

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: STREETWORKS

Report Number: P850047

Luminaire Tested: **GLAN-SB7B-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27931 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

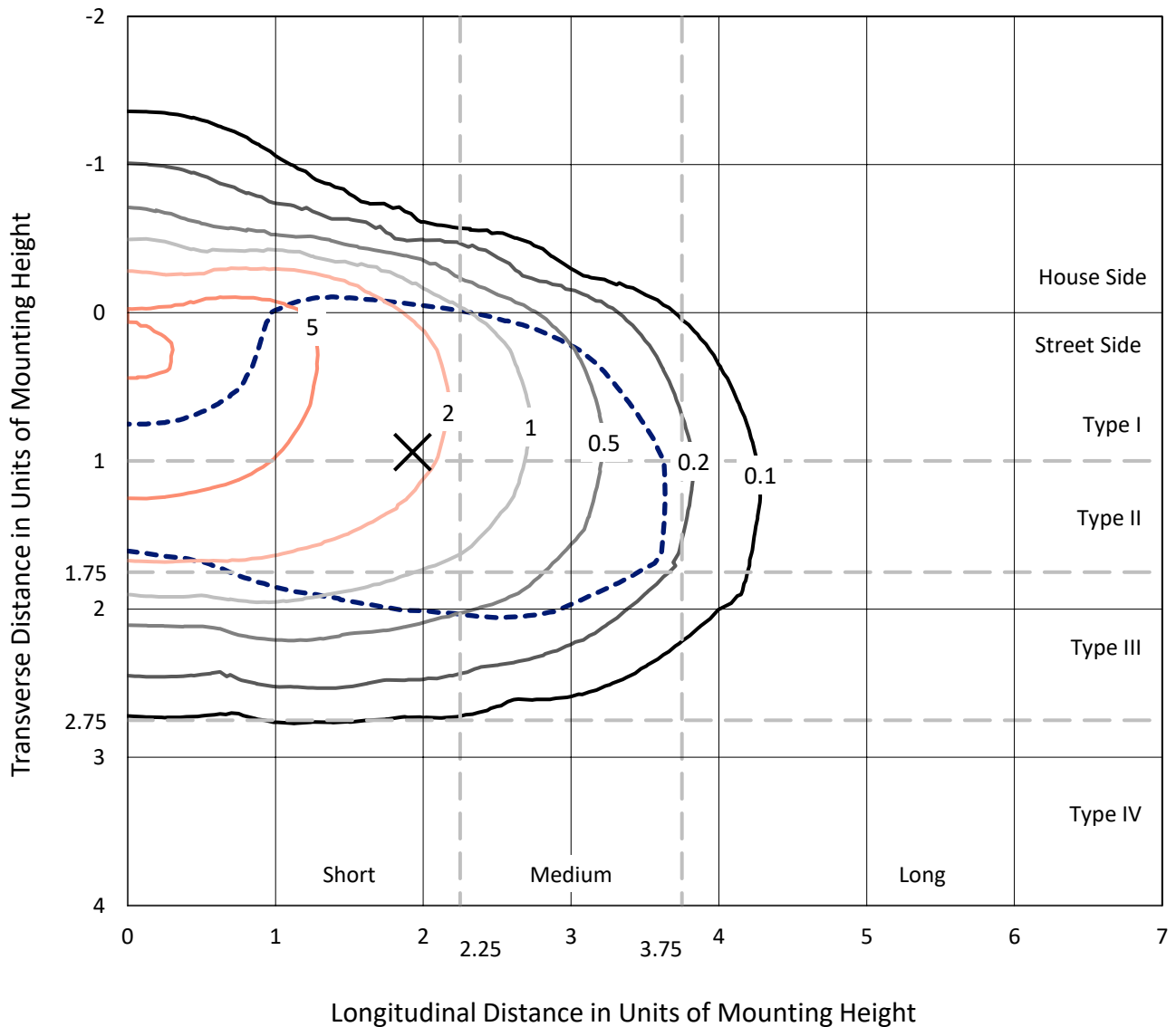
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

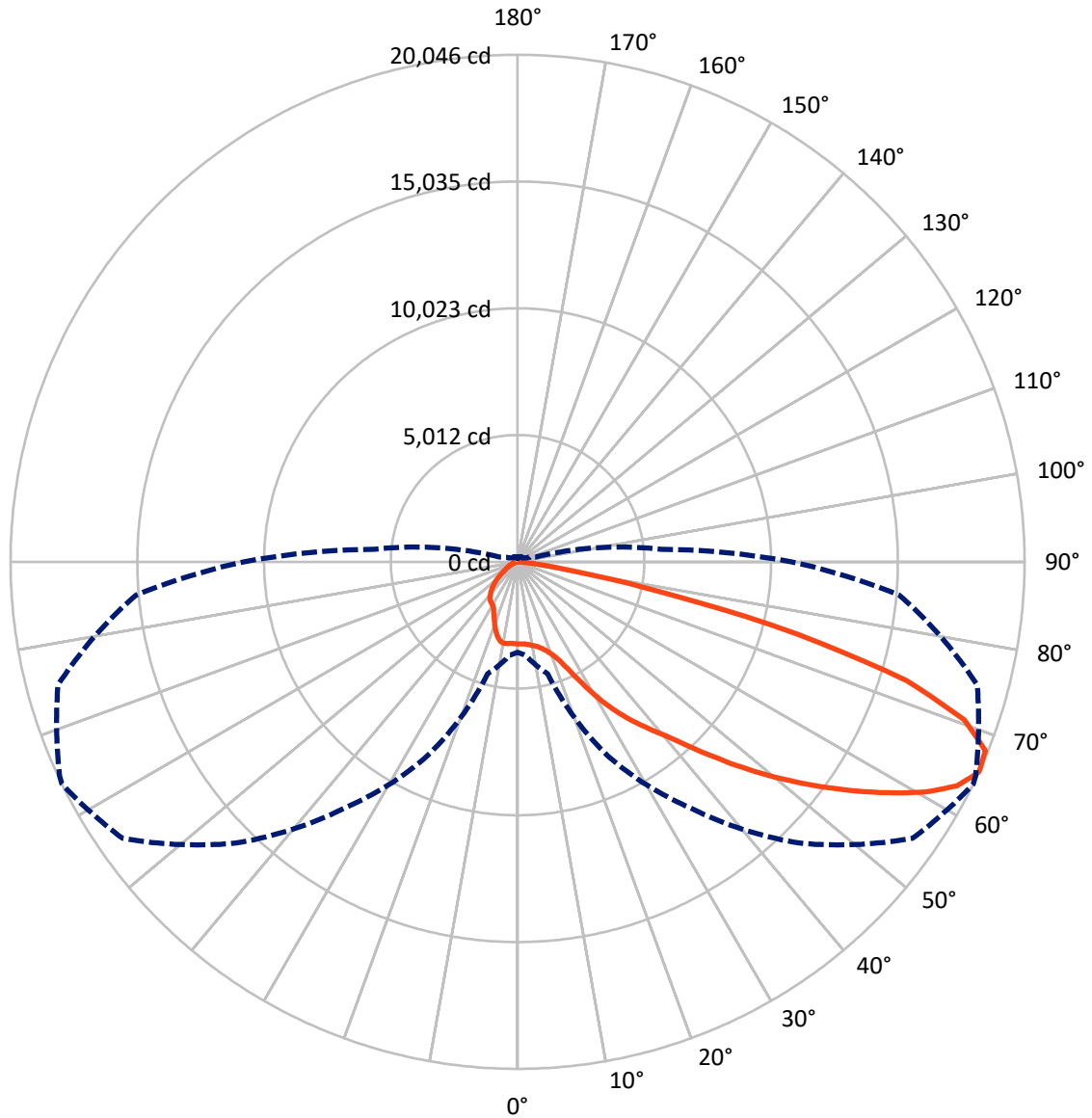
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3735.2	0.0	3735.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	24195.8	0.0	24195.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	27931.0	0.0	27931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.7	1.1
10°-20°	812.9	2.9
20°-30°	1540.4	5.5
30°-40°	3117.1	11.2
40°-50°	5310.0	19.0
50°-60°	7221.2	25.9
60°-70°	6781.1	24.3
70°-80°	2716.8	9.7
80°-90°	131.6	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°	27931.0	100.0
0°-180°	27931.0	100.0

Coefficient of Utilization

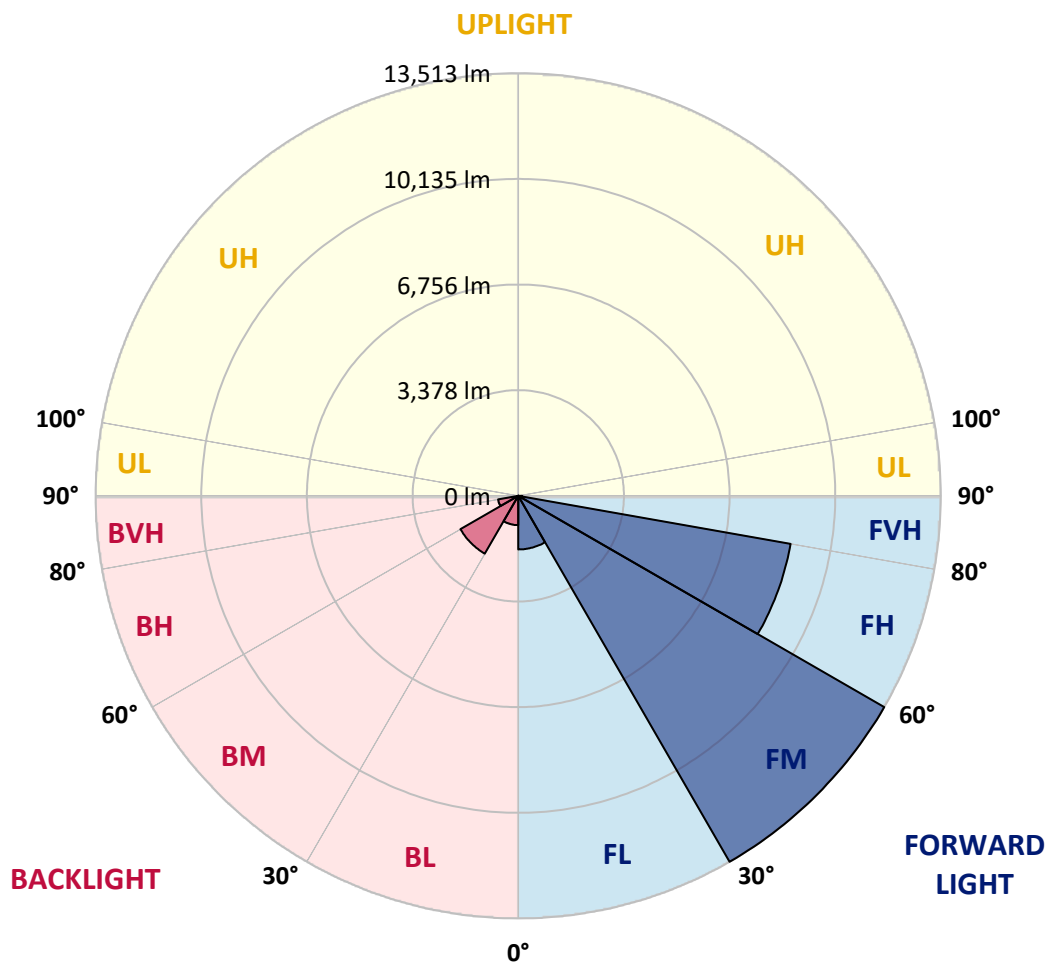


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1715.3	6.1			
FM (30°-60°)	13513.0	48.4			
FH (60°-80°)	8842.3	31.7			G4/12000
FVH (80°-90°)	125.2	0.4			G2/225
BL (0°-30°)	937.8	3.4	B2/1000		
BM (30°-60°)	2135.4	7.6	B2/2500		
BH (60°-80°)	655.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7
2.5°	3237.4	3259.9	3254.3	3248.7	3246.8	3250.5	3252.4	3250.5	3250.5	3250.5
5°	3175.6	3194.4	3194.4	3207.5	3226.2	3248.7	3265.5	3269.3	3273.0	3278.6
