

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: P942494

Luminaire Tested: **GALN-SB6C-740-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942494  
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-SB6C-740-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

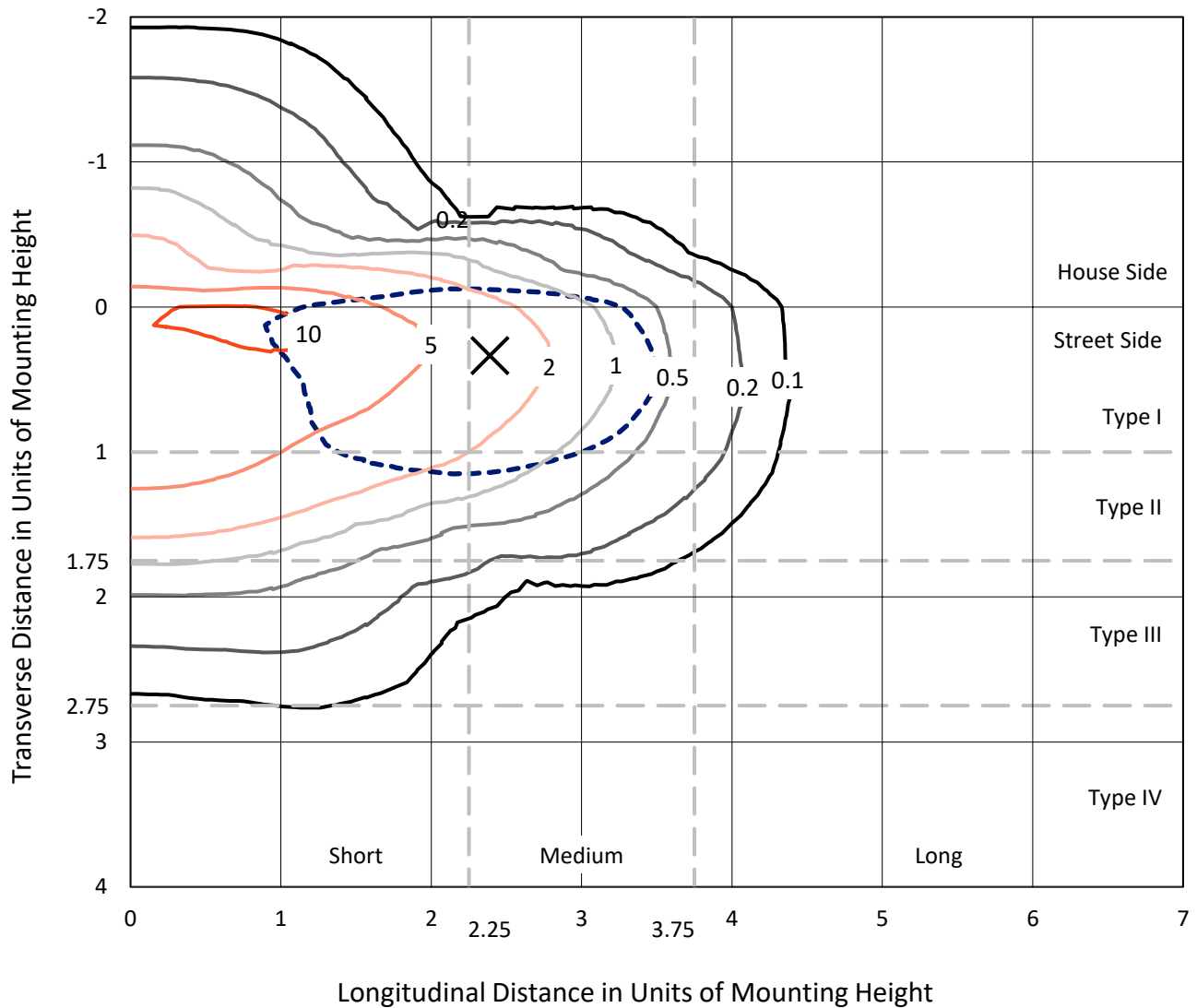
Lumens per Lamp: N/A  
Luminaire Lumens: 35085 lumens  
Efficiency: N/A  
Efficacy: 116.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

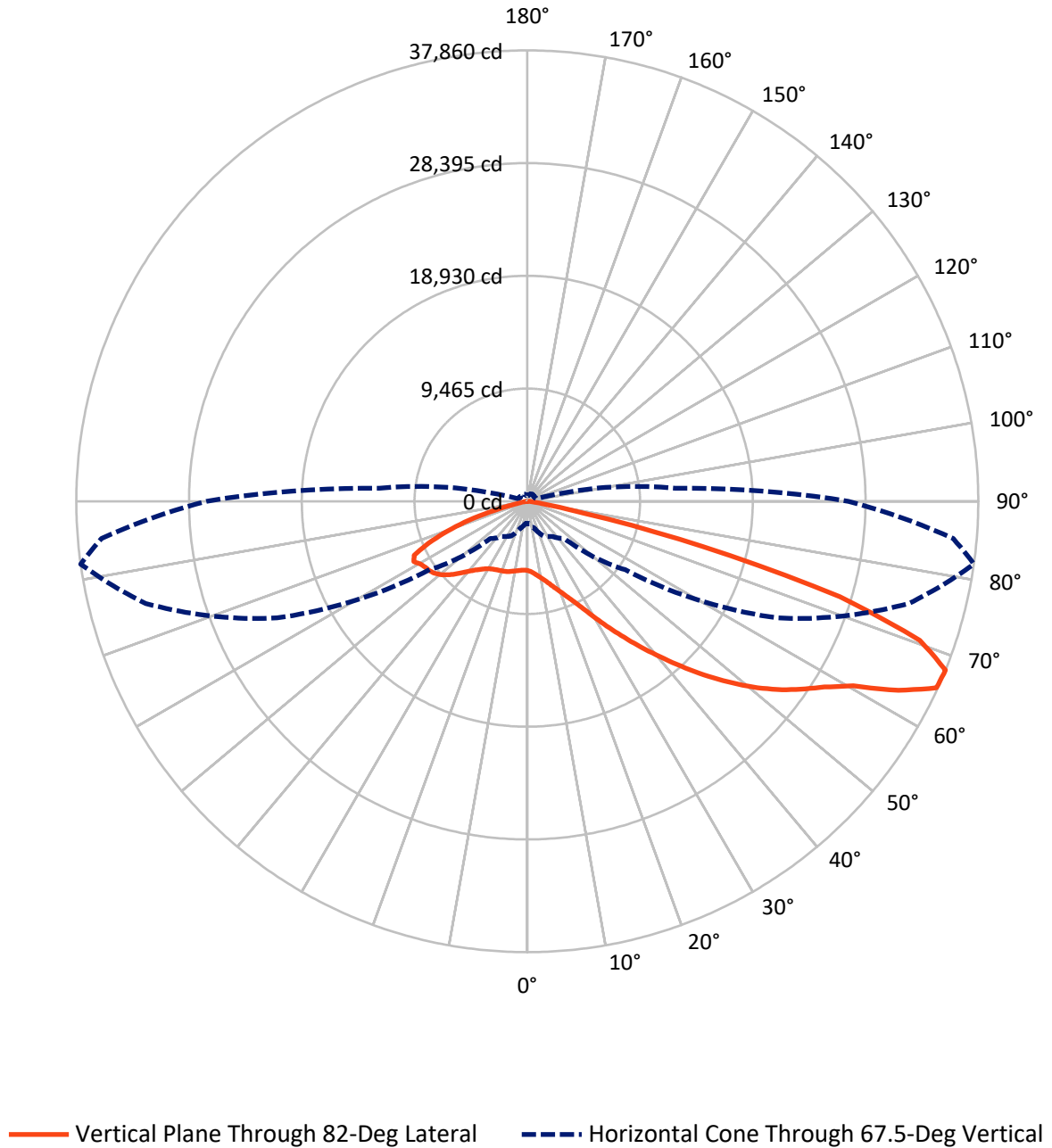
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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	6355.3	0.0	6355.3
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	28729.7	0.0	28729.7
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	35085.0	0.0	35085.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	517.8	1.5
10°-20°	1345.7	3.8
20°-30°	2155.3	6.1
30°-40°	3811.3	10.9
40°-50°	6677.7	19.0
50°-60°	8906.2	25.4
60°-70°	8291.2	23.6
70°-80°	3182.2	9.1
80°-90°	197.6	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°	35085.0	100.0
0°-180°	35085.0	100.0

**Coefficient of Utilization**



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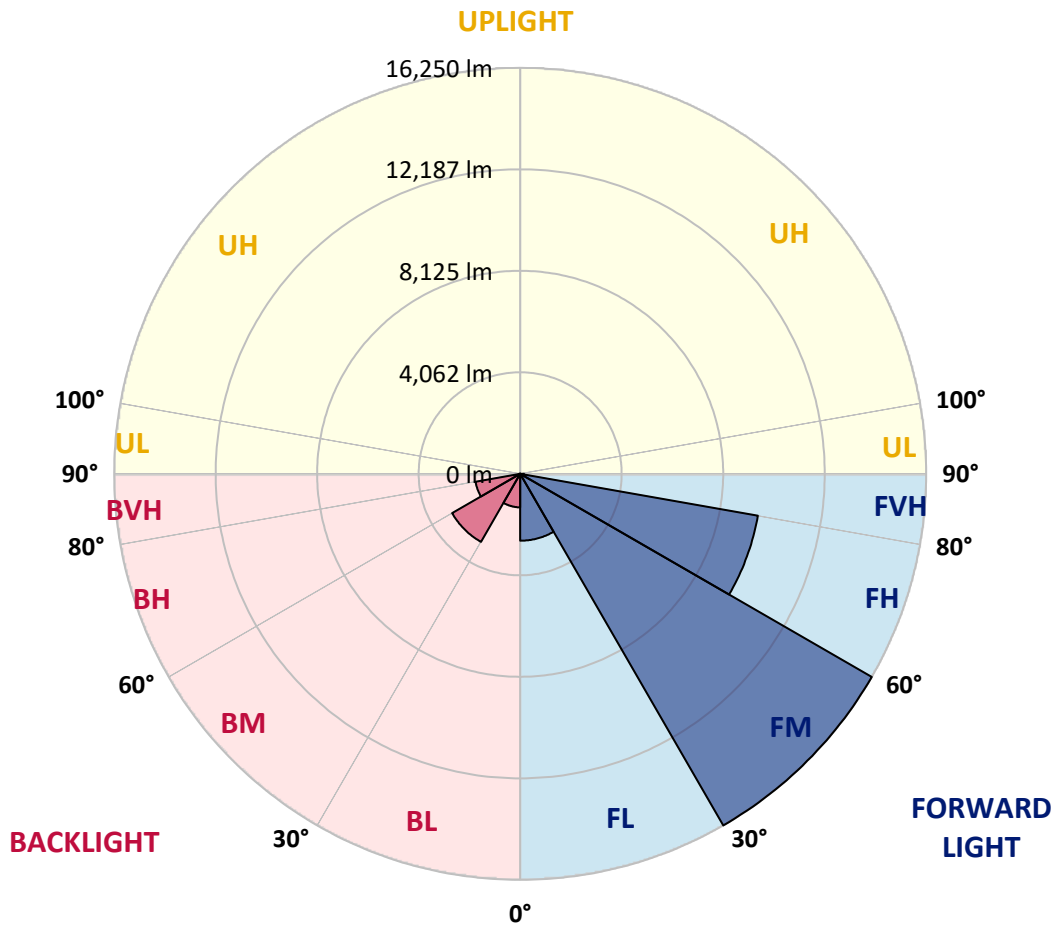
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2676.6	7.6			
FM (30°-60°)	16249.9	46.3			
FH (60°-80°)	9659.4	27.5			G4/12000
FVH (80°-90°)	143.7	0.4			G2/225
BL (0°-30°)	1342.2	3.8	B3/2500		
BM (30°-60°)	3145.2	9.0	B3/5000		
