

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: P948965

Luminaire Tested: **GALN-SB3D-835-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948965  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-835-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

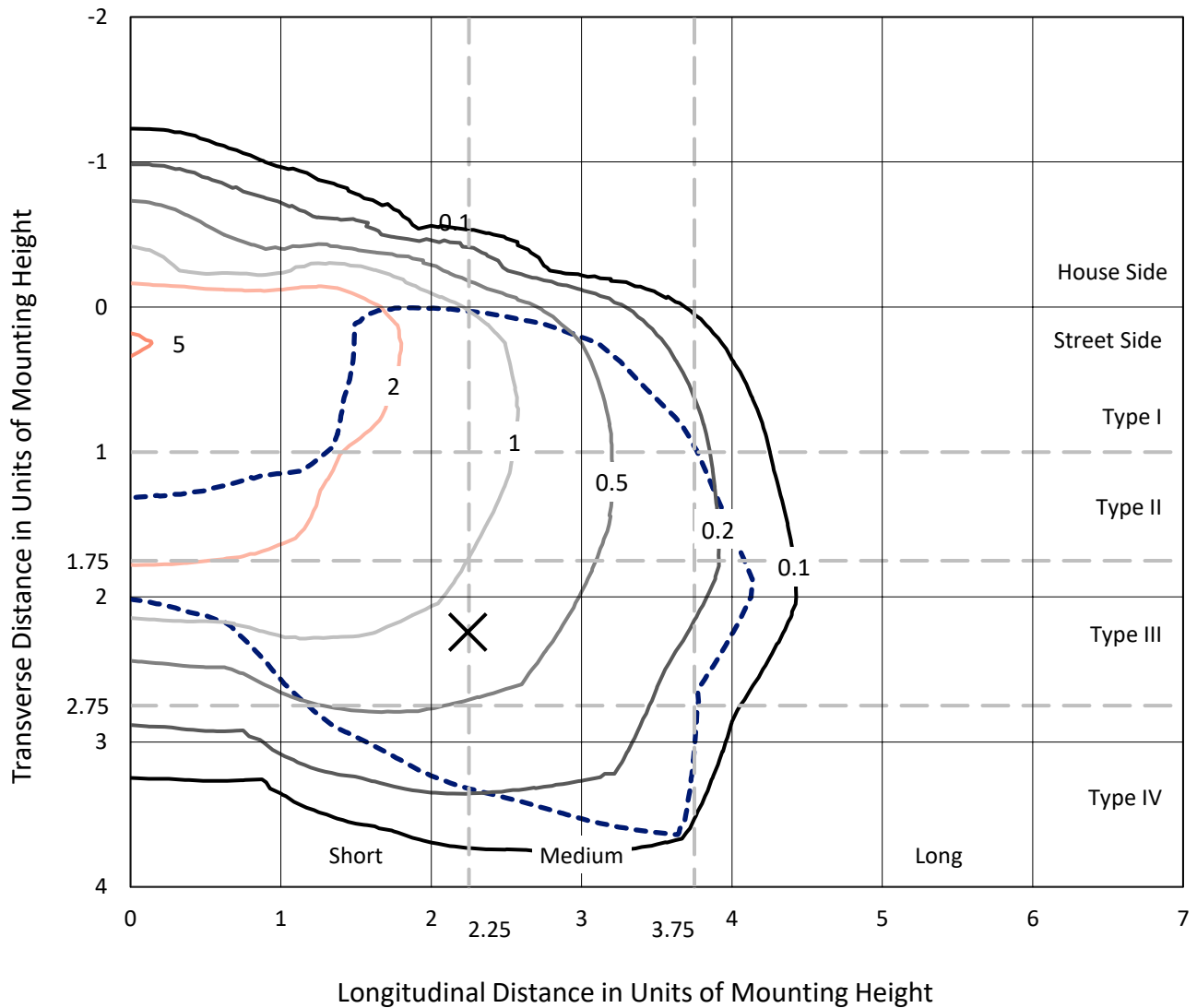
Lumens per Lamp: N/A  
Luminaire Lumens: 21814 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

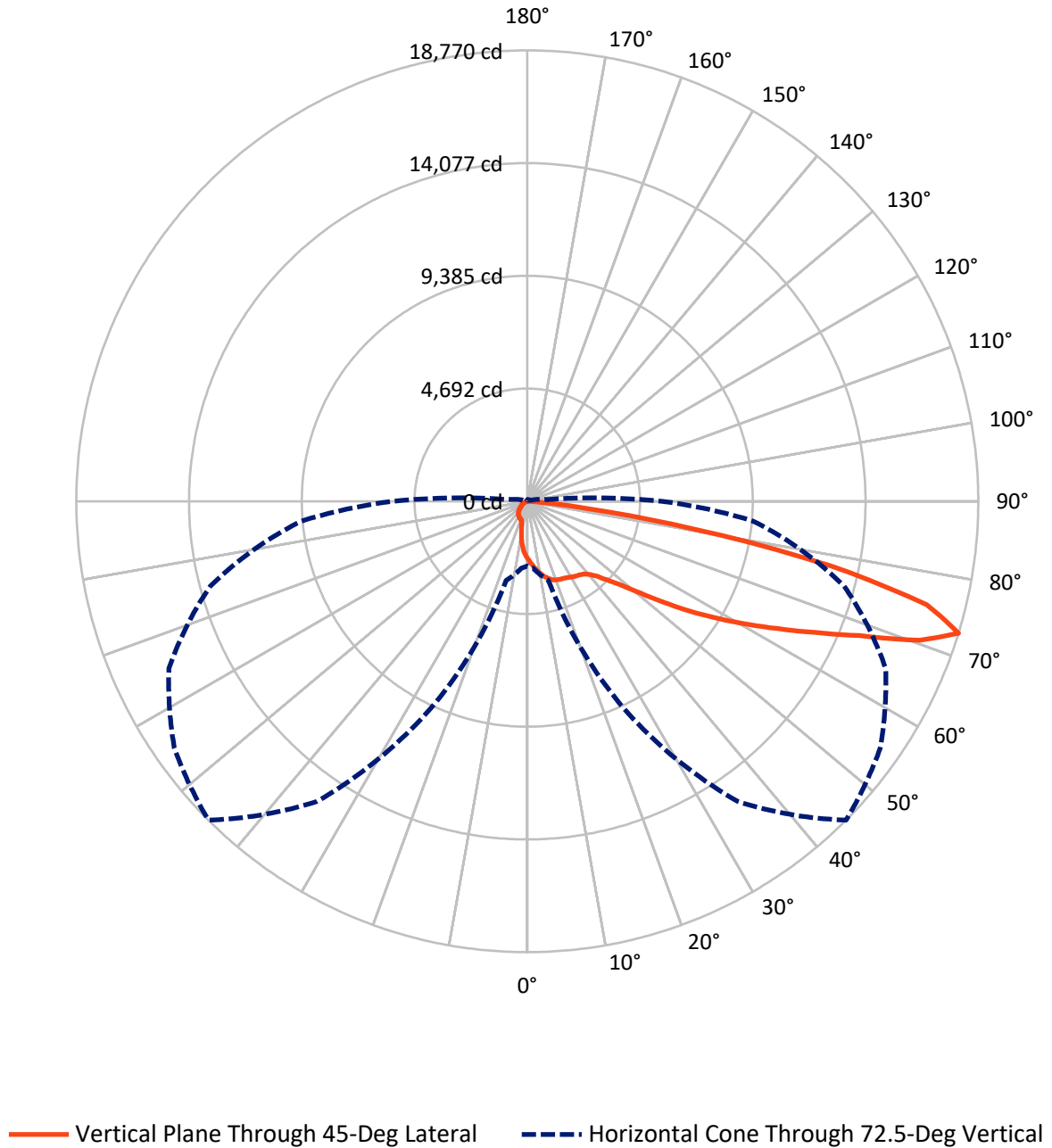
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2292.0	0.0	2292.0
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	19522.0	0.0	19522.0
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	21814.0	0.0	21814.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.2	1.0
10°-20°	658.1	3.0
20°-30°	1080.6	5.0
30°-40°	1532.6	7.0
40°-50°	2533.2	11.6
50°-60°	4550.7	20.9
60°-70°	6318.8	29.0
70°-80°	4583.5	21.0
80°-90°	331.4	1.5
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°	21814.0	100.0
0°-180°	21814.0	100.0

**Coefficient of Utilization**



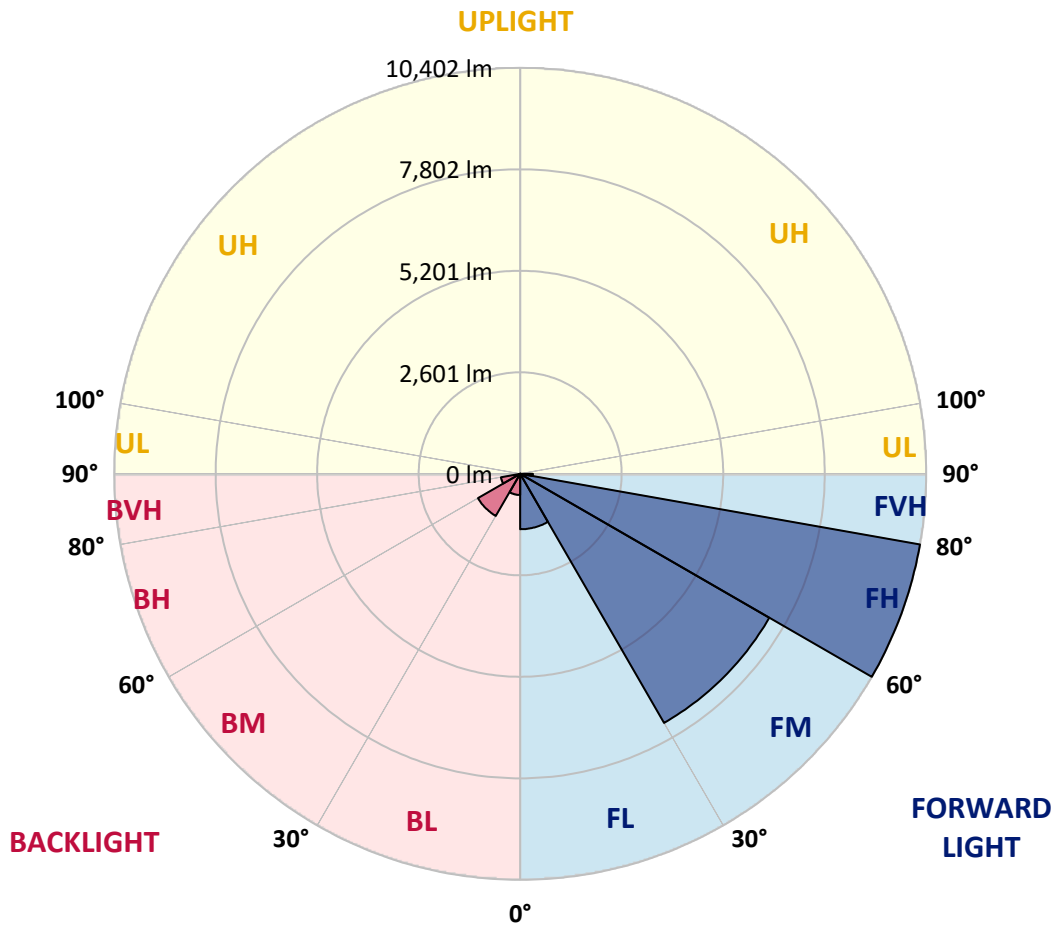
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1421.0	6.5			
FM (30°-60°)	7369.9	33.8			
FH (60°-80°)	10402.5	47.7			G4/12000
FVH (80°-90°)	328.6	1.5			G3/500
BL (0°-30°)	542.9	2.5	B2/1000		
BM (30°-60°)	1246.5	5.7	B2/2500		
BH (60°-80°)	499.8	2.3	B1/500		G1/500
BVH (80°-90°)	2.8	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8
