

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: P952529

Luminaire Tested: **GALN-SB6B-835-U-T2R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952529  
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-SB6B-835-U-T2R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

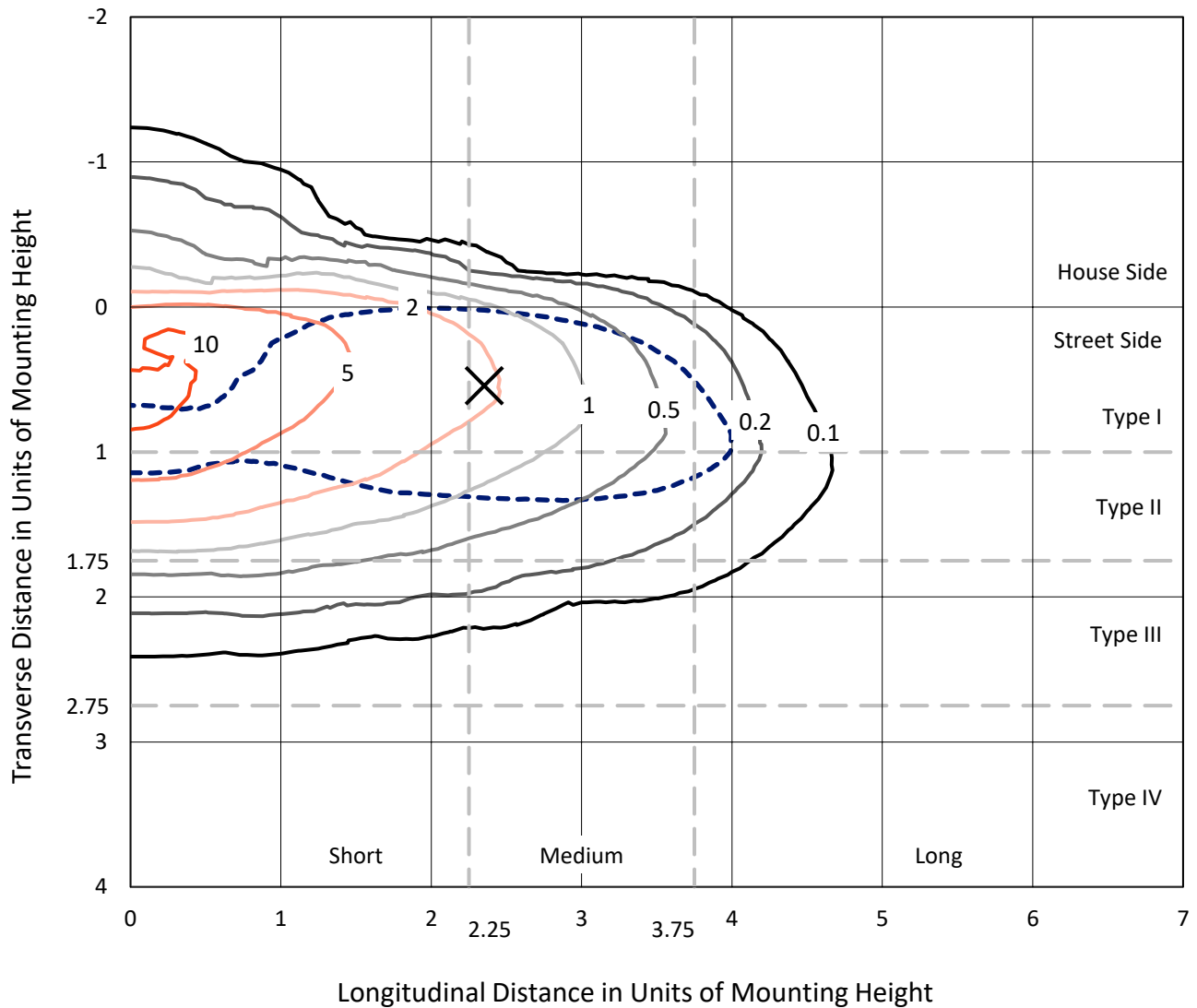
Lumens per Lamp: N/A  
Luminaire Lumens: 26817 lumens  
Efficiency: N/A  
Efficacy: 121.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

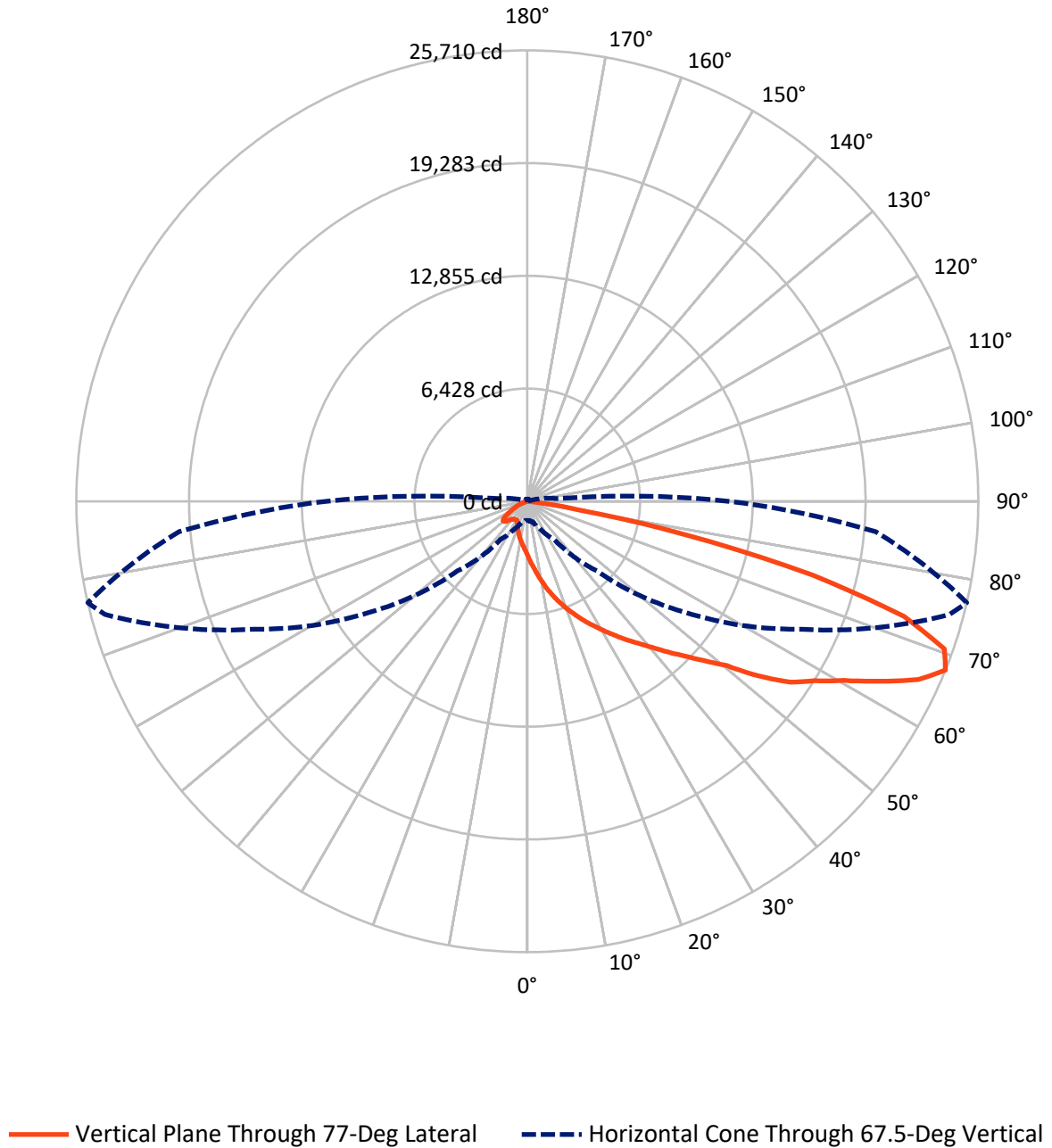
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	1972.9	0.0	1972.9
	% Fixture	7.4	0.0	7.4
<b>Street Side</b>	Lumens	24844.1	0.0	24844.1
	% Fixture	92.6	0.0	92.6
<b>Total</b>	Lumens	26817.0	0.0	26817.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	315.6	1.2
10°-20°	1105.3	4.1
20°-30°	2132.9	8.0
30°-40°	3702.9	13.8
40°-50°	5376.4	20.0
50°-60°	6174.1	23.0
60°-70°	5360.2	20.0
70°-80°	2524.7	9.4
80°-90°	124.9	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°	26817.0	100.0
0°-180°	26817.0	100.0

**Coefficient of Utilization**



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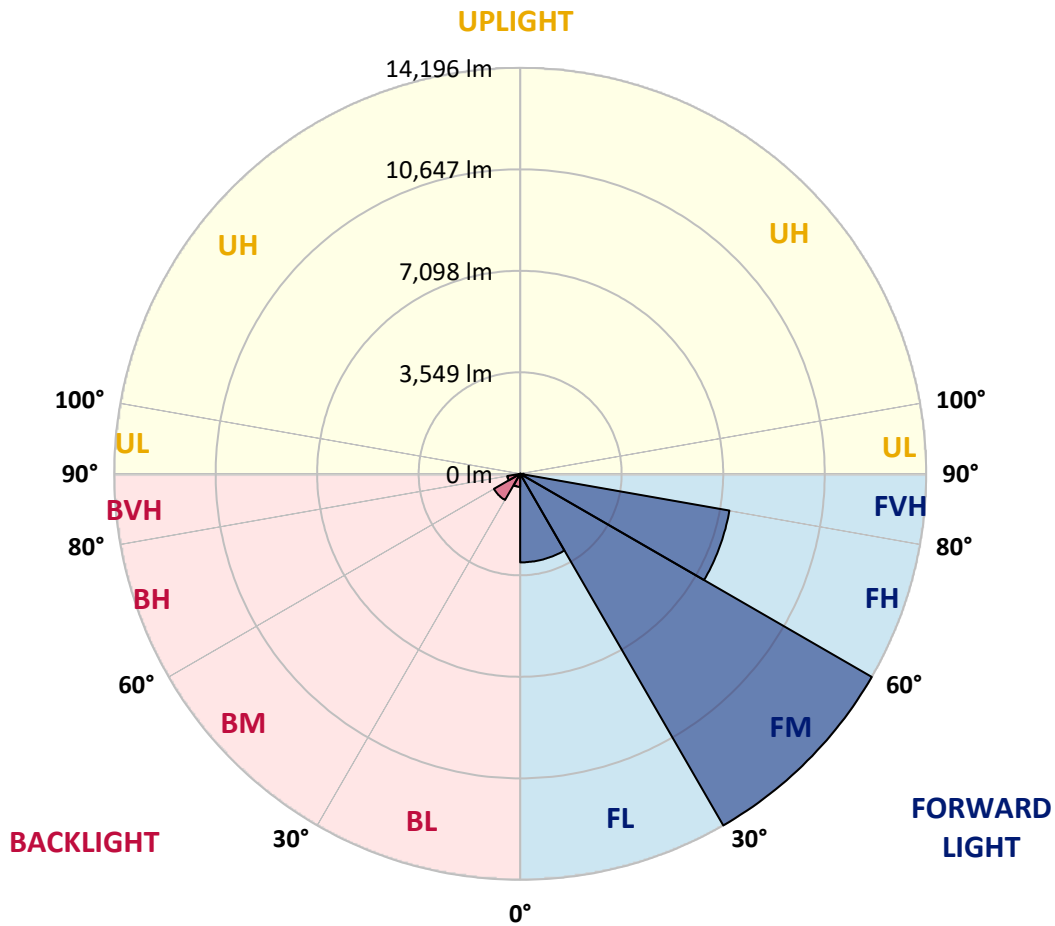
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3097.1	11.5			
FM (30°-60°)	14196.2	52.9			
FH (60°-80°)	7428.2	27.7			G3/7500
FVH (80°-90°)	122.6	0.5			G2/225
BL (0°-30°)	456.8	1.7	B1/500		
BM (30°-60°)	1057.1	3.9	B2/2500		
BH (60°-80°)	456.7	1.7	B1/500		G1/500
