

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: P850213

Luminaire Tested: **GLAN-SB7C-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

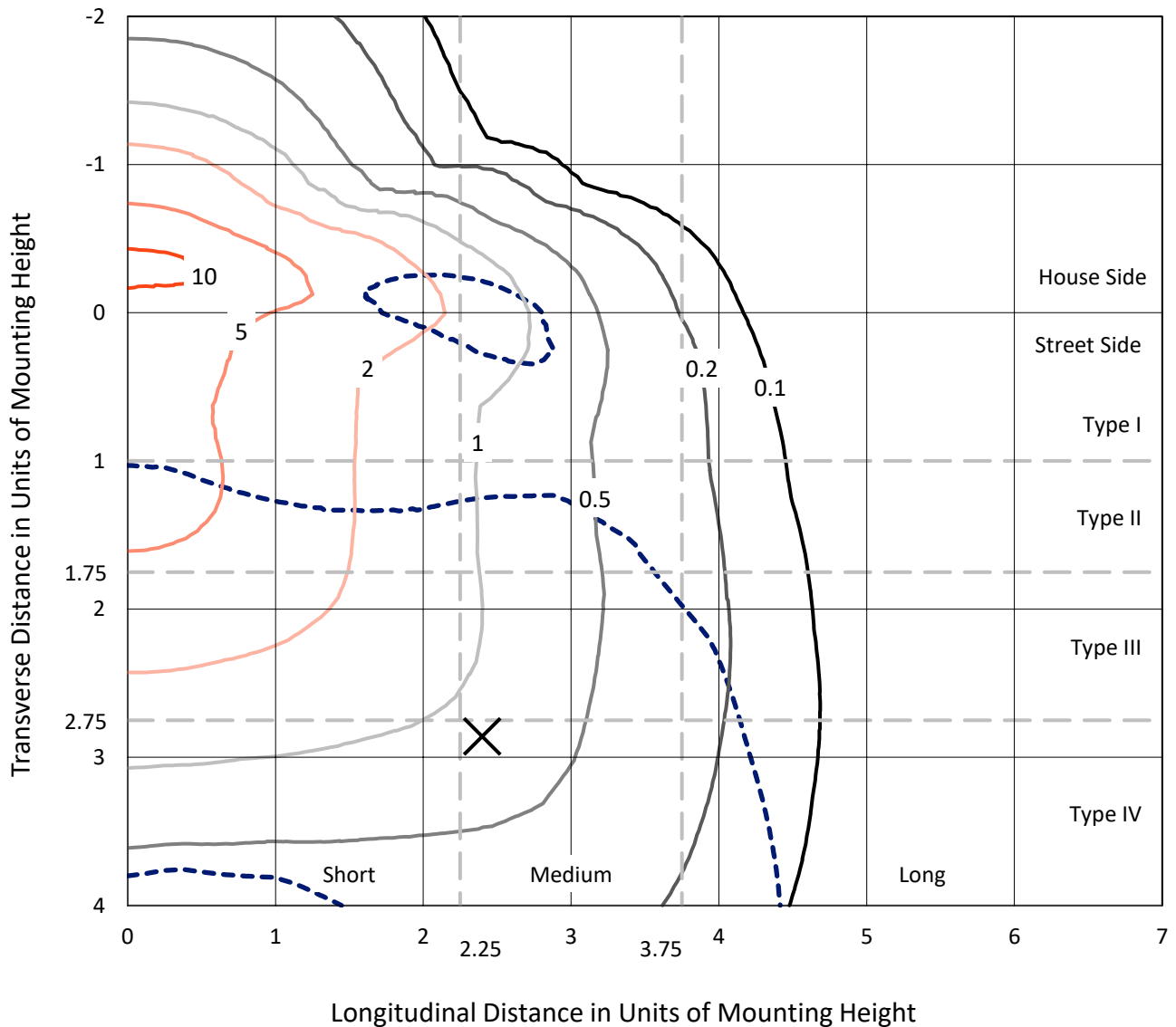
Lumens per Lamp: N/A  
Luminaire Lumens: 46951 lumens  
Efficiency: N/A  
Efficacy: 134.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

