

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: P948476

Luminaire Tested: **GALN-SB3C-735-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-735-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19025 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

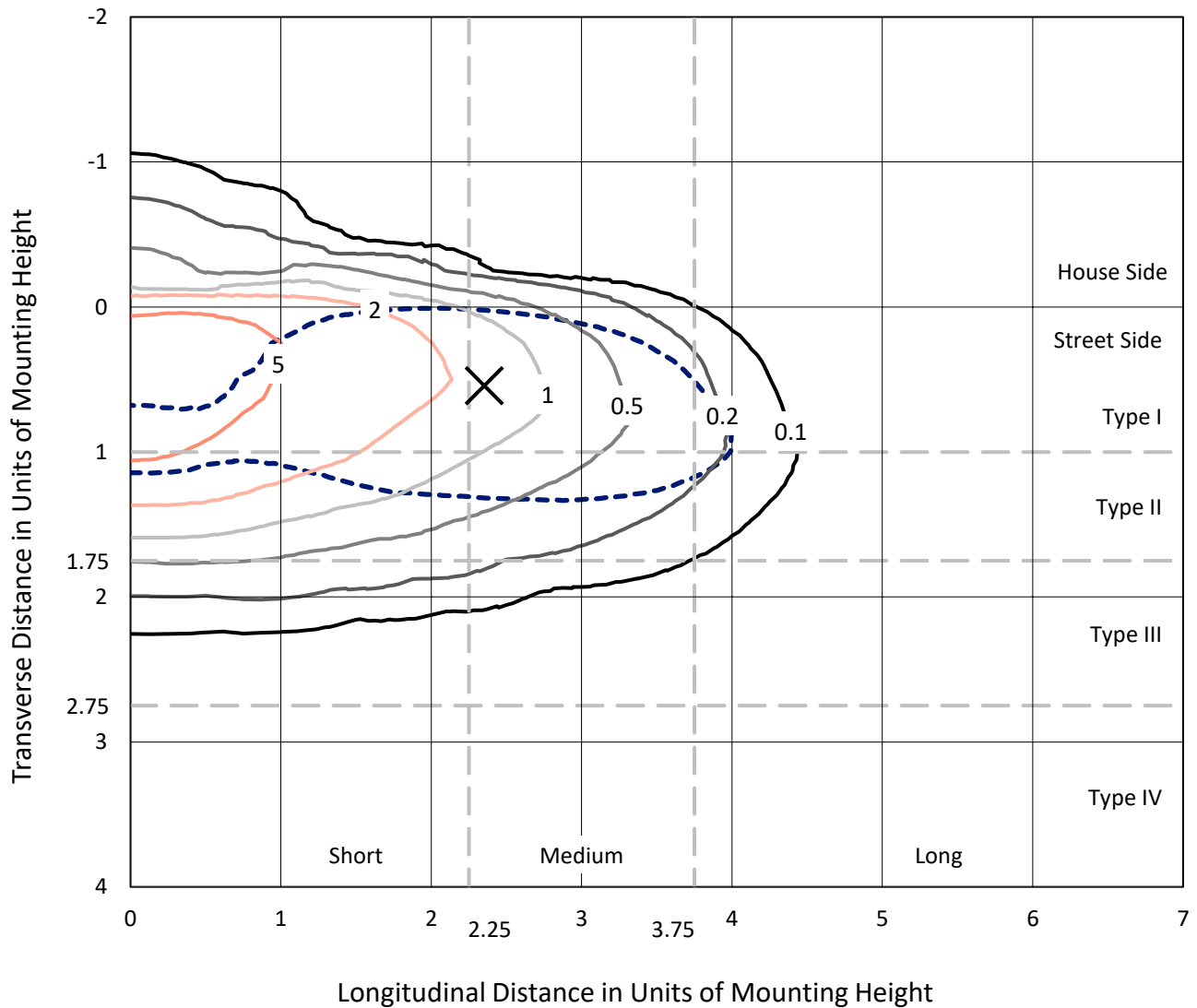
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

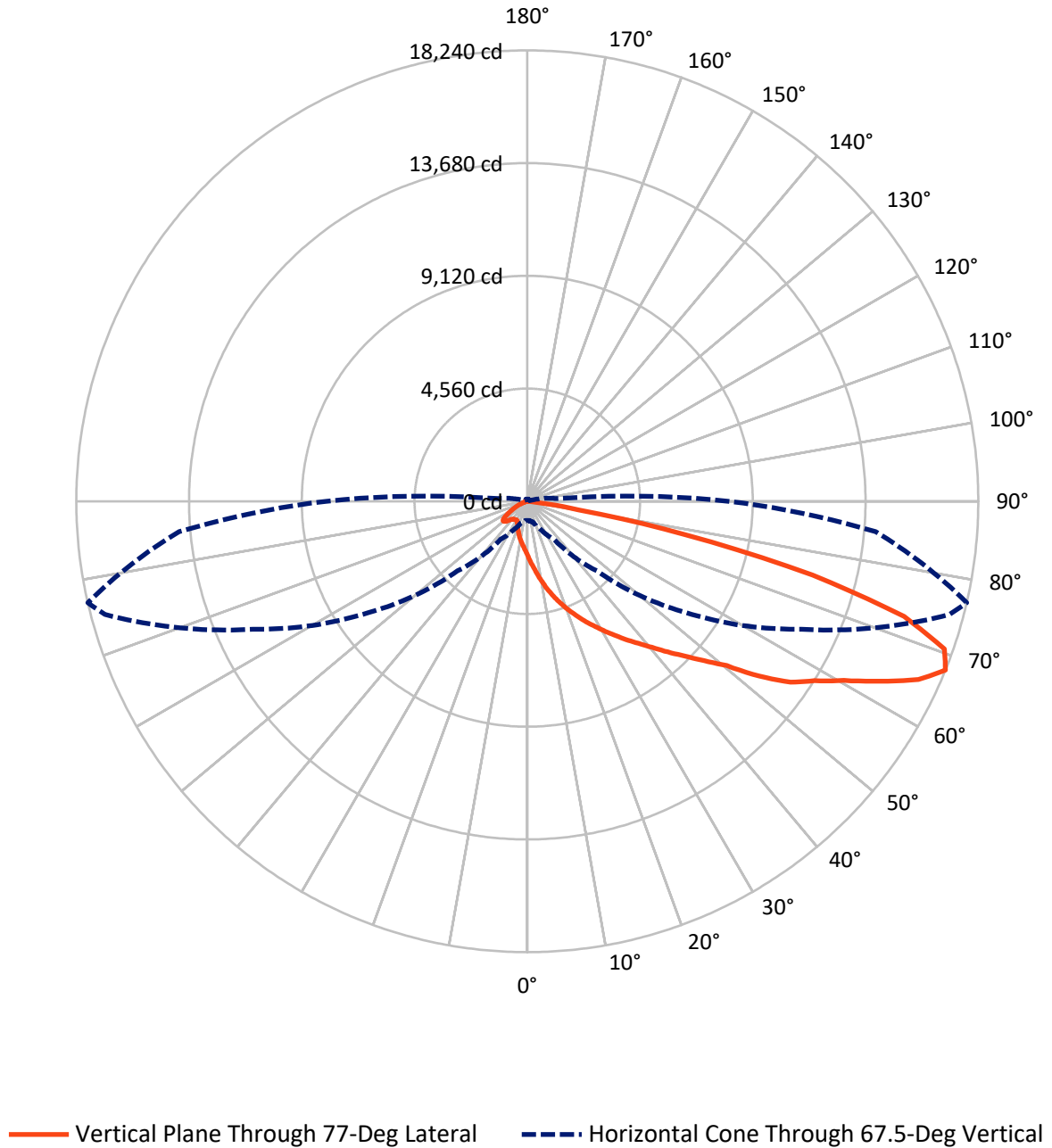
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1399.7	0.0	1399.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	17625.3	0.0	17625.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	19025.0	0.0	19025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.2
10°-20°	784.1	4.1
20°-30°	1513.2	8.0
30°-40°	2627.0	13.8
40°-50°	3814.2	20.0
50°-60°	4380.1	23.0
60°-70°	3802.8	20.0
70°-80°	1791.1	9.4
80°-90°	88.6	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°	19025.0	100.0
0°-180°	19025.0	100.0

Coefficient of Utilization



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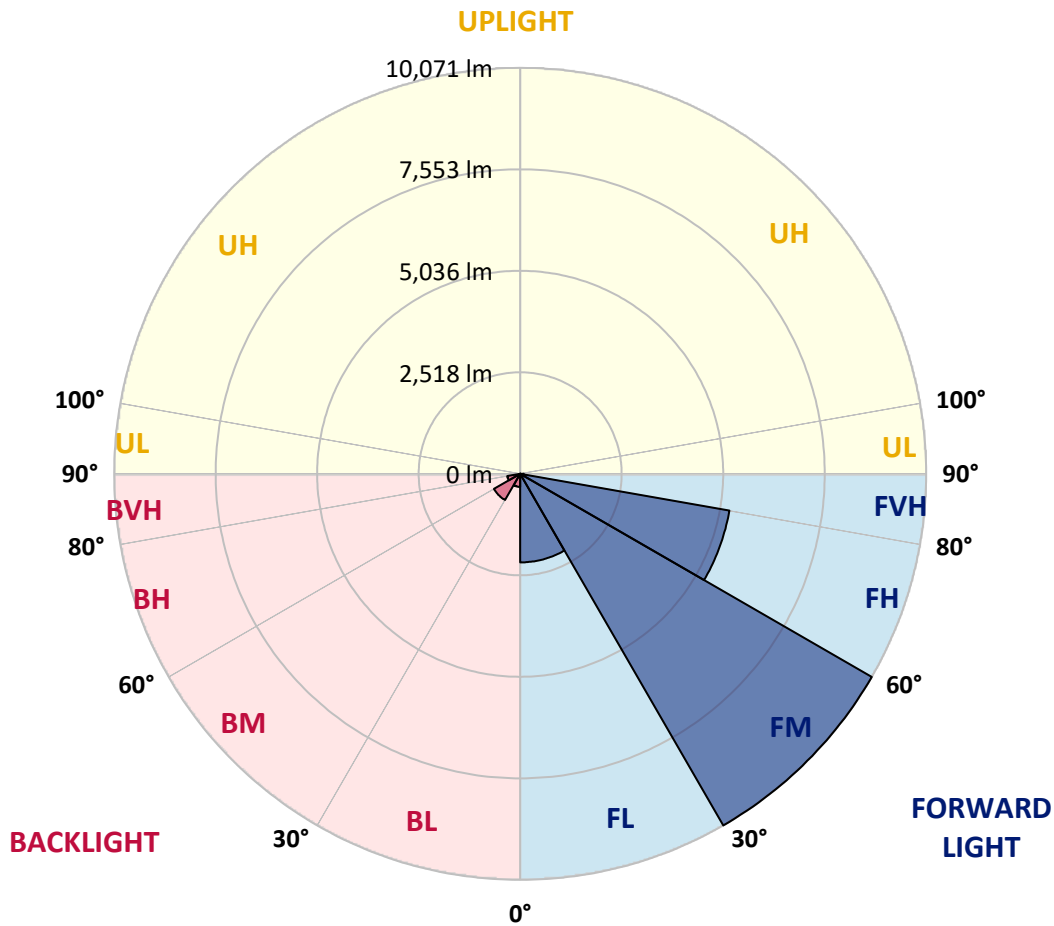
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2197.2	11.5			
FM (30°-60°)	10071.3	52.9			
FH (60°-80°)	5269.9	27.7			G3/7500
FVH (80°-90°)	86.9	0.5			G1/100
BL (0°-30°)	324.0	1.7	B1/500		
BM (30°-60°)	750.0	3.9	B1/1000		
BH (60°-80°)	324.0	1.7	B1/500		G1/500
BVH (80°-90°)	1.6	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9
