

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: P951045

Luminaire Tested: **GALN-SB5B-760-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951045
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-760-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30035 lumens
Efficiency: N/A
Efficacy: 164.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

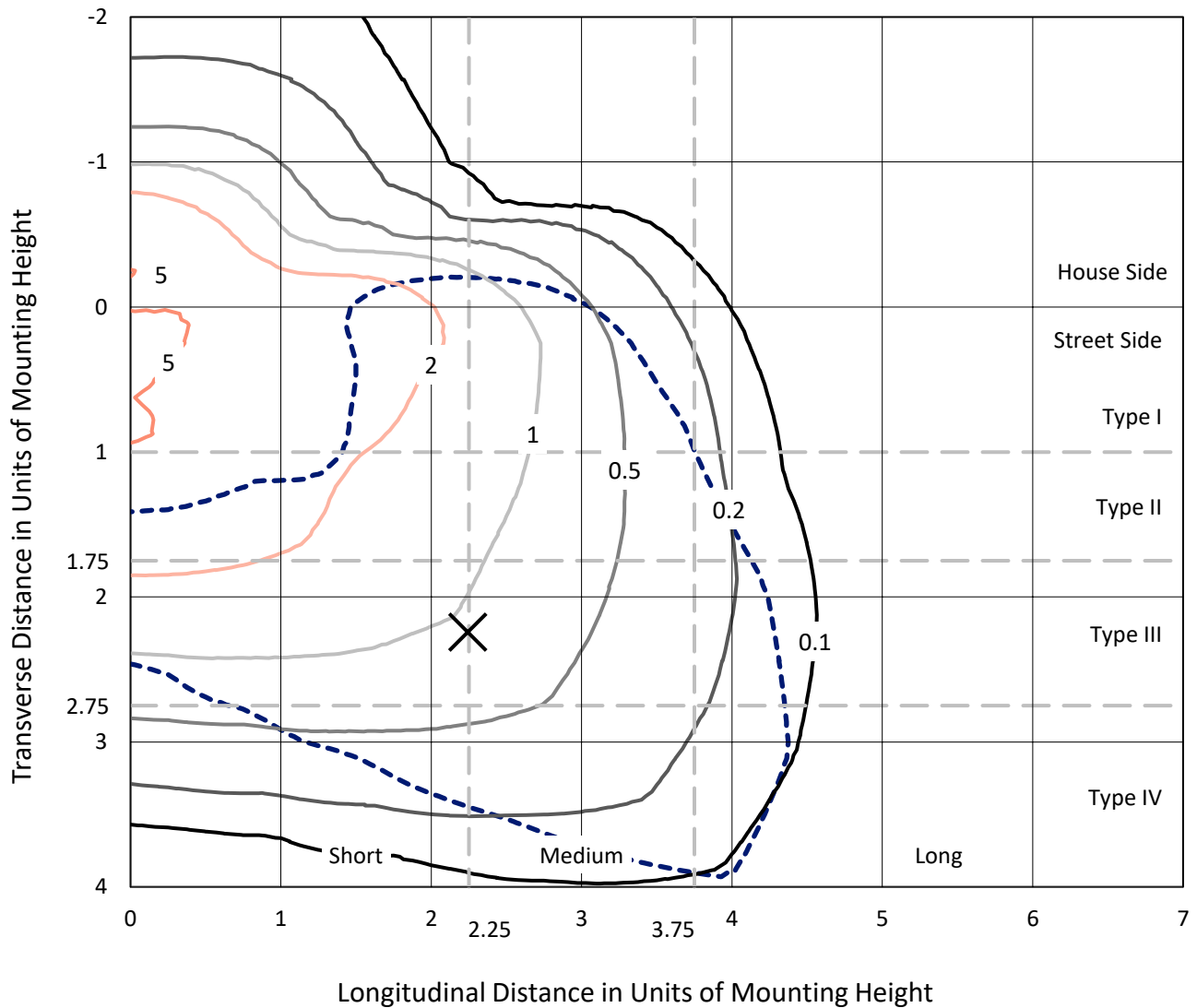
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

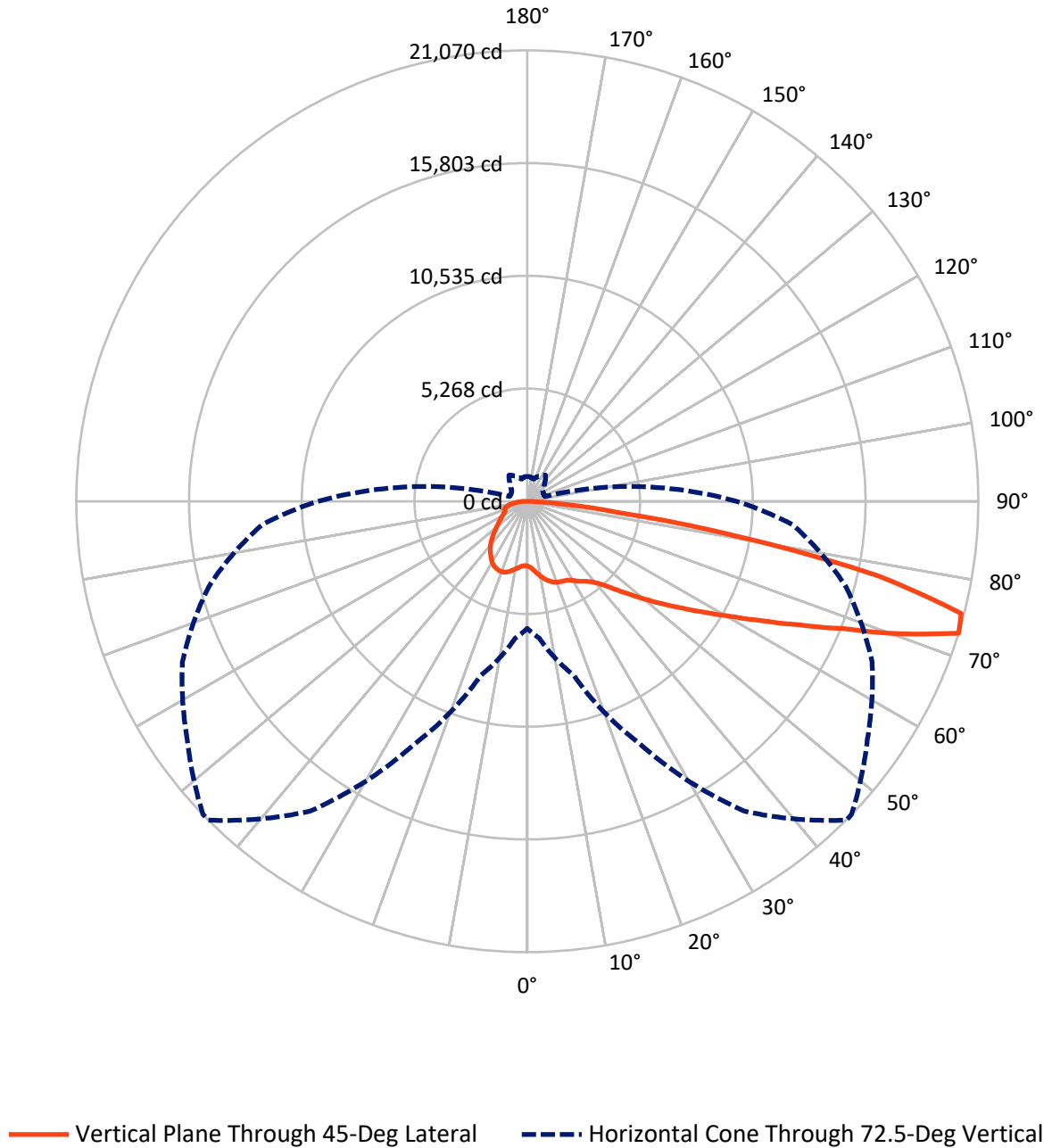
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	6789.9	0.0	6789.9
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	23245.1	0.0	23245.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	30035.0	0.0	30035.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.4	1.0
10°-20°	1028.2	3.4
20°-30°	1788.6	6.0
30°-40°	2564.1	8.5
40°-50°	3610.4	12.0
50°-60°	5530.1	18.4
60°-70°	8011.1	26.7
70°-80°	6397.3	21.3
80°-90°	796.8	2.7
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°	30035.0	100.0
0°-180°	30035.0	100.0



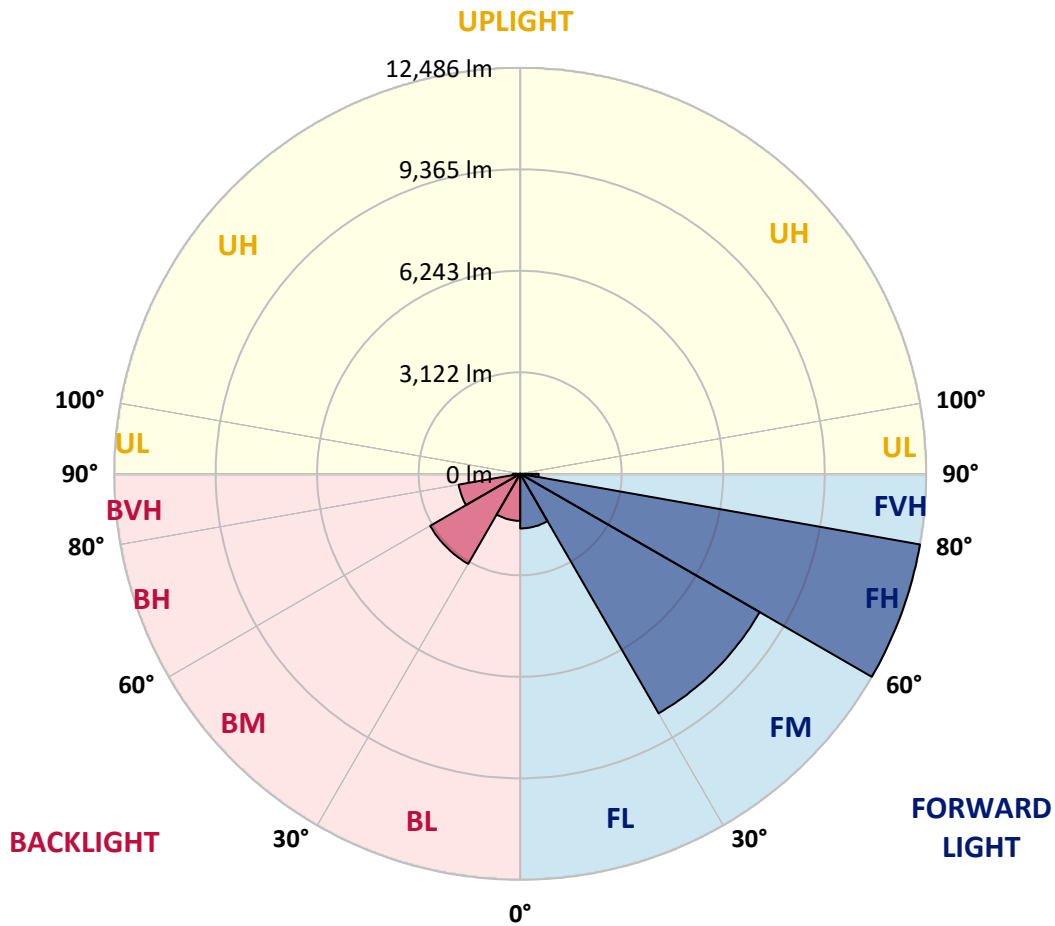
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1679.6	5.6			
FM (30°-60°)	8507.5	28.3			
FH (60°-80°)	12486.4	41.6			G5
FVH (80°-90°)	571.6	1.9			G4/750
BL (0°-30°)	1445.6	4.8	B3/2500		
BM (30°-60°)	3197.1	10.6	B3/5000		
BH (60°-80°)	1922.0	6.4	B3/2500		G3/2500
BVH (80°-90°)	225.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9
2.5°	3148.6	3169.2	3150.2	3132.8	3124.9	3104.3	3102.7	3090.1	3082.2	3060.0