7.5°	3057.7	3072.7	3083.9	3127.0	3173.8	3233.7	3284.2	3310.5	3314.2	3334.8
10°	2977.2	2995.9	3014.6	3059.5	3127.0	3216.8	3303.0	3366.6	3376.0	3424.7
12.5°	2973.4	2992.1	3016.5	3065.2	3143.8	3239.3	3344.2	3435.9	3452.8	3523.9
15°	3012.7	3035.2	3057.7	3117.6	3201.9	3317.9	3430.3	3544.5	3561.4	3662.5
17.5°	3093.3	3123.2	3140.1	3200.0	3289.9	3419.1	3567.0	3698.0	3713.0	3831.0
20°	3252.4	3288.0	3293.6	3342.3	3430.3	3568.9	3744.9	3907.8	3926.5	4061.3
22.5°	3582.0	3632.5	3587.6	3611.9	3690.6	3829.1	4020.1	4226.1	4252.3	4405.8
25°	4162.4	4233.6	4117.5	4076.3	4110.0	4254.2	4493.8	4754.1	4784.1	4907.6
27.5°	5302.7	5211.0	5035.0	4862.7	4761.6	4844.0	5113.6	5435.7	5473.1	5592.9
30°	6555.4	6474.9	6237.1	5855.1	5615.4	5602.3	5851.3	6210.8	6253.9	6368.1
32.5°	7809.9	7733.1	7474.7	7004.8	6589.1	6383.1	6555.4	6954.2	6976.7	7049.7
35°	9043.8	8965.2	8706.8	8225.6	7714.4	7246.3	7212.6	7662.0	7669.5	7746.2
37.5°	10285.3	10219.7	9944.5	9472.6	8968.9	8322.9	8010.3	8332.3	8341.7	8416.6
40°	11170.9	11199.0	11009.9	10644.8	10212.2	9506.3	8905.3	9045.7	8989.5	9115.0
42.5°	11931.1	11987.3	11822.5	11639.0	11388.1	10766.5	10013.8	9989.4	9899.5	9966.9
45°	12588.3	12635.2	12487.2	12444.2	12438.5	12002.3	11225.2	11079.2	10953.7	10940.6
47.5°	12829.9	12919.8	12983.4	13127.6	13408.5	13225.0	12477.9	12251.3	12110.9	12007.9
50°	12921.6	13017.1	13234.3	13653.8	14318.5	14397.1	13724.9	13470.3	13298.0	13110.8
