

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: P951563

Luminaire Tested: **GALN-SB5C-935-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951563
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-SB5C-935-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 22282 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

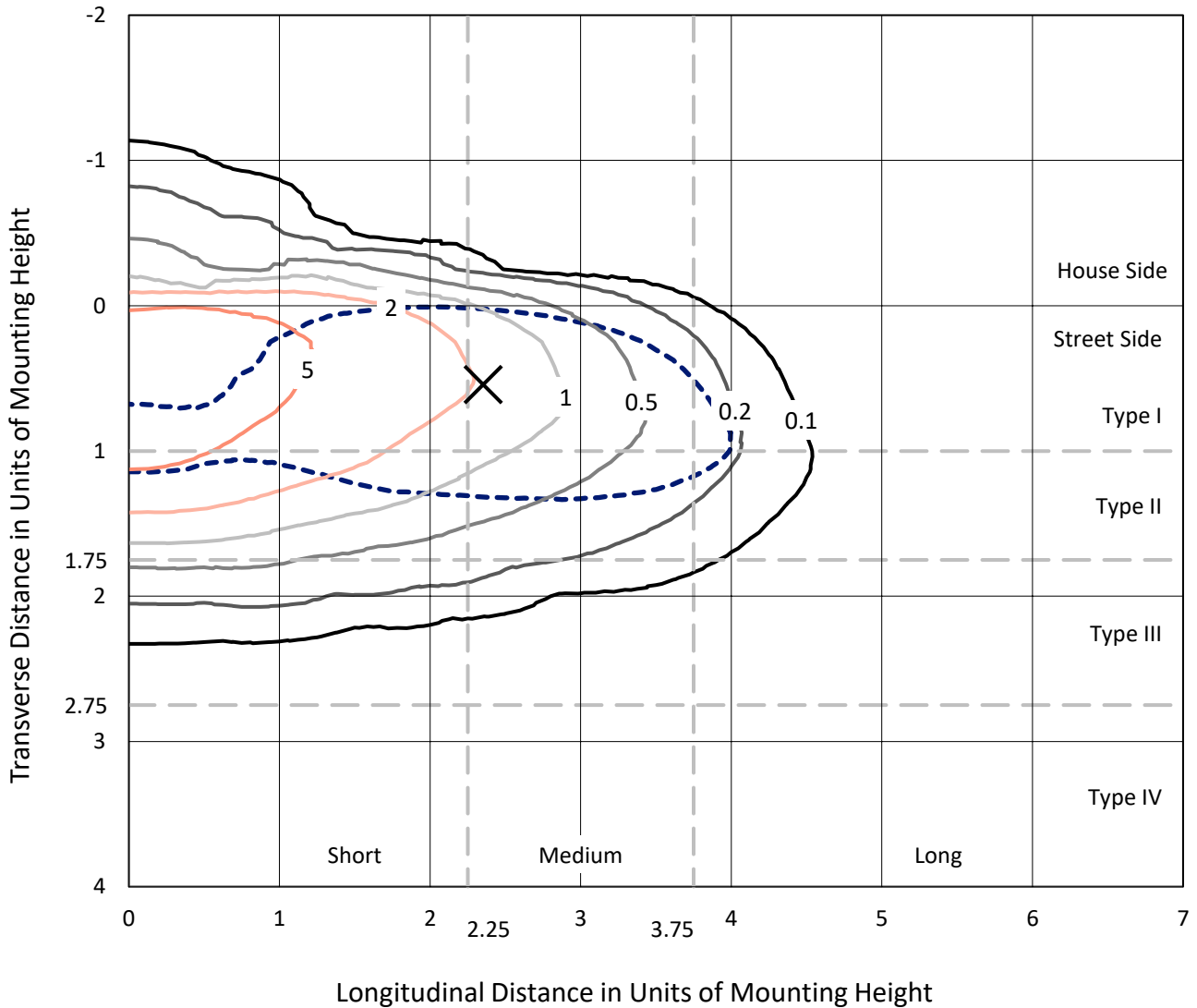
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

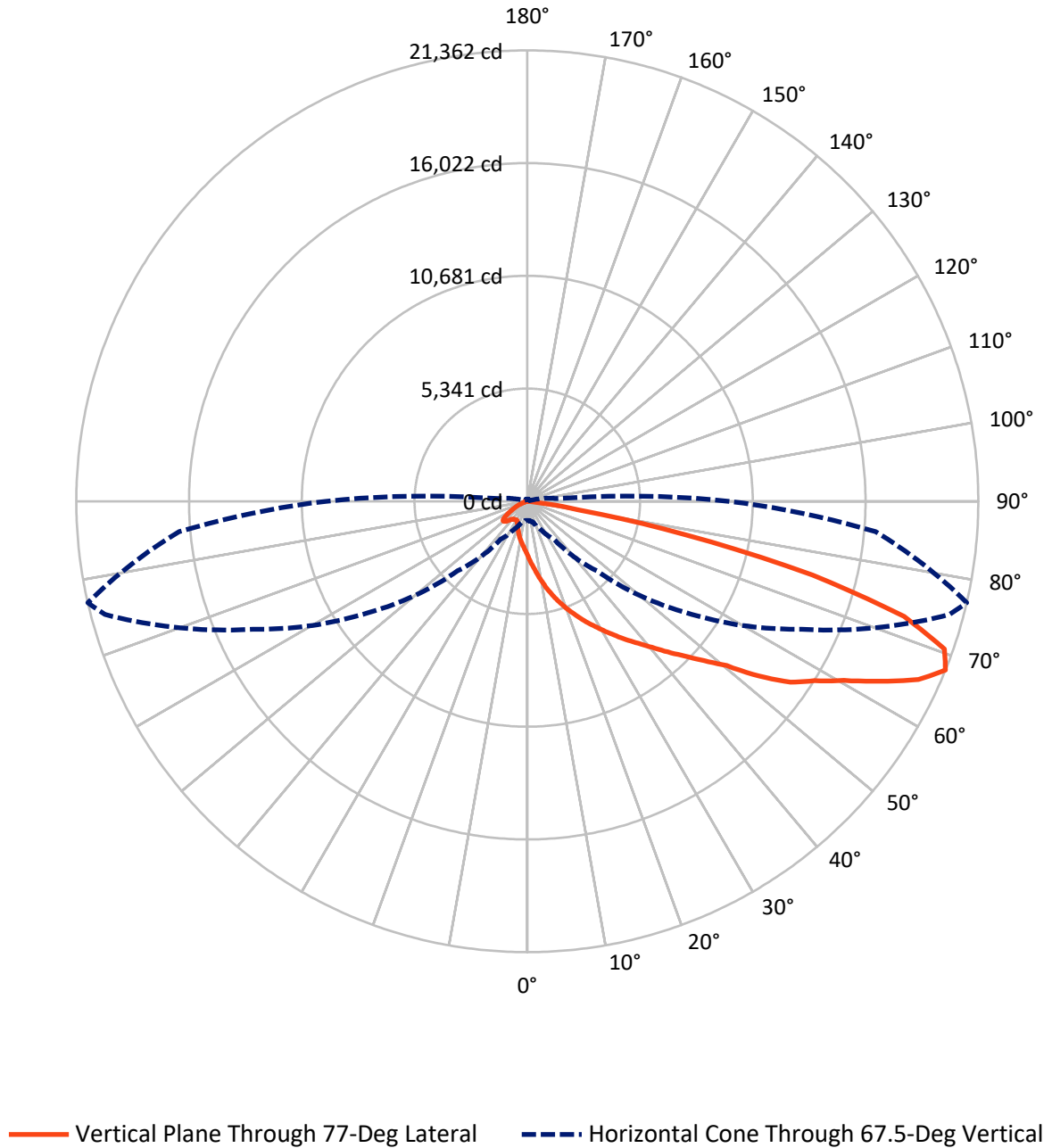
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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	1639.3	0.0	1639.3
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	20642.7	0.0	20642.7
	% Fixture	92.6	0.0	92.6
Total	Lumens	22282.0	0.0	22282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	1.2
10°-20°	918.4	4.1
20°-30°	1772.2	8.0
30°-40°	3076.7	13.8
40°-50°	4467.2	20.0
50°-60°	5130.0	23.0
60°-70°	4453.8	20.0
70°-80°	2097.8	9.4
80°-90°	103.7	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°	22282.0	100.0
0°-180°	22282.0	100.0

Coefficient of Utilization



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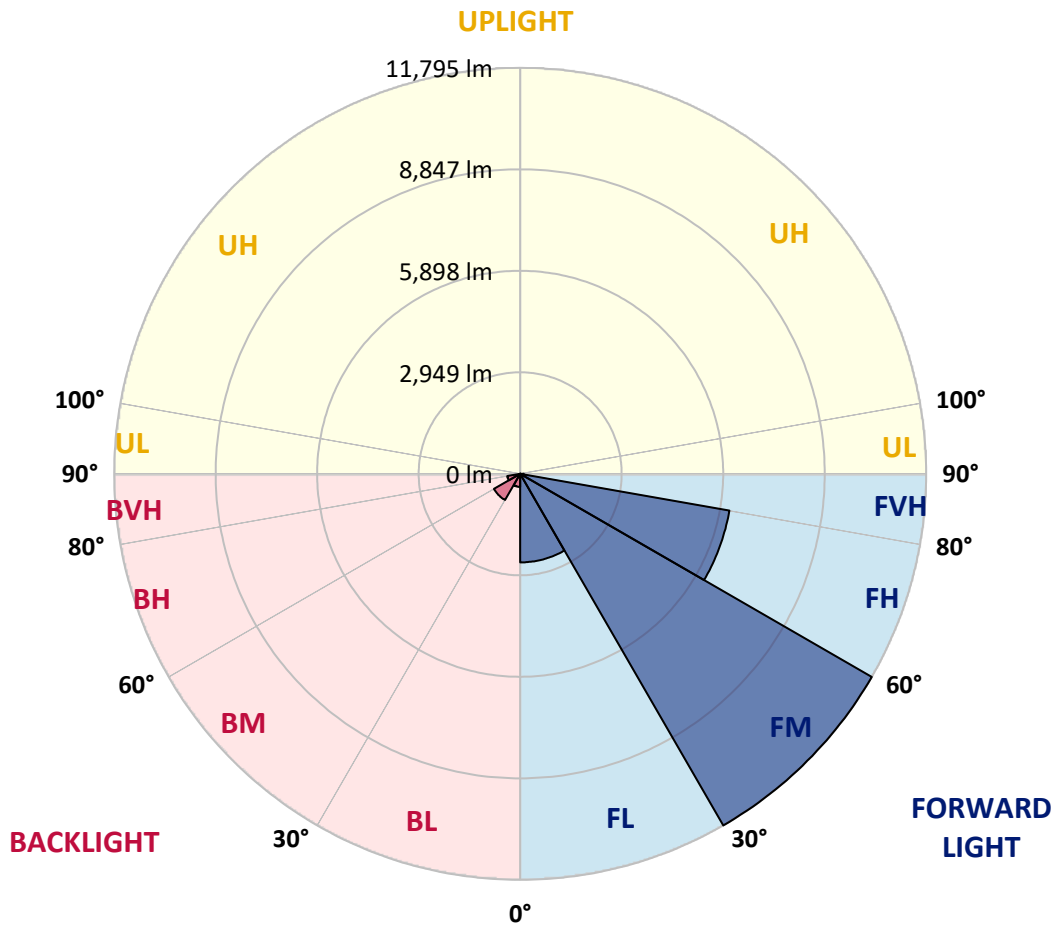
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2573.3	11.5			
FM (30°-60°)	11795.5	52.9			
FH (60°-80°)	6172.0	27.7			G3/7500
FVH (80°-90°)	101.8	0.5			G2/225
BL (0°-30°)	379.5	1.7	B1/500		
BM (30°-60°)	878.4	3.9	B1/1000		
BH (60°-80°)	379.5	1.7	B1/500		G1/500
