

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: P952088

Luminaire Tested: **GALN-SB6A-750-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952088
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-SB6A-750-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA 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: 24367 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

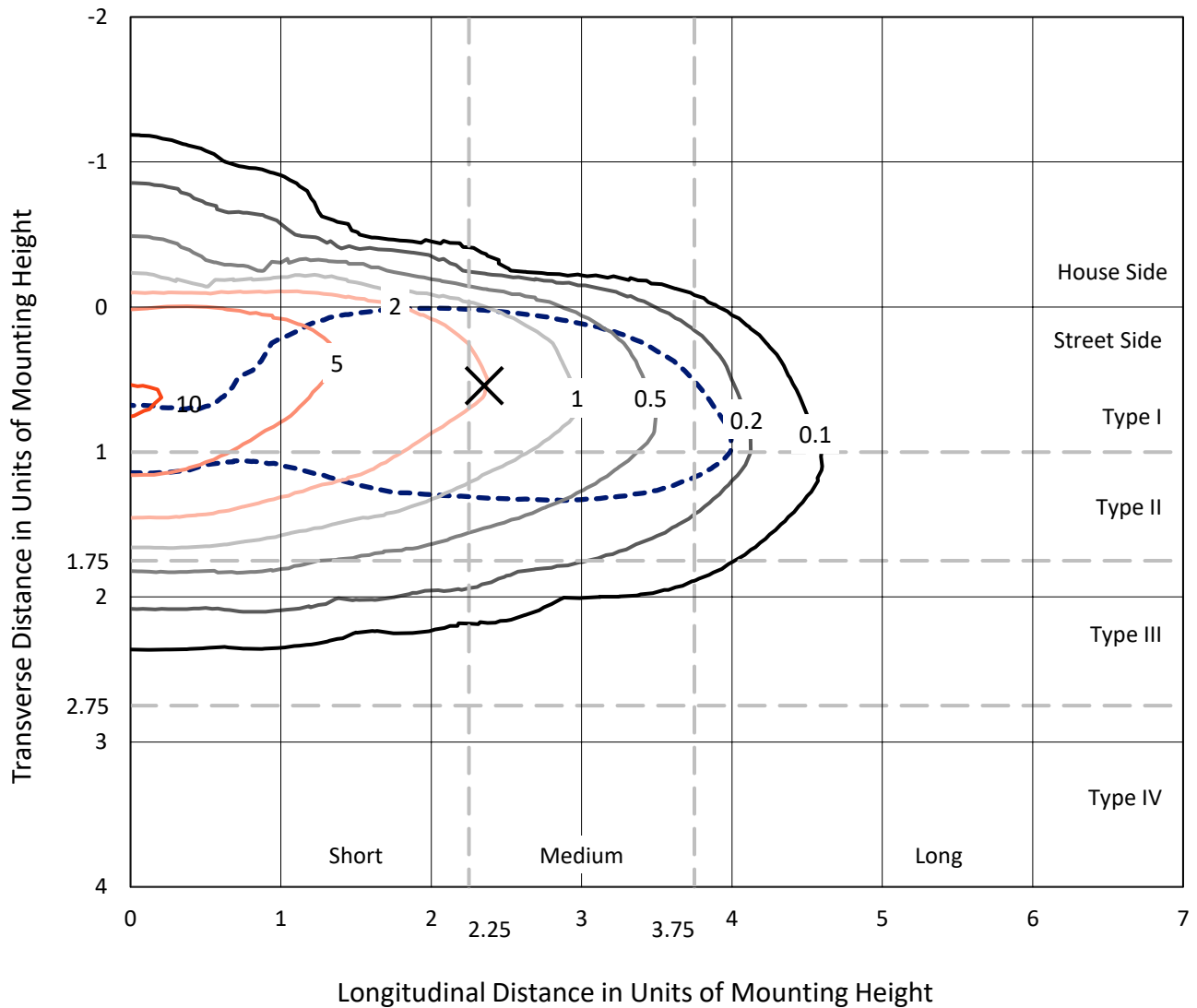
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952088
 CATALOG NUMBER: GALN-SB6A-750-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

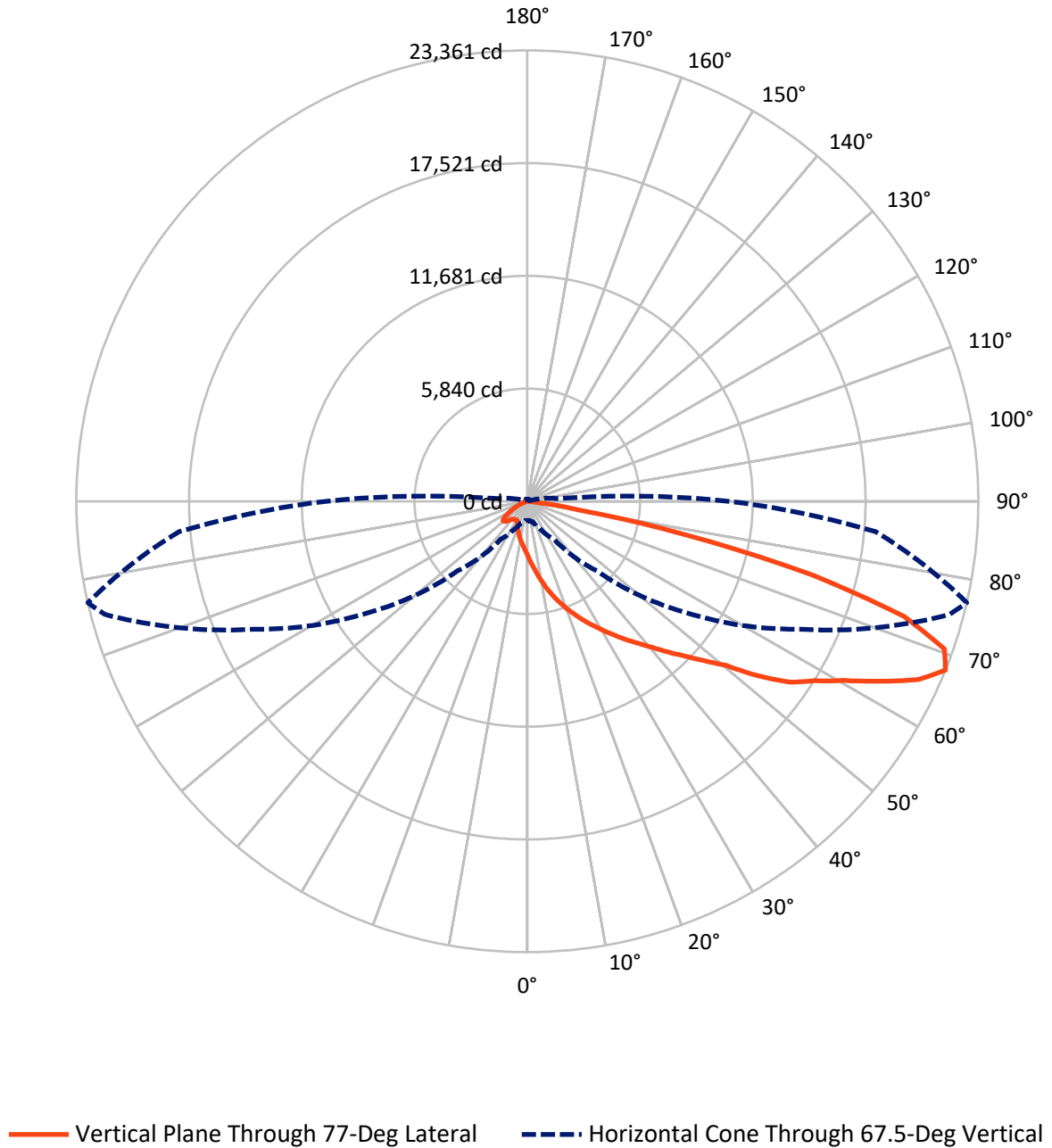
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P952088
CATALOG NUMBER: GALN-SB6A-750-U-T2R-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1792.7	0.0	1792.7
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	22574.3	0.0	22574.3
	% Fixture	92.6	0.0	92.6
Total	Lumens	24367.0	0.0	24367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.8	1.2
10°-20°	1004.3	4.1
20°-30°	1938.1	8.0
30°-40°	3364.6	13.8
40°-50°	4885.2	20.0
50°-60°	5610.0	23.0
60°-70°	4870.5	20.0
70°-80°	2294.1	9.4
80°-90°	113.4	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°	24367.0	100.0
0°-180°	24367.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952088

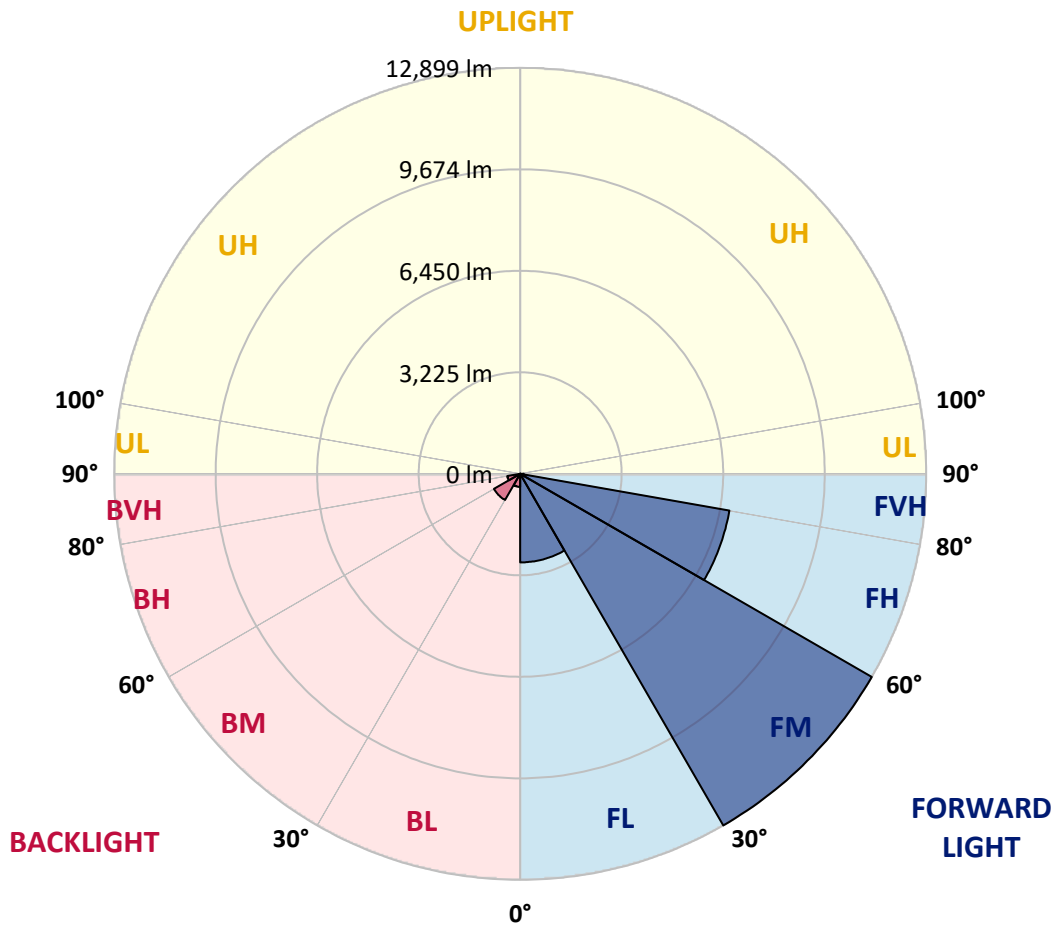
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2814.1	11.5			
FM (30°-60°)	12899.2	52.9			
FH (60°-80°)	6749.6	27.7			G3/7500
FVH (80°-90°)	111.4	0.5			G2/225