BVH (80°-90°)	2.3	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-G3**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4
2.5°	4281.4	4308.0	4269.7	4196.5	4086.6	4015.0	3840.1	3675.2	3492.1	3433.8
5°	5218.9	5242.2	5199.0	5119.0	4972.5	4832.6	4602.8	4258.1	3900.0	3785.1
7.5°	5913.4	5926.7	5910.0	5836.7	5696.9	5538.7	5282.2	4874.2	4343.0	4216.4
10°	6412.9	6456.2	6451.2	6422.9	6329.7	6201.4	5928.3	5463.7	4839.3	4676.1
12.5°	6744.3	6792.6	6820.9	6884.2	6879.2	6797.6	6557.8	6066.6	5333.8	5142.3
15°	6840.9	6892.5	7000.8	7147.3	7277.2	7318.8	7150.6	6657.7	5878.4	5633.6
17.5°	6785.9	6865.9	6995.8	7227.2	7512.0	7700.2	7681.9	7228.9	6373.0	6093.2
20°	6907.5	6984.1	7085.7	7280.5	7611.9	7953.3	8089.9	7775.1	6864.2	6571.1
22.5°	7580.3	7567.0	7576.9	7608.6	7806.8	8144.8	8426.2	8271.4	7350.5	7050.7
25°	8646.0	8586.1	8484.5	8313.0	8263.0	8426.2	8719.3	8711.0	7863.4	7542.0
27.5°	9868.4	9858.4	9620.2	9207.2	8974.1	8910.8	9050.7	9139.0	8371.3	8028.2
30°	11039.0	11065.7	10744.3	10284.7	9856.7	9608.6	9482.0	9545.3	8887.5	8552.8
32.5°	12058.2	12086.5	11736.8	11198.9	10669.3	10369.6	10103.2	9946.6	9450.4	9085.7
35°	12919.1	12947.4	12546.1	11951.6	11387.1	11115.6	10814.2	10386.2	10016.6	9676.8
37.5°	13688.5	13680.1	13142.3	12542.8	11988.2	11773.4	11615.2	10927.5	10599.4	10271.3
40°	14143.1	14178.1	13718.4	13057.3	12519.5	12362.9	12352.9	11598.6	11272.2	10954.1
42.5°	14276.3	14337.9	14004.9	13462.0	12974.1	12804.2	13065.7	12324.6	12054.8	11745.1