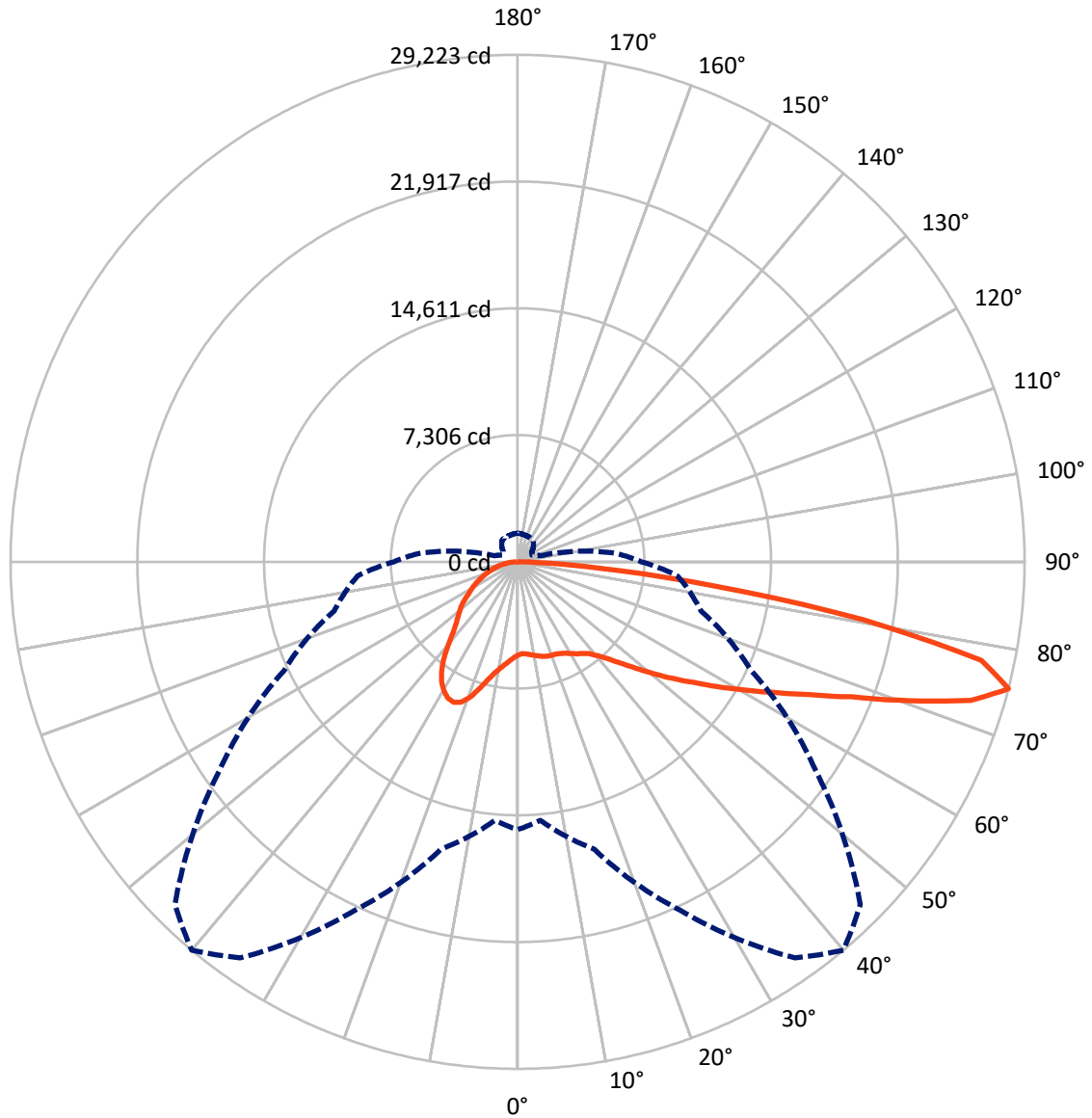
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14547.0	0.0	14547.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	32404.0	0.0	32404.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	46951.0	0.0	46951.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	535.9	1.1
10°-20°	1799.3	3.8
20°-30°	3285.4	7.0
30°-40°	4659.6	9.9
40°-50°	6291.9	13.4
50°-60°	8464.3	18.0
60°-70°	10743.2	22.9
70°-80°	9750.1	20.8
80°-90°	1421.3	3.0
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°	46951.0	100.0
0°-180°	46951.0	100.0

