

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: P850308

Luminaire Tested: **GLAN-SB7D-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 69953 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B5 - U0 - G5

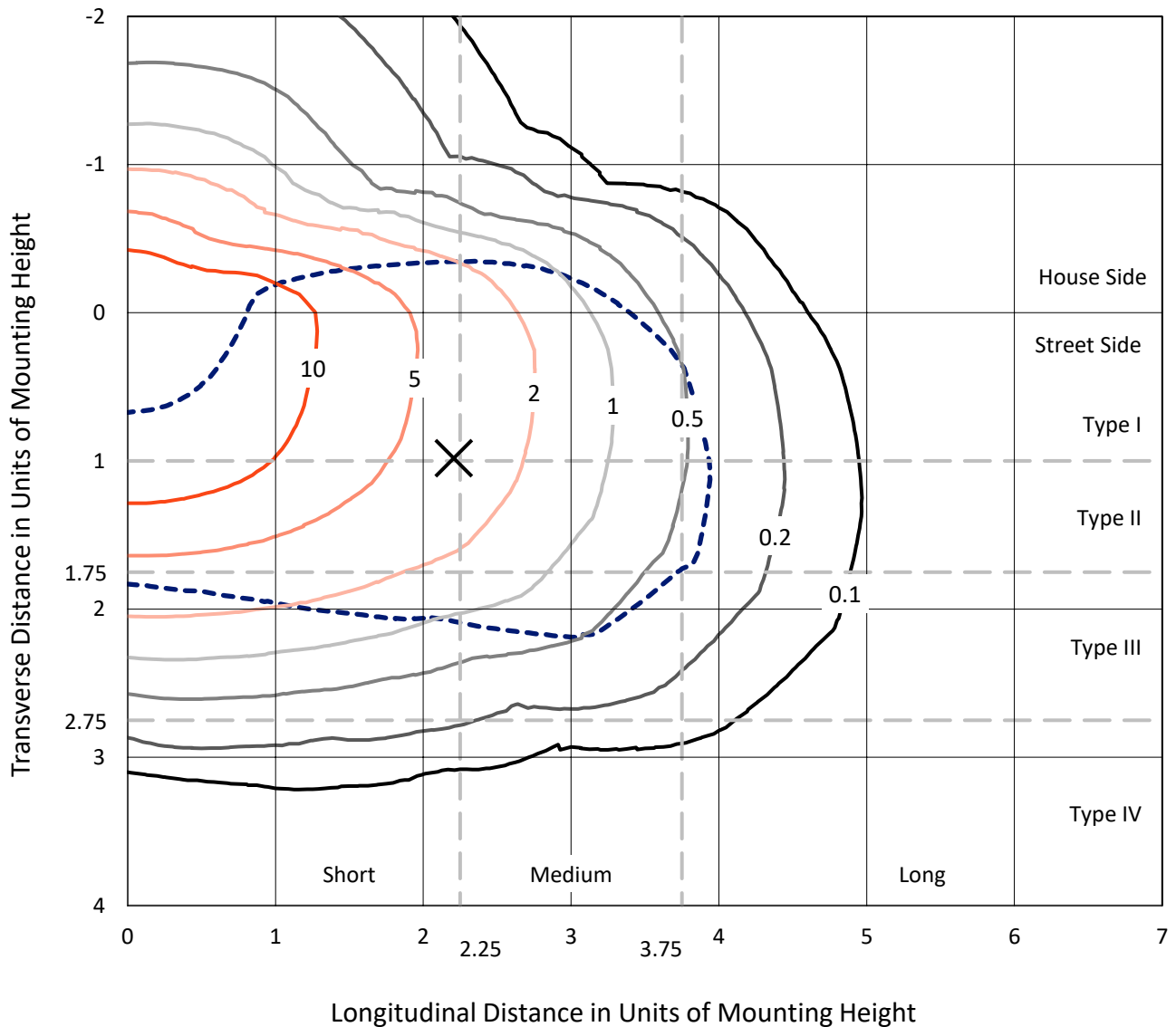
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

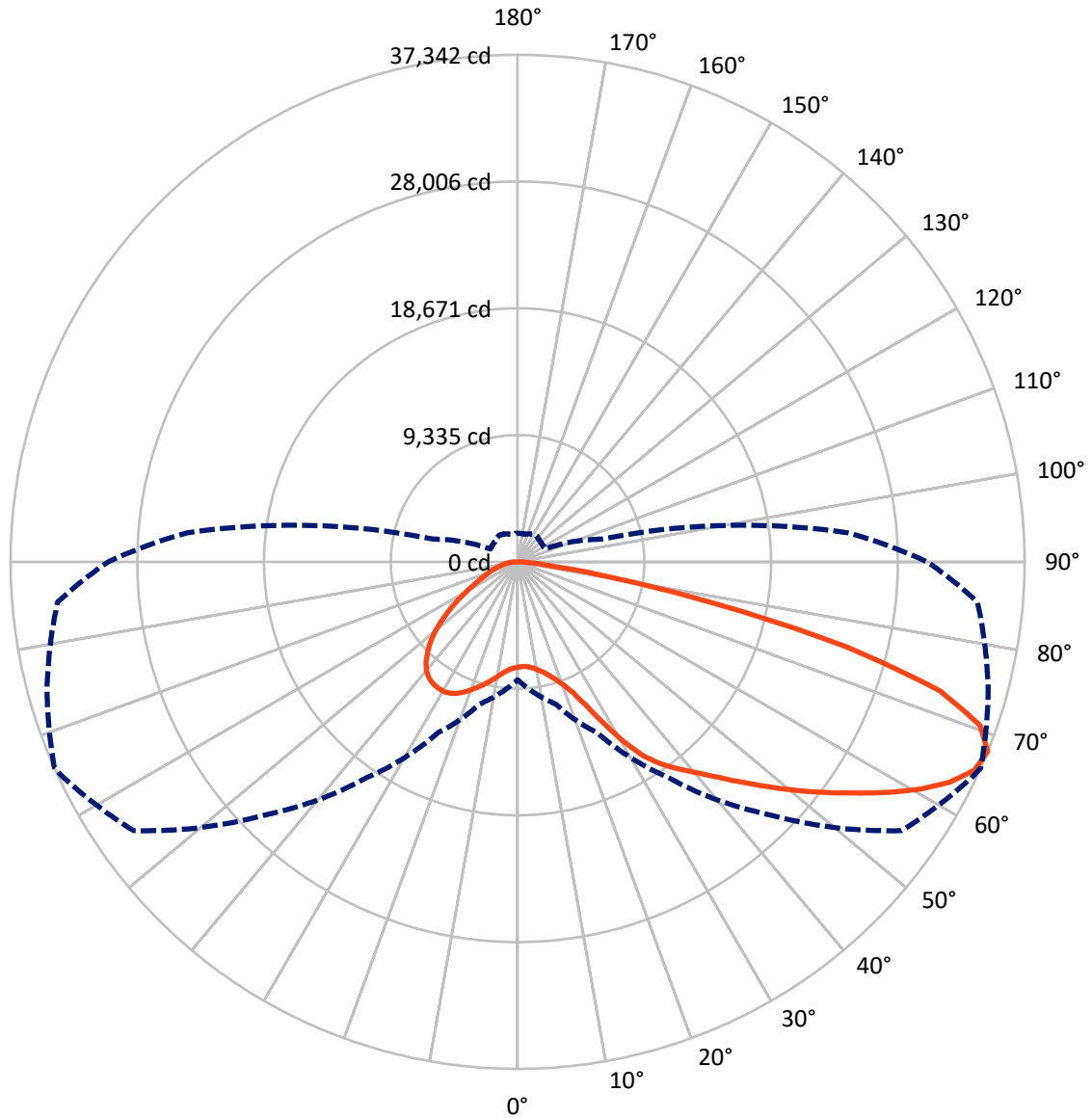
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17393.6	0.0	17393.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	52559.4	0.0	52559.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	69953.0	0.0	69953.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	769.2	1.1
10°-20°	2541.5	3.6
20°-30°	4898.6	7.0
30°-40°	8589.0	12.3
40°-50°	12769.0	18.3
50°-60°	16186.0	23.1
60°-70°	15837.6	22.6
70°-80°	7554.7	10.8
80°-90°	807.4	1.2
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°	69953.0	100.0
0°-180°	69953.0	100.0

**Coefficient of Utilization**

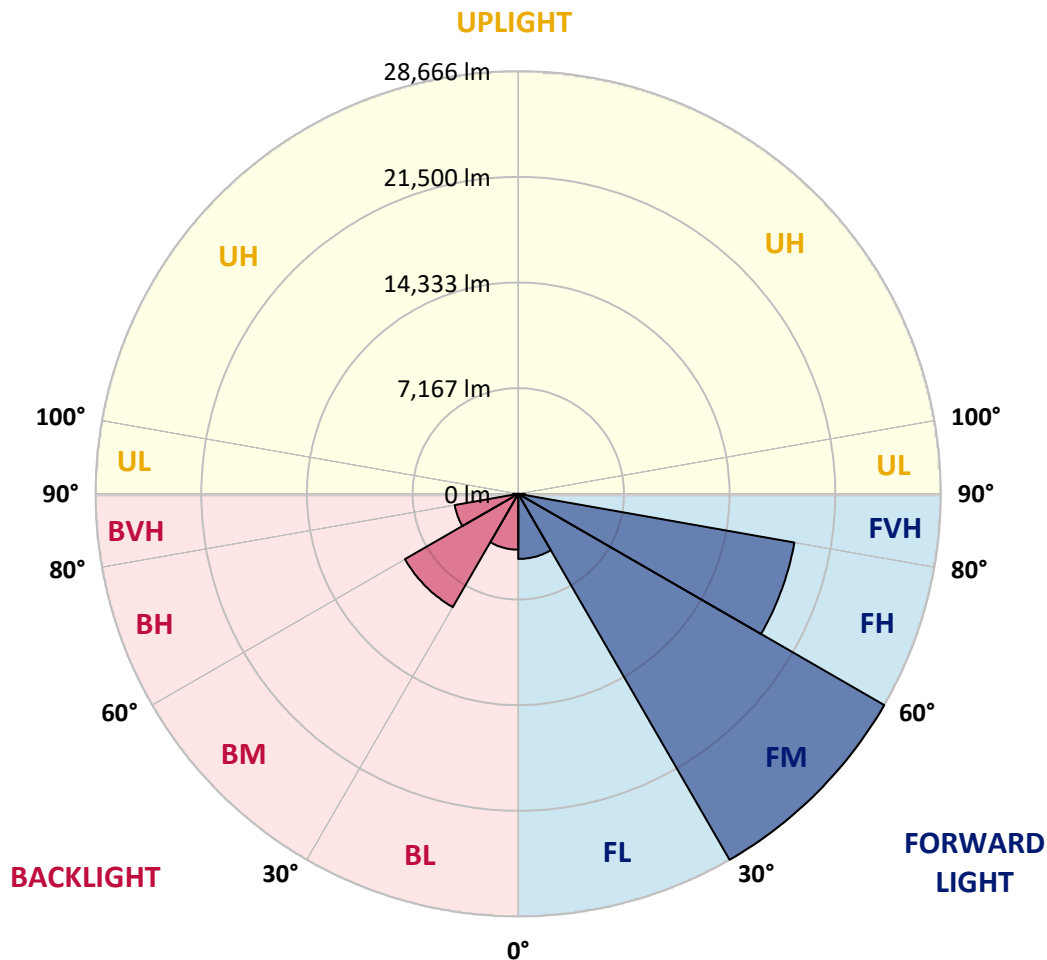


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4420.3	6.3			
FM (30°-60°)	28666.1	41.0			
FH (60°-80°)	19015.1	27.2			G5
FVH (80°-90°)	457.8	0.7			G3/500
BL (0°-30°)	3789.0	5.4	B4/5000		
BM (30°-60°)	8877.9	12.7	B5		
BH (60°-80°)	4377.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	349.6	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7
2.5°	7677.9	7722.0	7710.9	7692.6	7688.9	7696.2	7707.3	7718.3	7714.6	7733.0
5°	7655.8	7699.9	7696.2	7696.2	7710.9	7740.3	7758.7	7777.1	7758.7	7780.8
7.5°	7670.5	7703.6	7718.3	7733.0	7769.7	7824.9	7869.0	7909.4	7887.4	7913.1
