

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: P943464

Luminaire Tested: **GALN-SB7D-950-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943464  
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-SB7D-950-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

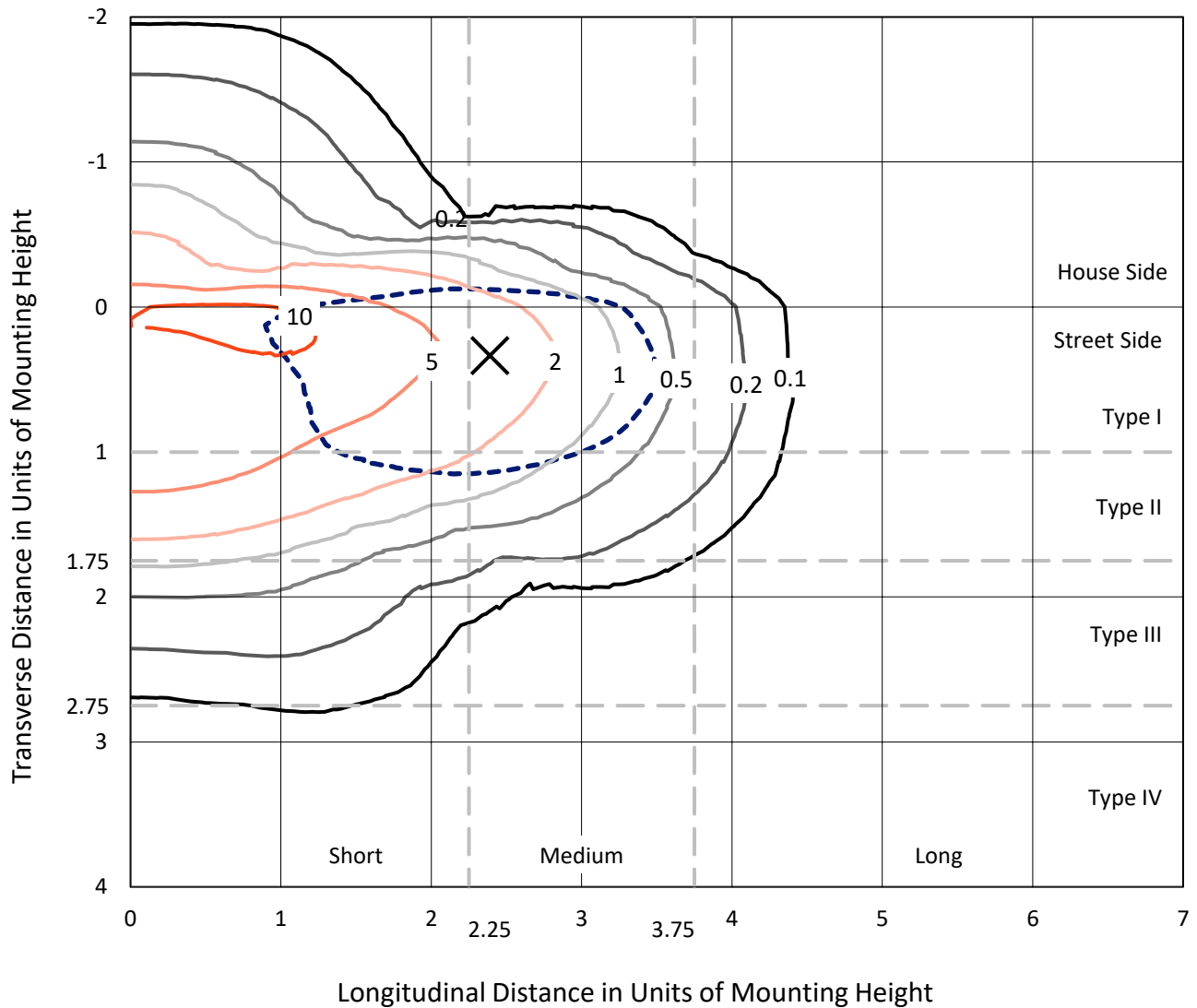
Lumens per Lamp: N/A  
Luminaire Lumens: 36762 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

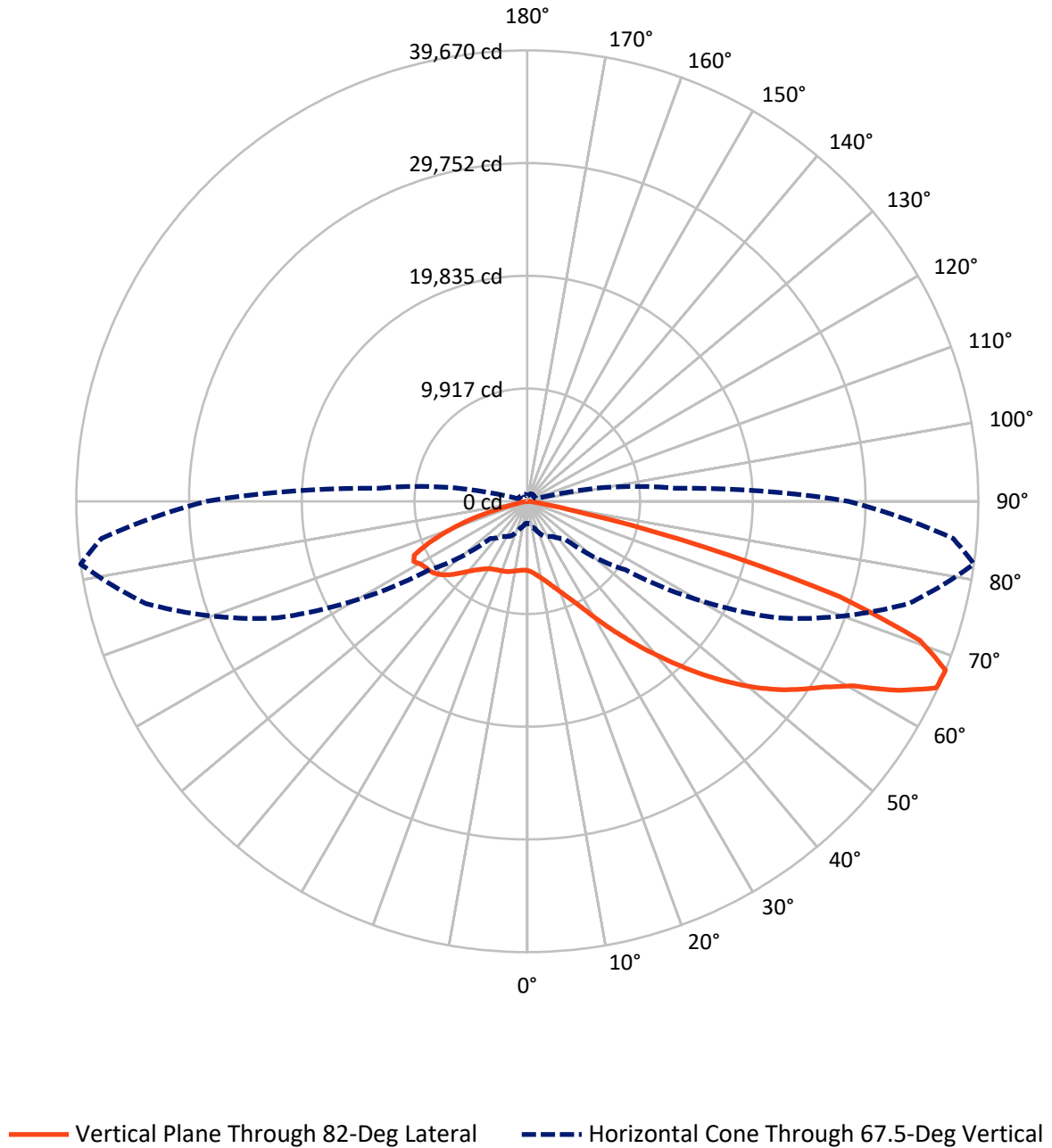
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6659.1	0.0	6659.1
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	30102.9	0.0	30102.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	36762.0	0.0	36762.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	542.6	1.5
10°-20°	1410.0	3.8
20°-30°	2258.3	6.1
30°-40°	3993.4	10.9
40°-50°	6996.9	19.0
50°-60°	9331.9	25.4
60°-70°	8687.5	23.6
70°-80°	3334.3	9.1
80°-90°	207.1	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°	36762.0	100.0
0°-180°	36762.0	100.0

**Coefficient of Utilization**



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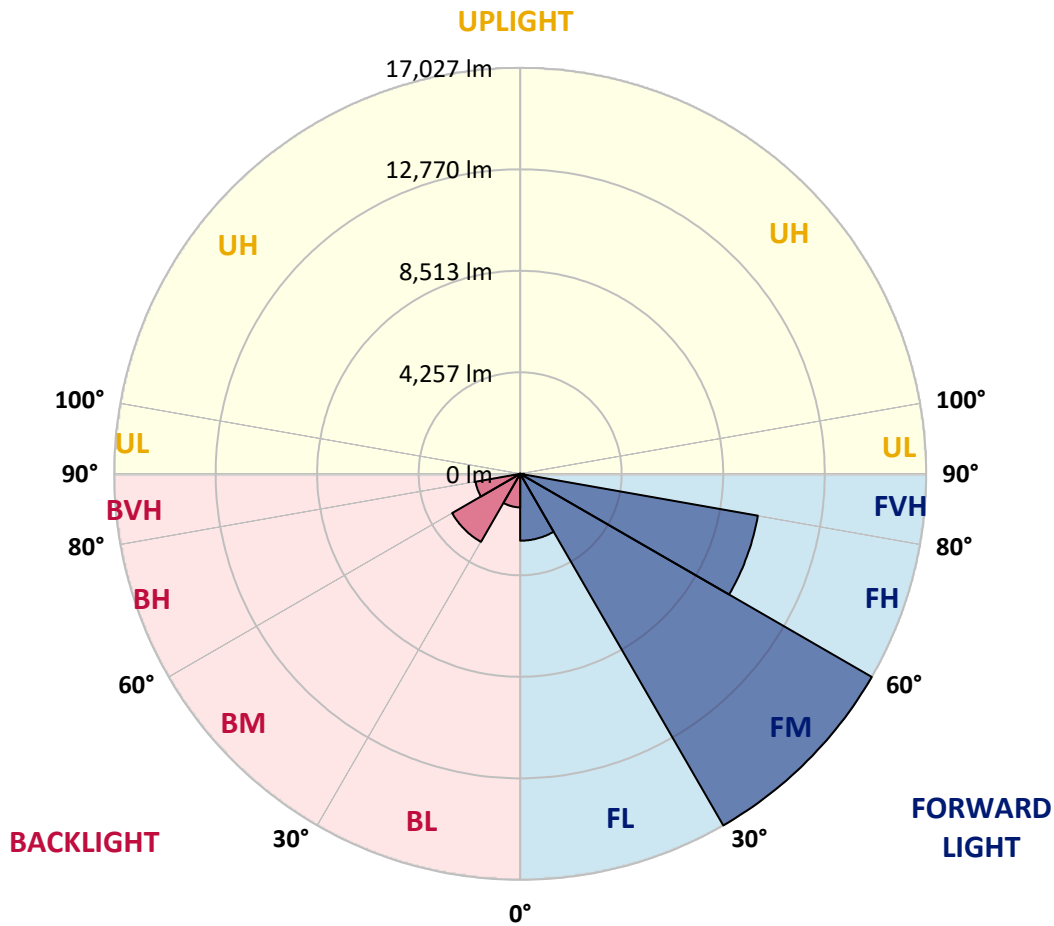
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2804.5	7.6			
FM (30°-60°)	17026.7	46.3			
FH (60°-80°)	10121.1	27.5			G4/12000
FVH (80°-90°)	150.6	0.4			G2/225
BL (0°-30°)	1406.4	3.8	B3/2500		
BM (30°-60°)	3295.6	9.0	B3/5000		
BH (60°-80°)	1900.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	56.5	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-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2