2.5°	3037.4	3056.3	3029.1	2977.1	2899.2	2848.4	2724.3	2607.4	2477.4	2436.0
5°	3702.5	3719.1	3688.3	3631.6	3527.7	3428.4	3265.4	3020.8	2766.8	2685.3
7.5°	4195.2	4204.6	4192.8	4140.8	4041.6	3929.3	3747.4	3458.0	3081.1	2991.3
10°	4549.6	4580.3	4576.7	4556.7	4490.5	4399.5	4205.8	3876.2	3433.2	3317.4
12.5°	4784.7	4818.9	4839.0	4883.9	4880.4	4822.5	4652.4	4303.8	3784.0	3648.2
15°	4853.2	4889.8	4966.6	5070.6	5162.7	5192.3	5072.9	4723.2	4170.3	3996.7
17.5°	4814.2	4870.9	4963.1	5127.3	5329.3	5462.8	5449.8	5128.5	4521.2	4322.7
20°	4900.5	4954.8	5026.9	5165.1	5400.2	5642.4	5739.2	5516.0	4869.7	4661.8
22.5°	5377.7	5368.3	5375.4	5397.8	5538.4	5778.2	5977.9	5868.0	5214.7	5002.1
25°	6133.8	6091.3	6019.2	5897.6	5862.1	5977.9	6185.8	6179.9	5578.6	5350.6
27.5°	7001.0	6993.9	6825.0	6532.0	6366.6	6321.7	6420.9	6483.5	5938.9	5695.5
30°	7831.5	7850.4	7622.4	7296.3	6992.7	6816.7	6726.9	6771.8	6305.1	6067.7
32.5°	8554.5	8574.6	8326.5	7944.9	7569.2	7356.6	7167.6	7056.5	6704.5	6445.7
35°	9165.3	9185.4	8900.7	8478.9	8078.4	7885.9	7672.0	7368.4	7106.1	6865.1
37.5°	9711.1	9705.2	9323.6	8898.3	8504.9	8352.5	8240.3	7752.4	7519.6	7286.9
40°	10033.6	10058.5	9732.4	9263.4	8881.8	8770.7	8763.6	8228.5	7996.9	7771.3
42.5°	10128.2	10171.9	9935.6	9550.4	9204.3	9083.8	9269.3	8743.6	8552.2	8332.4
45°	9958.0	10000.6	9893.1	9626.1	9424.0	9346.1	9704.0	9277.5	9145.2	8927.8
