

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: P943124

Luminaire Tested: **GALN-SB7B-950-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943124
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-SB7B-950-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 450mA 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: 20343 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

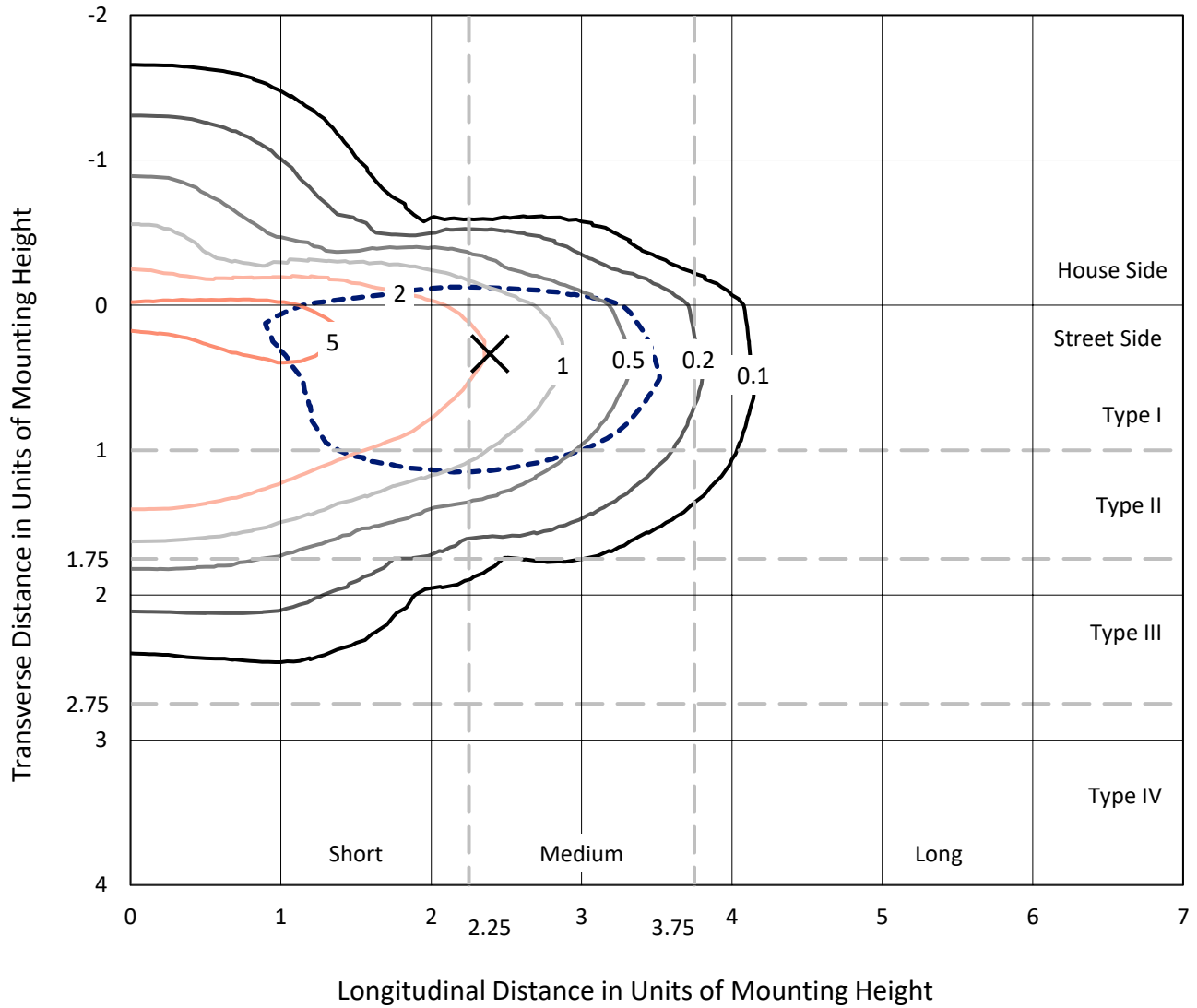
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

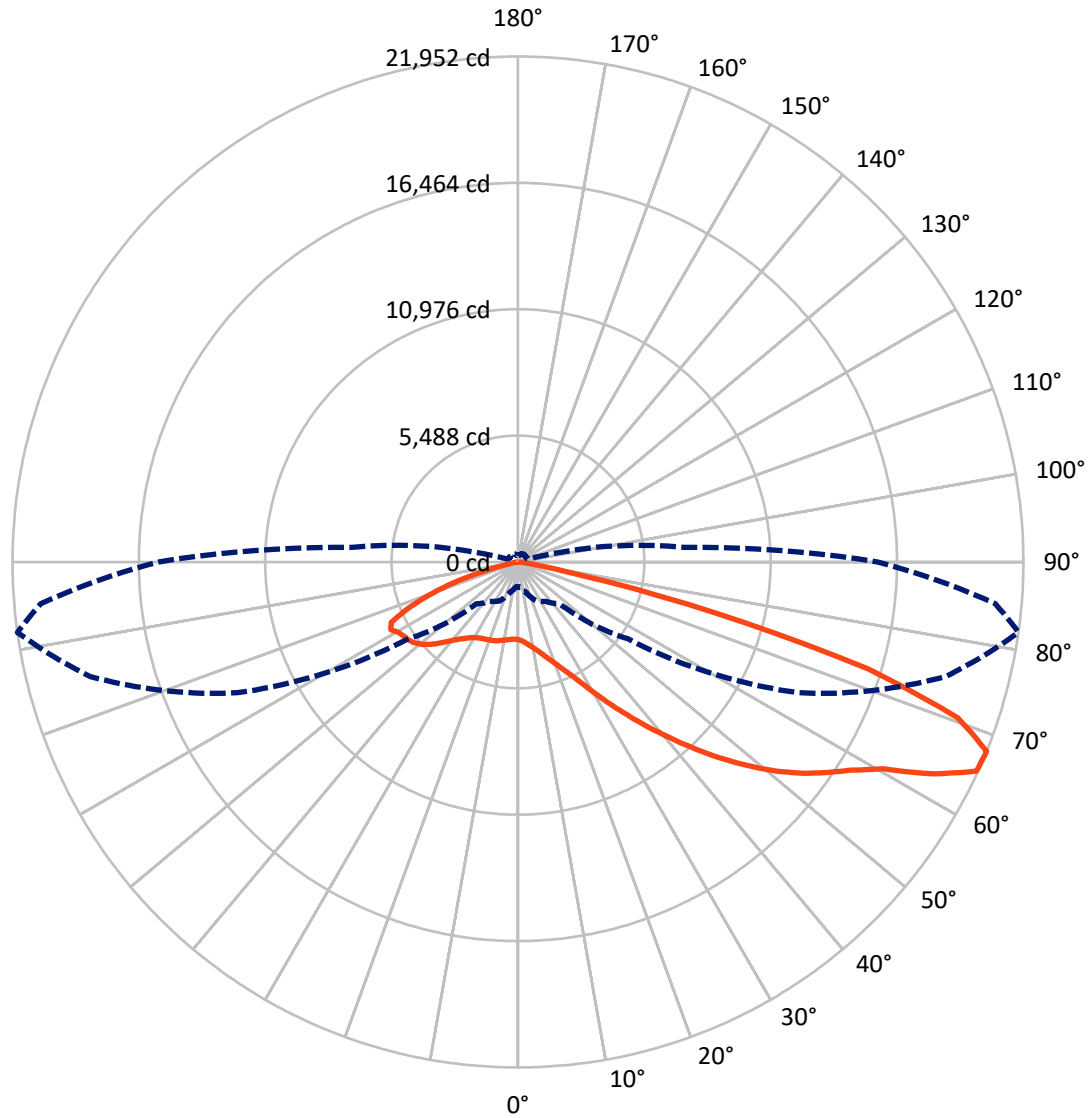
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3685.0	0.0	3685.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	16658.0	0.0	16658.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	20343.0	0.0	20343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	1.5
10°-20°	780.2	3.8
20°-30°	1249.7	6.1
30°-40°	2209.8	10.9
40°-50°	3871.9	19.0
50°-60°	5164.0	25.4
60°-70°	4807.4	23.6
70°-80°	1845.1	9.1
80°-90°	114.6	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°	20343.0	100.0
0°-180°	20343.0	100.0

Coefficient of Utilization



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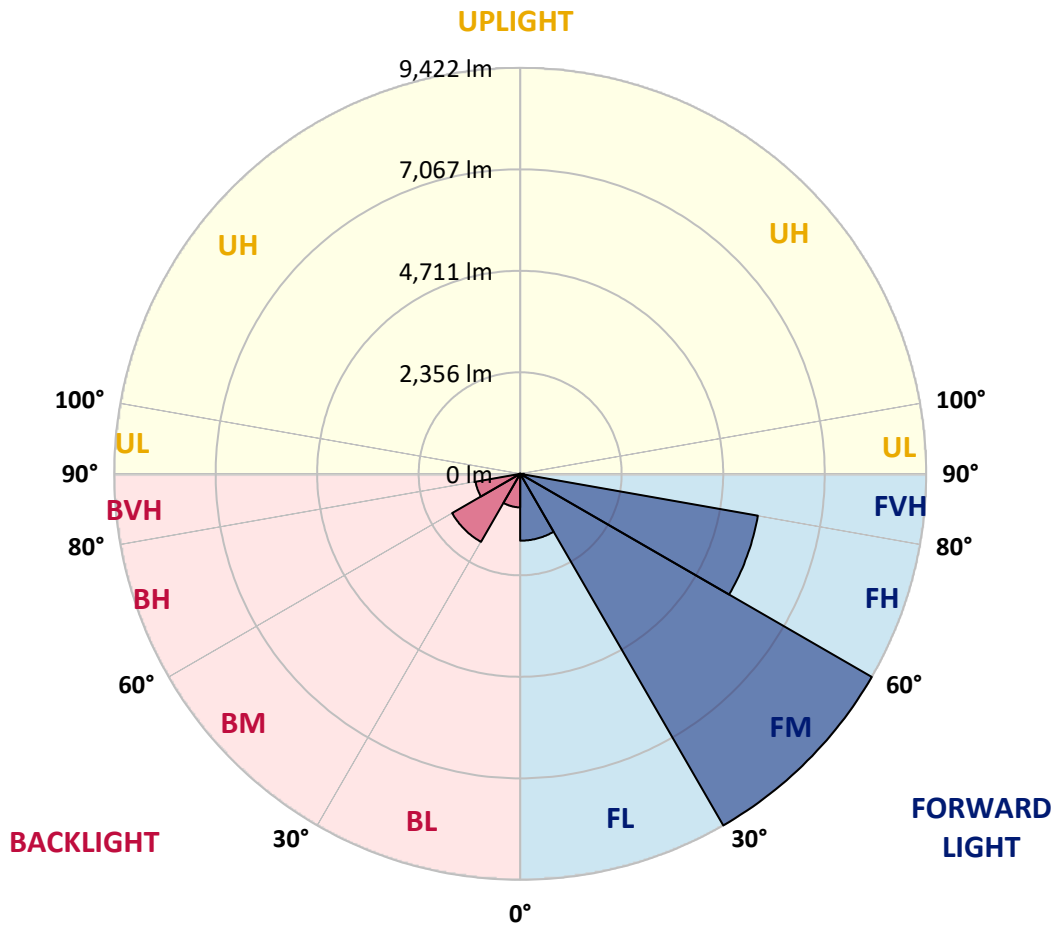
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1551.9	7.6			
FM (30°-60°)	9422.0	46.3			
FH (60°-80°)	5600.7	27.5			G3/7500
FVH (80°-90°)	83.3	0.4			G1/100
BL (0°-30°)	778.3	3.8	B2/1000		
BM (30°-60°)	1823.7	9.0	B2/2500		
