

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: P940704

Luminaire Tested: **GALN-SB3D-927-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13571 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

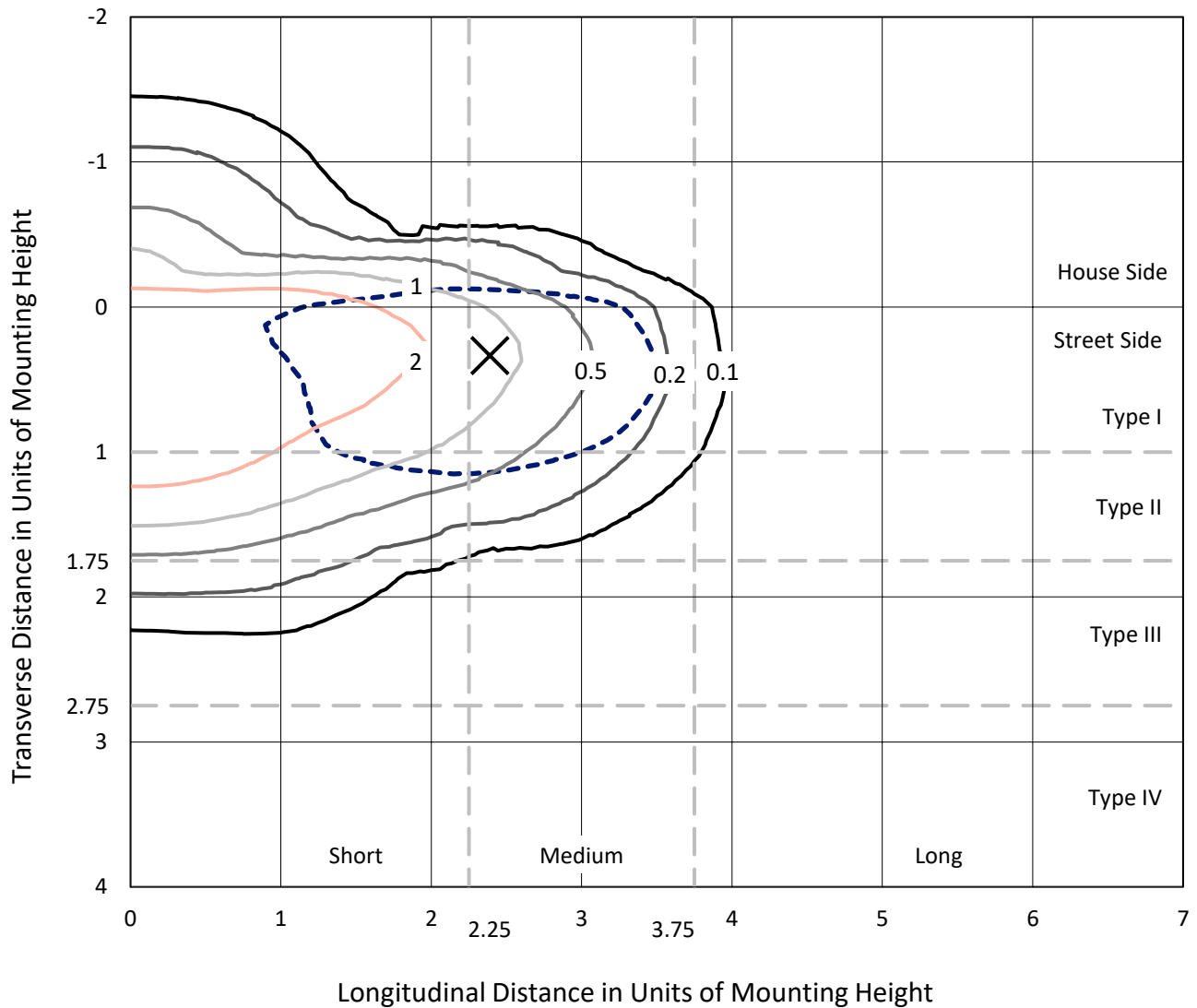
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

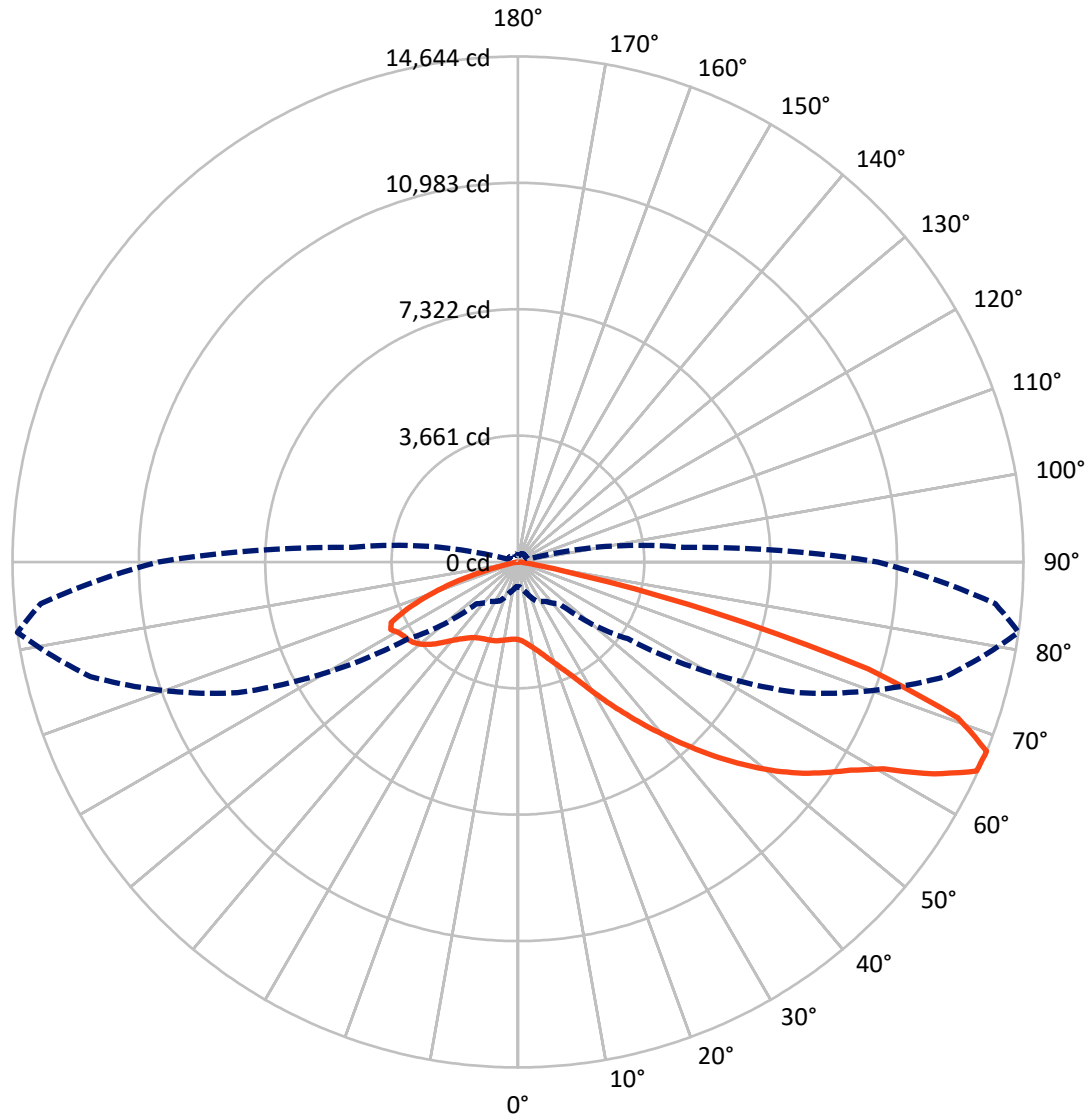
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2458.3	0.0	2458.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11112.7	0.0	11112.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	13571.0	0.0	13571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.3	1.5
10°-20°	520.5	3.8
20°-30°	833.7	6.1
30°-40°	1474.2	10.9
40°-50°	2583.0	19.0
50°-60°	3444.9	25.4
60°-70°	3207.1	23.6
70°-80°	1230.9	9.1
80°-90°	76.4	0.6
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°	13571.0	100.0
0°-180°	13571.0	100.0

Coefficient of Utilization



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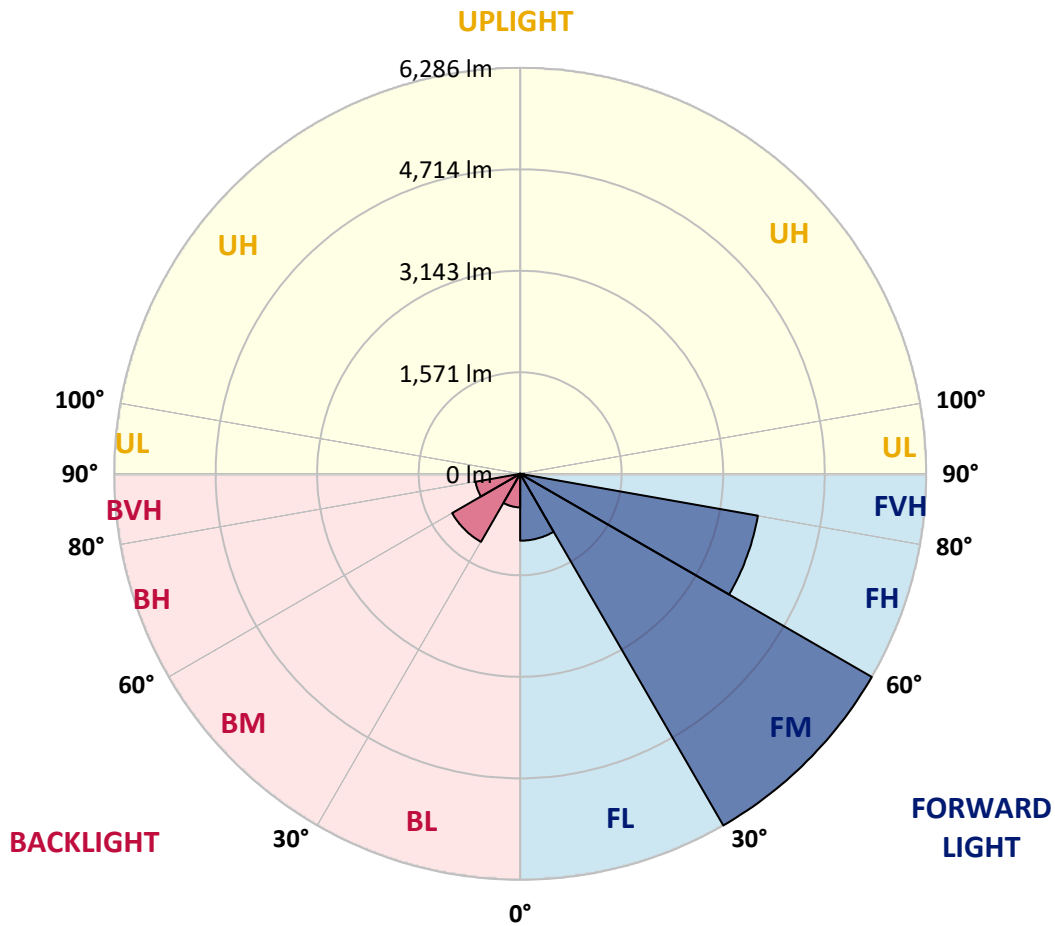
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1035.3	7.6			
FM (30°-60°)	6285.5	46.3			
FH (60°-80°)	3736.3	27.5			G2/5000
FVH (80°-90°)	55.6	0.4			G1/100
BL (0°-30°)	519.2	3.8	B2/1000		
BM (30°-60°)	1216.6	9.0	B2/2500		
BH (60°-80°)	701.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3
2.5°	2376.3	2389.9	2382.1	2378.2	2371.4	2361.6	2353.8	2329.4	2303.9	2287.3