BH (60°-80°)	1813.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	54.0	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°	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4
2.5°	6143.3	6178.7	6158.5	6148.4	6130.7	6105.4	6085.2	6022.1	5956.4	5913.4
5°	6267.1	6302.4	6299.9	6310.0	6322.7	6330.2	6325.2	6254.5	6161.0	6087.7
7.5°	6161.0	6201.4	6234.2	6284.8	6373.2	6466.6	6512.1	6497.0	6401.0	6299.9
10°	5860.4	5903.3	5981.6	6100.4	6287.3	6489.4	6658.6	6736.9	6676.3	6565.2
12.5°	5309.7	5352.7	5506.7	5764.4	6077.6	6428.7	6752.1	6961.7	6976.9	6865.8
15°	4690.8	4733.8	4898.0	5221.3	5698.7	6262.0	6802.6	7199.2	7333.1	7237.1
17.5°	4306.9	4344.8	4468.5	4728.7	5226.4	5928.6	6784.9	7451.8	7757.4	7681.7
20°	4190.7	4223.5	4281.6	4463.5	4877.8	5582.5	6668.7	7689.2	8214.7	8171.7
22.5°	4314.5	4344.8	4362.5	4443.3	4703.5	5355.2	6522.2	7931.7	8745.1	8750.2
25°	4599.9	4630.2	4610.0	4660.5	4774.2	5284.5	6466.6	8217.2	9412.0	9467.6
27.5°	5069.7	5072.3	5024.3	5021.7	5039.4	5390.6	6524.7	8522.8	10253.2	10356.7
30°	6012.0	5974.1	5789.7	5590.1	5499.2	5708.8	6686.4	8884.1	11245.9	11430.3
32.5°	7464.4	7408.8	7070.4	6592.9	6113.0	6221.6	6976.9	9295.8	12327.0	12660.5
35°	9040.7	9025.5	8671.9	7962.0	7123.4	6951.6	7449.3	9836.4	13506.7	14037.2
37.5°	10505.8	10498.2	10296.1	9460.0	8439.5	7969.6	8207.1	10543.7	14769.7	15537.6
40°	11844.6	11867.3	11665.2	10917.5	9889.4	9275.6	9237.7	11417.7	16174.2	17172.0
42.5°	13001.5	13026.7	12822.1	12268.9	11321.7	10720.5	10503.2	12488.7	17545.8	18927.5
45°	13787.1	13943.7	13913.4	13471.3	12791.8	12167.9	12023.9	13832.5	19109.4	20789.2