BVH (80°-90°)	1.9	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°	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4
2.5°	3557.4	3579.5	3547.7	3486.8	3395.5	3336.0	3190.7	3053.7	2901.5	2853.1
5°	4336.4	4355.7	4319.8	4253.3	4131.6	4015.4	3824.4	3538.0	3240.5	3145.0
7.5°	4913.3	4924.4	4910.6	4849.7	4733.5	4602.0	4388.9	4049.9	3608.6	3503.4
10°	5328.4	5364.4	5360.3	5336.7	5259.3	5152.7	4925.8	4539.8	4020.9	3885.3
12.5°	5603.8	5643.9	5667.4	5720.0	5715.9	5648.1	5448.8	5040.6	4431.8	4272.7
15°	5684.0	5726.9	5816.9	5938.6	6046.6	6081.2	5941.4	5531.8	4884.3	4680.9
17.5°	5638.4	5704.8	5812.7	6005.1	6241.7	6398.0	6382.8	6006.4	5295.2	5062.8
20°	5739.4	5803.0	5887.4	6049.3	6324.7	6608.3	6721.8	6460.3	5703.4	5459.9
22.5°	6298.4	6287.3	6295.6	6321.9	6486.6	6767.4	7001.3	6872.6	6107.4	5858.4
25°	7183.9	7134.1	7049.7	6907.2	6865.7	7001.3	7244.8	7237.9	6533.6	6266.6
27.5°	8199.5	8191.2	7993.4	7650.2	7456.5	7403.9	7520.1	7593.5	6955.6	6670.6
30°	9172.2	9194.4	8927.3	8545.4	8189.8	7983.7	7878.5	7931.1	7384.6	7106.4
32.5°	10019.0	10042.5	9752.0	9305.1	8865.1	8616.0	8394.6	8264.6	7852.2	7549.2
35°	10734.4	10757.9	10424.4	9930.5	9461.4	9235.9	8985.4	8629.8	8322.7	8040.4
37.5°	11373.6	11366.7	10919.8	10421.7	9960.9	9782.4	9651.0	9079.5	8806.9	8534.4
40°	11751.4	11780.4	11398.5	10849.2	10402.3	10272.2	10263.9	9637.1	9365.9	9101.7
42.5°	11862.1	11913.2	11636.5	11185.4	10780.0	10638.9	10856.1	10240.4	10016.3	9758.9