**Coefficient of Utilization**

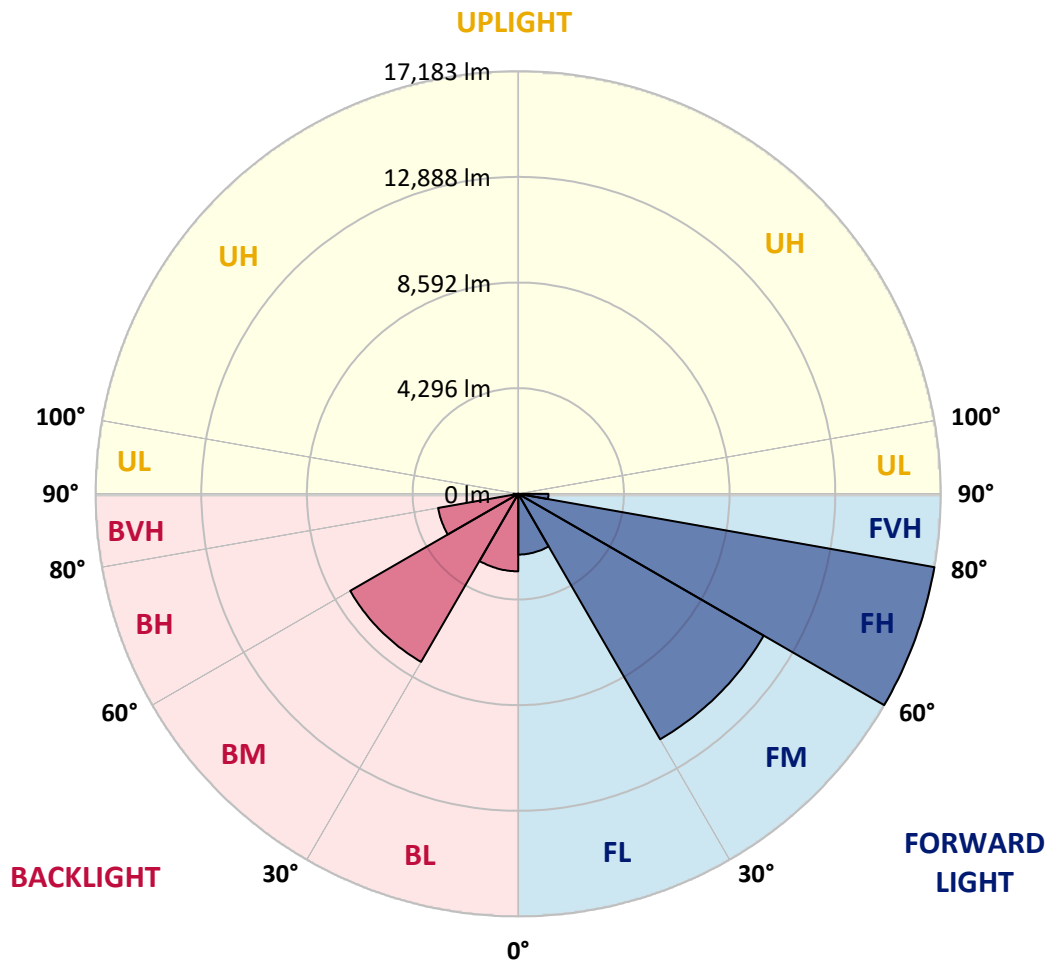


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2469.7	5.3			
FM (30°-60°)	11525.4	24.5			
FH (60°-80°)	17183.4	36.6			G5
FVH (80°-90°)	1225.6	2.6			G5
BL (0°-30°)	3151.0	6.7	B4/5000		
BM (30°-60°)	7890.4	16.8	B4/8500		
BH (60°-80°)	3309.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	195.7	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9
2.5°	5286.7	5316.6	5309.1	5299.2	5299.2	5301.7	5299.2	5316.6	5334.0	5351.5
5°	5341.5	5371.4	5356.5	5344.0	5334.0	5331.6	5324.1	5321.6	5331.6	5354.0
7.5°	5448.6	5478.5	5456.1	5433.7	5413.7	5403.8	5393.8	5378.9	5371.4	5383.9
10°	5568.1	5598.0	5570.6	5530.8	5498.4	5485.9	5476.0	5461.0	5451.1	5458.6
12.5°	5687.7	5717.5	5680.2	5625.4	5583.1	5575.6	5563.1	5558.2	5555.7	5553.2
15°	5799.7	5824.6	5777.3	5712.6	5667.7	5655.3	5642.8	5650.3	5662.8	5677.7
17.5°	5886.9	5911.8	5842.1	5757.4	5715.0	5710.1	5702.6	5727.5	5762.4	5799.7
20°	5966.6	5991.5	5901.8	5787.3	5737.5	5737.5	5740.0	5792.2	5842.1	5896.8
22.5°	6078.6	6098.5	5989.0	5832.1	5759.9	5764.9	5784.8	5837.1	5899.3	5974.0
25°	6245.5	6260.4	6125.9	5916.8	5834.6	5849.5	5867.0	5891.9	5951.6	6038.8
27.5°	6514.4	6526.9	6350.1	6066.2	5941.7	5966.6	5991.5	5974.0	6001.4	6076.1
30°	6892.9	6900.4	6676.3	6300.3	6123.4	6135.9	6140.9	6068.7	6016.4	6076.1
32.5°	7341.2	7338.7	7072.2	6584.1	6330.1	6317.7	6275.3	6133.4	6011.4	6063.7
35°	8035.9	8008.5	7664.9	6982.6	6564.2	6487.0	6387.4	6205.6	6036.3	6051.2
37.5°	9186.4	9101.7	8626.1	7635.0	6912.8	6716.1	6569.2	6322.7	6091.1	6046.2
40°	10483.8	10376.7	9853.8	8529.0	7435.8	7119.5	6883.0	6489.5	6180.7	6068.7
42.5°	12022.8	11870.9	11308.1	9582.4	8098.2	7640.0	7283.9	6701.2	6312.7	6140.9
45°	13912.8	13711.1	12914.3	10770.2	8932.4	8322.3	7846.7	7022.4	6514.4	6280.3
47.5°	15822.8	15872.6	14739.6	12129.9	9933.5	9164.0	8551.4	7505.5	6808.3	6504.4
50°	17852.4	17887.2	16555.0	13636.4	11069.0	10115.3	9343.3	8045.9	7216.7	6823.2
52.5°	19436.1	19441.1	18203.5	15212.7	12251.9	11161.2	10197.4	8663.5	7689.8	7246.5
55°	20427.3	20414.8	19359.0	16704.4	13611.5	12259.3	11143.7	9365.7	8267.5	7744.6
57.5°	21146.9	21109.6	20155.8	17986.8	15060.8	13556.7	12214.5	10162.6	8949.8	8337.2
