

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: P851058

Luminaire Tested: **GLAN-SB8D-835-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851058  
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-SB8D-835-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 68176 lumens  
Efficiency: N/A  
Efficacy: 116.6 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

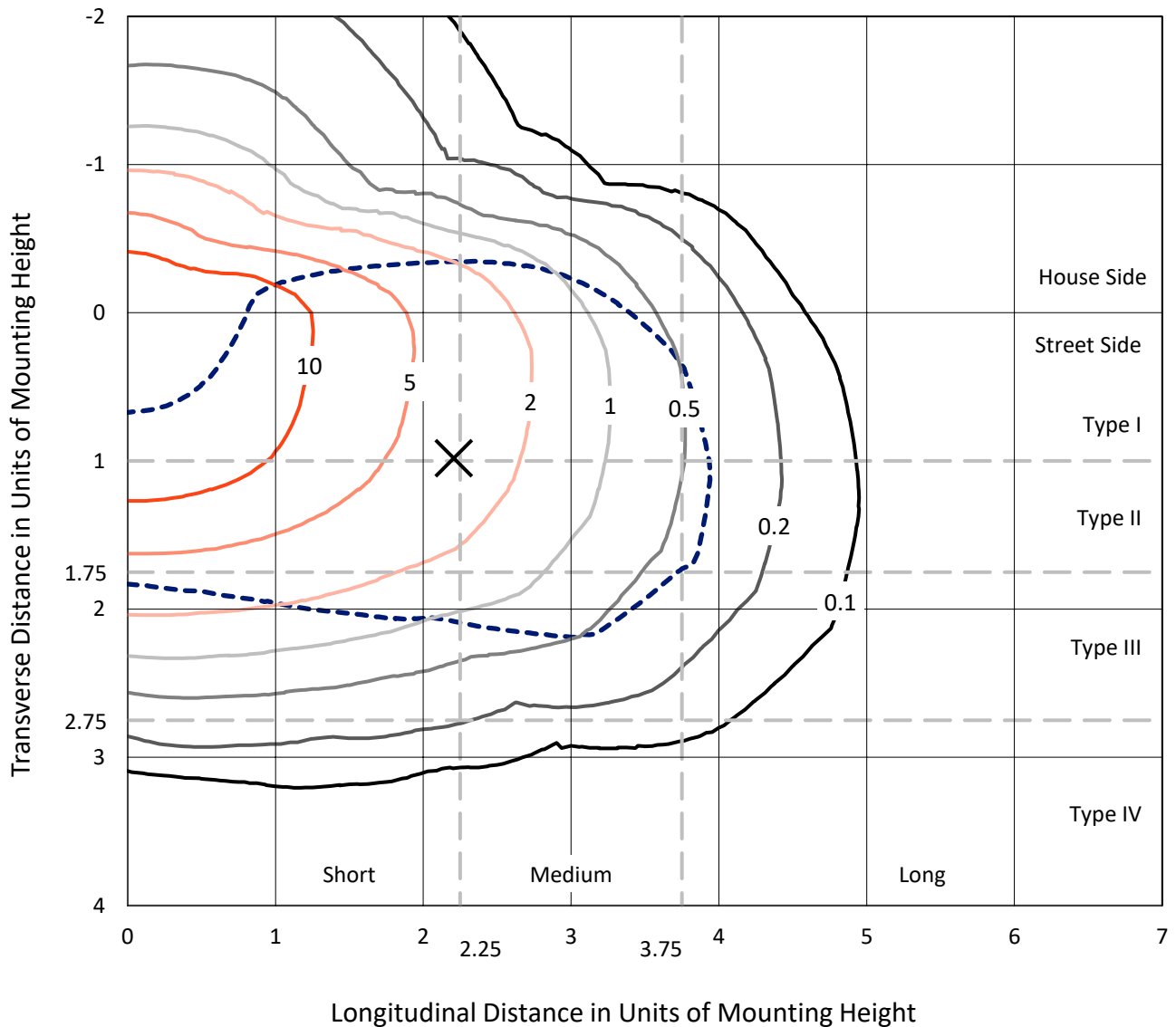
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