BH (60°-80°)	1051.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	31.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1
2.5°	3562.0	3582.5	3570.8	3564.9	3554.7	3540.0	3528.3	3491.7	3453.6	3428.7
5°	3633.8	3654.3	3652.8	3658.7	3666.0	3670.4	3667.5	3626.5	3572.3	3529.8
7.5°	3572.3	3595.7	3614.7	3644.0	3695.3	3749.5	3775.9	3767.1	3711.4	3652.8
10°	3398.0	3422.9	3468.3	3537.1	3645.5	3762.7	3860.8	3906.2	3871.1	3806.6
12.5°	3078.7	3103.6	3192.9	3342.3	3523.9	3727.5	3915.0	4036.6	4045.3	3980.9
15°	2719.8	2744.7	2839.9	3027.4	3304.2	3630.9	3944.3	4174.2	4251.9	4196.2
17.5°	2497.2	2519.2	2591.0	2741.8	3030.3	3437.5	3934.0	4320.7	4497.9	4454.0
20°	2429.8	2448.9	2482.6	2588.0	2828.2	3236.9	3866.7	4458.4	4763.0	4738.1
22.5°	2501.6	2519.2	2529.4	2576.3	2727.2	3105.0	3781.7	4599.0	5070.6	5073.5
25°	2667.1	2684.7	2673.0	2702.3	2768.2	3064.0	3749.5	4764.5	5457.3	5489.5
27.5°	2939.5	2941.0	2913.2	2911.7	2922.0	3125.6	3783.2	4941.7	5945.0	6005.0
30°	3485.9	3463.9	3357.0	3241.3	3188.5	3310.1	3876.9	5151.2	6520.6	6627.5
32.5°	4328.0	4295.8	4099.5	3822.7	3544.4	3607.4	4045.3	5389.9	7147.5	7340.8
35°	5242.0	5233.2	5028.1	4616.6	4130.3	4030.7	4319.2	5703.3	7831.5	8139.0
37.5°	6091.5	6087.1	5969.9	5485.1	4893.4	4621.0	4758.6	6113.4	8563.8	9009.0
40°	6867.7	6880.9	6763.7	6330.2	5734.1	5378.2	5356.2	6620.2	9378.1	9956.7
42.5°	7538.5	7553.2	7434.5	7113.8	6564.5	6216.0	6090.0	7241.2	10173.4	10974.6
45°	7994.0	8084.8	8067.3	7810.9	7417.0	7055.2	6971.7	8020.4	11080.0	12054.0