60°	21420.9	21398.4	20696.2	19095.0	16584.9	14991.1	13449.7	11054.1	9724.3	9037.0
62.5°	21525.4	21567.8	21226.6	20168.3	18215.9	16579.9	14806.8	12119.9	10595.9	9828.9
65°	21894.0	21971.2	21901.5	21572.8	20058.7	18440.1	16607.3	13387.4	11547.1	10678.1
67.5°	22623.6	22700.8	22730.7	23253.7	22309.9	20758.5	18853.4	14966.2	12660.3	11559.6
70°	22606.2	22583.8	23111.7	24590.9	25128.8	23968.3	21881.5	16908.6	13987.6	12291.7
72.5°	20576.7	20397.4	21645.0	24576.0	27474.6	27320.2	25579.5	19413.7	15133.1	12381.4
75°	15436.9	14958.7	17162.6	22148.0	27865.5	29222.7	27930.3	20967.6	14861.6	10939.5
77.5°	6601.6	6121.0	8718.3	16395.6	24939.5	27317.7	25773.8	18293.1	11863.4	7234.1
80°	1728.2	1725.7	2634.7	7433.3	16960.9	20173.3	17698.0	11813.6	6778.4	2584.8
82.5°	714.7	697.3	968.7	2891.1	8287.4	11320.5	9238.7	5269.3	2447.9	699.8
85°	266.5	264.0	470.7	998.6	2923.5	4669.2	3379.2	1347.2	610.1	341.2
87.5°	74.7	72.2	102.1	346.1	712.2	1080.8	577.7	221.6	171.8	134.5
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°
5368.9	0°	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9	5368.9
5378.9	2.5°	5386.3	5398.8	5421.2	5438.6	5461.0	5485.9	5520.8	5543.2	5565.6	5580.6
5391.3	5°	5408.8	5436.1	5493.4	5550.7	5617.9	5680.2	5752.4	5804.7	5847.0	5859.5
5436.1	7.5°	5458.6	5503.4	5600.5	5697.6	5804.7	5906.8	6011.4	6101.0	6173.2	6200.6
5515.8	10°	5545.7	5605.5	5742.4	5879.4	6021.3	6178.2	6312.7	6442.2	6544.3	6586.6
5610.5	12.5°	5655.3	5730.0	5909.3	6098.5	6295.3	6511.9	6686.2	6845.6	6972.6	7029.9
5742.4	15°	5797.2	5894.3	6123.4	6377.4	6666.3	6967.6	7189.3	7366.1	7508.0	7577.7
5879.4	17.5°	5951.6	6081.1	6370.0	6753.5	7166.8	7562.8	7821.8	7951.3	8098.2	8165.4
6006.4	20°	6101.0	6260.4	6673.8	7231.6	7781.9	8202.8	8412.0	8446.8	8456.8	8464.3
6125.9	22.5°	6255.4	6469.6	7054.8	7834.2	8424.4	8715.8	8745.6	8596.2	8387.1	8289.9
6243.0	25°	6424.8	6708.6	7552.8	8499.1	8977.2	9012.1	8783.0	8419.4	8023.5	7841.7
6337.6	27.5°	6589.1	6985.1	8150.5	9134.1	9375.7	9069.4	8576.3	8060.8	7582.7	7391.0
6404.8	30°	6753.5	7301.3	8810.4	9689.4	9557.5	8927.4	8250.1	7674.9	7194.2	6992.5
6464.6	32.5°	6920.3	7669.9	9569.9	10090.4	9525.1	8626.1	7844.2	7241.6	6818.2	6606.5
