

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: P952802

Luminaire Tested: **GALN-SB6C-750-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)  
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-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

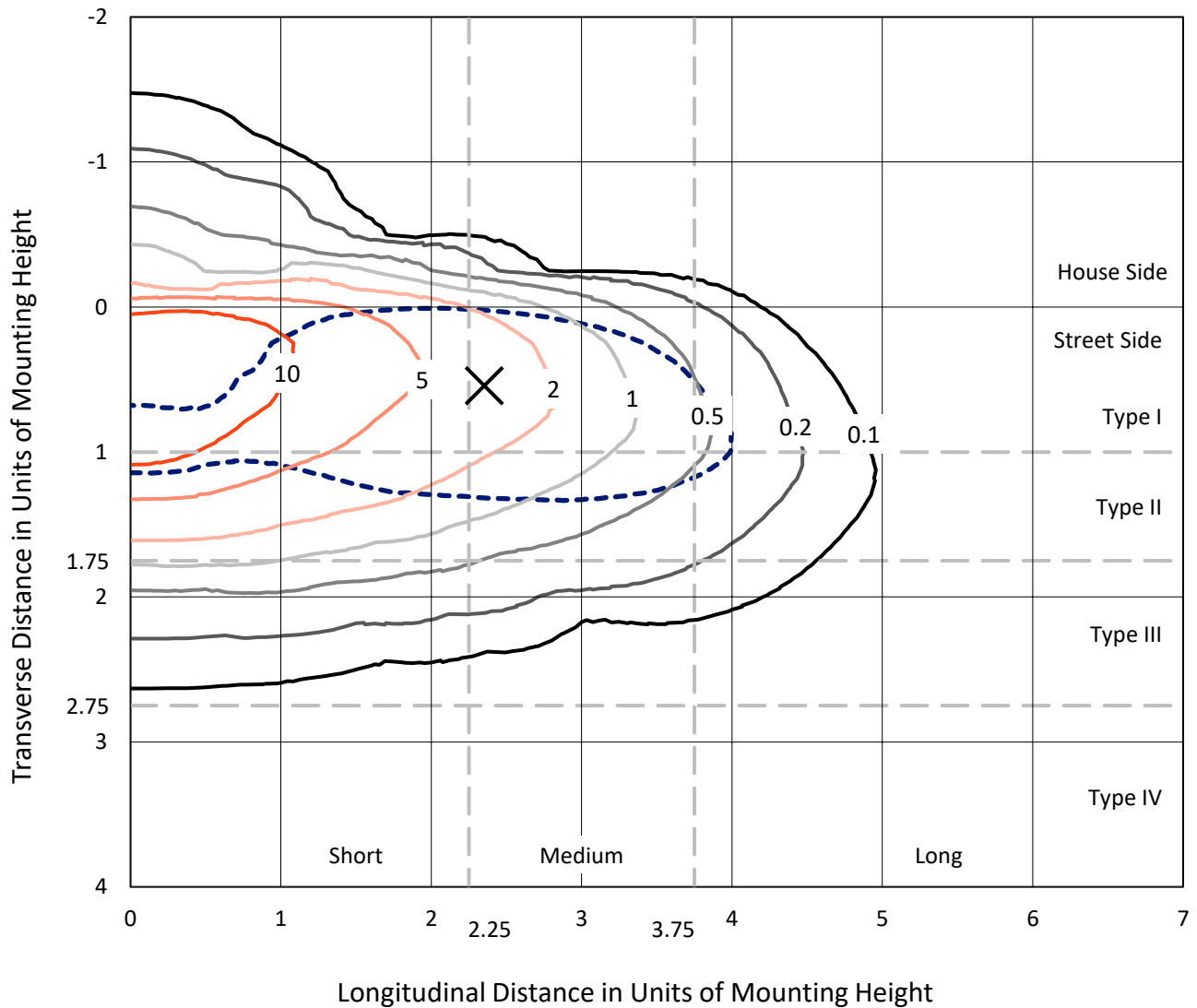
Lumens per Lamp: N/A  
Luminaire Lumens: 40681 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

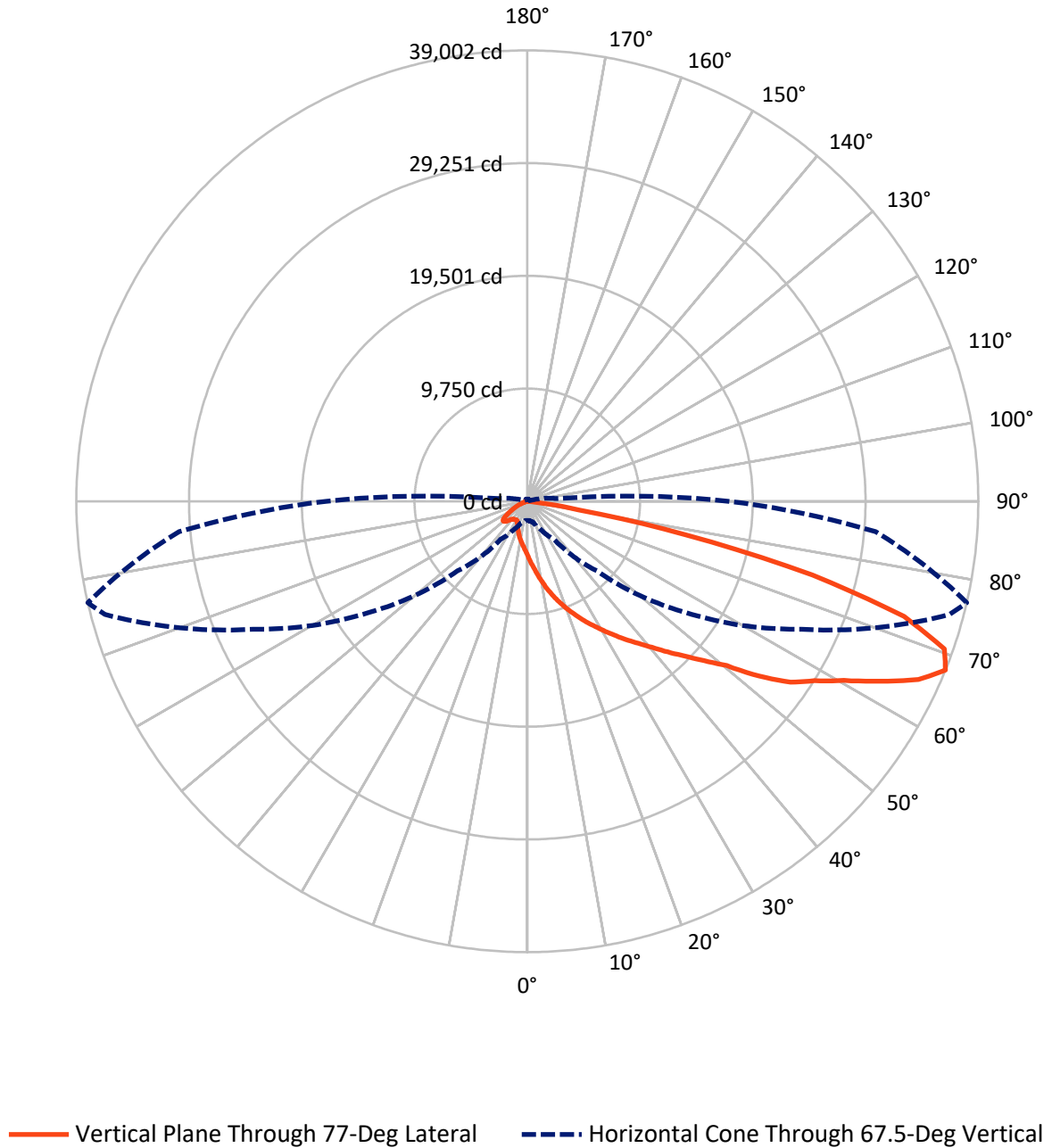
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.5 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	2992.9	0.0	2992.9
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	37688.1	0.0	37688.1
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	40681.0	0.0	40681.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	478.8	1.2
10°-20°	1676.7	4.1
20°-30°	3235.6	8.0
30°-40°	5617.2	13.8
40°-50°	8155.9	20.0
50°-60°	9366.0	23.0
60°-70°	8131.4	20.0
70°-80°	3830.0	9.4
80°-90°	189.4	0.5
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°	40681.0	100.0
0°-180°	40681.0	100.0

**Coefficient of Utilization**



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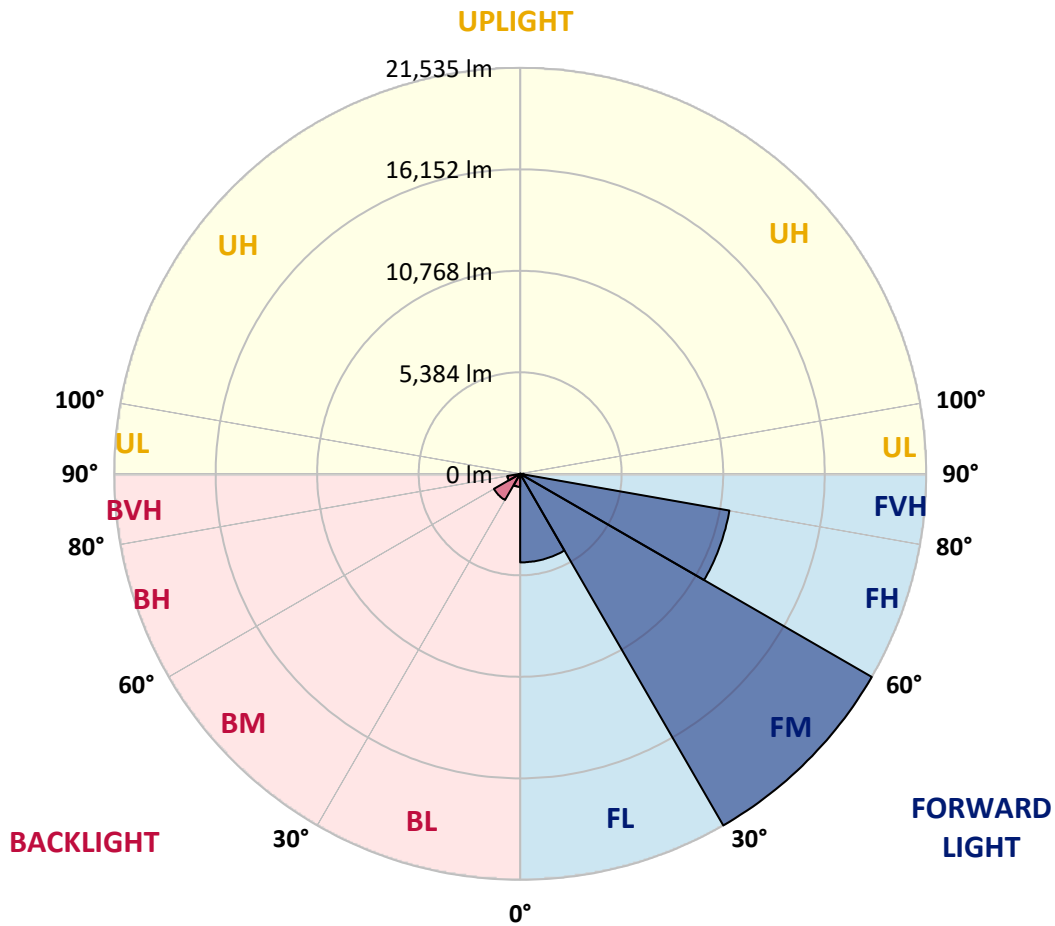
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4698.2	11.5			
FM (30°-60°)	21535.4	52.9			
FH (60°-80°)	11268.5	27.7			G4/12000
FVH (80°-90°)	185.9	0.5			G2/225
BL (0°-30°)	692.9	1.7	B2/1000		
BM (30°-60°)	1603.6	3.9	B2/2500		
BH (60°-80°)	692.9	1.7	B2/1000		G2/1000