2.5°	6436.9	6474.0	6452.8	6442.2	6423.7	6397.2	6376.1	6309.9	6241.1	6196.1
5°	6566.6	6603.7	6601.0	6611.6	6624.9	6632.8	6627.5	6553.4	6455.5	6378.7
7.5°	6455.5	6497.8	6532.2	6585.2	6677.8	6775.7	6823.4	6807.5	6706.9	6601.0
10°	6140.5	6185.5	6267.6	6392.0	6587.8	6799.6	6976.9	7058.9	6995.4	6879.0
12.5°	5563.5	5608.5	5770.0	6039.9	6368.1	6736.0	7074.8	7294.5	7310.4	7193.9
15°	4915.1	4960.0	5132.1	5470.9	5971.1	6561.3	7127.8	7543.3	7683.6	7583.0
17.5°	4512.7	4552.4	4682.1	4954.8	5476.2	6212.0	7109.2	7808.0	8128.2	8048.8
20°	4391.0	4425.4	4486.3	4676.8	5110.9	5849.4	6987.5	8056.8	8607.3	8562.3
22.5°	4520.7	4552.4	4571.0	4655.7	4928.3	5611.2	6834.0	8310.9	9163.1	9168.4
25°	4819.8	4851.5	4830.4	4883.3	5002.4	5537.0	6775.7	8609.9	9861.9	9920.1
27.5°	5312.1	5314.7	5264.4	5261.8	5280.3	5648.2	6836.6	8930.2	10743.2	10851.8
30°	6299.3	6259.6	6066.4	5857.3	5762.0	5981.7	7006.0	9308.7	11783.4	11976.6
32.5°	7821.2	7763.0	7408.3	6908.1	6405.2	6519.0	7310.4	9740.1	12916.2	13265.6
35°	9472.8	9456.9	9086.4	8342.6	7463.9	7283.9	7805.3	10306.5	14152.3	14708.1
37.5°	11007.9	11000.0	10788.2	9912.2	8842.9	8350.6	8599.4	11047.6	15475.7	16280.3
40°	12410.7	12434.5	12222.8	11439.3	10362.1	9718.9	9679.2	11963.4	16947.3	17992.7
42.5°	13622.9	13649.4	13435.0	12855.4	11862.8	11232.9	11005.3	13085.6	18384.5	19832.3
45°	14446.1	14610.2	14578.4	14115.2	13403.2	12749.5	12598.6	14493.7	20022.8	21782.9
47.5°	14679.0	14829.9	15068.1	15131.6	14697.5	14054.4	14234.3	16190.3	21679.7	23736.2