5°	3368.5	3395.4	3363.8	3329.0	3297.3	3246.7	3240.4	3204.0	3162.9	3115.4
7.5°	3616.9	3640.7	3604.3	3552.1	3496.7	3412.8	3411.3	3344.8	3279.9	3199.2
10°	3833.7	3865.4	3816.3	3745.1	3675.5	3580.6	3569.5	3493.5	3411.3	3306.8
12.5°	4025.2	4047.3	3999.8	3912.8	3832.1	3737.2	3723.0	3639.1	3547.3	3428.7
15°	4177.1	4205.5	4142.2	4048.9	3963.5	3870.1	3857.4	3781.5	3689.7	3564.7
17.5°	4276.7	4300.5	4235.6	4131.2	4048.9	3971.4	3961.9	3898.6	3817.9	3691.3
20°	4314.7	4340.0	4272.0	4166.0	4090.0	4029.9	4025.2	3979.3	3923.9	3808.4
22.5°	4352.7	4376.4	4287.8	4177.1	4110.6	4072.6	4071.0	4041.0	4018.8	3923.9
25°	4506.2	4512.5	4393.8	4234.0	4139.1	4105.9	4104.3	4102.7	4112.2	4037.8
27.5°	4639.1	4637.5	4536.2	4385.9	4238.8	4169.1	4167.6	4183.4	4213.4	4151.7
30°	4833.7	4816.3	4696.0	4539.4	4404.9	4297.3	4287.8	4273.6	4297.3	4248.3
32.5°	5246.6	5191.3	4996.6	4718.2	4542.5	4460.3	4447.6	4359.0	4368.5	4338.4
35°	5838.4	5765.6	5506.1	5056.8	4713.4	4596.3	4590.0	4477.7	4458.7	4431.8
37.5°	6542.5	6452.3	6150.1	5547.3	5007.7	4754.6	4745.1	4643.8	4566.3	4537.8
40°	7249.7	7135.8	6885.8	6145.3	5441.2	5018.8	4988.7	4835.3	4746.7	4699.2
42.5°	7936.4	7841.5	7627.9	6816.2	5976.0	5404.9	5338.4	5075.8	5009.3	4965.0
45°	8544.0	8458.5	8301.9	7532.9	6602.6	5930.2	5865.3	5436.5	5415.9	5415.9
47.5°	9037.6	9018.6	8852.5	8263.9	7341.5	6528.2	6415.9	5938.1	5993.4	6078.9
50°	9585.1	9532.9	9355.7	8983.8	8210.1	7213.3	7121.6	6553.5	6760.8	6995.0
52.5°	10088.2	10116.7	9918.9	9733.8	9191.1	7977.5	7816.2	7279.8	7727.6	8115.2
