

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: P942164

Luminaire Tested: **GALN-SB6A-750-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942164
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-SB6A-750-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA 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: 21015 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

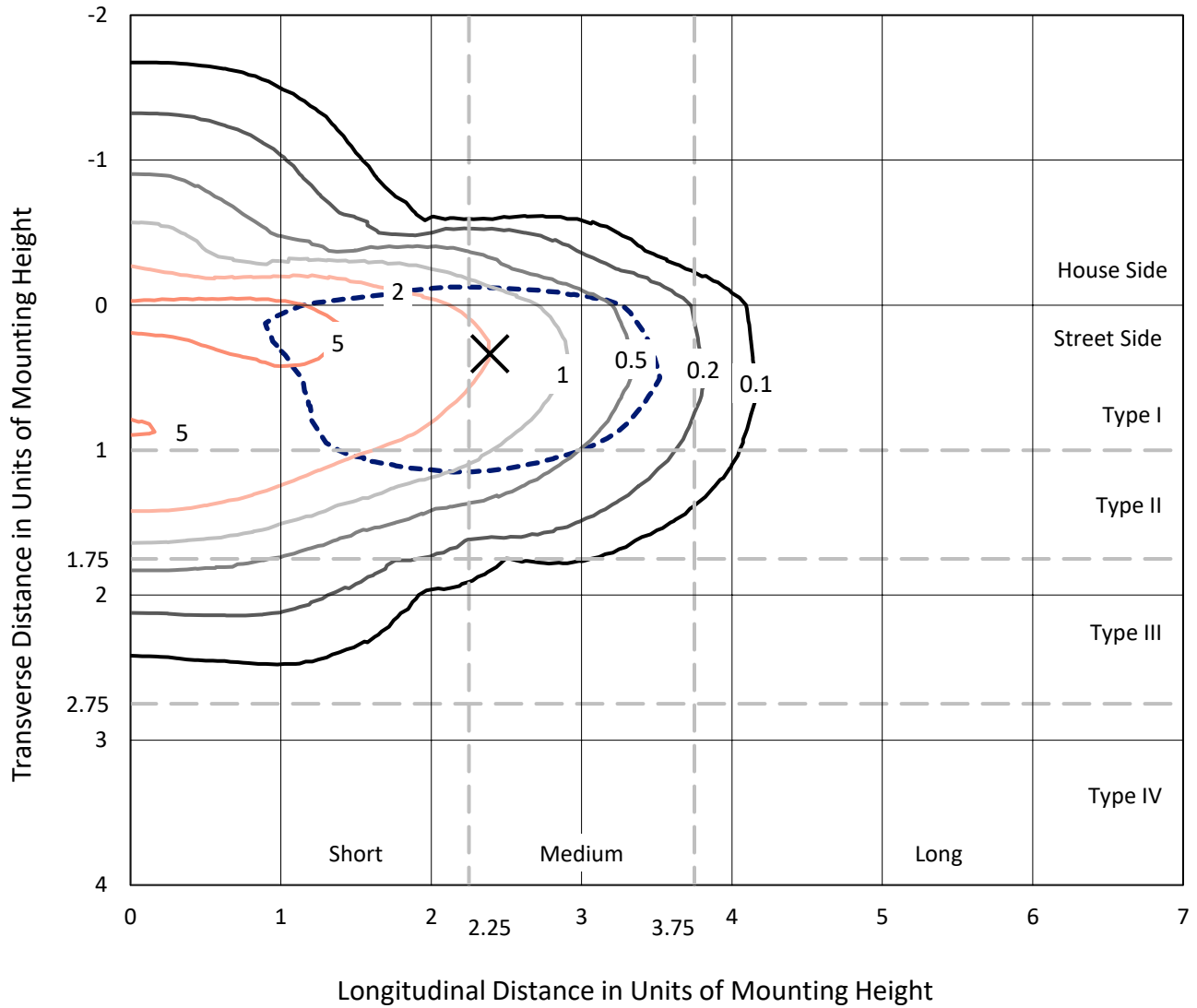
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

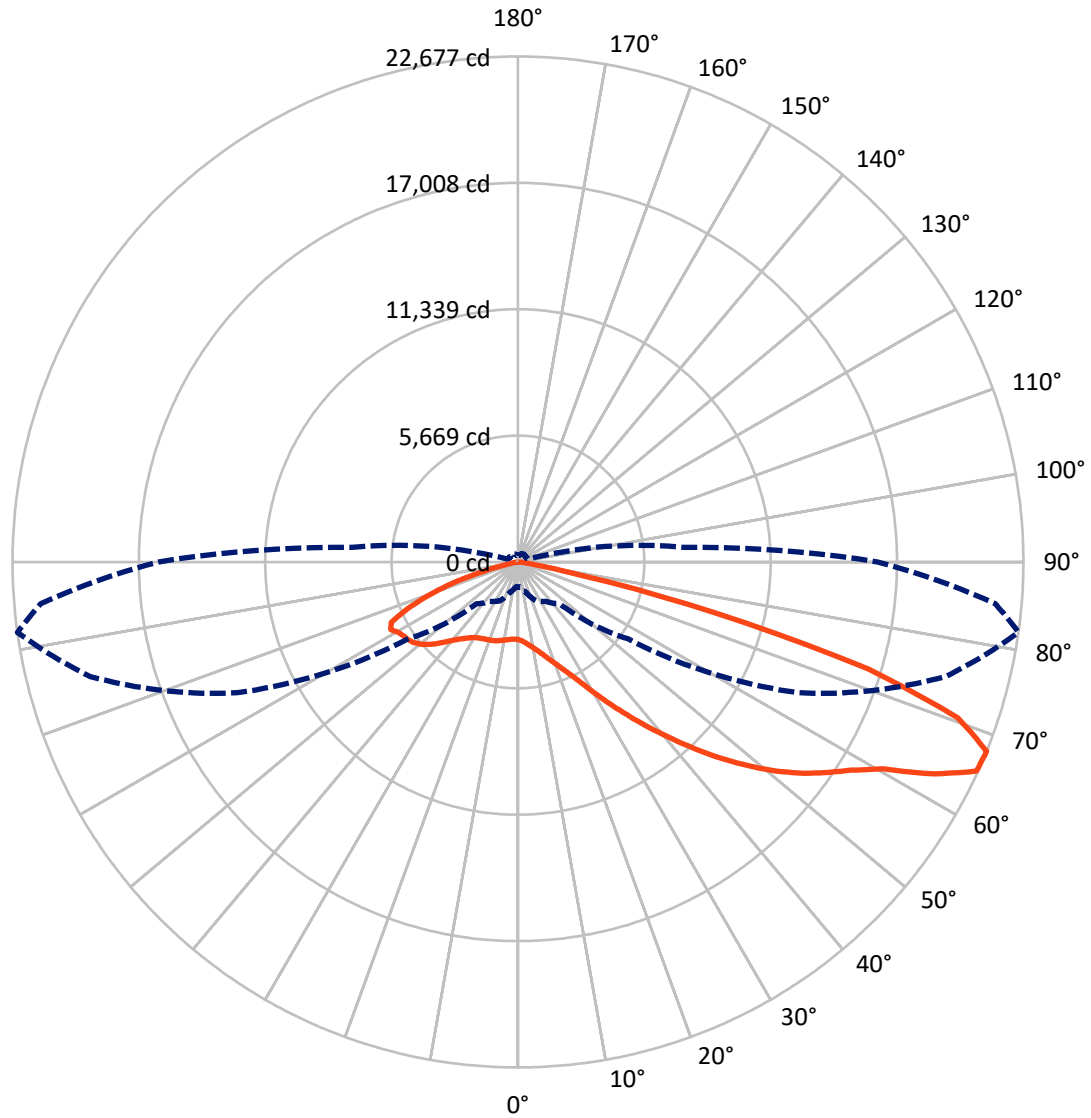
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	3806.7	0.0	3806.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	17208.3	0.0	17208.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	21015.0	0.0	21015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.2	1.5
10°-20°	806.0	3.8
20°-30°	1291.0	6.1
30°-40°	2282.8	10.9
40°-50°	3999.8	19.0
50°-60°	5334.6	25.4
60°-70°	4966.2	23.6
70°-80°	1906.0	9.1
80°-90°	118.4	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°	21015.0	100.0
0°-180°	21015.0	100.0

Coefficient of Utilization



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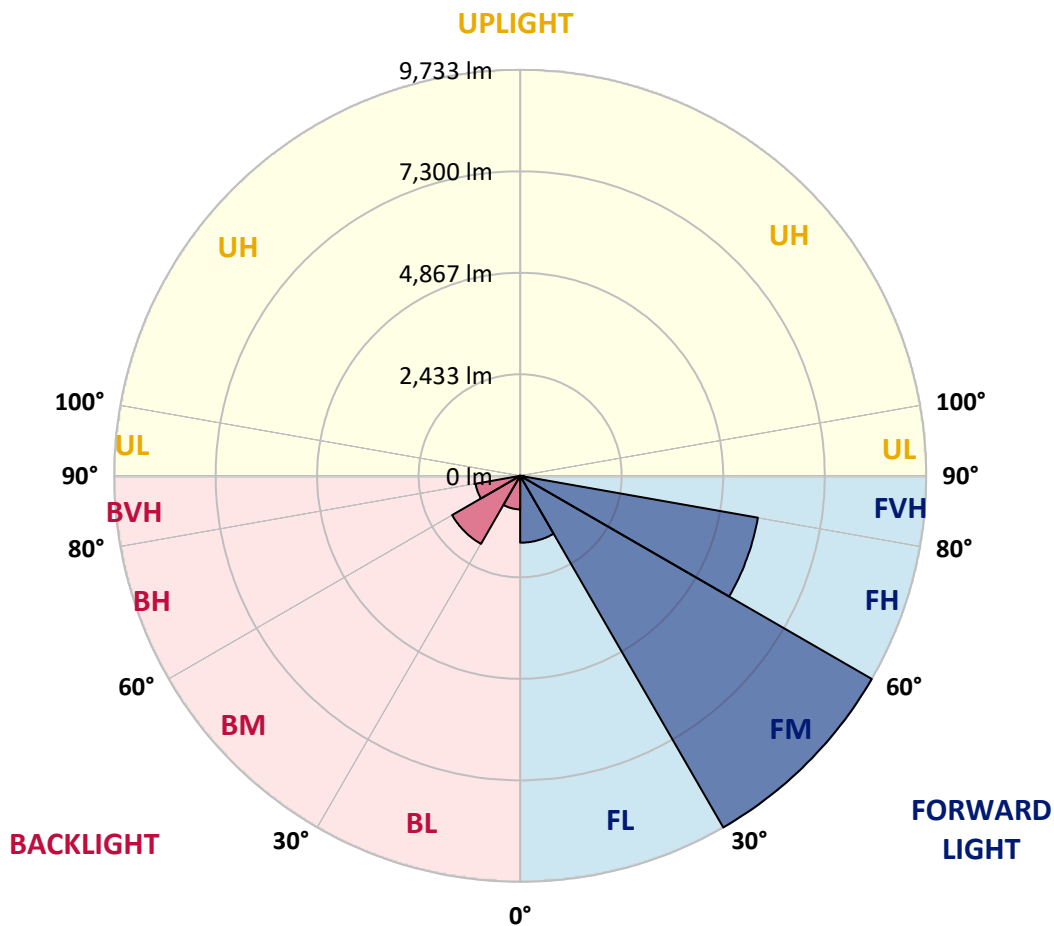
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1603.2	7.6			
FM (30°-60°)	9733.3	46.3			
FH (60°-80°)	5785.7	27.5			G3/7500
FVH (80°-90°)	86.1	0.4			G1/100
BL (0°-30°)	804.0	3.8	B2/1000		
BM (30°-60°)	1883.9	9.0	B2/2500		