47.5°	8122.9	8206.4	8338.2	8373.4	8133.2	7777.3	7876.9	8959.2	11996.9	13134.9
50°	7805.1	7882.7	8156.6	8521.3	8688.3	8578.4	8757.1	9965.4	12935.7	14212.9
52.5°	7178.2	7257.3	7603.0	8180.0	8861.1	9206.8	9640.3	10957.0	13845.3	15233.8
55°	6271.6	6355.1	6798.9	7452.1	8531.6	9466.0	10377.0	11947.1	14678.7	16152.1
57.5°	5038.4	5099.9	5561.3	6475.2	7702.6	9208.2	10920.4	13028.0	15463.7	17054.3
60°	3283.7	3337.9	3874.0	4893.4	6328.7	8347.0	11028.8	14233.4	16506.5	18227.5
62.5°	2183.8	2220.4	2538.2	3286.7	4456.9	6693.4	10394.6	15195.7	18035.6	20269.2
65°	1498.3	1534.9	1852.8	2374.2	2879.5	4427.6	8571.1	15068.3	19421.2	21890.6
67.5°	1069.2	1099.9	1369.4	1861.6	2084.2	2571.9	5810.2	13439.6	19222.0	21952.1
70°	766.0	783.6	1006.2	1450.0	1656.5	1545.2	3231.0	10278.9	16830.2	20270.7
72.5°	536.1	541.9	698.6	1104.3	1334.3	1127.8	1537.9	6853.1	12729.2	15910.4
75°	363.2	370.6	470.2	809.9	1070.7	861.2	814.3	3674.8	7472.6	8806.9
77.5°	222.6	225.6	303.2	553.6	801.2	656.2	524.3	1556.9	2891.2	2838.5
80°	126.0	126.0	193.3	344.2	546.3	423.3	367.6	662.0	915.4	804.1
82.5°	70.3	71.8	140.6	213.8	361.8	250.5	202.1	306.1	395.5	350.1
85°	29.3	32.2	86.4	101.1	172.8	124.5	82.0	128.9	146.5	130.4
87.5°	2.9	4.4	26.4	19.0	20.5	24.9	11.7	24.9	20.5	20.5
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°
3370.1	0°	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1	3370.1
3419.9	2.5°	3392.1	3370.1	3314.5	3250.0	3165.1	3124.1	3068.4	3030.3	2998.1	3001.1
