

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: P942378

Luminaire Tested: **GALN-SB6B-835-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942378
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-SB6B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA 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: 23981 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

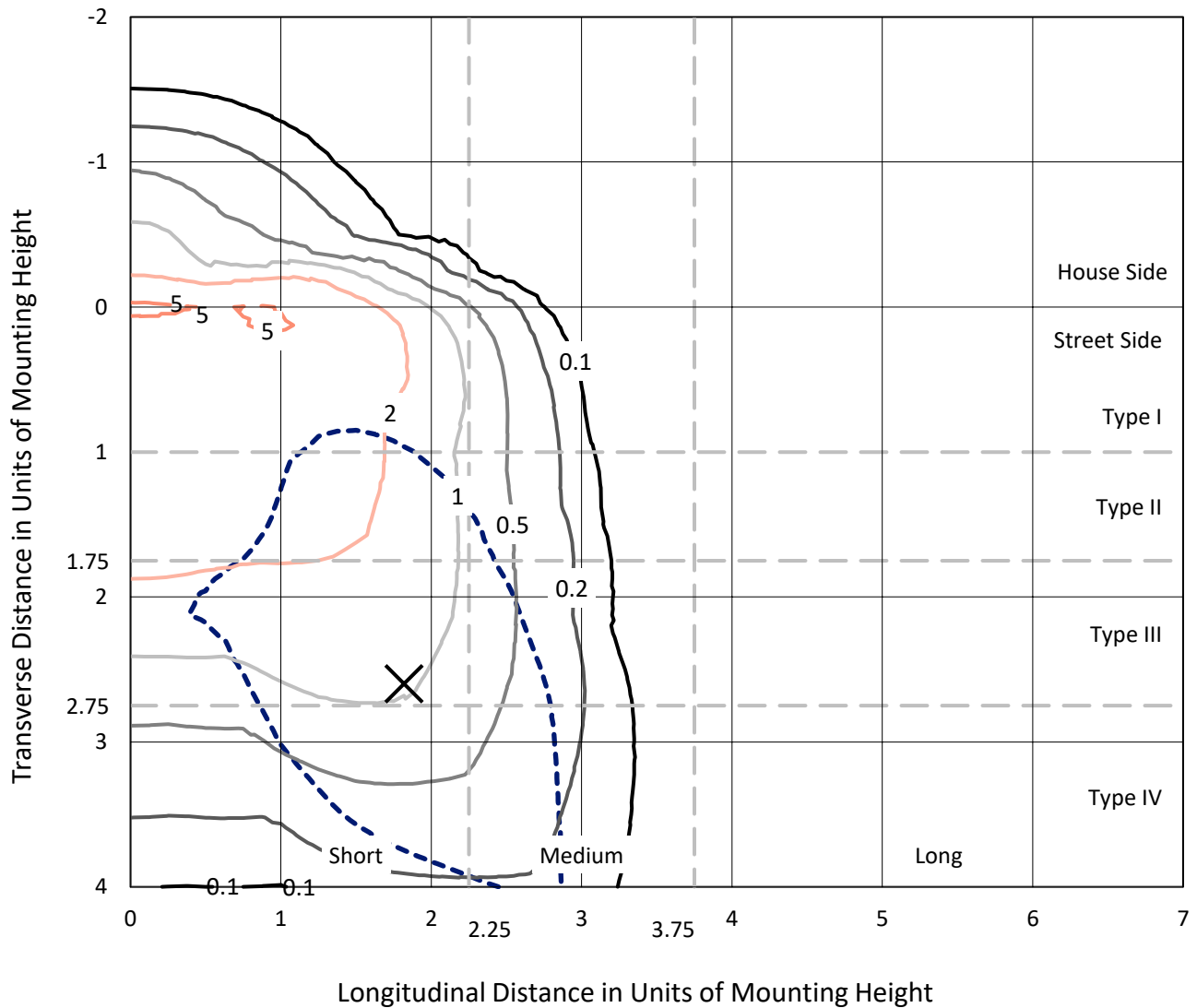
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

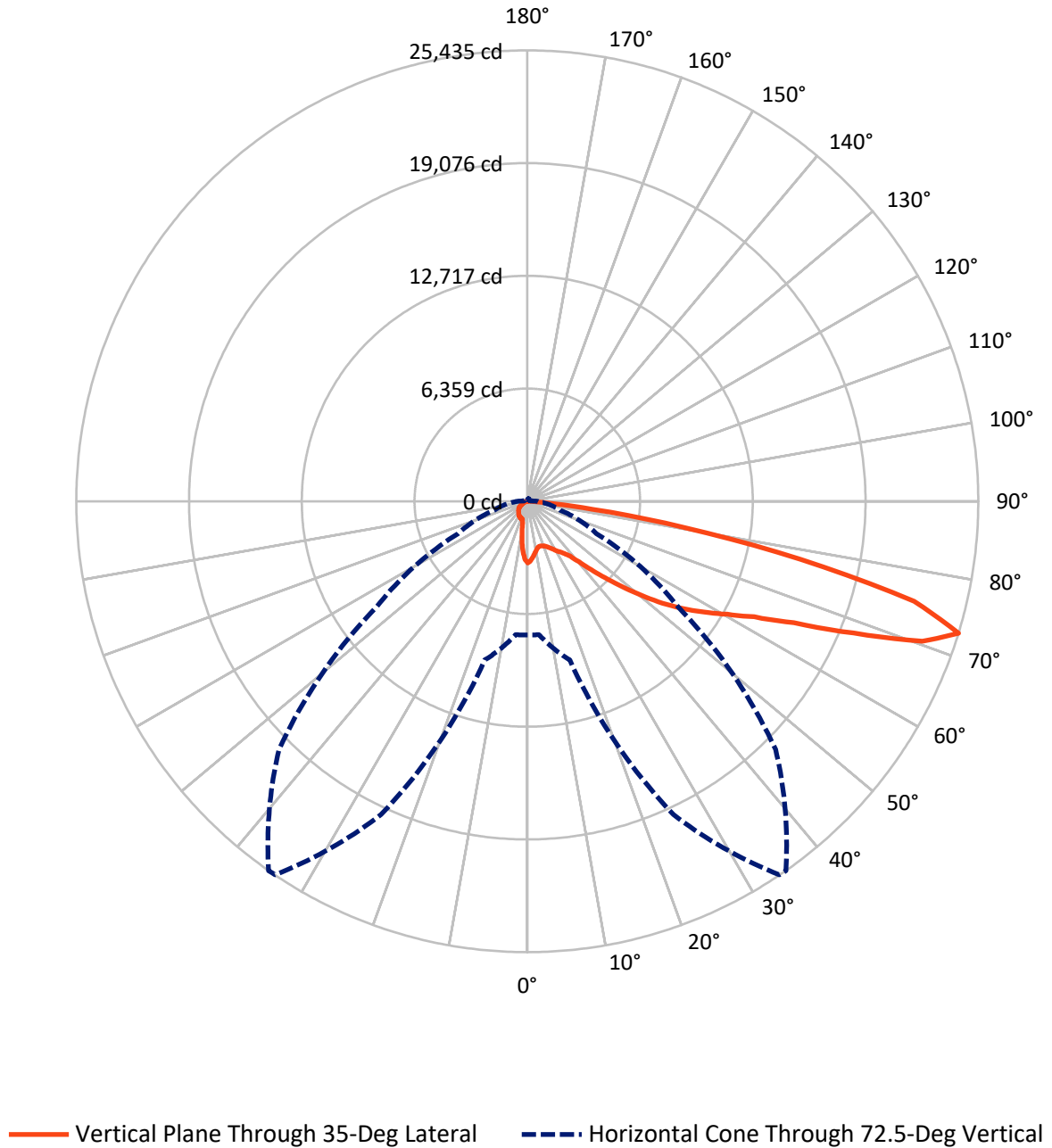
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2698.9	0.0	2698.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21282.0	0.0	21282.0
	% Fixture	88.7	0.0	88.7
Total	Lumens	23981.0	0.0	23981.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.6	1.2
10°-20°	668.1	2.8
20°-30°	1085.4	4.5
30°-40°	1810.9	7.6
40°-50°	3426.3	14.3
50°-60°	5444.4	22.7
60°-70°	6735.2	28.1
70°-80°	4186.6	17.5
80°-90°	338.3	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°	23981.0	100.0
0°-180°	23981.0	100.0

Coefficient of Utilization



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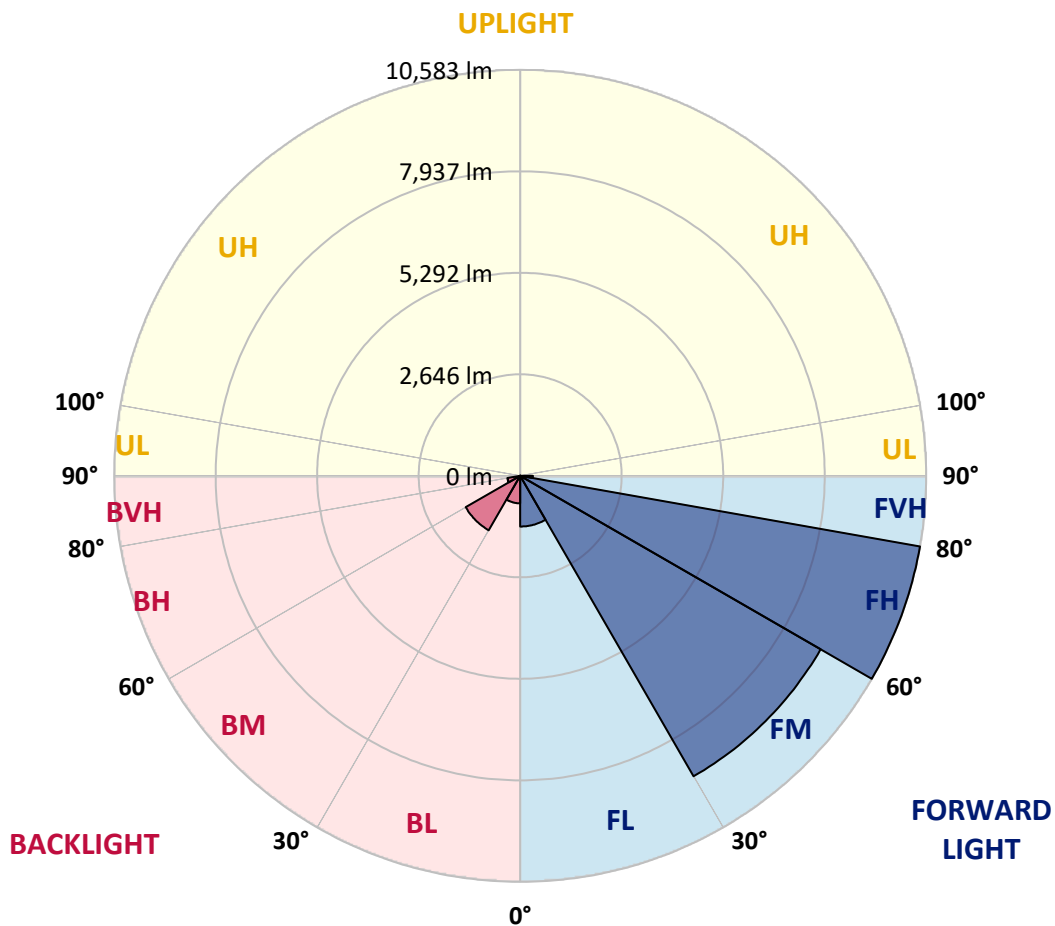
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1322.0	5.5			
FM (30°-60°)	9043.2	37.7			
FH (60°-80°)	10583.1	44.1			G4/12000
FVH (80°-90°)	333.7	1.4			G3/500
BL (0°-30°)	717.2	3.0	B2/1000		
BM (30°-60°)	1638.5	6.8	B2/2500		