BL (0°-30°)	415.0	1.7	B1/500		
BM (30°-60°)	960.6	3.9	B1/1000		
BH (60°-80°)	415.0	1.7	B1/500		G1/500
BVH (80°-90°)	2.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



REPORT NUMBER: P952088
 CATALOG NUMBER: GALN-SB6A-750-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9
2.5°	3890.2	3914.5	3879.7	3813.1	3713.2	3648.1	3489.3	3339.5	3173.0	3120.1
5°	4742.1	4763.3	4724.0	4651.3	4518.2	4391.1	4182.3	3869.1	3543.7	3439.3
7.5°	5373.1	5385.2	5370.1	5303.5	5176.4	5032.7	4799.6	4428.9	3946.2	3831.2
10°	5827.0	5866.4	5861.8	5836.1	5751.4	5634.9	5386.7	4964.6	4397.1	4248.9
12.5°	6128.2	6172.0	6197.8	6255.3	6250.7	6176.6	5958.7	5512.3	4846.5	4672.5
15°	6215.9	6262.8	6361.2	6494.3	6612.4	6650.2	6497.4	6049.5	5341.3	5118.9
17.5°	6166.0	6238.6	6356.6	6567.0	6825.7	6996.7	6980.0	6568.5	5790.7	5536.5
20°	6276.4	6346.0	6438.3	6615.4	6916.5	7226.7	7350.8	7064.8	6237.1	5970.8
22.5°	6887.7	6875.6	6884.7	6913.5	7093.5	7400.7	7656.4	7515.7	6678.9	6406.6
25°	7856.1	7801.7	7709.4	7553.5	7508.1	7656.4	7922.7	7915.2	7145.0	6852.9
27.5°	8966.8	8957.7	8741.3	8366.1	8154.2	8096.7	8223.8	8304.0	7606.5	7294.8
30°	10030.5	10054.7	9762.7	9345.1	8956.2	8730.7	8615.7	8673.2	8075.5	7771.4
32.5°	10956.5	10982.3	10664.5	10175.8	9694.6	9422.2	9180.1	9037.9	8587.0	8255.6
35°	11738.8	11764.5	11399.9	10859.7	10346.7	10100.1	9826.2	9437.4	9101.4	8792.8
37.5°	12437.9	12430.3	11941.6	11396.9	10893.0	10697.8	10554.0	9929.1	9631.0	9333.0
40°	12851.0	12882.7	12465.1	11864.4	11375.7	11233.4	11224.4	10538.9	10242.3	9953.3
