

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: P954085

Luminaire Tested: **GALN-SB7B-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-940-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22178 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

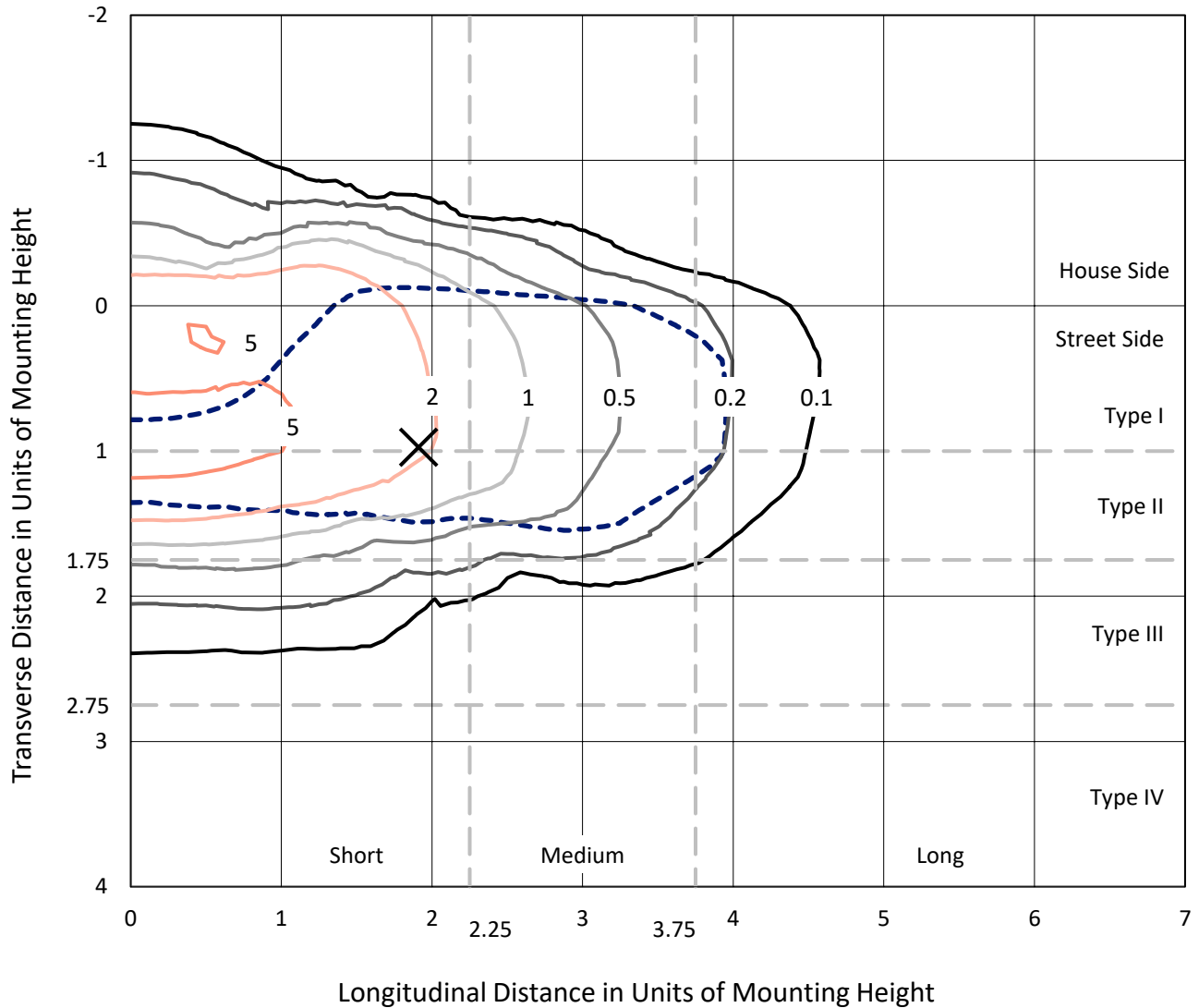
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

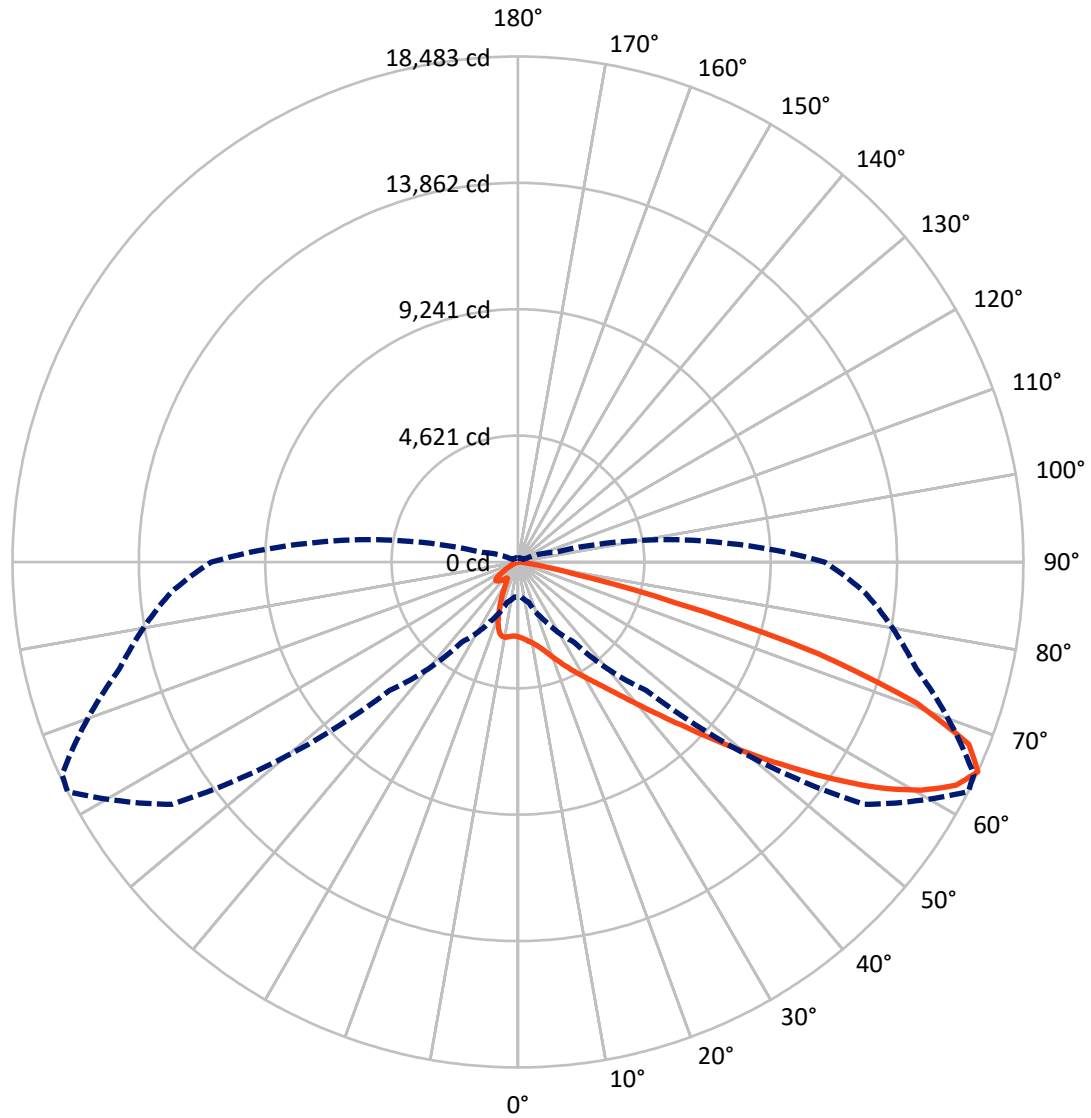
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.0	0.0	3260.0
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	18918.0	0.0	18918.0
	% Fixture	85.3	0.0	85.3
Total	Lumens	22178.0	0.0	22178.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.9	1.2
10°-20°	715.6	3.2
20°-30°	1246.0	5.6
30°-40°	2245.7	10.1
40°-50°	4454.0	20.1
50°-60°	6067.1	27.4
60°-70°	4842.7	21.8
70°-80°	2191.4	9.9
80°-90°	157.5	0.7
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°	22178.0	100.0
0°-180°	22178.0	100.0



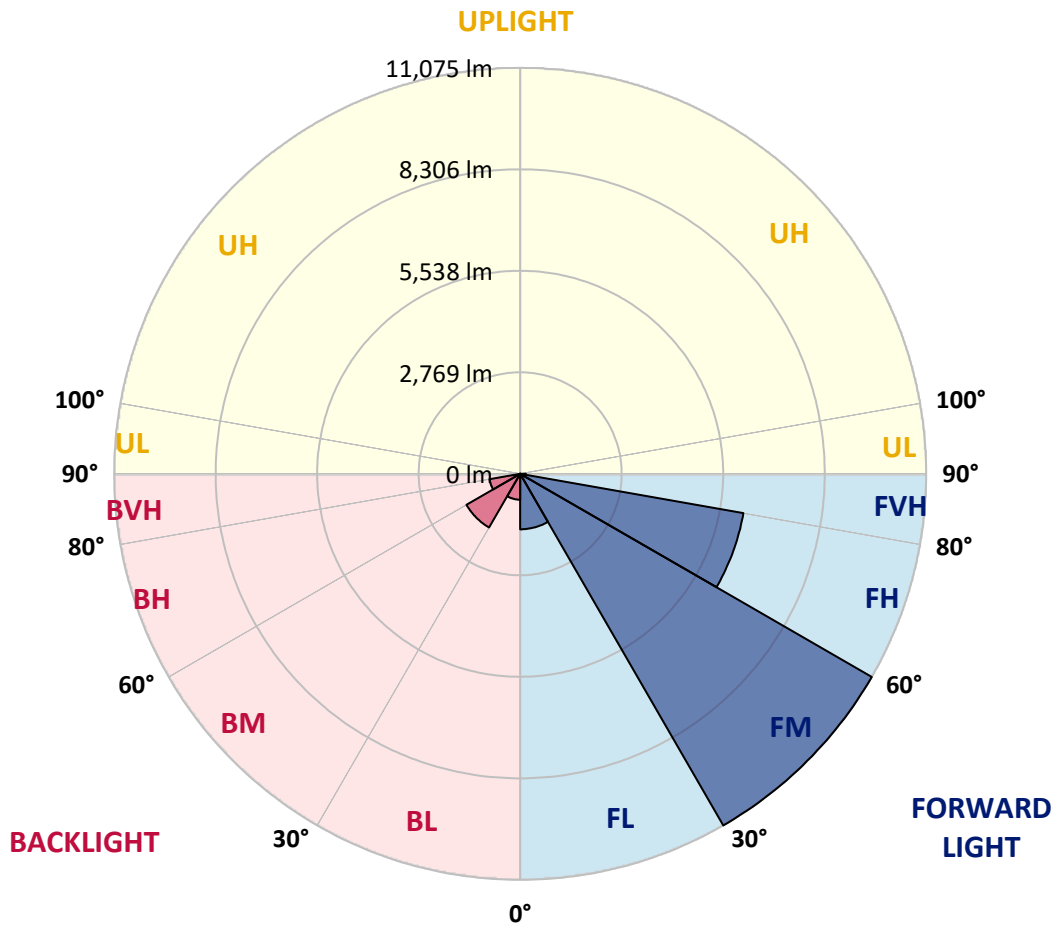
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1513.9	6.8			
FM (30°-60°)	11075.1	49.9			
FH (60°-80°)	6183.1	27.9			G3/7500
FVH (80°-90°)	145.8	0.7			G2/225
BL (0°-30°)	705.5	3.2	B2/1000		
BM (30°-60°)	1691.7	7.6	B2/2500		
BH (60°-80°)	851.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2
2.5°	2801.3	2793.6	2804.3	2799.7	2796.7	2790.6	2787.5	2784.5	2778.4	2773.8
5°	2808.9	2804.3	2815.0	2824.2	2833.3	2842.5	2847.0	2853.1	2847.0	2834.8
