

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: P849638

Luminaire Tested: **GLAN-SB6D-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849638  
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-SB6D-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 60595 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

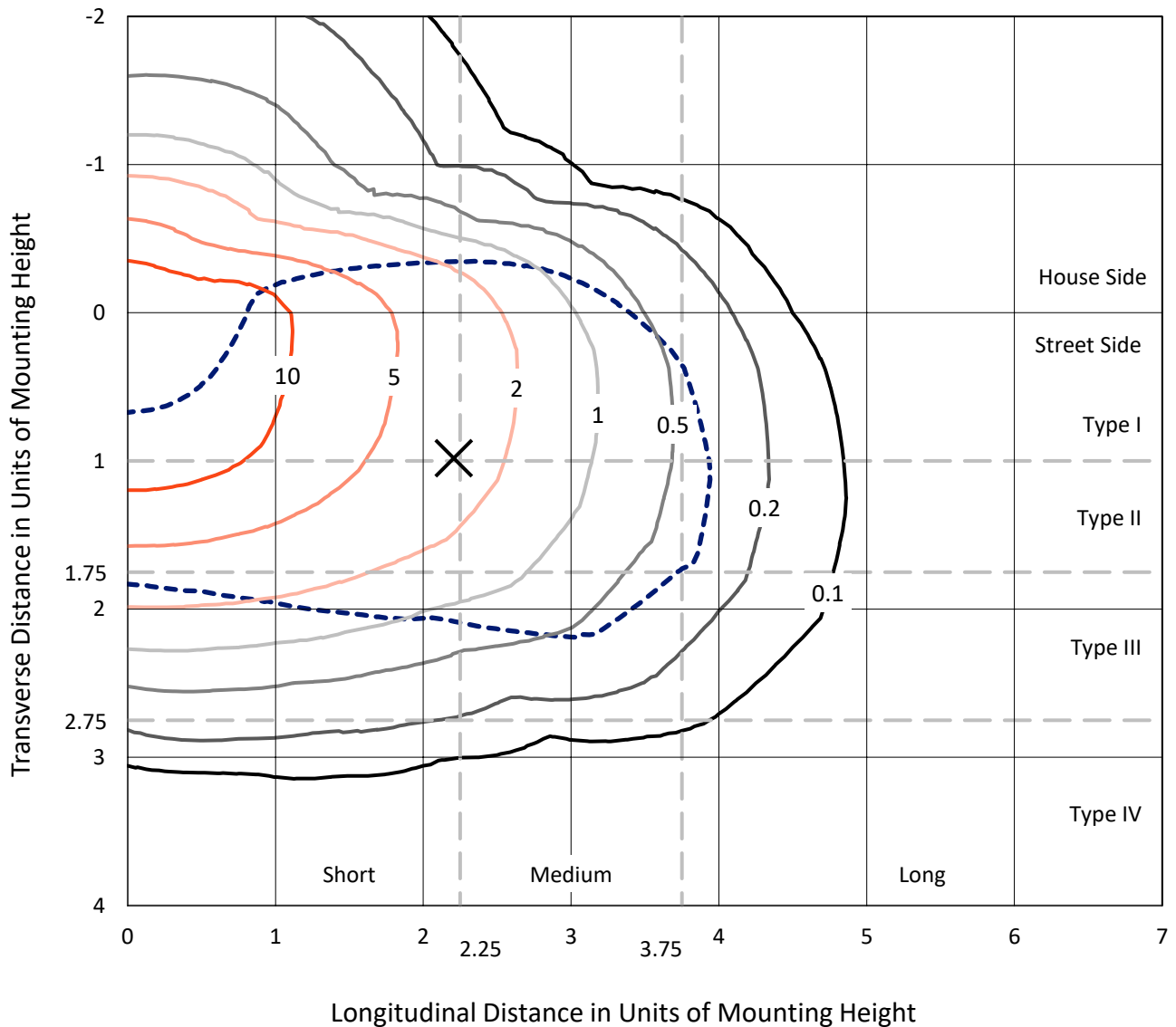
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

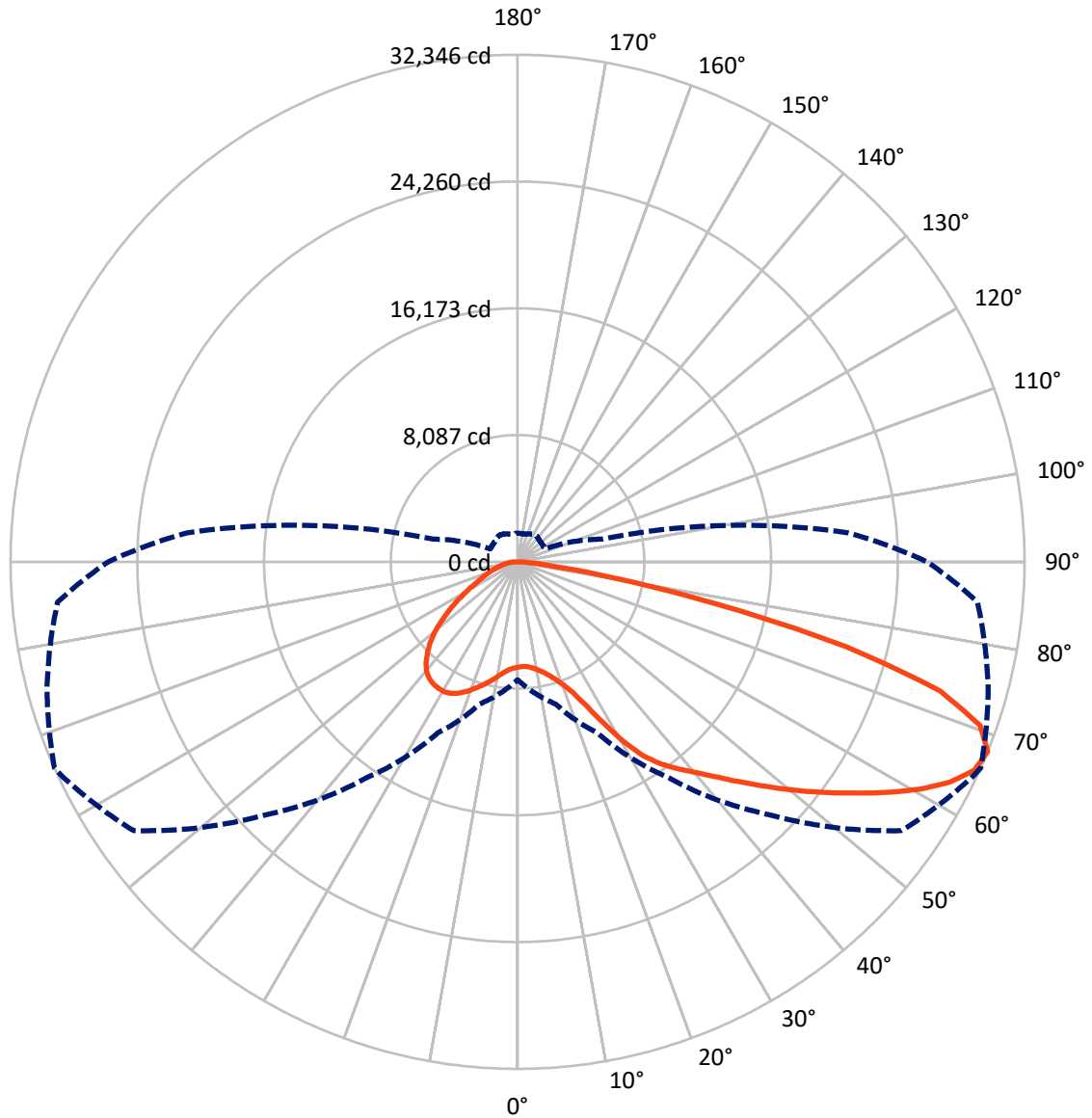
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 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	15066.8	0.0	15066.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	45528.2	0.0	45528.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	60595.0	0.0	60595.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.3	1.1
10°-20°	2201.5	3.6
20°-30°	4243.3	7.0
30°-40°	7440.0	12.3
40°-50°	11060.8	18.3
50°-60°	14020.7	23.1
60°-70°	13718.9	22.6
70°-80°	6544.1	10.8
80°-90°	699.4	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°	60595.0	100.0
0°-180°	60595.0	100.0

**Coefficient of Utilization**

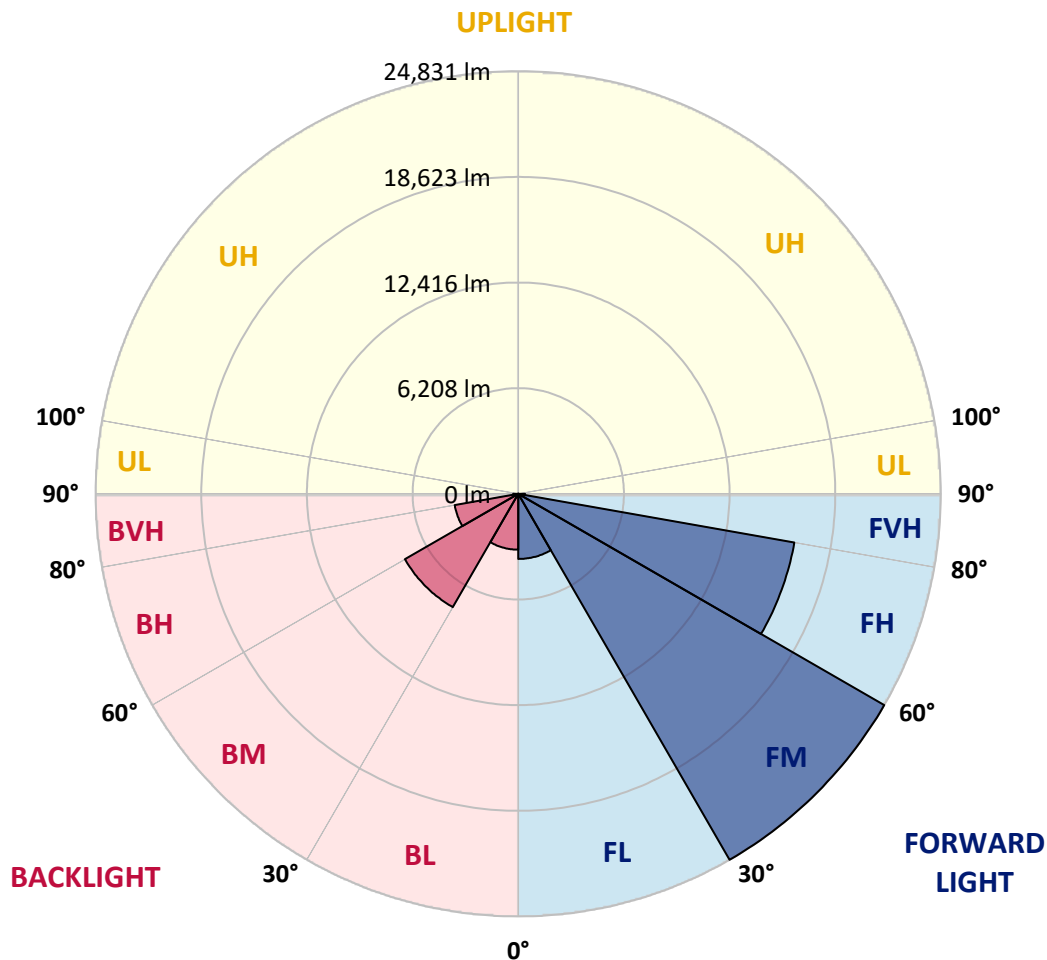


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3829.0	6.3			
FM (30°-60°)	24831.3	41.0			
FH (60°-80°)	16471.4	27.2			G5
FVH (80°-90°)	396.5	0.7			G3/500
BL (0°-30°)	3282.1	5.4	B4/5000		
BM (30°-60°)	7690.3	12.7	B4/8500		
BH (60°-80°)	3791.6	6.3	B4/5000		G4/5000
BVH (80°-90°)	302.9	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8
2.5°	6650.7	6688.9	6679.4	6663.5	6660.3	6666.7	6676.2	6685.8	6682.6	6698.5