BH (60°-80°)	338.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.6	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7
2.5°	3321.0	3349.1	3354.4	3363.2	3363.2	3373.7	3391.3	3415.9	3456.3	3477.4
5°	3061.0	3082.0	3108.4	3129.5	3169.9	3175.2	3243.7	3310.5	3403.6	3473.9
7.5°	2799.1	2823.7	2858.9	2909.8	2962.6	2978.4	3082.0	3194.5	3342.1	3473.9
10°	2614.6	2616.4	2648.0	2699.0	2783.3	2802.7	2929.2	3089.1	3273.6	3452.8
12.5°	2511.0	2523.3	2537.3	2576.0	2656.8	2669.1	2804.4	2992.4	3205.0	3440.5
15°	2511.0	2519.8	2528.5	2547.9	2612.9	2623.4	2742.9	2930.9	3169.9	3445.8
17.5°	2537.3	2551.4	2544.4	2567.2	2635.7	2642.8	2748.2	2913.4	3168.1	3479.2
20°	2600.6	2611.1	2597.1	2611.1	2679.7	2693.7	2802.7	2946.7	3198.0	3537.2
22.5°	2700.7	2706.0	2672.6	2683.2	2753.5	2771.0	2897.5	3041.6	3270.1	3630.3
25°	2827.3	2837.8	2786.8	2799.1	2865.9	2887.0	3032.8	3184.0	3384.3	3758.6
27.5°	2973.1	2978.4	2934.4	2932.7	3018.8	3048.7	3196.3	3359.7	3537.2	3920.2
30°	3140.0	3155.8	3113.7	3106.6	3215.6	3240.2	3386.0	3575.8	3762.1	4162.7
32.5°	3271.8	3284.1	3259.5	3277.1	3387.8	3407.1	3616.2	3881.6	4115.3	4507.1
35°	3461.6	3468.6	3412.4	3444.0	3570.5	3619.7	3930.8	4310.3	4559.8	4939.4
37.5°	4148.6	4148.6	3909.7	3753.3	3874.5	3918.5	4361.3	4849.7	5108.0	5519.2
40°	5099.3	5083.4	4733.8	4414.0	4398.2	4484.3	4974.5	5529.8	5816.2	6215.1
42.5°	6113.1	6088.5	5612.4	5296.1	5243.3	5273.2	5682.6	6367.9	6659.6	7063.8
45°	7012.8	7005.8	6570.0	6144.8	6049.9	6144.8	6566.5	7348.4	7557.5	7982.8