10°	7857.9	7883.7	7898.4	7898.4	7924.1	7986.6	8030.7	8104.2	8085.8	8126.2
12.5°	8199.8	8225.5	8225.5	8210.8	8229.2	8269.6	8284.3	8365.1	8332.1	8398.2
15°	8618.7	8670.2	8629.8	8604.0	8611.4	8651.8	8648.2	8710.6	8677.6	8732.7
17.5°	9081.8	9148.0	9081.8	9078.2	9063.5	9107.6	9111.2	9166.4	9107.6	9148.0
20°	9629.5	9721.4	9666.2	9684.6	9651.5	9669.9	9688.3	9769.1	9677.3	9706.7
22.5°	10401.3	10511.6	10452.8	10522.6	10500.5	10485.8	10482.2	10625.5	10482.2	10493.2
25°	11526.0	11658.3	11555.4	11650.9	11650.9	11698.7	11753.8	11937.6	11698.7	11628.9
27.5°	13187.2	13319.6	13117.4	13176.2	13157.8	13275.4	13216.6	13672.4	13415.1	13301.2
30°	15186.6	15421.9	15039.6	15024.9	15006.5	15194.0	15278.5	15579.9	15319.0	15205.0
32.5°	17347.8	17594.0	17138.3	17006.0	16936.1	17050.1	16980.2	17222.8	17042.7	16866.3
35°	19633.8	19876.4	19442.7	19185.4	18906.1	18667.2	18417.3	18479.8	18310.7	18042.4
37.5°	21795.0	22239.7	21780.3	21504.6	20990.1	20523.3	19825.0	19534.6	19376.6	19130.3
40°	23996.5	24250.1	23900.9	23665.7	23107.1	22375.7	21258.4	20644.6	20431.4	20192.5
42.5°	25617.3	25859.9	25672.5	25510.8	25073.4	24224.4	22780.0	22011.8	21703.1	21434.8
45°	26903.7	27083.8	26966.2	27025.0	26837.6	26014.3	24356.7	23478.3	23158.5	22831.4
47.5°	27422.0	27613.1	27800.5	28149.7	28469.4	27863.0	26051.0	25066.0	24727.9	24393.4
50°	27363.2	27557.9	28101.9	28844.3	29836.7	29634.5	27837.3	26756.7	26444.3	26062.1
52.5°	26892.7	27113.2	27811.5	29046.5	30626.9	30961.3	29656.6	28502.5	28208.5	27752.7