7.5°	2744.8	2741.8	2764.6	2792.1	2833.3	2868.4	2906.5	2927.9	2929.4	2924.9
10°	2740.2	2732.6	2755.5	2789.1	2842.5	2905.0	2972.1	3017.9	3024.0	3043.9
12.5°	2811.9	2804.3	2836.4	2873.0	2927.9	2993.5	3075.9	3140.0	3149.1	3176.6
15°	2932.5	2921.8	2958.4	3005.7	3075.9	3150.7	3237.6	3295.6	3303.2	3336.8
17.5°	3072.8	3062.2	3104.9	3155.2	3231.5	3333.8	3434.4	3498.5	3507.7	3529.0
20°	3252.9	3239.2	3272.7	3318.5	3399.4	3521.4	3642.0	3733.5	3732.0	3732.0
22.5°	3461.9	3440.6	3469.5	3506.2	3582.4	3730.4	3890.6	3999.0	3999.0	3956.3
25°	3686.2	3664.8	3696.9	3730.4	3797.6	3965.4	4153.1	4287.3	4293.4	4220.2
27.5°	3966.9	3939.5	3963.9	4003.6	4043.2	4214.1	4436.9	4592.5	4595.5	4482.6
30°	4507.0	4429.2	4352.9	4310.2	4328.5	4497.9	4735.9	4908.3	4923.6	4767.9
32.5°	5495.7	5480.5	5211.9	4861.0	4677.9	4803.0	5070.0	5277.5	5286.7	5086.8
35°	7032.2	7013.8	6582.1	5913.8	5317.2	5211.9	5475.9	5721.5	5715.4	5489.6
37.5°	8866.1	8849.3	8280.2	7386.1	6420.3	5829.9	5999.2	6257.1	6295.2	5999.2
40°	10433.0	10370.5	10010.4	9148.4	7885.0	6855.2	6743.8	6914.7	6954.3	6603.4
42.5°	11620.1	11566.7	11383.6	10845.0	9658.0	8371.8	7621.1	7686.7	7730.9	7309.8
45°	12234.9	12222.7	12296.0	12245.6	11464.4	10233.2	8875.3	8602.1	8618.9	8092.5
47.5°	12321.9	12315.8	12649.9	13122.9	13017.6	12332.6	10484.9	9743.4	9683.9	8976.0
50°	11809.3	11797.1	12437.9	13324.3	14055.2	14096.3	12312.8	11029.6	10898.4	9889.9