55°	10605.6	10607.2	10551.8	10526.5	10219.5	8822.4	8645.2	8153.2	8865.2	9346.2
57.5°	11091.3	11094.5	11176.8	11399.9	11412.5	9797.1	9596.2	9225.9	10129.4	10619.8
60°	11524.9	11547.0	11771.7	12293.8	12461.5	10914.1	10724.3	10493.3	11436.3	11929.9
62.5°	11670.4	11751.1	12251.1	12993.2	13497.9	12284.3	12097.6	11960.0	12809.6	13268.5
65°	11423.6	11608.7	12575.5	13570.7	14564.3	13912.4	13727.3	13577.0	14236.8	14668.7
67.5°	10817.6	11056.5	12556.5	14176.7	15858.6	15871.2	15698.8	15345.9	15766.8	15932.9
70°	9221.2	9578.7	11450.5	14402.9	17344.3	18549.9	18383.8	17475.6	17293.6	16489.9
72.5°	5941.2	6422.2	8431.6	12540.7	17675.0	21070.4	21060.9	19398.0	17776.2	15407.6
75°	2167.6	2461.9	3917.6	7871.5	14836.5	20942.2	21003.9	19068.9	16227.2	11901.4
77.5°	789.5	863.9	1278.4	3025.2	9124.6	16803.2	16931.3	15244.7	11550.2	5972.9
80°	414.5	455.7	655.0	1174.0	3909.7	9979.0	10180.0	9059.8	5428.6	1799.0
82.5°	229.4	248.4	367.1	637.6	1761.0	4267.2	4387.5	3579.0	1909.7	762.6
85°	123.4	131.3	172.5	348.1	860.7	1479.4	1512.6	1069.6	761.0	447.8
87.5°	36.4	44.3	57.0	110.8	337.0	332.3	340.2	212.0	300.6	226.3
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°
3029.9	0°	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9	3029.9
3053.7	2.5°	3044.2	3039.4	3022.0	3014.1	3004.6	3003.0	3011.0	3012.5	3014.1	3015.7
3088.5	5°	3072.7	3056.8	3041.0	3031.5	3034.7	3036.3	3052.1	3063.2	3071.1	3077.4
3153.4	7.5°	3128.0	3115.4	3088.5	3086.9	3091.7	3105.9	3126.5	3151.8	3166.0	3177.1