55°	25657.8	25790.1	26837.6	28587.1	30814.3	31887.5	31439.1	30362.3	30068.2	29432.4
57.5°	23368.0	23559.1	25084.4	27348.4	30343.9	32516.0	33004.8	32317.6	32034.6	31119.4
60°	20379.9	20685.0	22430.8	25268.2	29145.7	32512.3	34427.2	34239.8	34004.5	32780.7
62.5°	16998.6	17351.4	19031.1	22327.9	27050.7	31589.8	35316.7	35849.6	35728.3	34313.3
65°	13054.9	13297.5	14969.8	18523.9	23790.7	29608.8	35419.6	36948.5	36970.6	35478.4
67.5°	8692.3	9390.6	10842.4	13900.3	19424.3	26370.8	34515.4	37128.6	37341.8	35879.0
70°	4241.4	5160.2	6582.6	9034.1	13900.3	21405.4	32152.2	35651.1	36125.2	34710.2
72.5°	1760.5	2058.2	2833.7	4458.2	7979.2	14444.2	27403.6	31645.0	32523.4	30755.5
75°	1187.1	1286.4	1620.8	2286.1	3634.9	7122.9	19762.5	23595.9	25010.9	23228.4
77.5°	915.2	977.6	1179.8	1598.8	2161.1	2694.0	10577.7	14220.0	14951.4	13841.5
80°	720.4	768.2	882.1	1165.1	1532.6	1440.7	3605.5	6442.9	6865.6	5759.3
82.5°	624.8	643.2	632.2	790.2	1018.1	841.7	1183.5	2378.0	2624.2	1903.8
85°	452.1	503.5	525.6	488.8	540.3	426.3	485.1	841.7	926.2	827.0
87.5°	183.8	272.0	334.5	316.1	198.5	121.3	150.7	246.2	283.0	308.7
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°
7758.7	0°	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7	7758.7
7762.4	2.5°	7766.1	7791.8	7810.2	7832.2	7846.9	7869.0	7913.1	7938.8	7942.5	7960.9
7821.2	5°	7835.9	7872.6	7913.1	7971.9	8038.0	8093.2	8177.7	8236.5	8258.6	8276.9
7964.5	7.5°	7986.6	8038.0	8111.5	8214.5	8310.0	8383.5	8486.4	8556.3	8626.1	8651.8