45°	14036.5	14096.5	13944.9	13568.6	13283.8	13173.9	13678.5	13077.3	12890.8	12584.4
47.5°	13337.1	13412.0	13448.7	13368.7	13365.4	13477.0	14228.0	13870.0	13883.3	13570.2
50°	11983.2	12109.8	12446.2	12729.3	13167.2	13716.8	14762.6	14729.3	15002.4	14732.6
52.5°	9522.0	9701.8	10860.8	11635.2	12619.4	13671.8	15350.4	16108.1	16965.7	16571.0
55°	7651.9	7651.9	8594.4	10043.2	11550.3	13375.4	15606.8	17004.0	18302.9	18209.7
57.5°	6238.1	6313.0	6914.2	8194.8	10003.2	12669.3	15765.0	17566.9	19380.3	19312.1
60°	3850.1	4011.6	5147.3	6411.3	8243.1	11412.1	15665.1	18136.4	20687.6	20742.5
62.5°	2168.2	2228.1	2734.4	4612.8	6409.6	9721.8	14900.8	18454.4	22359.5	22592.6
65°	1497.1	1527.0	1721.9	2870.9	4442.9	7740.1	13407.0	18256.3	24034.7	24506.0
67.5°	1087.4	1102.4	1224.0	1753.5	2636.1	5611.9	11065.7	17257.1	24922.3	25710.0
70°	836.0	846.0	934.2	1152.4	1557.0	3463.7	8036.6	15270.5	24279.5	25220.4
72.5°	679.4	689.4	757.7	852.6	1032.5	2048.3	4870.9	12401.2	21441.9	22457.7
75°	572.9	586.2	647.8	709.4	809.3	1315.6	2284.7	8636.1	16124.7	16790.9
77.5°	318.1	293.1	526.2	587.8	682.8	832.6	1069.1	5082.4	9030.7	9215.6
80°	198.2	204.8	418.0	472.9	524.6	419.6	489.6	1956.7	3130.7	2974.2
82.5°	11.7	26.6	321.4	341.4	359.7	179.8	184.8	664.4	754.4	692.7
85°	0.0	0.0	146.5	118.2	124.9	51.6	53.3	154.9	101.6	109.9
87.5°	0.0	0.0	0.0	3.3	0.0	5.0	10.0	13.3	5.0	6.7
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°