3504.9	5°	3458.0	3402.4	3277.9	3122.6	2929.3	2791.6	2645.1	2544.1	2462.1	2444.5
3622.1	7.5°	3548.8	3461.0	3242.7	2963.0	2636.4	2388.8	2167.7	2025.6	1924.5	1892.3
3764.1	10°	3666.0	3538.6	3197.3	2762.3	2292.2	1977.3	1740.0	1628.7	1559.8	1536.4
3931.1	12.5°	3802.2	3627.9	3137.3	2517.7	1937.7	1634.5	1483.7	1428.0	1406.1	1398.7
4136.2	15°	3973.6	3739.2	3046.5	2227.7	1637.5	1425.1	1360.7	1353.3	1356.3	1353.3
4382.2	17.5°	4177.2	3860.8	2898.5	1928.9	1435.4	1318.2	1294.7	1300.6	1307.9	1306.5
4657.6	20°	4399.8	3980.9	2709.6	1663.8	1297.7	1242.0	1228.8	1234.7	1240.6	1237.6
4975.4	22.5°	4653.2	4109.8	2500.1	1457.3	1205.4	1171.7	1157.1	1158.5	1158.5	1152.7
5378.2	25°	4956.4	4251.9	2280.5	1310.9	1135.1	1108.7	1091.2	1085.3	1076.5	1058.9
5867.4	27.5°	5318.1	4402.7	2069.5	1208.3	1079.4	1054.5	1034.0	1019.4	997.4	968.1
6454.7	30°	5725.3	4585.8	1890.9	1143.9	1035.5	1010.6	987.2	965.2	933.0	896.4
7129.9	32.5°	6204.2	4782.1	1760.5	1101.4	996.0	969.6	941.8	915.4	880.3	843.6
7888.6	35°	6775.4	5019.3	1684.3	1072.1	965.2	930.0	899.3	870.0	843.6	811.4
8713.2	37.5°	7395.0	5271.3	1660.9	1057.5	944.7	890.5	855.4	834.8	831.9	812.9
9605.1	40°	8073.1	5570.0	1678.5	1048.7	922.7	852.4	814.3	809.9	817.3	783.6
10558.6	42.5°	8790.8	5924.5	1707.8	1038.4	892.0	814.3	777.7	777.7	771.9	725.0
11566.3	45°	9567.1	6333.1	1737.1	1013.5	855.4	776.3	748.4	738.2	713.3	667.9
12579.8	47.5°	10349.2	6749.1	1759.0	968.1	811.4	744.0	719.1	695.7	659.1	618.1
13574.3	50°	11091.8	7122.6	1735.6	900.8	761.6	713.3	686.9	654.7	615.2	587.3