BVH (80°-90°)	3.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1
2.5°	6494.8	6535.2	6477.1	6366.0	6199.2	6090.6	5825.4	5575.3	5297.4	5209.0
5°	7917.0	7952.4	7886.7	7765.5	7543.2	7331.0	6982.4	6459.4	5916.3	5742.0
7.5°	8970.5	8990.7	8965.4	8854.3	8642.1	8402.1	8013.0	7394.1	6588.3	6396.3
10°	9728.3	9794.0	9786.4	9743.5	9602.0	9407.5	8993.2	8288.4	7341.1	7093.5
12.5°	10231.0	10304.3	10347.2	10443.2	10435.7	10311.9	9948.1	9202.9	8091.4	7800.8
15°	10377.5	10455.9	10620.1	10842.4	11039.4	11102.6	10847.4	10099.7	8917.4	8546.1
17.5°	10294.2	10415.4	10612.5	10963.6	11395.6	11681.1	11653.3	10966.1	9667.7	9243.3
20°	10478.6	10594.8	10748.9	11044.5	11547.2	12065.0	12272.2	11794.7	10412.9	9968.3
22.5°	11499.2	11479.0	11494.1	11542.1	11842.7	12355.5	12782.5	12547.5	11150.6	10695.8
25°	13115.9	13025.0	12870.9	12610.7	12534.9	12782.5	13227.1	13214.5	11928.6	11441.1
27.5°	14970.1	14955.0	14593.7	13967.3	13613.6	13517.6	13729.8	13863.7	12699.1	12178.7
30°	16746.1	16786.5	16298.9	15601.7	14952.5	14576.1	14384.1	14480.1	13482.2	12974.5
32.5°	18292.1	18335.0	17804.5	16988.6	16185.2	15730.5	15326.3	15088.9	14336.1	13782.8
35°	19598.1	19641.1	19032.2	18130.4	17274.0	16862.3	16405.0	15755.8	15195.0	14679.6
37.5°	20765.2	20752.6	19936.6	19027.2	18186.0	17860.1	17620.1	16576.8	16079.1	15581.5
40°	21454.9	21507.9	20810.7	19807.8	18991.8	18754.4	18739.2	17594.8	17099.7	16617.2
42.5°	21656.9	21750.4	21245.2	20421.6	19681.5	19423.8	19820.4	18696.3	18287.0	17817.2