52.5°	10172.1	10169.1	11221.8	12697.2	14419.8	15640.4	14119.2	12442.4	12222.7	10857.2
55°	7827.1	7883.5	9090.4	10834.3	13754.6	16383.4	15741.1	14010.9	13673.7	11830.6
57.5°	5544.6	5626.9	6820.1	8373.3	11691.8	15944.0	16838.1	15582.4	15219.3	12801.0
60°	2978.3	3051.5	4246.1	6099.9	8698.3	14305.4	17416.4	16946.4	16603.1	13722.5
62.5°	1774.4	1798.9	2293.2	3937.9	5883.3	10928.9	17170.7	17985.5	17703.2	14496.1
65°	1274.0	1278.6	1527.3	2404.6	3571.8	6640.0	15448.2	18482.9	18395.9	15078.9
67.5°	1072.6	1069.5	1173.3	1597.5	2433.6	3326.1	11839.8	17779.5	18148.7	15448.2
70°	920.0	924.6	1046.7	1170.2	1829.4	1882.8	5886.3	15480.2	16267.5	15545.8
72.5°	685.1	700.3	813.2	1066.5	1380.8	1295.4	2032.3	11478.2	12901.7	14647.1
75°	483.7	491.3	572.2	897.1	1029.9	942.9	1037.5	5933.6	7758.4	11229.5
77.5°	372.3	386.0	433.3	627.1	1014.6	662.2	634.7	2053.7	3155.2	6783.5
80°	201.4	225.8	312.8	453.1	712.5	468.4	314.3	817.8	1069.5	3172.0
82.5°	103.8	116.0	218.2	326.5	405.8	408.9	155.6	340.2	440.9	979.5
85°	41.2	50.3	146.5	180.0	209.0	201.4	70.2	137.3	158.7	271.6
87.5°	9.2	15.3	53.4	41.2	39.7	42.7	16.8	32.0	30.5	32.0
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°
2737.2	0°	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2	2737.2
2755.5	2.5°	2754.0	2747.9	2731.1	2712.8	2691.4	2679.2	2671.6	2670.1	2659.4	2651.7
2816.5	5°	2799.7	2793.6	2761.6	2723.5	2682.3	2650.2	2619.7	2592.2	2552.6	2544.9
