

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: P953373

Luminaire Tested: **GALN-SB6D-940-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953373
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-SB6D-940-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 900mA 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: 37228 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

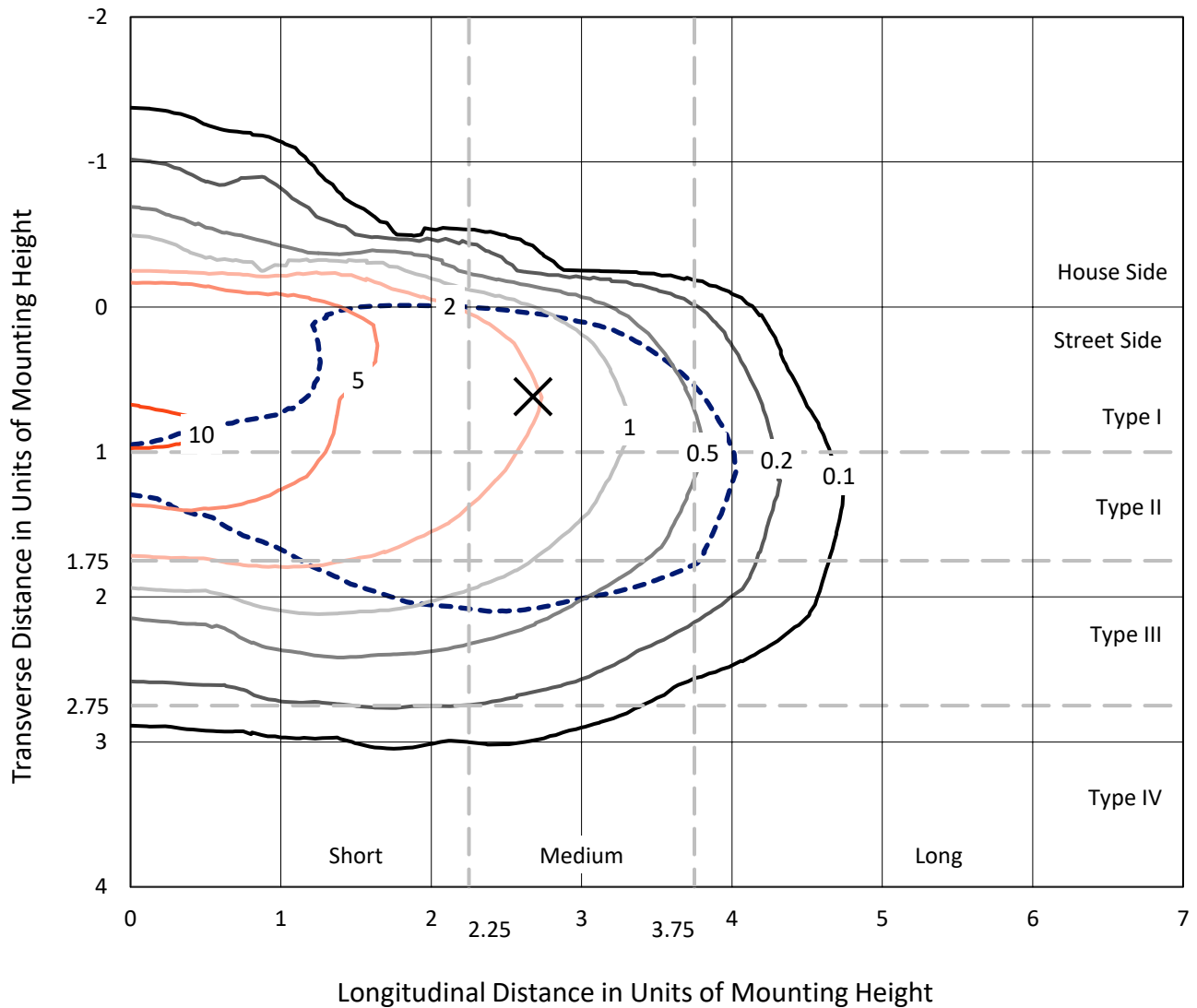
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

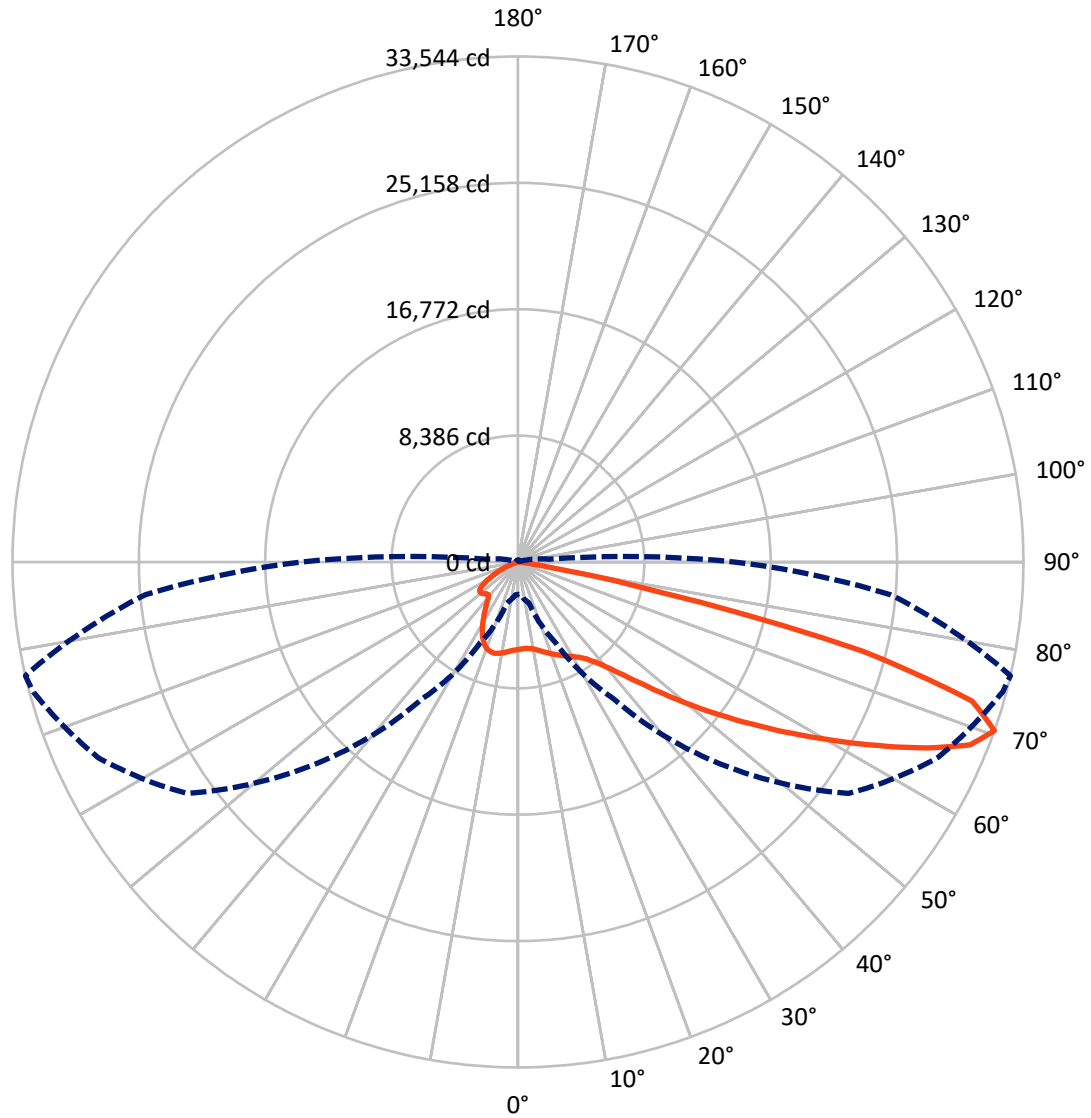
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3924.4	0.0	3924.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	33303.6	0.0	33303.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	37228.0	0.0	37228.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.5	1.3
10°-20°	1188.0	3.2
20°-30°	1837.6	4.9
30°-40°	3334.4	9.0
40°-50°	6294.0	16.9
50°-60°	9094.3	24.4
60°-70°	9680.7	26.0
70°-80°	5130.1	13.8
80°-90°	168.4	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°	37228.0	100.0
0°-180°	37228.0	100.0

Coefficient of Utilization



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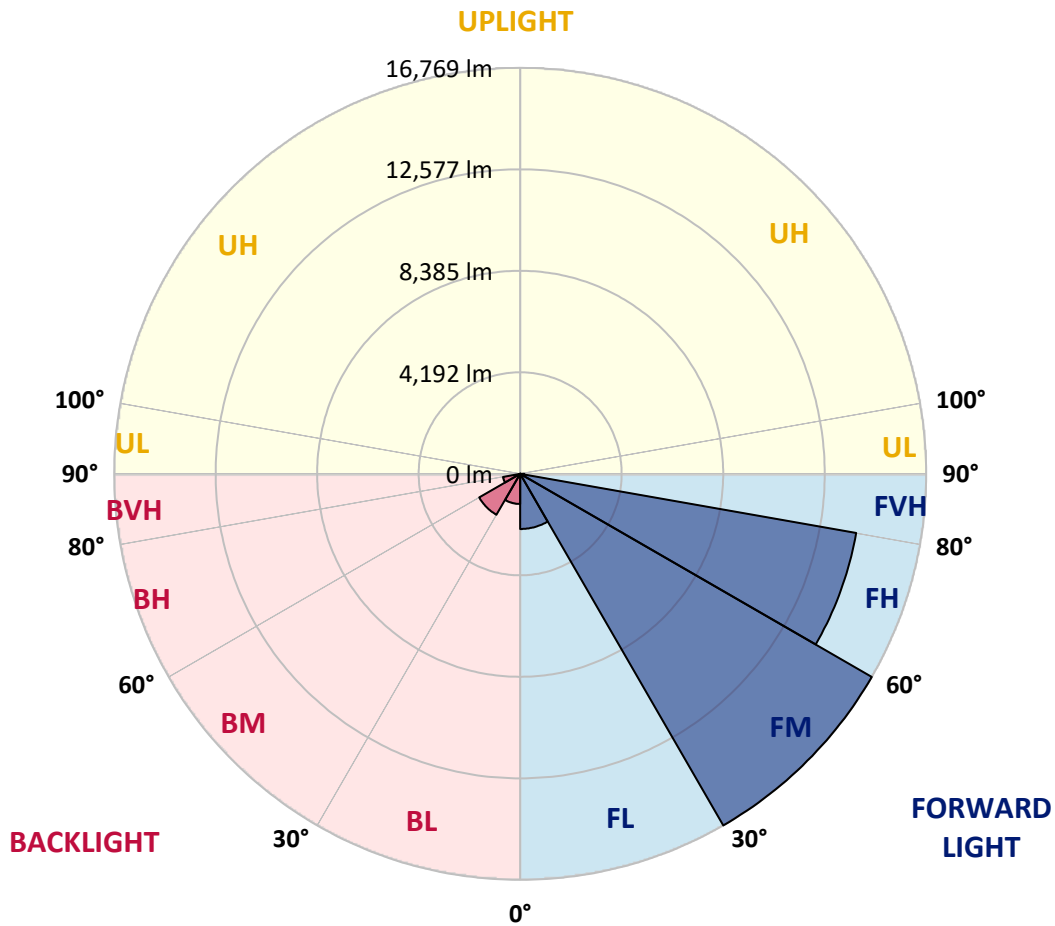
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2279.2	6.1			
FM (30°-60°)	16769.2	45.0			
FH (60°-80°)	14091.3	37.9			G5
FVH (80°-90°)	163.9	0.4			G2/225
BL (0°-30°)	1246.8	3.3	B3/2500		
BM (30°-60°)	1953.6	5.2	B2/2500		
BH (60°-80°)	719.4	1.9	B2/1000		G2/1000