45°	11662.8	11712.6	11586.7	11274.0	11037.4	10946.1	11365.3	10865.8	10710.9	10456.3
47.5°	11081.7	11143.9	11174.4	11108.0	11105.2	11197.9	11821.9	11524.4	11535.5	11275.4
50°	9956.8	10061.9	10341.4	10576.6	10940.5	11397.1	12266.1	12238.4	12465.3	12241.2
52.5°	7911.7	8061.2	9024.2	9667.6	10485.3	11359.8	12754.5	13384.1	14096.6	13768.7
55°	6357.9	6357.9	7141.0	8344.8	9597.0	11113.5	12967.6	14128.5	15207.7	15130.2
57.5°	5183.2	5245.4	5744.9	6809.0	8311.6	10526.8	13099.0	14596.1	16102.9	16046.2
60°	3199.0	3333.2	4276.9	5327.1	6849.1	9482.2	13016.0	15069.4	17189.1	17234.8
62.5°	1801.5	1851.3	2272.0	3832.7	5325.7	8077.8	12380.9	15333.6	18578.3	18772.0
65°	1243.9	1268.8	1430.7	2385.4	3691.6	6431.2	11139.8	15169.0	19970.3	20361.8
67.5°	903.5	916.0	1017.0	1457.0	2190.3	4662.9	9194.4	14338.8	20707.7	21362.2
70°	694.6	702.9	776.2	957.5	1293.7	2878.0	6677.5	12688.1	20173.6	20955.4
72.5°	564.5	572.8	629.6	708.4	857.9	1701.9	4047.2	10304.1	17815.9	18659.9
75°	476.0	487.0	538.2	589.4	672.5	1093.1	1898.4	7175.6	13397.9	13951.4
77.5°	264.3	243.5	437.2	488.4	567.3	691.8	888.3	4222.9	7503.5	7657.1
80°	164.7	170.2	347.3	393.0	435.9	348.7	406.8	1625.8	2601.3	2471.2
82.5°	9.7	22.1	267.0	283.6	298.9	149.4	153.6	552.1	626.8	575.6
85°	0.0	0.0	121.8	98.2	103.8	42.9	44.3	128.7	84.4	91.3
87.5°	0.0	0.0	0.0	2.8	0.0	4.2	8.3	11.1	4.2	5.5
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°