50°	14104.6	14244.9	14739.9	15398.9	15700.6	15502.1	15825.0	18008.6	23376.3	25684.3
52.5°	12971.8	13114.7	13739.4	14782.2	16013.0	16637.6	17421.0	19800.5	25019.9	27529.1
55°	11333.5	11484.3	12286.3	13466.8	15417.4	17106.1	18752.4	21589.7	26525.9	29188.6
57.5°	9104.9	9216.1	10049.8	11701.4	13919.4	16640.2	19734.3	23543.0	27944.6	30819.0
60°	5934.1	6032.0	7000.7	8842.9	11436.7	15083.9	19930.2	25721.3	29829.1	32939.1
62.5°	3946.3	4012.5	4586.9	5939.4	8054.1	12095.7	18784.1	27460.2	32592.3	36628.7
65°	2707.6	2773.8	3348.2	4290.4	5203.6	8001.2	15488.9	27230.0	35096.2	39558.6
67.5°	1932.1	1987.7	2474.7	3364.0	3766.4	4647.7	10499.7	24286.8	34736.2	39669.8
70°	1384.3	1416.0	1818.3	2620.3	2993.5	2792.3	5838.8	18575.0	30414.0	36631.3
72.5°	968.7	979.3	1262.5	1995.7	2411.2	2038.0	2779.1	12384.2	23003.1	28751.9
75°	656.4	669.6	849.6	1463.7	1934.8	1556.3	1471.6	6640.7	13503.8	15915.0
77.5°	402.3	407.6	547.9	1000.5	1447.8	1185.8	947.5	2813.5	5224.7	5129.4
80°	227.6	227.6	349.4	622.0	987.2	764.9	664.3	1196.3	1654.2	1453.1
82.5°	127.0	129.7	254.1	386.4	653.8	452.6	365.3	553.2	714.6	632.6
85°	52.9	58.2	156.2	182.6	312.3	225.0	148.2	232.9	264.7	235.6
87.5°	5.3	7.9	47.6	34.4	37.1	45.0	21.2	45.0	37.1	37.1
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°
6090.2	0°	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2	6090.2
6180.2	2.5°	6129.9	6090.2	5989.6	5873.2	5719.7	5645.6	5545.0	5476.2	5417.9	5423.2
6333.7	5°	6249.0	6148.4	5923.5	5642.9	5293.5	5044.7	4780.1	4597.4	4449.2	4417.5