45°	21293.2	21384.1	21154.2	20583.3	20151.3	19984.6	20750.0	19838.1	19555.2	19090.3
47.5°	20232.2	20345.9	20401.4	20280.2	20275.1	20444.4	21583.7	21040.6	21060.8	20585.8
50°	18178.4	18370.4	18880.7	19310.1	19974.5	20808.1	22394.6	22344.1	22758.4	22349.1
52.5°	14444.7	14717.5	16475.7	17650.4	19143.4	20739.9	23286.3	24435.7	25736.7	25138.0
55°	11607.8	11607.8	13037.6	15235.4	17521.6	20290.3	23675.4	25794.8	27765.3	27623.8
57.5°	9463.1	9576.8	10488.7	12431.3	15174.8	19219.2	23915.4	26648.7	29399.7	29296.1
60°	5840.5	6085.6	7808.4	9725.8	12504.6	17311.9	23763.8	27512.6	31382.7	31466.1
62.5°	3289.1	3380.0	4148.0	6997.5	9723.3	14747.8	22604.3	27995.1	33919.0	34272.7
65°	2271.0	2316.5	2612.1	4355.1	6739.8	11741.7	20338.3	27694.5	36460.4	37175.3
67.5°	1649.6	1672.3	1856.7	2660.1	3998.9	8513.2	16786.5	26178.8	37806.8	39001.7
70°	1268.1	1283.3	1417.2	1748.1	2362.0	5254.5	12191.3	23165.1	36831.7	38259.0
72.5°	1030.7	1045.8	1149.4	1293.4	1566.2	3107.2	7389.1	18812.5	32527.1	34068.1
75°	869.0	889.2	982.7	1076.2	1227.7	1995.7	3465.9	13100.8	24461.0	25471.5
77.5°	482.5	444.6	798.3	891.7	1035.7	1263.1	1621.8	7709.9	13699.5	13979.9
80°	300.6	310.7	634.1	717.4	795.7	636.6	742.7	2968.3	4749.2	4511.8
82.5°	17.7	40.4	487.6	517.9	545.7	272.8	280.4	1007.9	1144.4	1050.9
85°	0.0	0.0	222.3	179.4	189.5	78.3	80.8	234.9	154.1	166.7
87.5°	0.0	0.0	0.0	5.1	0.0	7.6	15.2	20.2	7.6	10.1
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°
4691.1	0°	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1	4691.1