2905.0	7.5°	2891.3	2874.5	2822.6	2770.8	2692.9	2599.9	2487.0	2357.3	2241.3	2206.2
3022.5	10°	3004.2	2981.3	2915.7	2824.2	2651.7	2398.5	2125.4	1872.1	1670.7	1614.2
3161.3	12.5°	3132.4	3112.5	3025.5	2856.2	2479.3	2020.1	1602.0	1287.7	1092.4	1043.6
3309.3	15°	3284.9	3255.9	3135.4	2807.4	2171.1	1534.9	1100.1	913.9	843.7	834.6
3478.7	17.5°	3446.7	3399.4	3233.1	2631.9	1756.1	1090.9	849.8	796.4	765.9	756.8
3649.6	20°	3594.7	3533.6	3291.0	2366.4	1312.1	849.8	761.3	726.3	698.8	688.1
3820.5	22.5°	3742.6	3655.7	3291.0	2004.8	984.1	753.7	698.8	666.8	634.7	621.0
4003.6	25°	3896.7	3780.8	3233.1	1602.0	791.9	691.2	639.3	604.2	576.7	559.9
4177.5	27.5°	4046.3	3886.1	3100.3	1220.6	704.9	636.2	584.4	550.8	524.9	512.6
4366.7	30°	4188.2	3989.8	2914.2	926.1	648.4	582.8	534.0	505.0	479.1	466.9
4612.3	32.5°	4380.4	4121.0	2715.8	759.8	599.6	532.5	488.2	460.8	437.9	428.7
4931.2	35°	4647.4	4314.8	2544.9	746.1	558.4	491.3	447.0	421.1	398.2	390.6
5343.2	37.5°	5025.8	4627.6	2454.9	837.6	524.9	454.7	413.5	386.0	364.7	358.5
5866.5	40°	5492.7	5051.7	2503.7	929.2	502.0	422.6	383.0	355.5	337.2	329.6
6467.6	42.5°	6046.5	5575.1	2773.8	999.4	486.7	395.2	354.0	323.5	311.3	308.2
7149.6	45°	6682.8	6150.3	3187.3	1074.1	462.3	369.2	325.0	302.1	292.9	291.4
7891.1	47.5°	7406.0	6781.9	3666.4	1167.2	437.9	344.8	302.1	286.8	279.2	276.2