3237.2	10°	3210.3	3186.6	3154.9	3159.7	3169.2	3189.8	3232.5	3253.0	3276.8	3297.3
3340.1	12.5°	3294.2	3273.6	3237.2	3240.4	3256.2	3292.6	3333.7	3359.0	3374.9	3390.7
3450.8	15°	3403.4	3367.0	3327.4	3327.4	3355.9	3395.4	3414.4	3435.0	3444.5	3461.9
3569.5	17.5°	3515.7	3468.2	3416.0	3412.8	3447.7	3466.6	3477.7	3480.9	3484.0	3503.0
3685.0	20°	3628.0	3575.8	3501.4	3495.1	3503.0	3499.9	3498.3	3495.1	3499.9	3523.6
3803.7	22.5°	3738.8	3678.7	3575.8	3547.3	3525.2	3495.1	3493.5	3492.0	3495.1	3518.9
3931.8	25°	3868.5	3795.7	3658.1	3572.6	3498.3	3457.1	3461.9	3463.5	3466.6	3485.6
4064.7	27.5°	4009.3	3928.6	3734.0	3564.7	3430.2	3401.8	3393.9	3398.6	3409.7	3439.7
4197.6	30°	4150.2	4055.2	3803.7	3533.1	3344.8	3305.3	3279.9	3291.0	3325.8	3355.9
4313.1	32.5°	4278.3	4183.4	3859.0	3463.5	3235.6	3173.9	3140.7	3154.9	3189.8	3200.8
4441.3	35°	4428.6	4321.0	3882.8	3352.7	3117.0	3022.0	2977.7	2957.2	2974.6	2963.5
4591.6	37.5°	4596.3	4484.0	3879.6	3207.2	2977.7	2868.6	2806.9	2729.3	2692.9	2655.0
4813.1	40°	4844.8	4683.4	3841.6	3031.5	2805.3	2705.6	2594.8	2463.5	2381.2	2306.9
5170.7	42.5°	5183.3	4960.3	3772.0	2838.5	2610.7	2517.3	2367.0	2213.5	2083.8	1960.4
5713.4	45°	5688.1	5322.6	3685.0	2632.8	2400.2	2308.5	2145.5	1973.0	1825.9	1667.7
6483.9	47.5°	6415.9	5809.9	3602.7	2398.6	2178.7	2094.9	1947.7	1787.9	1613.9	1460.4
7597.8	50°	7415.9	6509.2	3526.8	2170.8	1960.4	1897.1	1780.0	1617.0	1441.4	1318.0
8903.1	52.5°	8688.0	7460.2	3495.1	1950.9	1756.3	1732.5	1639.2	1487.3	1321.2	1216.7