6516.9	35°	7109.6	8123.1	10289.6	10309.5	9308.4	8182.9	7308.8	6723.6	6355.0	6185.7
6579.2	37.5°	7356.1	8698.3	10924.6	10364.3	8929.9	7532.9	6643.9	6111.0	5807.2	5730.0
6671.3	40°	7662.4	9390.6	11410.2	10277.1	8369.6	6743.5	5916.8	5490.9	5319.1	5336.5
6795.8	42.5°	8060.8	10165.1	11751.3	10053.0	7590.2	5929.2	5279.3	5090.0	5172.2	5241.9
6982.6	45°	8578.8	10969.4	11963.0	9672.0	6708.6	5239.4	4903.2	4948.1	5010.3	5017.8
7283.9	47.5°	9241.2	11783.7	12102.5	9096.8	5809.7	4753.8	4664.2	4674.1	4661.7	4609.4
7734.6	50°	10068.0	12575.6	12227.0	8334.8	5045.2	4450.0	4330.5	4295.6	4123.8	3954.5
8334.8	52.5°	11009.3	13302.7	12279.3	7388.5	4450.0	4196.0	4001.8	3782.6	3461.4	3409.1
9089.3	55°	12055.1	13975.1	12144.8	6225.5	3949.5	3869.8	3576.0	3312.0	3277.1	3232.3
10082.9	57.5°	13305.2	14699.8	11870.9	4928.1	3436.5	3488.8	3202.4	3232.3	3170.0	3100.3
11360.4	60°	14672.4	15449.3	11390.3	3745.3	2906.1	3013.2	3105.3	3102.8	3085.4	3028.1
12707.6	62.5°	15902.5	15942.4	10444.0	2868.7	2440.4	2644.6	2896.1	2893.6	2878.7	2846.3
14114.6	65°	16634.7	15867.7	8865.2	2258.6	2056.9	2340.8	2612.2	2632.2	2634.7	2632.2
15172.9	67.5°	16505.2	14993.6	6698.7	1797.9	1740.7	2032.0	2330.8	2358.2	2378.2	2383.1
15307.4	70°	15040.9	13073.6	4367.8	1434.4	1459.3	1760.6	2064.4	2091.8	2109.2	2129.1
13282.8	72.5°	11723.9	9612.2	2500.2	1160.4	1212.7	1526.5	1800.4	1832.8	1842.8	1880.1
9243.7	75°	7144.4	5652.8	1349.7	913.9	996.1	1304.9	1539.0	1576.3	1593.7	1638.6
4539.7	77.5°	3396.7	2447.9	769.5	712.2	801.9	1065.8	1299.9	1342.2	1294.9	1319.8
1252.6	80°	1148.0	908.9	485.6	542.9	612.6	831.7	1040.9	1083.2	983.6	978.7
415.9	82.5°	400.9	368.6	308.8	361.1	395.9	595.2	786.9	841.7	732.1	729.6
186.8	85°	156.9	149.4	171.8	196.7	236.6	366.1	518.0	545.4	450.7	363.6
54.8	87.5°	32.4	34.9	42.3	44.8	72.2	127.0	186.8	229.1	181.8	154.4
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



180°
5368.9
5570.6
5864.5
6203.1
6589.1
7029.9
7572.8
8162.9
8484.2
8317.3
7869.1
7413.4
7014.9
6633.9
6223.1
5784.8
5396.3
5306.7
5067.6
4649.2
3976.9
3426.5
3239.8
3087.9
3008.2
2833.9
2632.2
2388.1
2139.1
1895.1
1643.5
1299.9
968.7
694.8
358.6
141.9
0.0

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