14516.1	52.5°	11755.2	7446.3	1636.0	821.7	708.9	681.1	657.6	623.9	591.7	562.4
15365.6	55°	12332.3	7708.4	1460.3	747.0	662.0	653.2	629.8	587.3	543.4	518.5
16207.8	57.5°	12885.9	7907.6	1240.6	685.5	619.5	622.5	587.3	549.2	508.2	481.9
17342.9	60°	13622.7	8174.2	1017.9	628.3	574.1	582.9	544.8	517.0	465.8	432.1
19289.4	62.5°	14800.2	8588.7	808.5	558.0	521.4	524.3	508.2	474.5	413.0	373.5
20732.0	65°	15734.7	8436.4	637.1	481.9	461.4	465.8	465.8	429.1	363.2	317.8
20809.7	67.5°	15629.2	7223.6	508.2	407.2	404.2	407.2	417.4	386.7	322.2	285.6
19224.9	70°	14397.5	5745.8	407.2	338.3	351.5	344.2	373.5	353.0	290.0	253.4
14904.2	72.5°	11747.9	4139.1	310.5	279.7	269.5	281.2	336.9	317.8	241.7	200.7
7894.4	75°	6864.8	2208.7	231.4	221.2	194.8	234.3	298.8	271.0	184.5	147.9
2419.6	77.5°	2235.0	770.4	169.9	162.6	145.0	188.9	254.8	228.5	150.9	117.2
708.9	80°	599.0	232.9	115.7	106.9	93.7	140.6	202.1	181.6	108.4	76.2
304.6	82.5°	240.2	98.1	67.4	60.1	51.3	96.7	159.6	146.5	80.6	48.3
95.2	85°	77.6	32.2	24.9	19.0	23.4	60.1	95.2	99.6	57.1	24.9
14.6	87.5°	10.3	4.4	4.4	5.9	4.4	10.3	29.3	27.8	16.1	2.9
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>
3370.1
2971.8
2404.9
1860.1
1518.8
1394.3
1351.9
1303.5
1236.2
1149.7
1056.0
965.2
893.4
845.1
808.5
811.4
785.0
725.0
666.4
616.6
582.9
559.5
515.6
478.9
427.7
370.6
313.4
279.7
249.0
196.3
143.5
112.8
74.7
48.3
19.0
0.0
0.0

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