2569.4	0°	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4	2569.4
2700.9	2.5°	2604.0	2507.2	2310.7	2118.4	1962.0	1816.7	1713.0	1614.7	1564.9	1562.1
2875.2	5°	2682.9	2479.5	2086.5	1739.3	1459.8	1235.6	1090.3	986.5	934.0	916.0
3089.7	7.5°	2793.6	2487.8	1890.1	1407.2	1077.9	885.5	802.5	769.3	758.2	745.8
3331.8	10°	2933.3	2507.2	1714.3	1133.2	849.6	752.7	719.5	705.7	697.4	689.1
3604.4	12.5°	3089.7	2525.2	1540.0	940.9	747.2	697.4	673.8	657.2	646.2	636.5
3883.9	15°	3241.9	2536.2	1358.7	806.7	694.6	654.5	629.6	611.6	596.4	585.3
4157.9	17.5°	3392.7	2551.5	1188.6	726.4	651.7	611.6	586.7	564.5	552.1	539.6
4445.7	20°	3560.1	2548.7	1028.1	669.7	608.8	568.7	542.4	521.6	509.2	495.3
4750.1	22.5°	3715.1	2534.9	886.9	621.3	564.5	525.8	496.7	476.0	463.5	452.5
5061.4	25°	3893.6	2523.8	769.3	577.0	523.0	484.3	452.5	433.1	419.2	409.6
5374.1	27.5°	4065.2	2507.2	683.5	536.9	482.9	445.5	415.1	393.0	380.5	373.6
5696.5	30°	4234.0	2503.0	651.7	498.1	446.9	409.6	379.1	358.4	348.7	345.9
6050.7	32.5°	4437.4	2514.1	665.5	484.3	413.7	376.4	347.3	332.1	322.4	322.4
6445.1	35°	4654.6	2511.3	686.3	496.7	391.6	343.1	321.0	311.3	301.6	301.6
6882.3	37.5°	4927.2	2515.5	702.9	517.5	383.3	315.5	303.0	290.6	285.0	285.0
7361.0	40°	5334.0	2652.5	694.6	535.5	380.5	296.1	271.2	267.0	262.9	262.9
7902.0	42.5°	5832.1	2949.9	705.7	536.9	379.1	282.3	249.1	257.4	247.7	246.3
8512.2	45°	6377.3	3275.1	776.2	507.8	377.7	275.3	238.0	247.7	232.5	232.5