BH (60°-80°)	1086.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	32.3	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°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
2.5°	3679.7	3700.9	3688.8	3682.7	3672.1	3657.0	3644.9	3607.1	3567.7	3542.0
5°	3753.8	3775.0	3773.5	3779.5	3787.1	3791.6	3788.6	3746.3	3690.3	3646.4
7.5°	3690.3	3714.5	3734.1	3764.4	3817.4	3873.3	3900.6	3891.5	3834.0	3773.5
10°	3510.2	3535.9	3582.8	3654.0	3765.9	3887.0	3988.3	4035.2	3998.9	3932.4
12.5°	3180.4	3206.1	3298.4	3452.7	3640.3	3850.7	4044.3	4169.9	4179.0	4112.4
15°	2809.7	2835.4	2933.8	3127.4	3413.4	3750.8	4074.6	4312.1	4392.3	4334.8
17.5°	2579.7	2602.4	2676.5	2832.4	3130.5	3551.1	4064.0	4463.4	4646.5	4601.1
20°	2510.1	2529.8	2564.6	2673.5	2921.7	3343.8	3994.4	4605.7	4920.4	4894.6
22.5°	2584.2	2602.4	2613.0	2661.4	2817.3	3207.6	3906.6	4750.9	5238.1	5241.1
25°	2755.2	2773.4	2761.3	2791.5	2859.6	3165.3	3873.3	4921.9	5637.5	5670.8
27.5°	3036.6	3038.2	3009.4	3007.9	3018.5	3228.8	3908.1	5105.0	6141.4	6203.4
30°	3601.0	3578.3	3467.9	3348.3	3293.9	3419.4	4005.0	5321.3	6736.0	6846.4
32.5°	4471.0	4437.7	4235.0	3949.0	3661.5	3726.6	4179.0	5567.9	7383.6	7583.3
35°	5415.1	5406.0	5194.2	4769.1	4266.7	4163.8	4461.9	5891.7	8090.2	8407.9
37.5°	6292.7	6288.1	6167.1	5666.3	5055.0	4773.6	4915.8	6315.4	8846.7	9306.6
40°	7094.6	7108.2	6987.2	6539.3	5923.5	5555.8	5533.1	6838.9	9687.9	10285.6
42.5°	7787.5	7802.7	7680.1	7348.8	6781.4	6421.3	6291.2	7480.4	10509.5	11337.1
45°	8258.1	8351.9	8333.8	8069.0	7662.0	7288.2	7202.0	8285.3	11446.0	12452.2