2.5°	2610.1	2614.6	2611.6	2593.8	2564.0	2547.6	2538.7	2508.9	2489.5	2455.3
5°	2849.9	2867.7	2857.3	2821.6	2765.0	2724.8	2712.9	2651.8	2596.7	2532.7
7.5°	3104.5	3113.4	3094.0	3047.9	2972.0	2903.5	2893.0	2808.2	2720.3	2622.0
10°	3324.8	3335.3	3305.5	3238.5	3152.1	3067.2	3052.4	2958.6	2854.3	2733.7
12.5°	3509.5	3519.9	3481.2	3400.8	3305.5	3217.6	3202.7	3104.5	2989.8	2855.8
15°	3649.4	3668.8	3616.7	3530.3	3427.6	3339.7	3332.3	3235.5	3123.8	2974.9
17.5°	3731.3	3750.7	3701.5	3597.3	3509.5	3435.0	3426.1	3345.7	3241.5	3098.5
20°	3744.7	3762.6	3710.5	3619.6	3546.7	3487.1	3482.7	3424.6	3348.7	3211.7
22.5°	3704.5	3726.9	3679.2	3606.2	3555.6	3524.4	3518.4	3485.6	3442.5	3326.3
25°	3662.8	3680.7	3645.0	3580.9	3554.1	3551.2	3555.6	3549.7	3540.7	3442.5
27.5°	3659.8	3679.2	3639.0	3578.0	3563.1	3594.3	3598.8	3627.1	3634.5	3548.2
30°	3685.2	3698.6	3659.8	3595.8	3588.4	3659.8	3661.3	3712.0	3723.9	3637.5
32.5°	3740.3	3755.1	3716.4	3622.6	3612.2	3712.0	3716.4	3783.4	3802.8	3732.8
35°	3869.8	3887.7	3843.0	3697.1	3659.8	3761.1	3774.5	3853.4	3892.1	3834.1
37.5°	4192.9	4140.8	4079.7	3847.5	3768.5	3838.5	3860.9	3953.2	4021.7	3954.7
40°	4995.4	4831.7	4641.1	4103.6	3959.1	4003.8	4021.7	4114.0	4207.8	4142.3
42.5°	6200.0	6006.4	5699.7	4693.2	4246.5	4268.8	4282.2	4362.6	4495.2	4443.0
45°	7273.5	7203.6	6890.9	5699.7	4784.0	4673.8	4690.2	4731.9	4926.9	4907.6
47.5°	8098.4	8058.2	7817.0	6855.1	5692.3	5169.6	5215.8	5235.2	5516.6	5585.1