5°	2424.1	2437.8	2436.8	2440.7	2445.6	2448.6	2446.6	2419.2	2383.1	2354.8
7.5°	2383.1	2398.7	2411.4	2431.0	2465.2	2501.3	2518.9	2513.0	2475.9	2436.8
10°	2266.8	2283.4	2313.7	2359.6	2431.9	2510.1	2575.6	2605.9	2582.4	2539.4
12.5°	2053.8	2070.4	2130.0	2229.7	2350.8	2486.7	2611.7	2692.8	2698.7	2655.7
15°	1814.4	1831.0	1894.6	2019.6	2204.3	2422.2	2631.3	2784.7	2836.5	2799.3
17.5°	1665.9	1680.6	1728.5	1829.1	2021.6	2293.2	2624.4	2882.4	3000.6	2971.3
20°	1621.0	1633.7	1656.1	1726.5	1886.7	2159.3	2579.5	2974.2	3177.5	3160.8
22.5°	1668.8	1680.6	1687.4	1718.7	1819.3	2071.4	2522.8	3068.0	3382.6	3384.6
25°	1779.3	1791.0	1783.2	1802.7	1846.7	2044.0	2501.3	3178.4	3640.6	3662.1
27.5°	1961.0	1962.0	1943.4	1942.4	1949.3	2085.1	2523.8	3296.7	3966.0	4006.0
30°	2325.4	2310.8	2239.5	2162.3	2127.1	2208.2	2586.3	3436.4	4349.9	4421.3
32.5°	2887.3	2865.8	2734.8	2550.2	2364.5	2406.5	2698.7	3595.6	4768.1	4897.1
35°	3497.0	3491.1	3354.3	3079.7	2755.4	2688.9	2881.4	3804.7	5224.4	5429.6
37.5°	4063.7	4060.7	3982.6	3659.2	3264.4	3082.7	3174.5	4078.3	5713.0	6010.0
40°	4581.5	4590.3	4512.1	4222.9	3825.3	3587.8	3573.2	4416.4	6256.2	6642.2
42.5°	5029.0	5038.8	4959.6	4745.7	4379.3	4146.7	4062.7	4830.7	6786.8	7321.2
45°	5332.9	5393.5	5381.7	5210.8	4947.9	4706.6	4650.9	5350.5	7391.6	8041.3
47.5°	5418.9	5474.6	5562.5	5586.0	5425.7	5188.3	5254.7	5976.8	8003.2	8762.4
50°	5206.8	5258.6	5441.3	5684.6	5796.0	5722.7	5841.9	6648.0	8629.5	9481.6