5°	6631.6	6669.8	6666.7	6666.7	6679.4	6704.9	6720.8	6736.7	6720.8	6739.9
7.5°	6644.4	6673.0	6685.8	6698.5	6730.3	6778.1	6816.3	6851.3	6832.2	6854.5
10°	6806.7	6829.0	6841.8	6841.8	6864.1	6918.2	6956.4	7020.1	7004.1	7039.2
12.5°	7102.8	7125.1	7125.1	7112.4	7128.3	7163.3	7176.1	7246.1	7217.4	7274.7
15°	7465.8	7510.3	7475.3	7453.0	7459.4	7494.4	7491.2	7545.4	7516.7	7564.5
17.5°	7866.9	7924.2	7866.9	7863.7	7851.0	7889.2	7892.4	7940.1	7889.2	7924.2
20°	8341.3	8420.9	8373.1	8389.0	8360.4	8376.3	8392.2	8462.3	8382.7	8408.1
22.5°	9009.9	9105.4	9054.4	9114.9	9095.8	9083.1	9079.9	9204.1	9079.9	9089.5
25°	9984.1	10098.7	10009.5	10092.3	10092.3	10133.7	10181.5	10340.7	10133.7	10073.2
27.5°	11423.1	11537.7	11362.6	11413.6	11397.6	11499.5	11448.6	11843.4	11620.5	11521.8
30°	13155.0	13358.8	13027.7	13015.0	12999.0	13161.4	13234.6	13495.7	13269.7	13171.0
32.5°	15027.1	15240.4	14845.6	14731.0	14670.5	14769.2	14708.7	14918.8	14762.8	14610.0
35°	17007.3	17217.4	16841.8	16618.9	16376.9	16170.0	15953.5	16007.6	15861.2	15628.8
37.5°	18879.3	19264.6	18866.6	18627.8	18182.1	17777.8	17172.9	16921.4	16784.5	16571.1
40°	20786.4	21006.0	20703.6	20499.8	20015.9	19382.4	18414.5	17882.8	17698.2	17491.2
42.5°	22190.4	22400.5	22238.1	22098.0	21719.2	20983.8	19732.6	19067.2	18799.7	18567.3
45°	23304.7	23460.7	23358.8	23409.7	23247.4	22534.2	21098.4	20337.5	20060.5	19777.1
47.5°	23753.6	23919.1	24081.5	24383.9	24660.9	24135.6	22566.1	21712.8	21419.9	21130.2
50°	23702.6	23871.4	24342.6	24985.7	25845.3	25670.2	24113.3	23177.3	22906.7	22575.6