52.5°	12798.1	12968.4	13260.5	13966.5	14930.8	15337.1	14921.4	14698.6	14502.0	14196.8
55°	12069.7	12240.1	12837.4	13962.7	15236.0	15996.2	16052.3	15953.1	15732.2	15250.9
57.5°	10534.3	10787.1	11732.6	13487.1	15230.3	16563.5	17160.8	17232.0	16984.8	16295.8
60°	8407.2	8749.9	9903.3	12432.9	14760.4	16870.6	18132.6	18488.4	18226.2	17325.6
62.5°	5866.3	6263.3	7354.9	10781.4	13685.6	16649.6	18842.3	19499.5	19301.0	18246.8
65°	3578.2	3705.5	4585.6	8484.0	11858.1	15724.7	19061.3	20046.2	19980.7	18810.4
67.5°	2383.6	2490.3	2743.1	5817.6	9204.9	13876.6	18537.1	19950.7	19969.5	18718.7
70°	1436.2	1527.9	1692.7	3383.5	5965.6	10983.7	16913.7	18733.7	18842.3	17492.2
72.5°	591.7	653.5	803.3	1533.5	3089.5	6971.1	13468.4	16084.2	16336.9	14707.9
75°	335.2	367.0	471.9	769.6	1340.7	3248.7	8158.2	11418.1	11790.7	10137.3
77.5°	222.8	237.8	305.2	498.1	754.6	1108.5	3486.5	5948.7	6660.2	5536.8
80°	149.8	162.9	209.7	333.3	490.6	475.6	1110.4	2203.8	2711.3	1902.4
82.5°	101.1	103.0	149.8	219.1	310.8	230.3	327.7	685.3	861.3	550.5
85°	58.0	56.2	110.5	127.3	138.6	95.5	99.2	206.0	269.6	232.2
87.5°	7.5	11.2	43.1	33.7	18.7	20.6	20.6	35.6	52.4	56.2
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°
3248.7	0°	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7	3248.7
3252.4	2.5°	3252.4	3250.5	3244.9	3239.3	3226.2	3218.7	3222.5	3218.7	3216.8	3218.7