47.5°	9461.8	9515.0	9541.0	9484.3	9481.9	9561.1	10093.9	9839.9	9849.3	9627.2
50°	8501.4	8591.2	8829.8	9030.6	9341.3	9731.2	10473.1	10449.5	10643.2	10451.9
52.5°	6755.3	6882.8	7705.1	8254.5	8952.7	9699.3	10890.2	11427.7	12036.1	11756.1
55°	5428.5	5428.5	6097.2	7125.0	8194.2	9489.0	11072.1	12063.3	12984.8	12918.6
57.5°	4425.5	4478.7	4905.2	5813.7	7096.7	8988.1	11184.3	12462.6	13749.1	13700.7
60°	2731.4	2846.0	3651.7	4548.4	5847.9	8096.1	11113.4	12866.6	14676.5	14715.5
62.5°	1538.2	1580.7	1939.9	3272.5	4547.2	6897.0	10571.2	13092.3	15862.7	16028.1
65°	1062.1	1083.3	1221.6	2036.7	3152.0	5491.2	9511.5	12951.7	17051.2	17385.5
67.5°	771.5	782.1	868.3	1244.0	1870.2	3981.3	7850.4	12242.9	17680.9	18239.7
70°	593.1	600.2	662.8	817.5	1104.6	2457.3	5701.4	10833.4	17224.8	17892.3
72.5°	482.0	489.1	537.5	604.9	732.5	1453.1	3455.6	8797.9	15211.7	15932.4
75°	406.4	415.9	459.6	503.3	574.2	933.3	1620.9	6126.7	11439.5	11912.1
77.5°	225.6	207.9	373.3	417.0	484.4	590.7	758.5	3605.6	6406.7	6537.9
80°	140.6	145.3	296.5	335.5	372.1	297.7	347.3	1388.1	2221.0	2110.0
82.5°	8.3	18.9	228.0	242.2	255.2	127.6	131.1	471.4	535.2	491.5
85°	0.0	0.0	104.0	83.9	88.6	36.6	37.8	109.9	72.1	78.0
87.5°	0.0	0.0	0.0	2.4	0.0	3.5	7.1	9.5	3.5	4.7
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°
2193.9	0°	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9	2193.9
2306.1	2.5°	2223.4	2140.7	1972.9	1808.7	1675.2	1551.2	1462.6	1378.7	1336.2	1333.8