52.5°	23295.1	23486.1	24091.0	25160.8	26529.8	26819.5	25689.3	24689.6	24434.9	24040.1
55°	22225.4	22340.0	23247.4	24762.8	26692.1	27621.8	27233.4	26300.5	26045.8	25495.1
57.5°	20242.0	20407.5	21728.7	23689.9	26284.6	28166.2	28589.6	27994.3	27749.1	26956.4
60°	17653.6	17917.9	19430.1	21887.9	25246.7	28163.0	29821.7	29659.3	29455.6	28395.4
62.5°	14724.6	15030.2	16485.2	19341.0	23432.0	27363.9	30592.2	31053.8	30948.7	29723.0
65°	11308.5	11518.6	12967.2	16045.8	20608.1	25647.9	30681.3	32005.7	32024.8	30732.2
67.5°	7529.4	8134.3	9391.9	12040.7	16825.8	22843.0	29898.1	32161.7	32346.4	31079.3
70°	3674.0	4469.9	5702.0	7825.5	12040.7	18541.9	27851.0	30881.9	31292.6	30066.8
72.5°	1525.0	1782.9	2454.6	3861.8	6911.8	12511.9	23737.7	27411.6	28172.5	26641.2
75°	1028.3	1114.3	1404.0	1980.3	3148.7	6170.0	17118.7	20439.3	21665.1	20121.0
77.5°	792.7	846.9	1022.0	1384.9	1872.0	2333.7	9162.7	12317.7	12951.3	11989.8
80°	624.0	665.4	764.1	1009.2	1327.6	1248.0	3123.2	5581.0	5947.1	4988.9
82.5°	541.2	557.1	547.6	684.5	881.9	729.1	1025.2	2059.9	2273.2	1649.2
85°	391.6	436.2	455.3	423.4	468.0	369.3	420.2	729.1	802.3	716.3
87.5°	159.2	235.6	289.7	273.8	171.9	105.1	130.5	213.3	245.1	267.4
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°
6720.8	0°	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8	6720.8
6724.0	2.5°	6727.2	6749.4	6765.4	6784.5	6797.2	6816.3	6854.5	6876.8	6880.0	6895.9
6774.9	5°	6787.6	6819.5	6854.5	6905.4	6962.7	7010.5	7083.7	7134.7	7153.8	7169.7
6899.1	7.5°	6918.2	6962.7	7026.4	7115.6	7198.3	7262.0	7351.2	7411.6	7472.1	7494.4
