

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: P942508

Luminaire Tested: **GALN-SB6C-750-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36379 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

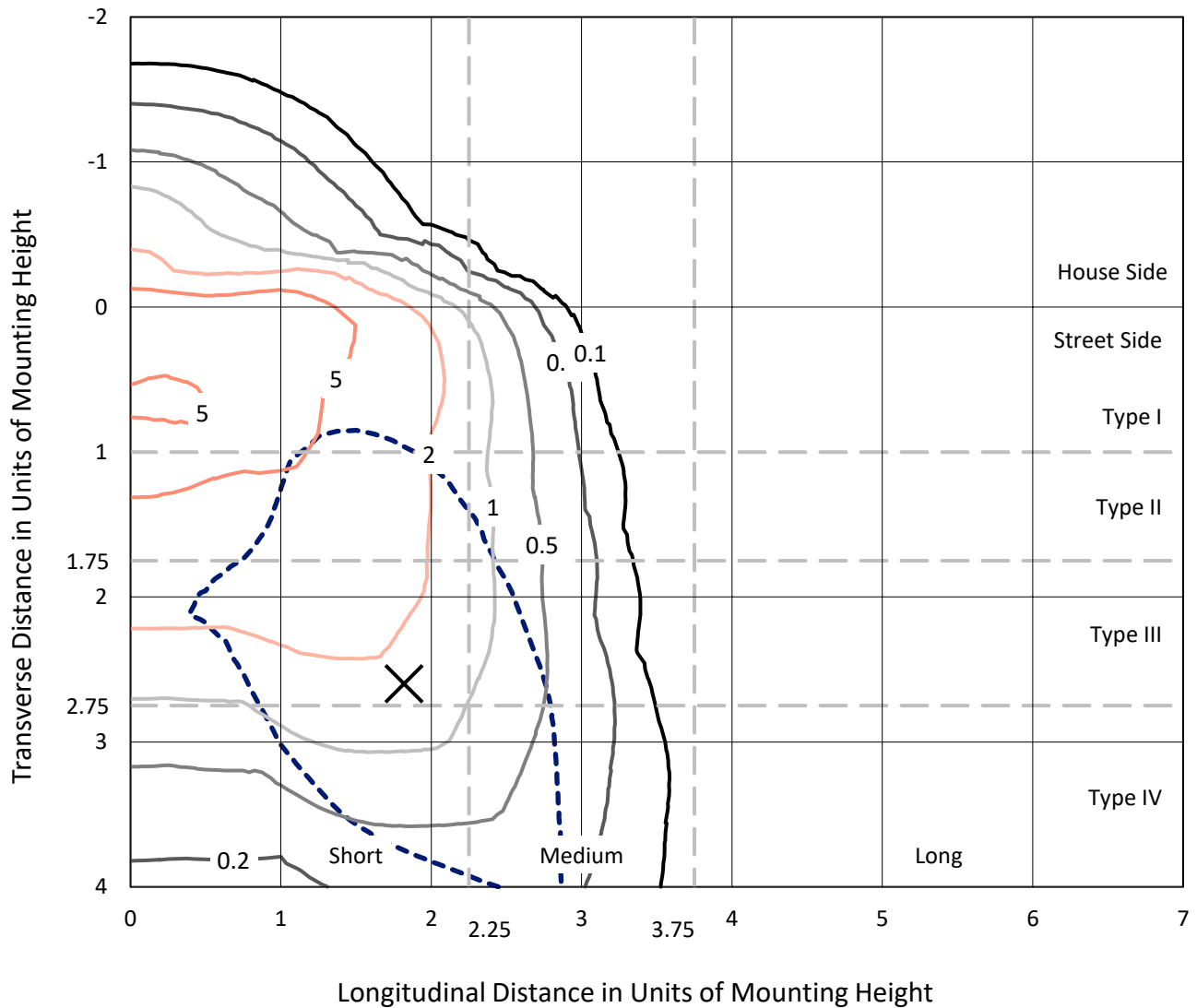
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

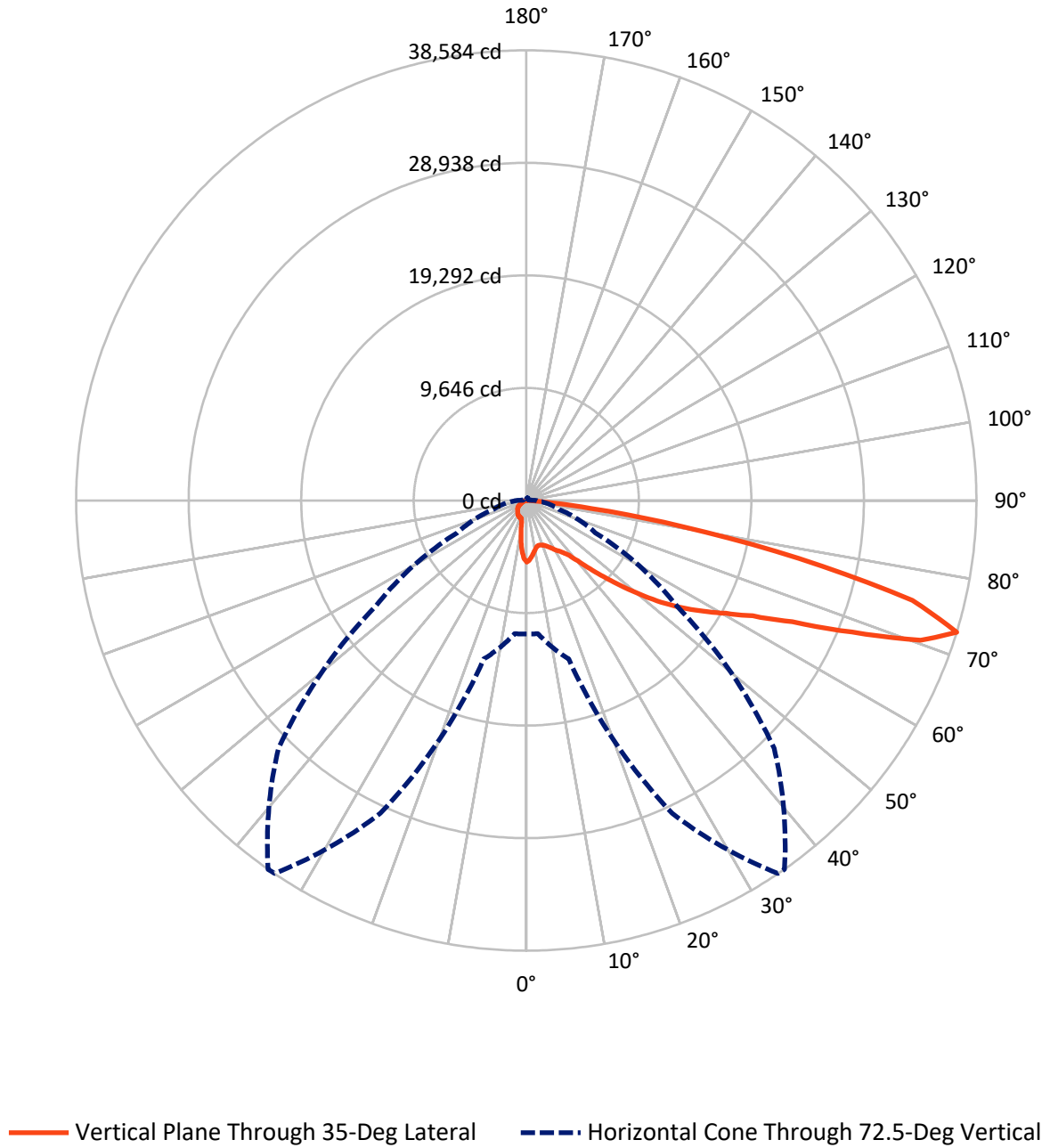
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4094.3	0.0	4094.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	32284.7	0.0	32284.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	36379.0	0.0	36379.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.3	1.2
10°-20°	1013.6	2.8
20°-30°	1646.5	4.5
30°-40°	2747.2	7.6
40°-50°	5197.7	14.3
50°-60°	8259.2	22.7
60°-70°	10217.2	28.1
70°-80°	6351.1	17.5
80°-90°	513.3	1.4
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°	36379.0	100.0
0°-180°	36379.0	100.0

Coefficient of Utilization



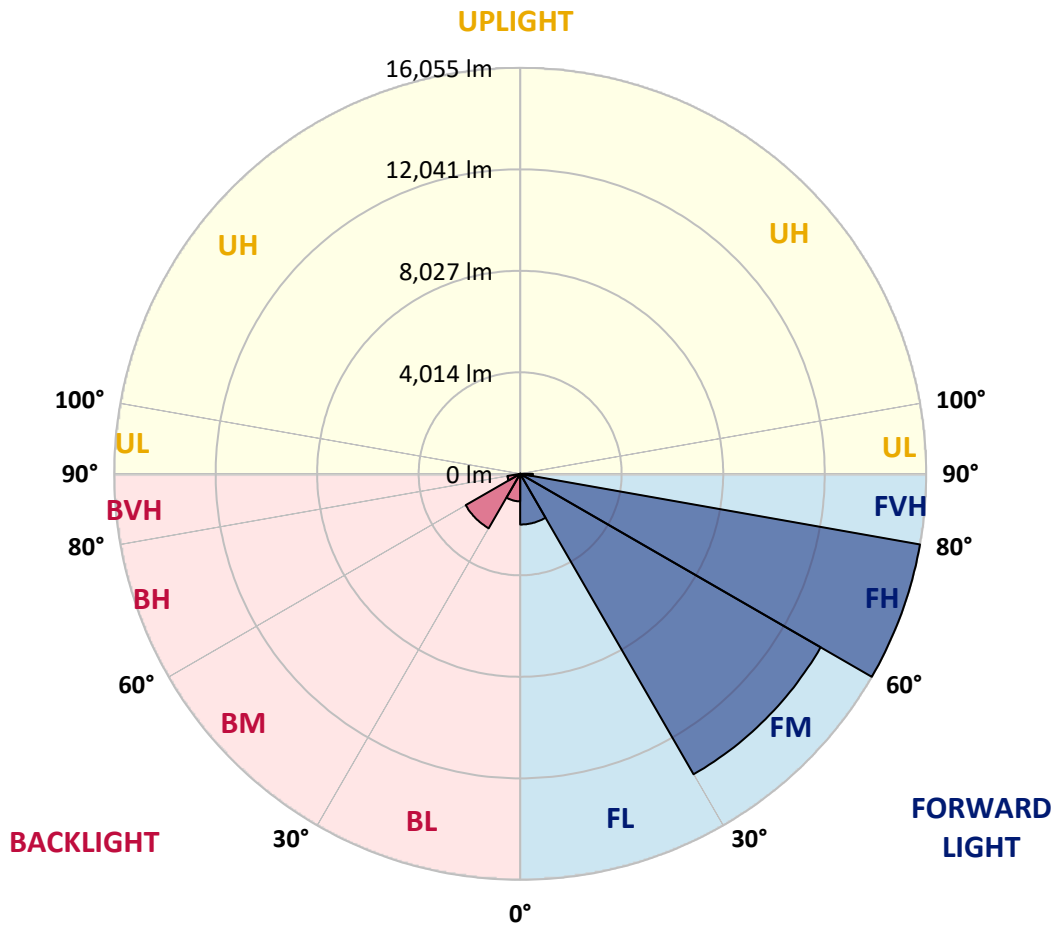
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2005.4	5.5			
FM (30°-60°)	13718.5	37.7			
FH (60°-80°)	16054.5	44.1			G5
FVH (80°-90°)	506.3	1.4			G4/750
BL (0°-30°)	1087.9	3.0	B3/2500		
BM (30°-60°)	2485.6	6.8	B2/2500		
BH (60°-80°)	513.8	1.4	B2/1000		G2/1000
BVH (80°-90°)	7.0	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5
2.5°	5038.0	5080.6	5088.6	5101.9	5101.9	5117.9	5144.6	5181.9	5243.2	5275.2
5°	4643.5	4675.4	4715.4	4747.4	4808.7	4816.7	4920.7	5022.0	5163.2	5269.9