52.5°	4788.7	4841.4	5072.0	5457.0	5911.3	6141.9	6431.1	7309.5	9236.3	10162.6
55°	4183.8	4239.5	4535.6	4971.4	5691.5	6314.9	6922.6	7970.0	9792.3	10775.2
57.5°	3361.1	3402.2	3710.0	4319.7	5138.5	6142.9	7285.1	8691.1	10316.0	11377.1
60°	2190.6	2226.8	2584.4	3264.4	4222.0	5568.4	7357.4	9495.2	11011.7	12159.7
62.5°	1456.8	1481.2	1693.3	2192.6	2973.2	4465.2	6934.3	10137.2	12031.7	13521.8
65°	999.6	1024.0	1236.0	1583.8	1920.9	2953.7	5717.9	10052.2	12956.0	14603.4
67.5°	713.3	733.8	913.6	1241.9	1390.4	1715.7	3876.1	8965.7	12823.2	14644.4
70°	511.0	522.7	671.3	967.3	1105.1	1030.8	2155.4	6857.1	11227.6	13522.8
72.5°	357.6	361.5	466.1	736.7	890.1	752.3	1025.9	4571.7	8491.8	10614.0
75°	242.3	247.2	313.6	540.3	714.2	574.5	543.3	2451.5	4985.0	5875.2
77.5°	148.5	150.5	202.3	369.3	534.5	437.7	349.8	1038.6	1928.8	1893.6
80°	84.0	84.0	129.0	229.6	364.4	282.4	245.2	441.6	610.7	536.4
82.5°	46.9	47.9	93.8	142.7	241.3	167.1	134.8	204.2	263.8	233.5
85°	19.5	21.5	57.6	67.4	115.3	83.1	54.7	86.0	97.7	87.0
87.5°	2.0	2.9	17.6	12.7	13.7	16.6	7.8	16.6	13.7	13.7
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°
2248.3	0°	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3	2248.3
2281.5	2.5°	2262.9	2248.3	2211.1	2168.1	2111.5	2084.1	2047.0	2021.6	2000.1	2002.0
2338.1	5°	2306.9	2269.8	2186.7	2083.1	1954.2	1862.3	1764.6	1697.2	1642.5	1630.7