4931.1	2.5°	4754.3	4577.4	4218.7	3867.6	3582.1	3316.9	3127.4	2948.1	2857.1	2852.1
5249.4	5°	4898.3	4526.9	3809.5	3175.4	2665.1	2255.9	1990.6	1801.2	1705.2	1672.3
5641.0	7.5°	5100.4	4542.1	3450.8	2569.1	1967.9	1616.8	1465.2	1404.6	1384.3	1361.6
6083.0	10°	5355.5	4577.4	3129.9	2068.9	1551.1	1374.2	1313.6	1288.4	1273.2	1258.0
6580.7	12.5°	5641.0	4610.3	2811.6	1717.8	1364.1	1273.2	1230.2	1199.9	1179.7	1162.0
7091.0	15°	5918.8	4630.5	2480.7	1472.8	1268.1	1194.9	1149.4	1116.6	1088.8	1068.6
7591.2	17.5°	6194.2	4658.3	2170.0	1326.2	1189.8	1116.6	1071.1	1030.7	1007.9	985.2
8116.6	20°	6499.9	4653.2	1877.0	1222.7	1111.5	1038.3	990.3	952.4	929.6	904.4
8672.4	22.5°	6782.8	4628.0	1619.3	1134.3	1030.7	959.9	906.9	869.0	846.3	826.1
9240.8	25°	7108.7	4607.8	1404.6	1053.4	954.9	884.2	826.1	790.7	765.4	747.7
9811.7	27.5°	7421.9	4577.4	1247.9	980.2	881.6	813.4	757.9	717.4	694.7	682.1
10400.3	30°	7730.1	4569.9	1189.8	909.4	816.0	747.7	692.2	654.3	636.6	631.5
11047.0	32.5°	8101.5	4590.1	1215.1	884.2	755.3	687.1	634.1	606.3	588.6	588.6
11766.9	35°	8498.1	4585.0	1253.0	906.9	714.9	626.5	586.1	568.4	550.7	550.7
12565.2	37.5°	8995.7	4592.6	1283.3	944.8	699.8	576.0	553.2	530.5	520.4	520.4
13439.3	40°	9738.4	4842.7	1268.1	977.6	694.7	540.6	495.1	487.6	480.0	480.0
14427.0	42.5°	10647.9	5385.8	1288.4	980.2	692.2	515.3	454.7	469.9	452.2	449.7
15541.1	45°	11643.2	5979.5	1417.2	927.1	689.6	502.7	434.5	452.2	424.4	424.4