7.5°	4246.3	4283.6	4336.9	4414.2	4494.2	4518.2	4675.4	4846.0	5070.0	5269.9
10°	3966.4	3969.1	4017.0	4094.3	4222.3	4251.6	4443.5	4686.1	4966.0	5237.9
12.5°	3809.1	3827.8	3849.1	3907.8	4030.4	4049.0	4254.3	4539.5	4862.0	5219.2
15°	3809.1	3822.5	3835.8	3865.1	3963.7	3979.7	4161.0	4446.2	4808.7	5227.2
17.5°	3849.1	3870.4	3859.8	3894.4	3998.4	4009.0	4169.0	4419.5	4806.1	5277.9
20°	3945.1	3961.1	3939.7	3961.1	4065.0	4086.3	4251.6	4470.2	4851.4	5365.8
22.5°	4097.0	4105.0	4054.4	4070.4	4177.0	4203.6	4395.6	4614.1	4960.7	5507.1
25°	4288.9	4304.9	4227.6	4246.3	4347.6	4379.6	4600.8	4830.0	5133.9	5701.7
27.5°	4510.2	4518.2	4451.5	4448.9	4579.5	4624.8	4848.7	5096.6	5365.8	5946.9
30°	4763.4	4787.4	4723.4	4712.8	4878.0	4915.3	5136.6	5424.5	5707.0	6314.8
32.5°	4963.3	4982.0	4944.7	4971.3	5139.3	5168.6	5485.8	5888.3	6242.8	6837.2
35°	5251.2	5261.9	5176.6	5224.6	5416.5	5491.1	5962.9	6538.7	6917.2	7493.0
37.5°	6293.5	6293.5	5930.9	5693.7	5877.6	5944.3	6616.0	7357.0	7748.9	8372.6
40°	7735.5	7711.6	7181.1	6696.0	6672.0	6802.6	7546.3	8388.6	8823.1	9428.2
42.5°	9273.6	9236.3	8513.9	8034.1	7954.1	7999.4	8620.5	9660.1	10102.6	10715.7
45°	10638.4	10627.7	9966.6	9321.6	9177.6	9321.6	9961.3	11147.5	11464.7	12109.8
47.5°	11781.9	11781.9	11299.4	10878.3	10803.6	10888.9	11776.6	12797.5	12768.2	13594.5
50°	13098.7	13088.0	12629.6	12448.3	12525.6	12645.6	13866.4	14535.5	14117.0	15052.6
