	14.1	32.0	0.0	2.8	1.9	3.8	4.7	4.7	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948144
 CATALOG NUMBER: GALN-SB3B-740-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2321.2	0°	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2
2323.0	2.5°	2331.5	2333.4	2339.0	2340.0	2326.8	2309.9	2303.3	2300.5	2289.2	2288.3
2338.1	5°	2359.7	2368.2	2359.7	2335.3	2277.0	2195.2	2133.2	2082.5	2036.4	2022.3
2389.8	7.5°	2416.1	2424.5	2399.2	2303.3	2156.7	1994.1	1847.5	1744.2	1651.1	1616.4
2452.7	10°	2496.9	2508.2	2428.3	2234.7	1975.3	1714.1	1466.0	1291.2	1154.9	1099.5
2538.2	12.5°	2598.4	2603.1	2444.3	2130.4	1739.5	1366.4	1014.9	827.9	706.7	661.6
2641.6	15°	2710.2	2703.6	2446.2	1988.5	1418.1	966.1	662.5	544.1	495.2	480.2
2745.0	17.5°	2827.7	2800.4	2408.6	1783.6	1065.7	660.6	491.5	463.3	454.8	451.1
2847.4	20°	2943.3	2882.2	2340.0	1515.8	765.0	493.4	446.4	437.9	433.2	431.3
2950.8	22.5°	3048.5	2944.2	2222.5	1204.8	555.4	436.0	421.9	414.4	406.0	402.2
3051.3	25°	3151.0	2979.9	2057.1	914.4	444.5	407.8	396.6	382.5	371.2	366.5
3159.4	27.5°	3250.6	3002.5	1850.4	676.6	396.6	381.5	360.9	341.1	332.7	330.8
3275.0	30°	3356.8	3010.0	1615.4	504.6	367.4	348.6	318.6	296.0	291.3	292.3
3431.0	32.5°	3486.4	3021.3	1378.6	413.5	343.0	309.2	273.5	250.0	246.2	250.0
3658.4	35°	3641.5	3043.8	1150.2	380.6	321.4	268.8	230.2	210.5	206.7	209.6
3949.7	37.5°	3852.0	3080.5	936.9	374.0	303.5	234.9	193.6	177.6	177.6	178.6
4306.8	40°	4132.1	3178.2	746.2	369.3	294.1	209.6	163.5	156.9	159.8	161.6
4761.7	42.5°	4473.2	3385.9	617.4	363.7	283.8	198.3	148.5	145.7	150.4	152.2
5306.7	45°	4855.7	3649.0	572.3	354.3	274.4	205.8	141.9	138.1	143.8	144.7
5917.6	47.5°	5251.3	3906.5	566.7	343.9	265.0	217.1	140.0	131.6	138.1	139.1
6569.7	50°	5651.6	4074.7	572.3	328.0	250.0	217.1	141.0	125.0	130.6	133.4
7246.4	52.5°	6054.8	4151.8	568.5	293.2	223.7	203.9	141.0	119.3	125.0	126.9
7977.5	55°	6445.7	4136.8	511.2	241.5	189.8	180.4	137.2	114.6	118.4	119.3
8668.2	57.5°	6754.9	3927.2	405.0	187.9	154.1	150.4	125.0	109.0	111.8	110.9
9301.6	60°	6916.5	3466.7	289.4	144.7	121.2	118.4	110.0	101.5	103.4	98.7
9838.2	62.5°	6918.4	2857.8	193.6	114.6	96.8	94.0	94.0	91.2	89.3	79.9
10253.5	65°	6770.9	2182.1	128.7	91.2	78.0	73.3	78.9	78.0	71.4	58.3
10380.4	67.5°	6436.3	1430.3	97.7	71.4	60.1	57.3	63.0	65.8	61.1	48.9
9918.1	70°	5748.4	832.6	80.8	55.4	45.1	42.3	50.7	56.4	50.7	39.5
8477.4	72.5°	4774.8	449.2	65.8	41.3	31.0	28.2	40.4	46.0	40.4	29.1
5439.2	75°	3098.3	240.6	50.7	27.3	16.0	17.9	30.1	33.8	28.2	18.8
1596.6	77.5°	1040.3	106.2	32.0	13.2	7.5	7.5	17.9	20.7	13.2	6.6
290.4	80°	232.1	44.2	13.2	5.6	2.8	2.8	3.8	3.8	1.9	0.0
89.3	82.5°	76.1	17.9	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0
22.6	85°	29.1	6.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	87.5°	11.3	0.9	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°
2321.2
2290.2
2013.9
1602.3
1076.0
647.5
480.2
450.1
429.5
401.3
364.6
328.9
292.3
249.0
208.6
177.6
161.6
152.2
145.7
140.0
134.4
126.9
119.3
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