42.5°	12972.0	13028.0	12725.4	12232.1	11788.8	11634.4	11872.0	11198.6	10953.5	10672.1
45°	12754.1	12808.6	12670.9	12328.9	12070.2	11970.3	12428.8	11882.6	11713.1	11434.7
47.5°	12118.6	12186.7	12220.0	12147.4	12144.3	12245.7	12928.1	12602.8	12614.9	12330.5
50°	10888.4	11003.4	11309.1	11566.3	11964.3	12463.6	13413.9	13383.6	13631.7	13386.6
52.5°	8652.0	8815.5	9868.6	10572.2	11466.5	12422.8	13948.0	14636.5	15415.7	15057.1
55°	6952.8	6952.8	7809.2	9125.7	10495.0	12153.4	14181.0	15450.5	16630.8	16546.0
57.5°	5668.2	5736.3	6282.5	7446.1	9089.3	11511.9	14324.8	15962.0	17609.7	17547.7
60°	3498.3	3645.1	4677.1	5825.5	7490.0	10369.4	14234.0	16479.4	18797.6	18847.5
62.5°	1970.1	2024.6	2484.6	4191.4	5824.0	8833.6	13539.4	16768.5	20316.7	20528.6
65°	1360.3	1387.5	1564.6	2608.6	4037.0	7033.0	12182.2	16588.4	21838.9	22267.1
67.5°	988.1	1001.7	1112.1	1593.3	2395.3	5099.2	10054.7	15680.5	22645.4	23361.1
70°	759.6	768.7	848.9	1047.1	1414.8	3147.3	7302.3	13875.4	22061.4	22916.3
72.5°	617.4	626.4	688.5	774.7	938.1	1861.1	4425.9	11268.2	19483.0	20406.0
75°	520.5	532.6	588.6	644.6	735.4	1195.4	2076.0	7847.1	14651.6	15256.8
77.5°	289.0	266.3	478.1	534.1	620.4	756.6	971.4	4618.1	8205.7	8373.6
80°	180.1	186.1	379.8	429.7	476.6	381.3	444.9	1777.9	2844.7	2702.4
82.5°	10.6	24.2	292.0	310.2	326.8	163.4	168.0	603.7	685.4	629.5
85°	0.0	0.0	133.2	107.4	113.5	46.9	48.4	140.7	92.3	99.9
87.5°	0.0	0.0	0.0	3.0	0.0	4.5	9.1	12.1	4.5	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952088