52.5°	14021.0	14085.0	13927.7	13898.4	14292.9	14500.8	15988.2	16236.1	15324.5	16436.0
55°	14751.4	14826.0	15007.3	15212.5	15972.2	16244.1	18043.4	17848.8	16334.7	17635.5
57.5°	15785.6	15679.0	15958.9	16364.1	17592.9	17920.8	20034.6	19370.8	17147.7	18608.5
60°	17041.1	17057.1	17105.1	17616.9	19210.9	19632.1	21996.4	20810.3	17670.2	19205.6
62.5°	18549.8	18573.8	18672.5	19458.8	21383.4	21780.5	24086.3	21988.5	17910.1	19037.6
65°	18445.9	18547.2	19648.1	22337.6	24686.0	25077.9	26525.3	22814.8	17547.6	17502.3
67.5°	16803.9	16969.1	18811.1	25776.3	29665.3	30102.5	29473.4	22977.4	15982.9	13610.5
70°	14650.1	14708.7	16923.8	28868.3	35431.0	35873.5	32112.4	21188.8	12128.4	7591.6
72.5°	11440.7	11454.0	14053.0	29585.4	38560.4	38584.4	30041.2	15729.6	6522.7	2916.2
75°	8172.7	8092.7	9412.2	23993.0	33925.0	34196.9	22521.6	7378.4	2492.3	1378.1
77.5°	4382.2	4470.2	5325.8	14228.9	23435.9	23899.7	12288.4	2127.1	1268.8	938.3
80°	1354.1	1428.8	2183.1	6514.7	13274.6	13554.5	4555.5	946.3	885.0	669.1
82.5°	426.5	442.5	1018.3	2737.6	5509.8	5637.7	1319.5	535.8	605.1	442.5
85°	122.6	125.3	453.2	1020.9	1362.1	1388.8	370.5	207.9	346.5	274.6
87.5°	13.3	42.6	170.6	170.6	120.0	117.3	40.0	45.3	98.6	34.7
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°
5272.5	0°	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5	5272.5
5296.5	2.5°	5283.2	5285.9	5251.2	5192.6	5128.6	5075.3	5008.6	4955.3	4918.0	4907.4
5344.5	5°	5320.5	5301.9	5203.2	5024.6	4811.4	4627.5	4422.2	4259.6	4153.0	4107.7