47.5°	7766.6	7766.6	7448.6	7170.9	7121.7	7178.0	7763.1	8436.1	8416.8	8961.5
50°	8634.7	8627.6	8325.4	8205.9	8256.9	8335.9	9140.7	9581.8	9305.9	9922.6
52.5°	9242.6	9284.8	9181.1	9161.8	9421.9	9558.9	10539.4	10702.8	10101.9	10834.6
55°	9724.1	9773.3	9892.8	10028.1	10528.9	10708.1	11894.2	11765.9	10767.8	11625.3
57.5°	10405.9	10335.6	10520.1	10787.2	11597.2	11813.3	13206.8	12769.2	11303.8	12266.7
60°	11233.5	11244.0	11275.7	11613.0	12663.8	12941.4	14500.0	13718.1	11648.2	12660.3
62.5°	12228.0	12243.9	12308.9	12827.2	14095.9	14357.7	15877.6	14494.8	11806.3	12549.6
65°	12159.5	12226.3	12952.0	14725.0	16273.0	16531.3	17485.4	15039.5	11567.3	11537.5
67.5°	11077.1	11186.0	12400.2	16991.7	19555.4	19843.5	19428.9	15146.7	10535.9	8972.0
70°	9657.3	9696.0	11156.2	19030.0	23356.1	23647.8	21168.4	13967.6	7995.1	5004.4
72.5°	7541.7	7550.5	9263.7	19502.7	25419.0	25434.8	19803.1	10369.0	4299.8	1922.3
75°	5387.4	5334.7	6204.5	15816.1	22363.3	22542.5	14846.2	4863.8	1642.9	908.4
77.5°	2888.8	2946.7	3510.8	9379.7	15448.9	15754.6	8100.5	1402.2	836.4	618.5
80°	892.6	941.8	1439.1	4294.5	8750.6	8935.1	3003.0	623.8	583.4	441.0
82.5°	281.1	291.7	671.2	1804.6	3632.0	3716.4	869.8	353.2	398.9	291.7
85°	80.8	82.6	298.7	673.0	897.9	915.5	244.2	137.1	228.4	181.0
87.5°	8.8	28.1	112.5	112.5	79.1	77.3	26.4	29.9	65.0	22.8
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°
3475.7	0°	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7	3475.7