6545.5	7.5°	6413.1	6254.3	5860.0	5354.4	4764.2	4316.9	3917.2	3660.5	3477.9	3419.6
6802.2	10°	6624.9	6394.6	5777.9	4991.8	4142.2	3573.1	3144.4	2943.2	2818.8	2776.5
7103.9	12.5°	6871.0	6556.1	5669.4	4549.8	3501.7	2953.8	2681.2	2580.6	2540.9	2527.7
7474.5	15°	7180.7	6757.2	5505.3	4025.7	2959.1	2575.3	2458.8	2445.6	2450.9	2445.6
7919.1	17.5°	7548.6	6976.9	5238.0	3485.8	2593.8	2382.1	2339.7	2350.3	2363.6	2360.9
8416.7	20°	7950.9	7193.9	4896.5	3006.7	2345.0	2244.5	2220.6	2231.2	2241.8	2236.5
8991.1	22.5°	8408.8	7426.8	4518.0	2633.5	2178.3	2117.4	2090.9	2093.6	2093.6	2083.0
9718.9	25°	8956.7	7683.6	4121.0	2368.9	2051.2	2003.6	1971.8	1961.3	1945.4	1913.6
10603.0	27.5°	9610.4	7956.2	3739.9	2183.6	1950.7	1905.7	1868.6	1842.2	1802.5	1749.5
11664.3	30°	10346.2	8287.0	3417.0	2067.1	1871.3	1826.3	1783.9	1744.2	1686.0	1619.8
12884.5	32.5°	11211.7	8641.7	3181.4	1990.4	1799.8	1752.2	1701.9	1654.2	1590.7	1524.5
14255.5	35°	12244.0	9070.5	3043.8	1937.4	1744.2	1680.7	1625.1	1572.2	1524.5	1466.3
15745.6	37.5°	13363.5	9525.7	3001.4	1911.0	1707.2	1609.2	1545.7	1508.7	1503.4	1469.0
17357.5	40°	14589.0	10065.7	3033.2	1895.1	1667.5	1540.4	1471.6	1463.7	1476.9	1416.0
19080.6	42.5°	15885.9	10706.2	3086.1	1876.6	1611.9	1471.6	1405.4	1405.4	1394.8	1310.2
20901.5	45°	17288.7	11444.6	3139.1	1831.6	1545.7	1402.8	1352.5	1334.0	1289.0	1206.9
22733.1	47.5°	18702.1	12196.3	3178.8	1749.5	1466.3	1344.6	1299.6	1257.2	1191.0	1116.9
24530.3	50°	20044.0	12871.2	3136.4	1627.8	1376.3	1289.0	1241.3	1183.1	1111.6	1061.4