47.5°	14009.4	14153.4	14380.7	14441.3	14027.0	13413.2	13585.0	15451.7	20690.7	22653.4
50°	13461.2	13595.1	14067.5	14696.4	14984.4	14795.0	15103.1	17187.1	22309.9	24512.6
52.5°	12380.1	12516.5	13112.6	14107.9	15282.5	15878.6	16626.3	18897.2	23878.6	26273.2
55°	10816.5	10960.4	11725.8	12852.4	14714.1	16325.7	17896.9	20604.8	25315.9	27857.1
57.5°	8689.5	8795.6	9591.3	11167.6	13284.4	15881.2	18834.1	22469.0	26669.8	29413.1
60°	5663.4	5756.8	6681.4	8439.5	10915.0	14395.9	19021.0	24548.0	28468.4	31436.5
62.5°	3766.3	3829.5	4377.6	5668.4	7686.7	11544.0	17927.2	26207.6	31105.5	34957.7
65°	2584.1	2647.3	3195.4	4094.7	4966.2	7636.2	14782.3	25987.8	33495.2	37754.1
67.5°	1844.0	1897.0	2361.8	3210.6	3594.5	4435.7	10020.8	23178.9	33151.6	37860.2
70°	1321.1	1351.4	1735.4	2500.8	2856.9	2665.0	5572.4	17727.7	29026.6	34960.3
72.5°	924.5	934.6	1204.9	1904.6	2301.2	1945.0	2652.3	11819.3	21953.7	27440.3
75°	626.5	639.1	810.9	1396.9	1846.5	1485.3	1404.5	6337.8	12887.8	15189.0
77.5°	384.0	389.0	522.9	954.8	1381.7	1131.7	904.3	2685.2	4986.4	4895.4
80°	217.2	217.2	333.4	593.6	942.2	730.0	634.0	1141.8	1578.8	1386.8
82.5°	121.2	123.8	242.5	368.8	623.9	432.0	348.6	527.9	682.0	603.7
85°	50.5	55.6	149.0	174.3	298.1	214.7	141.5	222.3	252.6	224.8
87.5°	5.1	7.6	45.5	32.8	35.4	42.9	20.2	42.9	35.4	35.4
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°
5812.4	0°	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4	5812.4
5898.3	2.5°	5850.3	5812.4	5716.4	5605.3	5458.8	5388.0	5292.0	5226.4	5170.8	5175.8