2416.3	7.5°	2367.5	2308.8	2163.2	1976.6	1758.7	1593.6	1446.1	1351.3	1283.9	1262.4
2511.1	10°	2445.6	2360.6	2133.0	1842.8	1529.1	1319.1	1160.8	1086.5	1040.6	1025.0
2622.5	12.5°	2536.5	2420.2	2092.9	1679.6	1292.7	1090.4	989.8	952.7	938.0	933.1
2759.3	15°	2650.8	2494.5	2032.3	1486.1	1092.4	950.7	907.7	902.8	904.8	902.8
2923.4	17.5°	2786.6	2575.6	1933.6	1286.8	957.5	879.4	863.7	867.6	872.5	871.6
3107.1	20°	2935.1	2655.7	1807.6	1110.0	865.7	828.6	819.8	823.7	827.6	825.6
3319.1	22.5°	3104.2	2741.7	1667.9	972.2	804.1	781.7	771.9	772.9	772.9	769.0
3587.8	25°	3306.4	2836.5	1521.3	874.5	757.2	739.6	727.9	724.0	718.2	706.4
3914.2	27.5°	3547.8	2937.1	1380.6	806.1	720.1	703.5	689.8	680.0	665.4	645.8
4306.0	30°	3819.4	3059.2	1261.4	763.1	690.8	674.2	658.6	643.9	622.4	598.0
4756.4	32.5°	4138.9	3190.2	1174.4	734.8	664.4	646.8	628.3	610.7	587.2	562.8
5262.5	35°	4520.0	3348.4	1123.6	715.2	643.9	620.4	599.9	580.4	562.8	541.3
5812.6	37.5°	4933.3	3516.5	1108.0	705.4	630.2	594.1	570.6	556.9	555.0	542.3
6407.7	40°	5385.7	3715.8	1119.7	699.6	615.6	568.7	543.3	540.3	545.2	522.7
7043.8	42.5°	5864.4	3952.3	1139.3	692.7	595.0	543.3	518.8	518.8	514.9	483.7
7716.0	45°	6382.3	4224.9	1158.8	676.1	570.6	517.9	499.3	492.4	475.8	445.5
8392.1	47.5°	6904.0	4502.4	1173.5	645.8	541.3	496.4	479.7	464.1	439.7	412.3
9055.6	50°	7399.4	4751.5	1157.8	600.9	508.1	475.8	458.2	436.8	410.4	391.8