8192.4	10°	8210.8	8284.3	8390.9	8530.5	8633.5	8729.0	8835.6	8894.4	8964.2	8993.6
8464.4	12.5°	8490.1	8567.3	8707.0	8901.8	8997.3	9063.5	9100.2	9085.5	9100.2	9126.0
8791.5	15°	8809.9	8894.4	9052.4	9261.9	9328.1	9269.3	9188.4	9114.9	9103.9	9111.2
9188.4	17.5°	9188.4	9250.9	9434.7	9611.1	9563.3	9320.7	9144.3	9026.7	8967.9	8949.5
9695.6	20°	9717.7	9717.7	9868.4	9978.6	9658.9	9247.2	8971.6	8780.5	8659.2	8607.7
10386.6	22.5°	10360.9	10302.1	10397.6	10320.4	9640.5	9041.4	8659.2	8328.4	8144.6	8071.1
11353.2	25°	11176.8	11107.0	11081.2	10603.5	9508.2	8714.3	8093.2	7692.6	7530.8	7490.4
12746.2	27.5°	12408.1	12231.6	11897.2	10757.8	9265.6	8199.8	7431.6	7060.4	6968.5	6972.2
14536.1	30°	14047.3	13694.4	12874.8	10783.5	8868.7	7472.0	6755.3	6490.7	6446.6	6465.0
16039.3	32.5°	15565.2	15230.7	13874.5	10665.9	8258.6	6759.0	6148.9	5972.5	5906.3	5928.4
17186.0	35°	16756.0	16664.1	14800.7	10500.5	7508.8	6090.1	5604.9	5454.3	5325.6	5296.2
18266.6	37.5°	17880.7	17843.9	15495.4	10269.0	6766.4	5616.0	5167.6	4969.1	4781.7	4678.7
19461.1	40°	19115.6	19078.9	15951.1	9912.5	6108.5	5204.3	4774.3	4513.4	4281.8	4094.4
20813.6	42.5°	20504.9	20288.1	16168.0	9401.6	5549.8	4855.2	4454.6	4101.7	3796.7	3623.9
22342.6	45°	22022.8	21534.0	16164.3	8751.1	5079.4	4535.4	4112.7	3612.9	3329.9	3168.2
23912.0	47.5°	23632.6	22724.8	15965.8	8030.7	4623.6	4182.6	3583.5	3201.2	3013.8	2914.6
25617.3	50°	25293.9	23838.5	15627.7	7203.7	4156.8	3782.0	3252.7	2991.8	2848.4	2756.5
27308.0	52.5°	26855.9	24849.2	15219.7	6266.5	3682.7	3392.4	3105.7	2903.5	2752.9	2649.9