6044.8	5°	5964.0	5868.0	5653.3	5385.5	5052.1	4814.6	4562.0	4387.7	4246.3	4215.9
6246.9	7.5°	6120.6	5969.0	5592.6	5110.2	4546.9	4120.0	3738.5	3493.5	3319.2	3263.6
6491.9	10°	6322.7	6102.9	5514.3	4764.1	3953.2	3410.1	3000.9	2808.9	2690.2	2649.8
6779.9	12.5°	6557.6	6257.0	5410.8	4342.2	3341.9	2819.1	2558.9	2462.9	2425.0	2412.4
7133.5	15°	6853.1	6449.0	5254.1	3842.1	2824.1	2457.8	2346.7	2334.1	2339.1	2334.1
7557.9	17.5°	7204.2	6658.6	4999.0	3326.8	2475.5	2273.4	2233.0	2243.1	2255.7	2253.2
8032.8	20°	7588.2	6865.8	4673.2	2869.6	2238.1	2142.1	2119.3	2129.4	2139.5	2134.5
8580.9	22.5°	8025.2	7088.0	4311.9	2513.4	2078.9	2020.8	1995.6	1998.1	1998.1	1988.0
9275.6	25°	8548.1	7333.1	3933.0	2260.8	1957.7	1912.2	1881.9	1871.8	1856.6	1826.3
10119.3	27.5°	9172.0	7593.2	3569.3	2084.0	1861.7	1818.7	1783.4	1758.1	1720.2	1669.7
11132.2	30°	9874.3	7909.0	3261.1	1972.8	1785.9	1743.0	1702.5	1664.7	1609.1	1545.9
12296.7	32.5°	10700.3	8247.5	3036.3	1899.6	1717.7	1672.2	1624.2	1578.8	1518.1	1455.0
13605.2	35°	11685.4	8656.7	2904.9	1849.1	1664.7	1604.0	1551.0	1500.5	1455.0	1399.4
15027.4	37.5°	12753.9	9091.2	2864.5	1823.8	1629.3	1535.8	1475.2	1439.8	1434.8	1401.9
16565.7	40°	13923.5	9606.5	2894.8	1808.6	1591.4	1470.2	1404.5	1396.9	1409.5	1351.4
18210.2	42.5°	15161.2	10217.8	2945.4	1791.0	1538.4	1404.5	1341.3	1341.3	1331.2	1250.4
19948.1	45°	16500.0	10922.6	2995.9	1748.0	1475.2	1338.8	1290.8	1273.1	1230.2	1151.9
21696.1	47.5°	17848.9	11640.0	3033.8	1669.7	1399.4	1283.2	1240.3	1199.9	1136.7	1066.0
23411.3	50°	19129.6	12284.1	2993.3	1553.5	1313.5	1230.2	1184.7	1129.1	1060.9	1012.9