50°	8732.7	8717.8	8501.9	7882.5	6879.0	5900.7	5917.1	5875.4	6296.8	6466.5
52.5°	9331.3	9381.9	9222.6	8836.9	8146.1	6858.1	6855.1	6658.6	7227.4	7483.5
55°	9871.8	9889.6	9906.0	9810.7	9420.6	7948.0	7919.7	7598.1	8306.9	8571.9
57.5°	10379.5	10386.9	10532.9	10727.9	10747.3	9118.4	9066.2	8680.6	9486.1	9675.2
60°	10720.5	10754.7	11062.9	11604.9	11841.6	10325.9	10297.6	9904.5	10686.2	10774.1
62.5°	10229.1	10437.6	11214.8	12289.8	12875.0	11664.5	11651.1	11281.8	11948.9	11877.4
65°	8280.1	8633.0	9999.8	12752.9	13889.0	13159.4	13178.7	12785.6	13245.7	13013.5
67.5°	5792.0	6164.3	7781.3	12790.1	15022.1	14914.8	15026.5	14410.1	14623.0	14101.9
70°	4005.3	4197.4	5250.0	11989.1	15905.0	17332.9	17329.9	16405.3	15992.8	14597.7
72.5°	2693.5	2793.3	3409.7	9511.4	15255.8	18769.7	18683.4	17930.0	16454.4	13652.2
75°	1136.1	1209.0	1578.3	5345.3	12069.5	17172.1	16938.3	15845.4	14620.0	10750.2
77.5°	360.3	391.6	622.4	1913.3	6648.2	12907.7	12660.6	9895.6	9798.8	5393.0
80°	171.2	199.5	349.9	768.3	2616.1	7020.4	6986.2	4489.2	4215.2	1456.2
82.5°	74.4	87.8	193.6	411.0	1170.3	2504.4	2555.0	1527.7	1264.1	552.4
85°	23.8	31.3	89.3	189.1	494.3	622.4	614.9	363.3	509.2	300.8
87.5°	0.0	0.0	29.8	43.2	50.6	35.7	40.2	31.3	141.5	83.4
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°
2389.8	0°	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8	2389.8
2419.5	2.5°	2401.7	2377.9	2336.2	2297.5	2263.2	2229.0	2208.1	2178.3	2175.4	2175.4