BVH (80°-90°)	4.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9
2.5°	5451.9	5501.3	5494.2	5527.1	5538.9	5585.9	5632.9	5696.4	5766.9	5764.6
5°	5143.9	5193.3	5205.0	5249.7	5306.1	5379.0	5475.4	5602.4	5734.0	5755.2
7.5°	4779.5	4831.2	4861.8	4951.1	5054.6	5205.0	5362.6	5548.3	5766.9	5797.5
10°	4415.1	4462.1	4502.1	4629.1	4793.6	5017.0	5273.2	5541.2	5835.1	5879.8
12.5°	4189.4	4234.1	4278.8	4389.3	4593.8	4866.5	5214.5	5574.1	5948.0	6011.4
15°	4109.5	4149.5	4184.7	4283.5	4473.9	4784.2	5202.7	5642.3	6091.4	6176.0
17.5°	4121.3	4142.4	4165.9	4241.1	4426.9	4746.6	5223.9	5759.9	6260.6	6335.9
20°	4189.4	4201.2	4203.5	4255.3	4419.8	4741.9	5266.2	5872.7	6420.5	6521.6
22.5°	4276.4	4281.1	4276.4	4311.7	4464.5	4777.2	5322.6	6009.1	6599.2	6693.2
25°	4683.1	4593.8	4480.9	4412.8	4539.7	4845.3	5407.2	6192.5	6794.3	6886.0
27.5°	5945.6	5689.3	5285.0	4831.2	4694.9	4944.1	5524.8	6378.2	6991.8	7074.1
30°	7995.6	7659.5	6973.0	5950.3	5193.3	5151.0	5677.6	6563.9	7201.0	7290.4
32.5°	10050.4	9968.1	9175.8	7760.6	6314.7	5611.8	5931.5	6815.5	7478.4	7549.0
35°	12128.7	11961.7	11312.9	9914.0	8042.7	6549.8	6354.7	7144.6	7842.8	7922.8
37.5°	13720.3	13619.2	13217.2	12065.2	10092.7	7998.0	7078.8	7654.8	8371.8	8461.1
40°	15126.1	15079.1	14942.8	14183.4	12384.9	9892.9	8204.9	8444.7	9105.3	9211.1
42.5°	16231.1	16341.6	16419.2	16207.6	14747.6	12055.8	9718.9	9554.3	10128.0	10236.1
45°	17361.9	17399.5	17712.2	18017.8	17093.9	14317.4	11425.7	10854.4	11399.9	11533.9