25035.5	52.5°	20273.9	12842.3	2821.6	1417.1	1222.6	1174.6	1134.2	1076.1	1020.5	970.0
26500.6	55°	21269.2	13294.5	2518.5	1288.3	1141.8	1126.6	1086.2	1012.9	937.2	894.2
27953.1	57.5°	22224.0	13638.0	2139.5	1182.2	1068.5	1073.6	1012.9	947.3	876.5	831.1
29910.7	60°	23494.6	14097.8	1755.6	1083.7	990.2	1005.4	939.7	891.7	803.3	745.2
33267.8	62.5°	25525.5	14812.6	1394.4	962.4	899.3	904.3	876.5	818.4	712.3	644.1
35756.0	65°	27137.2	14549.9	1098.8	831.1	795.7	803.3	803.3	740.1	626.5	548.1
35889.8	67.5°	26955.3	12458.4	876.5	702.2	697.2	702.2	719.9	666.9	555.7	492.6
33156.7	70°	24830.9	9909.6	702.2	583.5	606.2	593.6	644.1	608.8	500.2	437.0
25704.9	72.5°	20261.3	7138.6	535.5	482.5	464.8	485.0	581.0	548.1	416.8	346.1
13615.3	75°	11839.5	3809.3	399.1	381.4	336.0	404.2	515.3	467.3	318.3	255.1
4173.0	77.5°	3854.7	1328.7	293.0	280.4	250.1	325.9	439.5	394.1	260.2	202.1
1222.6	80°	1033.1	401.6	199.6	184.4	161.7	242.5	348.6	313.2	186.9	131.4
525.4	82.5°	414.3	169.2	116.2	103.6	88.4	166.7	275.3	252.6	138.9	83.4
164.2	85°	133.9	55.6	42.9	32.8	40.4	103.6	164.2	171.8	98.5	42.9
25.3	87.5°	17.7	7.6	7.6	10.1	7.6	17.7	50.5	48.0	27.8	5.1
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>
5812.4
5125.3
4147.7
3208.1
2619.5
2404.8
2331.5
2248.2
2132.0
1982.9
1821.3
1664.7
1540.9
1457.5
1394.4
1399.4
1354.0
1250.4
1149.3
1063.5
1005.4
964.9
889.2
826.0
737.6
639.1
540.6
482.5
429.4
338.5
247.6
194.5
128.8
83.4
32.8
0.0
0.0

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