7096.5	10°	7112.4	7176.1	7268.4	7389.4	7478.5	7561.3	7653.6	7704.5	7765.0	7790.5
7332.1	12.5°	7354.3	7421.2	7542.2	7710.9	7793.7	7851.0	7882.8	7870.1	7882.8	7905.1
7615.4	15°	7631.3	7704.5	7841.4	8022.9	8080.2	8029.3	7959.2	7895.6	7886.0	7892.4
7959.2	17.5°	7959.2	8013.4	8172.6	8325.4	8284.0	8073.9	7921.0	7819.2	7768.2	7752.3
8398.6	20°	8417.7	8417.7	8548.2	8643.7	8366.8	8010.2	7771.4	7605.9	7500.8	7456.2
8997.1	22.5°	8974.8	8923.9	9006.7	8939.8	8350.8	7831.9	7500.8	7214.3	7055.1	6991.4
9834.4	25°	9681.6	9621.1	9598.8	9185.0	8236.2	7548.5	7010.5	6663.5	6523.4	6488.4
11041.1	27.5°	10748.2	10595.3	10305.6	9318.7	8026.1	7102.8	6437.4	6115.9	6036.3	6039.5
12591.5	30°	12168.1	11862.5	11152.5	9341.0	7682.3	6472.5	5851.6	5622.4	5584.2	5600.1
13893.7	32.5°	13483.0	13193.2	12018.5	9239.1	7153.8	5854.8	5326.3	5173.5	5116.2	5135.3
14887.0	35°	14514.5	14434.9	12820.8	9095.8	6504.3	5275.4	4855.1	4724.6	4613.2	4587.7
15823.0	37.5°	15488.7	15456.9	13422.5	8895.3	5861.2	4864.7	4476.3	4304.4	4142.0	4052.8
16857.7	40°	16558.4	16526.6	13817.2	8586.4	5291.3	4508.1	4135.6	3909.6	3709.0	3546.6
18029.3	42.5°	17761.9	17574.0	14005.1	8143.9	4807.4	4205.7	3858.6	3553.0	3288.8	3139.1
19353.7	45°	19076.7	18653.3	14001.9	7580.4	4399.9	3928.7	3562.6	3129.6	2884.4	2744.3
20713.1	47.5°	20471.2	19684.8	13830.0	6956.4	4005.1	3623.0	3104.1	2773.0	2610.6	2524.7
22190.4	50°	21910.2	20649.5	13537.1	6240.0	3600.8	3276.0	2817.6	2591.5	2467.4	2387.8
23654.9	52.5°	23263.3	21525.0	13183.7	5428.2	3190.1	2938.6	2690.2	2515.1	2384.6	2295.4