47.5°	8391.2	8477.5	8613.7	8650.0	8401.8	8034.2	8137.1	9255.2	12393.2	13568.8
50°	8062.9	8143.1	8426.0	8802.8	8975.3	8861.8	9046.4	10294.6	13363.1	14682.4
52.5°	7415.3	7497.0	7854.1	8450.3	9153.8	9510.9	9958.7	11319.0	14302.6	15737.0
55°	6478.8	6565.0	7023.5	7698.3	8813.4	9778.7	10719.8	12341.8	15163.6	16685.7
57.5°	5204.8	5268.4	5745.0	6689.1	7957.0	9512.4	11281.1	13458.4	15974.5	17617.7
60°	3392.2	3448.2	4002.0	5055.0	6537.8	8622.7	11393.1	14703.6	17051.8	18829.6
62.5°	2255.9	2293.7	2622.1	3395.2	4604.1	6914.5	10738.0	15697.7	18631.4	20938.8
65°	1547.8	1585.7	1914.0	2452.6	2974.6	4573.9	8854.2	15566.0	20062.7	22613.7
67.5°	1104.5	1136.3	1414.7	1923.1	2153.0	2656.9	6002.2	13883.5	19857.0	22677.2
70°	791.3	809.5	1039.4	1497.9	1711.2	1596.2	3337.7	10618.4	17386.2	20940.3
72.5°	553.8	559.8	721.7	1140.8	1378.4	1165.0	1588.7	7079.5	13149.7	16436.0
75°	375.2	382.8	485.7	836.7	1106.0	889.7	841.2	3796.2	7719.5	9097.8
77.5°	230.0	233.0	313.2	571.9	827.6	677.8	541.7	1608.3	2986.7	2932.2
80°	130.1	130.1	199.7	355.6	564.4	437.3	379.8	683.9	945.6	830.7
82.5°	72.6	74.1	145.3	220.9	373.7	258.7	208.8	316.2	408.5	361.6
85°	30.3	33.3	89.3	104.4	178.5	128.6	84.7	133.1	151.3	134.7
87.5°	3.0	4.5	27.2	19.7	21.2	25.7	12.1	25.7	21.2	21.2
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°
3481.5	0°	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5	3481.5
3532.9	2.5°	3504.2	3481.5	3424.0	3357.4	3269.7	3227.3	3169.8	3130.5	3097.2	3100.2