3092.4	0°	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4	3092.4
3250.6	2.5°	3134.0	3017.5	2781.0	2549.5	2361.3	2186.5	2061.6	1943.4	1883.4	1880.1
3460.4	5°	3228.9	2984.2	2511.2	2093.2	1756.9	1487.1	1312.2	1187.3	1124.1	1102.4
3718.5	7.5°	3362.2	2994.1	2274.7	1693.6	1297.2	1065.8	965.9	925.9	912.6	897.6
4010.0	10°	3530.4	3017.5	2063.3	1363.9	1022.5	905.9	865.9	849.3	839.3	829.3
4338.0	12.5°	3718.5	3039.1	1853.4	1132.4	899.2	839.3	811.0	791.0	777.7	766.0
4674.4	15°	3901.7	3052.4	1635.3	970.8	836.0	787.7	757.7	736.0	717.7	704.4
5004.1	17.5°	4083.2	3070.7	1430.5	874.3	784.3	736.0	706.1	679.4	664.4	649.5
5350.5	20°	4284.7	3067.4	1237.3	806.0	732.7	684.4	652.8	627.8	612.8	596.2
5716.8	22.5°	4471.2	3050.8	1067.4	747.7	679.4	632.8	597.8	572.9	557.9	544.5
6091.5	25°	4686.1	3037.4	925.9	694.4	629.5	582.8	544.5	521.2	504.6	492.9
6467.9	27.5°	4892.5	3017.5	822.6	646.1	581.2	536.2	499.6	472.9	457.9	449.6
6855.9	30°	5095.7	3012.5	784.3	599.5	537.9	492.9	456.3	431.3	419.6	416.3
7282.2	32.5°	5340.5	3025.8	801.0	582.8	497.9	453.0	418.0	399.7	388.0	388.0
7756.8	35°	5601.9	3022.5	826.0	597.8	471.3	413.0	386.3	374.7	363.0	363.0
8283.0	37.5°	5930.0	3027.4	846.0	622.8	461.3	379.7	364.7	349.7	343.0	343.0
8859.2	40°	6419.6	3192.3	836.0	644.5	457.9	356.4	326.4	321.4	316.4	316.4
9510.3	42.5°	7019.1	3550.3	849.3	646.1	456.3	339.7	299.7	309.7	298.1	296.4
10244.7	45°	7675.2	3941.7	934.2	611.2	454.6	331.4	286.4	298.1	279.8	279.8