8664.7	50°	8123.1	7418.2	4159.2	1219.1	418.1	321.9	283.8	271.6	265.5	264.0
9482.5	52.5°	8873.7	8072.7	4557.4	1170.2	401.3	303.6	268.5	259.4	253.3	251.7
10236.2	55°	9589.3	8602.1	4626.1	993.3	367.7	285.3	251.7	247.2	239.5	239.5
11000.6	57.5°	10205.7	8867.6	4140.9	729.3	334.1	257.9	235.0	230.4	224.3	222.8
11690.2	60°	10771.8	8791.3	3196.4	491.3	297.5	230.4	213.6	210.6	204.4	196.8
12289.9	62.5°	11090.6	8455.7	2186.4	320.4	260.9	201.4	189.2	187.7	173.9	158.7
12733.9	65°	11211.2	7766.0	1364.0	233.4	218.2	172.4	163.3	160.2	140.4	123.6
12985.6	67.5°	11105.9	6630.9	688.1	184.6	172.4	143.4	134.3	134.3	120.5	105.3
12970.3	70°	10684.8	4970.9	289.9	148.0	132.7	109.9	109.9	116.0	102.2	85.4
12297.5	72.5°	9770.9	3344.4	154.1	112.9	99.2	77.8	90.0	94.6	80.9	64.1
10065.3	75°	7767.6	2039.9	106.8	83.9	62.6	54.9	68.7	71.7	54.9	42.7
6900.9	77.5°	5312.6	1171.8	71.7	53.4	39.7	32.0	47.3	44.2	29.0	19.8
2660.9	80°	2332.9	488.2	41.2	24.4	15.3	12.2	16.8	12.2	9.2	6.1
364.7	82.5°	273.1	114.4	15.3	9.2	6.1	3.1	1.5	0.0	0.0	0.0
111.4	85°	56.5	13.7	7.6	3.1	1.5	0.0	0.0	0.0	0.0	0.0
19.8	87.5°	10.7	3.1	1.5	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°
2737.2
2659.4
2541.9
2189.4
1592.9
1029.9
825.4
752.2
682.0
613.3
553.8
512.6
468.4
428.7
390.6
357.0
328.0
308.2
289.9
276.2
264.0
251.7
238.0
221.2
195.3
155.6
122.1
103.8
83.9
64.1
41.2
21.4
6.1
0.0
0.0
0.0
0.0

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