3620.7	5°	3572.3	3514.8	3386.2	3225.8	3026.1	2883.8	2732.5	2628.1	2543.4	2525.2
3741.7	7.5°	3666.1	3575.3	3349.8	3060.9	2723.4	2467.7	2239.3	2092.5	1988.1	1954.8
3888.5	10°	3787.1	3655.5	3302.9	2853.6	2367.9	2042.6	1797.5	1682.5	1611.4	1587.2
4061.0	12.5°	3927.8	3747.8	3240.9	2600.9	2001.7	1688.5	1532.7	1475.2	1452.5	1444.9
4272.8	15°	4104.8	3862.8	3147.1	2301.3	1691.6	1472.2	1405.6	1398.0	1401.1	1398.0
4527.0	17.5°	4315.2	3988.3	2994.3	1992.7	1482.8	1361.7	1337.5	1343.6	1351.1	1349.6
4811.4	20°	4545.1	4112.4	2799.1	1718.8	1340.5	1283.0	1269.4	1275.5	1281.5	1278.5
5139.8	22.5°	4806.9	4245.6	2582.7	1505.5	1245.2	1210.4	1195.3	1196.8	1196.8	1190.8
5555.8	25°	5120.1	4392.3	2355.8	1354.2	1172.6	1145.4	1127.2	1121.2	1112.1	1093.9
6061.2	27.5°	5493.8	4548.2	2137.9	1248.2	1115.1	1089.4	1068.2	1053.1	1030.4	1000.1
6667.9	30°	5914.4	4737.3	1953.3	1181.7	1069.7	1044.0	1019.8	997.1	963.8	926.0
7365.4	32.5°	6409.2	4940.0	1818.7	1137.8	1028.9	1001.6	972.9	945.6	909.3	871.5
8149.2	35°	6999.3	5185.1	1740.0	1107.5	997.1	960.8	929.0	898.7	871.5	838.2
9001.0	37.5°	7639.3	5445.4	1715.8	1092.4	975.9	919.9	883.6	862.4	859.4	839.7
9922.4	40°	8339.8	5754.0	1733.9	1083.3	953.2	880.6	841.2	836.7	844.3	809.5
10907.4	42.5°	9081.2	6120.2	1764.2	1072.7	921.4	841.2	803.4	803.4	797.4	748.9
11948.4	45°	9883.1	6542.3	1794.4	1047.0	883.6	801.9	773.2	762.6	736.8	689.9
12995.4	47.5°	10691.0	6972.0	1817.1	1000.1	838.2	768.6	742.9	718.7	680.9	638.5