 CATALOG NUMBER: GALN-SB6A-750-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2809.9	0°	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9	2809.9
2953.6	2.5°	2847.7	2741.8	2526.9	2316.6	2145.6	1986.7	1873.2	1765.8	1711.3	1708.3
3144.3	5°	2933.9	2711.5	2281.8	1902.0	1596.3	1351.2	1192.3	1078.9	1021.4	1001.7
3378.8	7.5°	3055.0	2720.6	2066.9	1538.8	1178.7	968.4	877.6	841.3	829.2	815.6
3643.6	10°	3207.8	2741.8	1874.8	1239.2	929.1	823.1	786.8	771.7	762.6	753.5
3941.7	12.5°	3378.8	2761.5	1684.1	1028.9	817.1	762.6	736.9	718.7	706.6	696.0
4247.3	15°	3545.3	2773.6	1485.9	882.2	759.6	715.7	688.5	668.8	652.2	640.1
4546.9	17.5°	3710.2	2790.2	1299.8	794.4	712.7	668.8	641.6	617.4	603.7	590.1
4861.7	20°	3893.3	2787.2	1124.3	732.4	665.8	621.9	593.1	570.4	556.8	541.7
5194.6	22.5°	4062.7	2772.0	969.9	679.4	617.4	575.0	543.2	520.5	506.9	494.8
5535.0	25°	4257.9	2759.9	841.3	631.0	572.0	529.6	494.8	473.6	458.5	447.9
5877.0	27.5°	4445.6	2741.8	747.5	587.1	528.1	487.2	453.9	429.7	416.1	408.5
6229.5	30°	4630.2	2737.2	712.7	544.7	488.7	447.9	414.6	391.9	381.3	378.3
6616.9	32.5°	4852.6	2749.3	727.8	529.6	452.4	411.6	379.8	363.2	352.6	352.6
7048.1	35°	5090.2	2746.3	750.5	543.2	428.2	375.3	351.0	340.5	329.9	329.9
7526.3	37.5°	5388.2	2750.9	768.7	565.9	419.1	345.0	331.4	317.8	311.7	311.7
8049.8	40°	5833.1	2900.7	759.6	585.6	416.1	323.8	296.6	292.0	287.5	287.5
8641.5	42.5°	6377.8	3226.0	771.7	587.1	414.6	308.7	272.4	281.4	270.8	269.3