3276.8	5°	3276.8	3271.1	3256.2	3237.4	3211.2	3179.4	3158.8	3128.8	3100.7	3083.9
3342.3	7.5°	3342.3	3336.7	3316.1	3263.6	3179.4	3046.4	2924.7	2818.0	2737.5	2690.7
3447.1	10°	3447.1	3437.8	3405.9	3289.9	3068.9	2778.7	2537.1	2336.8	2205.7	2143.9
3570.7	12.5°	3570.7	3559.5	3503.3	3265.5	2859.2	2406.1	2072.8	1850.0	1728.3	1674.0
3713.0	15°	3716.8	3701.8	3591.3	3149.4	2554.0	1994.1	1688.9	1522.3	1443.6	1395.0
3894.7	17.5°	3898.4	3872.2	3656.9	2975.3	2222.6	1679.6	1453.0	1327.6	1258.3	1211.5
4132.5	20°	4134.3	4091.3	3709.3	2767.5	1917.4	1481.1	1293.8	1189.0	1136.6	1095.4
4469.5	22.5°	4463.9	4402.1	3772.9	2542.8	1702.0	1344.4	1175.9	1099.1	1056.1	1009.2
4939.5	25°	4872.1	4799.0	3851.6	2334.9	1554.1	1226.4	1089.8	1026.1	975.5	921.2
5555.5	27.5°	5443.2	5312.1	3945.2	2164.5	1426.8	1125.3	1011.1	940.0	881.9	837.0
6253.9	30°	6079.8	5864.4	4027.6	2061.5	1310.7	1031.7	908.1	837.0	782.7	750.8
6881.2	32.5°	6682.7	6390.6	4081.9	2016.6	1205.8	925.0	795.8	719.0	677.8	668.5
7495.3	35°	7251.9	6866.2	4076.3	1973.5	1112.2	818.3	685.3	606.7	574.8	580.5
8156.3	37.5°	7907.3	7373.6	4037.0	1906.1	1035.5	720.9	589.8	520.5	492.4	494.3
8959.6	40°	8669.3	7959.7	4012.6	1778.8	951.2	631.0	511.2	455.0	434.4	426.9
9805.9	42.5°	9482.0	8527.0	4016.4	1634.6	846.3	550.5	456.9	410.1	391.3	385.7
10747.7	45°	10298.4	9068.2	4022.0	1484.8	735.9	488.7	417.6	378.2	367.0	359.5
11702.7	47.5°	11066.1	9528.8	3917.1	1323.8	627.3	441.9	385.7	359.5	350.1	340.8