28947.2	55°	28307.7	25720.3	14642.7	5307.2	3296.8	3131.4	3035.9	2866.8	2694.0	2572.8
30612.2	57.5°	29597.8	26286.3	13646.7	4406.8	3021.2	2951.3	2962.4	2804.3	2605.8	2502.9
32251.4	60°	30671.0	26701.6	12172.8	3572.5	2797.0	2774.9	2848.4	2686.7	2455.1	2337.5
33637.0	62.5°	31314.2	26694.2	10364.6	2925.6	2605.8	2613.2	2697.7	2539.7	2304.5	2194.2
34361.1	65°	31259.0	26040.0	8379.9	2502.9	2422.1	2429.4	2539.7	2378.0	2179.5	2113.3
33997.2	67.5°	30152.8	24444.9	6428.2	2227.3	2219.9	2253.0	2381.6	2267.7	2102.3	2095.0
31828.7	70°	27157.3	21133.4	4631.0	2006.8	2010.4	2058.2	2227.3	2197.9	2061.9	2076.6
26760.4	72.5°	21776.6	16112.8	3109.4	1775.2	1778.9	1856.1	2080.3	2142.7	2021.5	2216.2
18987.0	75°	14503.0	10048.5	1999.4	1529.0	1532.6	1631.9	1951.6	2036.2	1911.2	2208.9
9879.4	77.5°	6968.5	4517.0	1448.1	1286.4	1286.4	1378.3	1687.0	1823.0	1628.2	1716.4
3175.5	80°	2407.4	1698.0	1139.4	1036.5	1014.4	1076.9	1422.4	1580.4	1404.0	1293.7
1036.5	82.5°	948.2	882.1	915.2	804.9	731.4	771.8	1106.3	1304.8	1032.8	933.5
584.4	85°	544.0	573.4	646.9	532.9	422.7	474.1	812.3	937.2	779.2	687.3
191.1	87.5°	147.0	202.1	297.7	275.7	191.1	202.1	385.9	518.2	448.4	345.5
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>
7758.7
7957.2
8273.3
8655.5
9008.3
9133.3
9137.0
8975.3
8596.7
8060.1
7497.8
6983.2
6527.5
5957.8
5318.3
4682.4
4112.7
3634.9
3160.8
2892.5
2723.5
2605.8
2525.0
2436.8
2286.1
2161.1
2109.7
2106.0
2072.9
2245.7
2227.3
1573.1
1212.9
929.9
702.0
356.5
0.0

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