14022.7	50°	11458.2	7357.8	1792.9	930.5	786.8	736.8	709.6	676.3	635.5	606.7
14995.6	52.5°	12143.6	7692.2	1690.1	848.8	732.3	703.6	679.3	644.5	611.3	581.0
15873.2	55°	12739.7	7963.1	1508.5	771.6	683.9	674.8	650.6	606.7	561.3	535.6
16743.2	57.5°	13311.6	8168.8	1281.5	708.1	640.0	643.0	606.7	567.4	525.0	497.8
17915.7	60°	14072.7	8444.2	1051.6	649.1	593.1	602.2	562.8	534.1	481.1	446.3
19926.6	62.5°	15289.1	8872.4	835.2	576.5	538.6	541.7	525.0	490.2	426.7	385.8
21416.9	65°	16254.4	8715.0	658.2	497.8	476.6	481.1	481.1	443.3	375.2	328.3
21497.1	67.5°	16145.5	7462.2	525.0	420.6	417.6	420.6	431.2	399.4	332.9	295.0
19860.0	70°	14873.1	5935.6	420.6	349.5	363.1	355.6	385.8	364.6	299.6	261.8
15396.6	72.5°	12136.0	4275.8	320.8	289.0	278.4	290.5	348.0	328.3	249.6	207.3
8155.2	75°	7091.6	2281.6	239.1	228.5	201.2	242.1	308.7	279.9	190.6	152.8
2499.5	77.5°	2308.9	795.9	175.5	167.9	149.8	195.2	263.3	236.0	155.8	121.0
732.3	80°	618.8	240.6	119.5	110.5	96.8	145.3	208.8	187.6	112.0	78.7
314.7	82.5°	248.1	101.4	69.6	62.0	53.0	99.9	164.9	151.3	83.2	49.9
98.3	85°	80.2	33.3	25.7	19.7	24.2	62.0	98.3	102.9	59.0	25.7
15.1	87.5°	10.6	4.5	4.5	6.1	4.5	10.6	30.3	28.7	16.6	3.0
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>
3481.5
3069.9
2484.4
1921.5
1569.0
1440.4
1396.5
1346.6
1277.0
1187.7
1090.9
997.1
922.9
873.0
835.2
838.2
811.0
748.9
688.4
637.0
602.2
578.0
532.6
494.8
441.8
382.8
323.8
289.0
257.2
202.7
148.3
116.5
77.2
49.9
19.7
0.0
0.0

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