9683.8	52.5°	7842.0	4967.5	1091.4	548.1	472.9	454.3	438.7	416.2	394.7	375.2
10250.5	55°	8227.0	5142.4	974.1	498.3	441.6	435.8	420.1	391.8	362.5	345.9
10812.3	57.5°	8596.3	5275.2	827.6	457.3	413.3	415.3	391.8	366.4	339.0	321.5
11569.6	60°	9087.8	5453.1	679.1	419.2	383.0	388.9	363.5	344.9	310.7	288.2
12868.1	62.5°	9873.4	5729.6	539.3	372.3	347.8	349.8	339.0	316.6	275.5	249.2
13830.5	65°	10496.7	5628.0	425.0	321.5	307.8	310.7	310.7	286.3	242.3	212.0
13882.3	67.5°	10426.4	4818.9	339.0	271.6	269.7	271.6	278.5	257.9	215.0	190.5
12825.1	70°	9604.7	3833.1	271.6	225.7	234.5	229.6	249.2	235.5	193.5	169.0
9942.7	72.5°	7837.1	2761.2	207.1	186.6	179.8	187.6	224.7	212.0	161.2	133.9
5266.4	75°	4579.6	1473.4	154.4	147.5	130.0	156.3	199.3	180.8	123.1	98.7
1614.1	77.5°	1491.0	513.9	113.3	108.5	96.7	126.0	170.0	152.4	100.6	78.2
472.9	80°	399.6	155.4	77.2	71.3	62.5	93.8	134.8	121.2	72.3	50.8
203.2	82.5°	160.2	65.5	44.9	40.1	34.2	64.5	106.5	97.7	53.7	32.2
63.5	85°	51.8	21.5	16.6	12.7	15.6	40.1	63.5	66.4	38.1	16.6
9.8	87.5°	6.8	2.9	2.9	3.9	2.9	6.8	19.5	18.6	10.7	2.0
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°
2248.3
1982.5
1604.4
1240.9
1013.2
930.2
901.8
869.6
824.7
767.0
704.5
643.9
596.0
563.8
539.3
541.3
523.7
483.7
444.6
411.3
388.9
373.2
343.9
319.5
285.3
247.2
209.1
186.6
166.1
130.9
95.8
75.2
49.8
32.2
12.7
0.0
0.0

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