10425.2	55°	10148.3	8597.8	3495.1	1740.4	1577.5	1585.4	1520.5	1379.7	1235.7	1142.4
11994.8	57.5°	11638.8	9749.6	3431.8	1545.8	1425.6	1458.8	1417.7	1294.3	1164.5	1068.0
13645.0	60°	13012.2	10714.8	3175.5	1368.6	1291.1	1343.3	1316.4	1210.4	1052.2	971.5
15024.7	62.5°	14067.5	11259.1	2681.9	1227.8	1180.3	1240.5	1226.2	1099.6	1031.6	998.4
16157.6	65°	14596.0	11170.5	2050.6	1102.8	1087.0	1180.3	1150.3	1145.5	1091.7	1053.8
16526.3	67.5°	14271.6	10407.8	1487.3	1011.0	1033.2	1125.0	1240.5	1259.4	1159.8	1085.4
15488.3	70°	12849.2	9028.1	1107.6	924.0	965.2	1126.5	1414.5	1318.0	1137.6	1050.6
12422.0	72.5°	9774.9	6732.3	859.1	832.2	876.5	1134.5	1492.0	1291.1	1074.3	1161.3
7738.6	75°	5590.0	3696.1	689.8	719.9	765.8	1060.1	1452.5	1221.5	1025.3	1066.4
3066.3	77.5°	2131.2	1420.8	569.6	609.2	615.5	925.6	1389.2	1216.7	976.2	952.5
919.3	80°	738.9	555.4	471.5	484.2	476.2	822.8	1332.2	1058.5	799.0	715.2
379.7	82.5°	302.2	276.9	373.4	357.6	338.6	639.2	1075.9	865.5	653.5	577.5
183.5	85°	131.3	175.6	246.8	216.8	196.2	443.0	862.3	732.6	552.2	476.2
60.1	87.5°	26.9	66.5	104.4	98.1	101.3	295.9	612.3	520.5	390.8	292.7
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>
3029.9
3022.0
3080.6
3180.3
3292.6
3397.0
3468.2
3509.4
3533.1
3534.7
3510.9
3469.8
3389.1
3240.4
2998.3
2678.7
2311.6
1949.3
1648.7
1443.0
1310.1
1208.8
1132.9
1052.2
958.8
987.3
1041.1
1072.7
1036.4
<i>1151.9</i>
1066.4
868.6
691.4
571.2
474.7
229.4
0.0

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