3491.5	2.5°	3482.7	3484.4	3461.6	3422.9	3380.8	3345.6	3301.7	3266.5	3241.9	3234.9
3523.1	5°	3507.3	3495.0	3430.0	3312.2	3171.7	3050.4	2915.1	2807.9	2737.6	2707.8
3556.5	7.5°	3544.2	3509.0	3366.7	3134.8	2865.9	2626.9	2384.5	2196.4	2077.0	2017.2
3588.1	10°	3575.8	3505.5	3261.3	2878.2	2467.0	2105.1	1778.2	1551.6	1425.1	1365.3
3625.0	12.5°	3605.7	3503.8	3124.2	2574.2	2017.2	1574.4	1270.4	1158.0	1122.8	1110.5
3684.8	15°	3661.9	3509.0	2952.0	2226.3	1569.1	1189.6	1078.9	1077.1	1084.2	1080.6
3776.1	17.5°	3739.2	3514.3	2757.0	1857.3	1210.7	1049.0	1043.7	1059.6	1070.1	1064.8
3890.3	20°	3839.4	3535.4	2549.6	1491.8	1040.2	1013.9	1026.2	1040.2	1049.0	1040.2
4043.2	22.5°	3980.0	3572.3	2323.0	1198.4	985.8	992.8	1003.3	1019.1	1027.9	1015.6
4238.3	25°	4152.2	3630.3	2099.8	1042.0	959.4	968.2	984.0	1001.6	1012.1	999.8
4484.3	27.5°	4375.3	3723.4	1894.2	1006.8	933.0	938.3	961.2	987.5	1001.6	985.8
4833.9	30°	4698.6	3876.3	1716.7	1022.7	917.2	904.9	936.6	973.5	989.3	975.2
5310.1	32.5°	5127.4	4092.4	1607.8	1047.3	910.2	866.3	896.1	943.6	969.9	961.2
5932.2	35°	5689.7	4421.0	1565.6	1075.4	904.9	825.9	846.9	897.9	943.6	952.4
6715.8	37.5°	6371.4	4877.9	1577.9	1087.7	889.1	792.5	803.0	846.9	906.7	934.8
7597.9	40°	7146.3	5410.3	1648.2	1075.4	871.5	764.4	766.1	799.5	852.2	894.4
8546.8	42.5°	7945.9	6032.3	1778.2	1029.7	855.7	739.8	734.5	757.3	792.5	822.3
9493.9	45°	8706.7	6671.9	1906.5	966.4	836.4	715.2	702.9	711.6	718.7	731.0