2458.3	5°	2418.1	2379.3	2304.9	2226.0	2135.2	2048.8	1962.4	1879.1	1852.3	1832.9
2520.8	7.5°	2465.7	2404.7	2287.0	2136.6	1963.9	1774.8	1642.3	1499.4	1444.3	1414.5
2604.2	10°	2534.2	2450.8	2272.1	2008.6	1728.7	1471.1	1282.0	1127.1	1067.6	1042.3
2695.0	12.5°	2610.1	2507.4	2245.3	1849.3	1471.1	1162.9	978.2	906.8	897.8	897.8
2803.7	15°	2701.0	2575.9	2199.2	1661.7	1201.6	920.2	854.7	857.6	866.6	872.5
2909.4	17.5°	2794.8	2648.8	2126.2	1451.7	963.4	827.9	829.3	833.8	841.3	847.2
3024.1	20°	2896.0	2721.8	2029.4	1228.4	826.4	801.1	805.5	810.0	815.9	818.9
3131.3	22.5°	3004.7	2790.3	1914.8	1009.5	780.2	778.7	780.2	784.7	792.1	792.1
3256.3	25°	3120.8	2866.2	1783.8	850.2	756.4	756.4	759.4	762.3	768.3	768.3
3376.9	27.5°	3240.0	2936.2	1645.3	766.8	735.5	734.1	734.1	738.5	741.5	743.0
3496.1	30°	3371.0	3018.1	1506.8	748.9	719.2	711.7	707.3	710.2	713.2	714.7
3621.1	32.5°	3505.0	3097.0	1383.2	756.4	702.8	689.4	674.5	671.5	671.5	677.5
3750.7	35°	3653.9	3183.4	1287.9	781.7	693.9	656.6	632.8	619.4	620.9	629.8
3905.5	37.5°	3832.6	3287.6	1218.0	804.0	687.9	619.4	580.7	564.3	553.9	564.3
4118.4	40°	4066.3	3441.0	1167.3	821.9	680.5	576.2	524.1	497.3	478.0	483.9
4449.0	42.5°	4410.3	3682.2	1148.0	823.4	664.1	525.6	466.0	430.3	402.0	403.5
4946.3	45°	4892.7	4063.4	1247.7	804.0	628.3	470.5	405.0	357.3	339.5	335.0
5689.3	47.5°	5553.8	4618.7	1478.5	763.8	576.2	416.9	345.4	305.2	291.8	284.4