5395.2	7.5°	5376.5	5323.2	5107.3	4755.4	4347.6	3985.1	3617.2	3332.0	3150.7	3060.1
5443.1	10°	5424.5	5317.9	4947.3	4366.2	3742.5	3193.4	2697.6	2353.7	2161.8	2071.2
5499.1	12.5°	5469.8	5315.2	4739.4	3905.1	3060.1	2388.4	1927.2	1756.6	1703.3	1684.7
5589.7	15°	5555.1	5323.2	4478.2	3377.3	2380.4	1804.6	1636.7	1634.0	1644.7	1639.3
5728.4	17.5°	5672.4	5331.2	4182.3	2817.5	1836.6	1591.4	1583.4	1607.4	1623.3	1615.3
5901.6	20°	5824.3	5363.2	3867.8	2263.1	1578.0	1538.0	1556.7	1578.0	1591.4	1578.0
6133.5	22.5°	6037.6	5419.1	3523.9	1817.9	1495.4	1506.1	1522.1	1546.0	1559.4	1540.7
6429.4	25°	6298.8	5507.1	3185.4	1580.7	1455.4	1468.7	1492.7	1519.4	1535.4	1516.7
6802.6	27.5°	6637.3	5648.4	2873.5	1527.4	1415.4	1423.4	1458.1	1498.1	1519.4	1495.4
7333.0	30°	7127.8	5880.3	2604.3	1551.4	1391.4	1372.8	1420.8	1476.7	1500.7	1479.4
8055.4	32.5°	7778.2	6208.2	2439.0	1588.7	1380.8	1314.1	1359.5	1431.4	1471.4	1458.1
8999.0	35°	8631.2	6706.6	2375.0	1631.3	1372.8	1252.8	1284.8	1362.1	1431.4	1444.7
10187.9	37.5°	9665.4	7399.7	2393.7	1650.0	1348.8	1202.2	1218.2	1284.8	1375.4	1418.1
11526.0	40°	10841.0	8207.4	2500.3	1631.3	1322.1	1159.5	1162.2	1212.8	1292.8	1356.8
12965.4	42.5°	12053.8	9151.0	2697.6	1562.0	1298.1	1122.2	1114.2	1148.9	1202.2	1247.5
14402.2	45°	13208.0	10121.2	2892.2	1466.1	1268.8	1084.9	1066.2	1079.6	1090.2	1108.9
15801.6	47.5°	14215.6	10803.6	2836.2	1378.1	1228.8	1042.2	1010.3	1004.9	972.9	970.3