2455.0	5°	2290.7	2117.1	1781.6	1485.0	1246.4	1055.0	930.9	842.3	797.4	782.1
2638.1	7.5°	2385.2	2124.2	1613.8	1201.5	920.3	756.1	685.2	656.9	647.4	636.8
2844.8	10°	2504.6	2140.7	1463.8	967.6	725.4	642.7	614.3	602.5	595.4	588.3
3077.6	12.5°	2638.1	2156.1	1314.9	803.4	638.0	595.4	575.3	561.2	551.7	543.4
3316.2	15°	2768.0	2165.5	1160.1	688.8	593.1	558.8	537.5	522.2	509.2	499.7
3550.1	17.5°	2896.8	2178.5	1014.8	620.2	556.4	522.2	500.9	482.0	471.4	460.7
3795.8	20°	3039.7	2176.1	877.8	571.8	519.8	485.6	463.1	445.4	434.8	422.9
4055.8	22.5°	3172.1	2164.3	757.3	530.4	482.0	448.9	424.1	406.4	395.8	386.3
4321.6	25°	3324.5	2154.9	656.9	492.6	446.6	413.5	386.3	369.8	358.0	349.7
4588.6	27.5°	3471.0	2140.7	583.6	458.4	412.3	380.4	354.4	335.5	324.9	319.0
4863.8	30°	3615.1	2137.2	556.4	425.3	381.6	349.7	323.7	306.0	297.7	295.4
5166.3	32.5°	3788.8	2146.6	568.3	413.5	353.2	321.3	296.5	283.5	275.3	275.3
5503.0	35°	3974.2	2144.2	586.0	424.1	334.3	293.0	274.1	265.8	257.5	257.5
5876.3	37.5°	4207.0	2147.8	600.2	441.8	327.2	269.4	258.7	248.1	243.4	243.4
6285.1	40°	4554.3	2264.7	593.1	457.2	324.9	252.8	231.6	228.0	224.5	224.5
6747.0	42.5°	4979.6	2518.7	602.5	458.4	323.7	241.0	212.7	219.7	211.5	210.3
7268.0	45°	5445.1	2796.4	662.8	433.6	322.5	235.1	203.2	211.5	198.5	198.5
7871.7	47.5°	5907.0	3071.6	724.2	398.1	319.0	233.9	194.9	190.2	186.7	187.8