16831.9	47.5°	12630.9	6568.1	1548.5	851.3	682.1	500.2	416.8	406.7	399.1	401.7
18514.4	50°	13992.5	7048.0	1599.1	747.7	664.4	495.1	384.0	386.5	381.5	386.5
20886.5	52.5°	15475.4	7149.1	1538.4	631.5	613.9	480.0	361.2	371.3	368.8	373.9
22556.3	55°	16400.0	7040.5	1270.7	525.4	535.6	419.3	338.5	358.7	358.7	358.7
24188.2	57.5°	17354.9	6578.2	901.8	426.9	444.6	343.6	318.3	346.1	343.6	341.0
26153.5	60°	18042.0	5830.4	593.7	351.1	353.7	282.9	295.6	325.9	323.4	310.7
28179.5	62.5°	18554.8	5004.4	381.5	298.1	270.3	255.1	270.3	295.6	285.5	257.7
29897.3	65°	18496.7	3860.0	293.0	255.1	222.3	222.3	234.9	257.7	227.4	181.9
30225.8	67.5°	17418.0	2612.1	242.5	214.7	186.9	184.4	194.5	214.7	194.5	154.1
28543.3	70°	15490.5	1707.7	194.5	166.7	149.0	136.4	156.6	184.4	164.2	123.8
24299.3	72.5°	12572.8	1040.8	146.5	121.3	108.6	88.4	123.8	151.6	131.4	90.9
16897.6	75°	8134.3	530.5	101.0	78.3	58.1	53.0	90.9	113.7	90.9	55.6
7497.7	77.5°	3112.3	222.3	55.6	35.4	30.3	25.3	50.5	68.2	37.9	12.6
1452.6	80°	598.7	93.5	27.8	17.7	15.2	10.1	7.6	5.1	0.0	0.0
257.7	82.5°	103.6	30.3	10.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0
50.5	85°	35.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.7	87.5°	12.6	0.0	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>
4691.1
2847.0
1667.3
1356.6
1253.0
1157.0
1066.0
982.7
901.8
823.5
745.2
682.1
629.0
588.6
550.7
520.4
480.0
447.1
424.4
401.7
386.5
373.9
358.7
341.0
310.7
252.6
176.8
149.0
118.7
85.9
48.0
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