6664.6	50°	6439.7	5331.9	1734.6	719.2	524.1	366.3	296.3	271.0	262.1	254.6
7821.5	52.5°	7467.1	6055.6	1944.6	674.5	472.0	321.6	265.0	250.1	242.7	236.7
8938.2	55°	8409.6	6554.4	1932.7	626.8	421.4	285.9	242.7	233.8	224.8	218.9
9900.1	57.5°	8996.3	6624.4	1593.2	574.7	363.3	257.6	221.9	215.9	205.5	198.0
10732.4	60°	9265.8	6225.3	1116.7	506.2	305.2	230.8	199.5	196.5	183.1	172.7
11520.0	62.5°	9314.9	5483.8	744.5	421.4	254.6	205.5	177.2	172.7	154.9	137.0
12160.3	65°	9115.4	4423.7	515.2	329.1	217.4	178.7	151.9	142.9	123.6	105.7
12312.2	67.5°	8484.1	3106.0	358.8	236.7	184.6	141.5	120.6	117.6	102.7	87.8
11537.9	70°	7327.1	1770.4	239.7	177.2	145.9	96.8	95.3	98.3	83.4	71.5
9426.6	72.5°	5617.8	810.0	148.9	129.5	99.8	65.5	75.9	77.4	64.0	53.6
5881.4	75°	3307.0	346.9	93.8	83.4	50.6	43.2	55.1	56.6	43.2	34.2
2150.0	77.5°	1125.6	131.0	59.6	49.1	25.3	23.8	35.7	35.7	23.8	13.4
431.8	80°	256.1	49.1	29.8	19.4	11.9	10.4	11.9	10.4	6.0	1.5
132.5	82.5°	73.0	19.4	11.9	7.4	4.5	4.5	1.5	0.0	0.0	0.0
46.2	85°	20.8	8.9	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
16.4	87.5°	8.9	1.5	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°
2389.8
2182.8
1841.8
1419.0
1042.3
897.8
872.5
847.2
820.4
795.1
769.8
744.5
717.7
681.9
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561.3
480.9
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235.3
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