26232.1	52.5°	21243.0	13456.2	2956.4	1484.8	1281.0	1230.7	1188.4	1127.5	1069.3	1016.4
27767.3	55°	22285.8	13930.0	2638.8	1349.9	1196.3	1180.5	1138.1	1061.4	982.0	937.0
29289.2	57.5°	23286.3	14289.9	2241.8	1238.7	1119.6	1124.9	1061.4	992.5	918.4	870.8
31340.4	60°	24617.6	14771.6	1839.5	1135.5	1037.5	1053.4	984.6	934.3	841.7	780.8
34858.0	62.5°	26745.6	15520.7	1461.0	1008.4	942.3	947.5	918.4	857.6	746.4	674.9
37465.0	65°	28434.3	15245.4	1151.3	870.8	833.7	841.7	841.7	775.5	656.4	574.3
37605.3	67.5°	28243.7	13053.9	918.4	735.8	730.5	735.8	754.3	698.7	582.3	516.1
34741.5	70°	26017.8	10383.3	735.8	611.4	635.2	622.0	674.9	637.9	524.1	457.9
26933.5	72.5°	21229.7	7479.8	561.1	505.5	487.0	508.2	608.8	574.3	436.7	362.6
14266.1	75°	12405.4	3991.3	418.2	399.7	352.0	423.5	539.9	489.7	333.5	267.3
4372.5	77.5°	4039.0	1392.2	307.0	293.8	262.0	341.4	460.5	412.9	272.6	211.7
1281.0	80°	1082.5	420.8	209.1	193.2	169.4	254.1	365.3	328.2	195.9	137.6
550.5	82.5°	434.1	177.3	121.8	108.5	92.6	174.7	288.5	264.7	145.6	87.3
172.0	85°	140.3	58.2	45.0	34.4	42.3	108.5	172.0	180.0	103.2	45.0
26.5	87.5°	18.5	7.9	7.9	10.6	7.9	18.5	52.9	50.3	29.1	5.3
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>
6090.2
5370.3
4346.0
3361.4
2744.7
2519.7
2443.0
2355.6
2233.9
2077.7
1908.3
1744.2
1614.5
1527.2
1461.0
1466.3
1418.7
1310.2
1204.3
1114.3
1053.4
1011.1
931.7
865.5
772.9
669.6
566.4
505.5
450.0
354.7
259.4
203.8
135.0
87.3
34.4
0.0
0.0

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