47.5°	18088.4	18238.8	18789.0	19327.3	19066.4	16560.2	13259.5	12389.6	12873.9	13125.5
50°	18142.4	18426.9	19183.9	20122.0	20502.8	18694.9	15253.1	14138.7	14653.6	14931.0
52.5°	17242.0	17684.0	18857.1	20230.1	21278.6	20502.8	17314.9	15887.9	16548.5	16910.5
55°	13219.5	13797.8	17627.6	19642.4	21309.2	21873.4	19322.6	17709.9	18659.6	19068.7
57.5°	11517.4	11808.9	13859.0	18622.0	20742.6	22425.9	21137.6	19444.9	20956.5	21464.4
60°	9582.6	9965.8	11623.2	16952.8	19973.8	22480.0	22740.9	21683.0	23446.2	24017.5
62.5°	6512.2	6928.3	8576.3	14084.7	18923.0	22454.1	24055.1	23986.9	26213.3	26826.9
65°	4034.3	4295.2	5381.4	11500.9	17453.6	22482.3	25430.4	26784.6	29133.2	29756.2
67.5°	3187.9	3307.8	3874.4	8830.2	14921.6	21847.6	26803.4	29415.3	31881.5	32375.2
70°	2141.7	2214.6	2818.8	5919.7	11101.3	18918.3	26777.5	30736.6	33296.8	33543.6
72.5°	1128.5	1184.9	1648.0	2741.2	6705.0	13447.5	22571.7	29156.7	31888.6	31517.1
75°	564.2	658.3	1109.7	1391.8	2863.5	7499.6	14016.5	22987.8	25099.0	23660.2
77.5°	427.9	517.2	916.9	916.9	996.8	2524.9	5936.2	12537.7	11564.4	9629.6
80°	272.7	352.6	801.7	693.5	416.1	641.8	1546.9	3512.3	2456.8	1869.0
82.5°	159.9	230.4	667.7	458.4	232.7	237.4	437.3	747.6	637.1	496.1
85°	63.5	150.5	458.4	181.0	91.7	58.8	131.7	159.9	131.7	98.7
87.5°	0.0	35.3	79.9	0.0	7.1	4.7	9.4	11.8	11.8	9.4
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°
5806.9	0°	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9	5806.9