17051.8	50°	14911.3	10952.9	2519.0	1290.1	1170.2	994.3	943.6	911.6	855.7	829.0
17987.4	52.5°	15132.6	10363.8	2057.8	1202.2	1074.2	930.3	858.3	807.7	738.4	714.4
18525.8	55°	14839.3	9209.6	1644.7	1095.6	941.0	845.0	765.0	698.4	642.4	613.1
18584.5	57.5°	14122.3	7740.9	1300.8	970.3	799.7	749.0	669.1	602.4	554.4	525.1
17934.1	60°	12933.4	6146.9	1028.9	821.0	682.4	645.1	562.4	519.8	477.1	442.5
16254.8	62.5°	11128.8	4387.6	807.7	650.4	570.4	527.8	479.8	447.8	397.2	349.2
13234.7	65°	8684.5	2684.2	623.7	477.1	458.5	437.2	407.8	378.5	317.2	269.2
8633.8	67.5°	5477.8	1271.5	445.2	359.9	362.5	351.9	338.5	314.5	269.2	226.6
3867.8	70°	2412.4	615.8	293.2	274.6	269.2	269.2	279.9	271.9	229.2	189.3
1343.5	72.5°	821.0	330.5	218.6	207.9	194.6	191.9	234.6	226.6	183.9	146.6
669.1	75°	429.2	221.2	159.9	149.3	117.3	141.3	186.6	175.9	130.6	96.0
442.5	77.5°	279.9	157.3	109.3	96.0	66.6	93.3	138.6	122.6	77.3	48.0
290.5	80°	175.9	104.0	64.0	45.3	32.0	50.6	74.6	53.3	29.3	10.7
170.6	82.5°	93.3	53.3	24.0	16.0	13.3	16.0	18.7	13.3	5.3	0.0
88.0	85°	37.3	18.7	8.0	5.3	2.7	0.0	5.3	2.7	0.0	0.0
16.0	87.5°	13.3	2.7	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>
5272.5
4926.0
4123.7
3073.4
2073.8
1679.3
1636.7
1612.7
1575.4
1538.0
1514.1
1495.4
1476.7
1458.1
1444.7
1428.8
1378.1
1266.2
1119.5
967.6
831.7
711.7
613.1
519.8
434.5
341.2
261.2
221.2
181.3
138.6
88.0
42.6
8.0
0.0
0.0
0.0
0.0

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