12661.4	50°	11781.3	9835.9	3664.3	1136.6	541.1	404.4	361.4	342.7	333.3	323.9
13530.2	52.5°	12337.4	9884.6	3246.8	943.7	481.2	376.4	346.4	329.5	318.3	309.0
14232.3	55°	12584.6	9579.3	2653.2	764.0	434.4	352.0	331.4	314.6	301.5	292.1
14784.7	57.5°	12520.9	8937.1	2069.0	614.2	389.5	327.7	312.7	301.5	286.5	271.5
15232.2	60°	12208.2	8077.7	1559.7	511.2	348.3	301.5	292.1	282.7	262.1	239.7
15404.5	62.5°	11667.1	6997.3	1112.2	423.2	303.3	271.5	267.8	260.3	230.3	189.1
15149.8	65°	10839.5	5684.7	749.0	352.0	260.3	237.8	239.7	226.6	187.2	140.4
14217.4	67.5°	9629.9	4156.8	479.3	288.4	217.2	198.5	200.3	192.9	159.2	119.8
12449.8	70°	8088.9	2752.5	312.7	219.1	174.1	153.5	164.8	166.6	134.8	97.4
9555.0	72.5°	5930.0	1625.3	219.1	162.9	127.3	106.7	134.8	138.6	108.6	73.0
5748.4	75°	3379.7	771.4	164.8	118.0	78.6	74.9	104.9	104.9	74.9	48.7
2488.5	77.5°	1419.3	322.1	116.1	76.8	44.9	43.1	71.2	65.5	37.4	22.5
606.7	80°	410.1	144.2	61.8	37.4	18.7	16.9	28.1	20.6	9.4	3.7
230.3	82.5°	161.0	63.7	24.3	15.0	7.5	7.5	3.7	0.0	0.0	0.0
131.1	85°	95.5	26.2	11.2	5.6	1.9	0.0	0.0	0.0	0.0	0.0
28.1	87.5°	24.3	5.6	3.7	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>
3248.7
3226.2
3087.6
2692.6
2138.3
1668.3
1396.8
1207.7
1087.9
1001.7
915.6
827.6
745.2
674.1
580.5
501.8
425.0
383.8
359.5
340.8
323.9
307.1
290.2
269.6
235.9
185.4
136.7
114.2
93.6
69.3
44.9
22.5
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