5811.6	2.5°	5832.8	5837.5	5851.6	5853.9	5821.0	5778.7	5762.2	5755.2	5727.0	5724.6
5849.2	5°	5903.3	5924.4	5903.3	5842.2	5696.4	5491.9	5336.7	5209.7	5094.6	5059.3
5978.5	7.5°	6044.3	6065.5	6002.0	5762.2	5395.5	4988.8	4622.0	4363.4	4130.7	4043.7
6136.0	10°	6246.5	6274.7	6074.9	5590.6	4941.7	4288.2	3667.5	3230.2	2889.3	2750.6
6350.0	12.5°	6500.4	6512.2	6114.9	5329.6	4351.6	3418.3	2539.0	2071.2	1767.9	1655.1
6608.6	15°	6780.2	6763.7	6119.6	4974.7	3547.6	2416.8	1657.4	1361.2	1239.0	1201.3
6867.2	17.5°	7074.1	7005.9	6025.5	4462.1	2666.0	1652.7	1229.6	1159.0	1137.9	1128.5
7123.4	20°	7363.2	7210.4	5853.9	3792.1	1913.7	1234.3	1116.7	1095.6	1083.8	1079.1
7382.0	22.5°	7626.5	7365.6	5560.0	3013.9	1389.4	1090.9	1055.6	1036.8	1015.6	1006.2
7633.6	25°	7882.8	7454.9	5146.3	2287.5	1112.0	1020.3	992.1	956.8	928.6	916.9
7904.0	27.5°	8132.0	7511.3	4629.1	1692.7	992.1	954.5	902.8	853.4	832.2	827.5
8193.1	30°	8397.7	7530.2	4041.3	1262.5	919.2	872.2	797.0	740.6	728.8	731.2
8583.4	32.5°	8722.1	7558.4	3448.9	1034.4	858.1	773.5	684.1	625.4	616.0	625.4
9152.3	35°	9110.0	7614.8	2877.6	952.1	804.0	672.4	576.0	526.6	517.2	524.3
9881.1	37.5°	9636.6	7706.5	2343.9	935.7	759.4	587.7	484.3	444.3	444.3	446.7
10774.5	40°	10337.2	7951.0	1866.7	923.9	735.9	524.3	409.1	392.6	399.7	404.4
11912.4	42.5°	11190.6	8470.5	1544.6	909.8	710.0	496.1	371.5	364.4	376.2	380.9
13275.9	45°	12147.5	9128.8	1431.7	886.3	686.5	514.9	355.0	345.6	359.7	362.0
14804.1	47.5°	13137.2	9773.0	1417.6	860.5	663.0	543.1	350.3	329.1	345.6	347.9