9219.3	47.5°	6918.3	3597.5	848.2	466.3	373.6	274.0	228.3	222.8	218.6	220.0
10140.8	50°	7664.0	3860.4	875.9	409.6	363.9	271.2	210.3	211.7	208.9	211.7
11440.0	52.5°	8476.3	3915.7	842.6	345.9	336.2	262.9	197.9	203.4	202.0	204.8
12354.6	55°	8982.7	3856.2	696.0	287.8	293.3	229.7	185.4	196.5	196.5	196.5
13248.5	57.5°	9505.7	3603.0	494.0	233.8	243.5	188.2	174.3	189.6	188.2	186.8
14325.0	60°	9882.0	3193.5	325.2	192.3	193.7	155.0	161.9	178.5	177.1	170.2
15434.6	62.5°	10162.9	2741.0	208.9	163.3	148.1	139.7	148.1	161.9	156.4	141.1
16375.5	65°	10131.1	2114.2	160.5	139.7	121.8	121.8	128.7	141.1	124.5	99.6
16555.4	67.5°	9540.3	1430.7	132.8	117.6	102.4	101.0	106.5	117.6	106.5	84.4
15633.9	70°	8484.6	935.3	106.5	91.3	81.6	74.7	85.8	101.0	89.9	67.8
13309.4	72.5°	6886.4	570.1	80.3	66.4	59.5	48.4	67.8	83.0	71.9	49.8
9255.2	75°	4455.4	290.6	55.3	42.9	31.8	29.1	49.8	62.3	49.8	30.4
4106.7	77.5°	1704.7	121.8	30.4	19.4	16.6	13.8	27.7	37.4	20.8	6.9
795.6	80°	327.9	51.2	15.2	9.7	8.3	5.5	4.2	2.8	0.0	0.0
141.1	82.5°	56.7	16.6	5.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0
27.7	85°	19.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9.7	87.5°	6.9	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°
2569.4
1559.4
913.2
743.0
686.3
633.7
583.9
538.2
494.0
451.1
408.2
373.6
344.5
322.4
301.6
285.0
262.9
244.9
232.5
220.0
211.7
204.8
196.5
186.8
170.2
138.4
96.9
81.6
65.0
47.0
26.3
5.5
0.0
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