8658.5	50°	6543.8	3296.1	747.8	349.7	310.7	231.6	179.6	180.8	178.4	180.8
9767.8	52.5°	7237.3	3343.4	719.5	295.4	287.1	224.5	168.9	173.7	172.5	174.8
10548.7	55°	7669.7	3292.6	594.2	245.7	250.5	196.1	158.3	167.8	167.8	167.8
11311.9	57.5°	8116.2	3076.4	421.8	199.7	207.9	160.7	148.9	161.9	160.7	159.5
12231.0	60°	8437.6	2726.7	277.6	164.2	165.4	132.3	138.2	152.4	151.2	145.3
13178.5	62.5°	8677.4	2340.4	178.4	139.4	126.4	119.3	126.4	138.2	133.5	120.5
13981.9	65°	8650.2	1805.2	137.0	119.3	104.0	104.0	109.9	120.5	106.3	85.1
14135.5	67.5°	8145.8	1221.6	113.4	100.4	87.4	86.2	91.0	100.4	91.0	72.1
13348.7	70°	7244.4	798.6	91.0	78.0	69.7	63.8	73.2	86.2	76.8	57.9
11363.9	72.5°	5879.8	486.7	68.5	56.7	50.8	41.3	57.9	70.9	61.4	42.5
7902.4	75°	3804.1	248.1	47.3	36.6	27.2	24.8	42.5	53.2	42.5	26.0
3506.4	77.5°	1455.5	104.0	26.0	16.5	14.2	11.8	23.6	31.9	17.7	5.9
679.3	80°	280.0	43.7	13.0	8.3	7.1	4.7	3.5	2.4	0.0	0.0
120.5	82.5°	48.4	14.2	4.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0
23.6	85°	16.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.3	87.5°	5.9	0.0	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°
2193.9
1331.4
779.7
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586.0
541.1
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421.8
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348.5
319.0
294.2
275.3
257.5
243.4
224.5
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