16435.6	50°	14138.7	10193.8	1431.7	820.5	625.4	543.1	352.6	312.7	326.8	333.8
18128.3	52.5°	15147.3	10386.6	1422.3	733.5	559.5	510.2	352.6	298.6	312.7	317.4
19957.4	55°	16125.3	10349.0	1278.9	604.2	474.9	451.4	343.2	286.8	296.2	298.6
21685.3	57.5°	16898.8	9824.7	1013.3	470.2	385.6	376.2	312.7	272.7	279.8	277.4
23269.9	60°	17303.1	8672.7	724.1	362.0	303.3	296.2	275.1	253.9	258.6	246.9
24612.3	62.5°	17307.8	7149.3	484.3	286.8	242.1	235.1	235.1	228.0	223.3	199.8
25651.4	65°	16938.7	5459.0	322.1	228.0	195.1	183.4	197.5	195.1	178.7	145.8
25968.8	67.5°	16101.8	3578.2	244.5	178.7	150.5	143.4	157.5	164.6	152.8	122.3
24812.1	70°	14380.9	2083.0	202.2	138.7	112.8	105.8	127.0	141.1	127.0	98.7
21208.1	72.5°	11945.3	1123.8	164.6	103.4	77.6	70.5	101.1	115.2	101.1	72.9
13607.4	75°	7751.1	601.8	127.0	68.2	40.0	44.7	75.2	84.6	70.5	47.0
3994.3	77.5°	2602.5	265.7	79.9	32.9	18.8	18.8	44.7	51.7	32.9	16.5
726.4	80°	580.7	110.5	32.9	14.1	7.1	7.1	9.4	9.4	4.7	0.0
223.3	82.5°	190.4	44.7	14.1	4.7	0.0	0.0	0.0	0.0	0.0	0.0
56.4	85°	72.9	16.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18.8	87.5°	28.2	2.4	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

<u>180°</u>
5806.9
5729.3
5038.1
4008.4
2691.9
1619.8
1201.3
1126.1
1074.4
1003.9
912.2
822.8
731.2
623.0
521.9
444.3
404.4
380.9
364.4
350.3
336.2
317.4
298.6
277.4
244.5
192.8
141.1
119.9
94.0
70.5
42.3
14.1
0.0
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