10416.4	47.5°	9370.9	7121.7	1869.6	908.4	810.0	687.0	666.0	662.4	641.4	639.6
11240.5	50°	9829.5	7220.1	1660.5	850.5	771.4	655.4	622.0	600.9	564.0	546.5
11857.3	52.5°	9975.4	6831.8	1356.5	792.5	708.1	613.2	565.8	532.4	486.7	470.9
12212.2	55°	9782.1	6071.0	1084.2	722.2	620.3	557.0	504.3	460.4	423.5	404.1
12250.9	57.5°	9309.4	5102.8	857.5	639.6	527.1	493.8	441.0	397.1	365.5	346.2
11822.1	60°	8525.7	4052.0	678.3	541.2	449.8	425.2	370.8	342.6	314.5	291.7
10715.1	62.5°	7336.1	2892.3	532.4	428.7	376.0	347.9	316.3	295.2	261.8	230.2
8724.3	65°	5724.8	1769.5	411.2	314.5	302.2	288.2	268.8	249.5	209.1	177.5
5691.4	67.5°	3611.0	838.2	293.4	237.2	239.0	231.9	223.2	207.3	177.5	149.4
2549.6	70°	1590.2	405.9	193.3	181.0	177.5	177.5	184.5	179.2	151.1	124.8
885.6	72.5°	541.2	217.9	144.1	137.1	128.3	126.5	154.6	149.4	121.2	96.6
441.0	75°	282.9	145.8	105.4	98.4	77.3	93.1	123.0	116.0	86.1	63.3
291.7	77.5°	184.5	103.7	72.0	63.3	43.9	61.5	91.4	80.8	51.0	31.6
191.5	80°	116.0	68.5	42.2	29.9	21.1	33.4	49.2	35.1	19.3	7.0
112.5	82.5°	61.5	35.1	15.8	10.5	8.8	10.5	12.3	8.8	3.5	0.0
58.0	85°	24.6	12.3	5.3	3.5	1.8	0.0	3.5	1.8	0.0	0.0
10.5	87.5°	8.8	1.8	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>
3475.7
3247.2
2718.3
2026.0
1367.1
1107.0
1078.9
1063.1
1038.5
1013.9
998.1
985.8
973.5
961.2
952.4
941.8
908.4
834.6
738.0
637.8
548.2
469.2
404.1
342.6
286.4
224.9
172.2
145.8
119.5
91.4
58.0
28.1
5.3
0.0
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