25074.8	55°	24520.8	22279.5	12683.9	4597.3	2855.8	2712.5	2629.7	2483.3	2333.7	2228.6
26517.0	57.5°	25638.3	22769.8	11821.1	3817.3	2617.0	2556.5	2566.1	2429.2	2257.2	2168.1
27936.9	60°	26568.0	23129.6	10544.4	3094.6	2422.8	2403.7	2467.4	2327.3	2126.7	2024.8
29137.2	62.5°	27125.1	23123.2	8978.0	2534.2	2257.2	2263.6	2336.8	2199.9	1996.2	1900.7
29764.4	65°	27077.4	22556.5	7258.8	2168.1	2098.1	2104.4	2199.9	2059.9	1887.9	1830.6
29449.2	67.5°	26119.1	21174.8	5568.3	1929.3	1923.0	1951.6	2063.0	1964.3	1821.1	1814.7
27570.8	70°	23524.3	18306.3	4011.5	1738.3	1741.5	1782.9	1929.3	1903.9	1786.1	1798.8
23180.5	72.5°	18863.4	13957.3	2693.4	1537.7	1540.9	1607.8	1802.0	1856.1	1751.0	1919.8
16447.0	75°	12562.9	8704.2	1731.9	1324.4	1327.6	1413.6	1690.5	1763.8	1655.5	1913.4
8557.8	77.5°	6036.3	3912.8	1254.4	1114.3	1114.3	1193.9	1461.3	1579.1	1410.4	1486.8
2750.7	80°	2085.3	1470.9	986.9	897.8	878.7	932.8	1232.1	1369.0	1216.2	1120.7
897.8	82.5°	821.4	764.1	792.7	697.2	633.6	668.6	958.3	1130.2	894.6	808.7
506.2	85°	471.2	496.7	560.3	461.6	366.1	410.7	703.6	811.8	674.9	595.4
165.6	87.5°	127.3	175.1	257.9	238.8	165.6	175.1	334.3	448.9	388.4	299.3
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>
6720.8
6892.7
7166.5
7497.6
7803.2
7911.5
7914.7
7774.6
7446.7
6981.8
6494.7
6049.0
5654.2
5160.8
4606.8
4056.0
3562.6
3148.7
2738.0
2505.6
2359.1
2257.2
2187.2
2110.8
1980.3
1872.0
1827.4
1824.3
1795.6
1945.2
1929.3
1362.6
1050.6
805.5
608.1
308.8
0.0

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