11095.7	47.5°	8326.3	4329.7	1020.8	561.2	449.6	329.7	274.8	268.1	263.1	264.8
12204.7	50°	9223.9	4646.1	1054.1	492.9	438.0	326.4	253.1	254.8	251.5	254.8
13768.4	52.5°	10201.4	4712.7	1014.1	416.3	404.7	316.4	238.1	244.8	243.1	246.5
14869.1	55°	10810.9	4641.1	837.6	346.4	353.0	276.4	223.1	236.5	236.5	236.5
15944.9	57.5°	11440.4	4336.3	594.5	281.4	293.1	226.5	209.8	228.1	226.5	224.8
17240.5	60°	11893.3	3843.4	391.3	231.5	233.1	186.5	194.8	214.8	213.2	204.8
18576.0	62.5°	12231.4	3298.9	251.5	196.5	178.2	168.2	178.2	194.8	188.2	169.9
19708.4	65°	12193.1	2544.5	193.2	168.2	146.5	146.5	154.9	169.9	149.9	119.9
19924.9	67.5°	11482.0	1721.9	159.9	141.5	123.2	121.6	128.2	141.5	128.2	101.6
18815.8	70°	10211.4	1125.7	128.2	109.9	98.3	89.9	103.2	121.6	108.2	81.6
16018.2	72.5°	8288.0	686.1	96.6	79.9	71.6	58.3	81.6	99.9	86.6	59.9
11138.9	75°	5362.1	349.7	66.6	51.6	38.3	35.0	59.9	74.9	59.9	36.6
4942.5	77.5°	2051.6	146.5	36.6	23.3	20.0	16.7	33.3	45.0	25.0	8.3
957.5	80°	394.7	61.6	18.3	11.7	10.0	6.7	5.0	3.3	0.0	0.0
169.9	82.5°	68.3	20.0	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0
33.3	85°	23.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11.7	87.5°	8.3	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>
3092.4
1876.8
1099.1
894.2
826.0
762.7
702.7
647.8
594.5
542.9
491.3
449.6
414.7
388.0
363.0
343.0
316.4
294.8
279.8
264.8
254.8
246.5
236.5
224.8
204.8
166.5
116.6
98.3
78.3
56.6
31.6
6.7
0.0
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