9308.7	45°	6974.0	3581.6	848.9	555.3	413.1	301.1	260.3	270.8	254.2	254.2
10082.0	47.5°	7565.6	3934.1	927.5	509.9	408.5	299.6	249.7	243.6	239.1	240.6
11089.7	50°	8381.2	4221.6	957.8	447.9	398.0	296.6	230.0	231.5	228.5	231.5
12510.5	52.5°	9269.4	4282.1	921.5	378.3	367.7	287.5	216.4	222.4	220.9	223.9
13510.7	55°	9823.2	4217.1	761.1	314.7	320.8	251.2	202.8	214.9	214.9	214.9
14488.2	57.5°	10395.2	3940.2	540.2	255.7	266.3	205.8	190.7	207.3	205.8	204.3
15665.4	60°	10806.7	3492.3	355.6	210.3	211.8	169.5	177.0	195.2	193.7	186.1
16878.9	62.5°	11113.9	2997.5	228.5	178.5	161.9	152.8	161.9	177.0	171.0	154.3
17907.8	65°	11079.1	2312.1	175.5	152.8	133.2	133.2	140.7	154.3	136.2	108.9
18104.5	67.5°	10433.0	1564.6	145.3	128.6	112.0	110.5	116.5	128.6	116.5	92.3
17096.8	70°	9278.5	1022.9	116.5	99.9	89.3	81.7	93.8	110.5	98.4	74.1
14554.8	72.5°	7530.8	623.4	87.8	72.6	65.1	53.0	74.1	90.8	78.7	54.5
10121.3	75°	4872.3	317.8	60.5	46.9	34.8	31.8	54.5	68.1	54.5	33.3
4491.0	77.5°	1864.2	133.2	33.3	21.2	18.2	15.1	30.3	40.9	22.7	7.6
870.0	80°	358.6	56.0	16.6	10.6	9.1	6.1	4.5	3.0	0.0	0.0
154.3	82.5°	62.0	18.2	6.1	3.0	0.0	0.0	0.0	0.0	0.0	0.0
30.3	85°	21.2	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.6	87.5°	7.6	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>
2809.9
1705.3
998.7
812.5
750.5
693.0
638.5
588.6
540.2
493.3
446.4
408.5
376.8
352.6
329.9
311.7
287.5
267.8
254.2
240.6
231.5
223.9
214.9
204.3
186.1
151.3
105.9
89.3
71.1
51.4
28.7
6.1
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