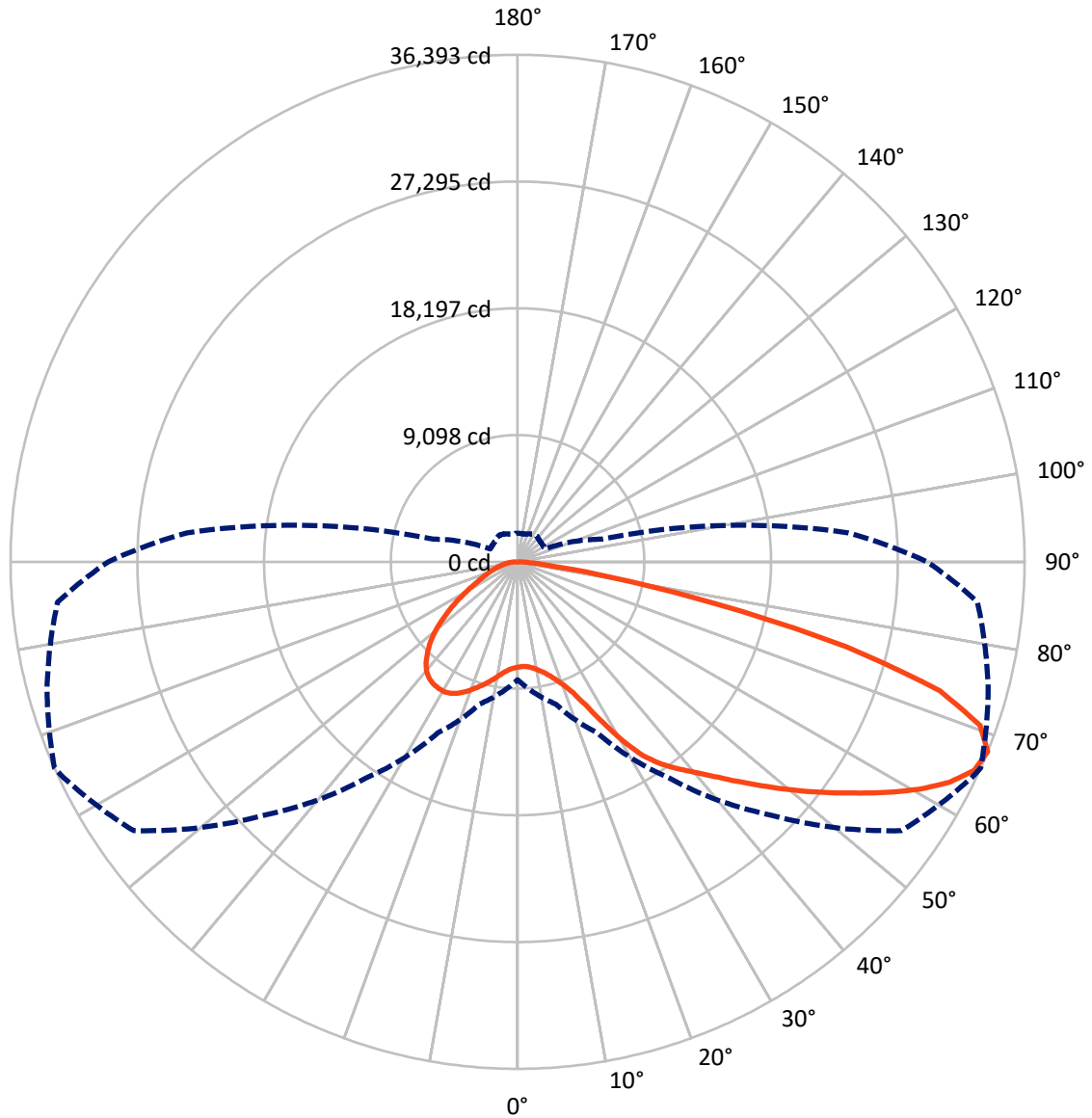
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.1 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	16951.8	0.0	16951.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	51224.2	0.0	51224.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	68176.0	0.0	68176.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	749.7	1.1
10°-20°	2476.9	3.6
20°-30°	4774.1	7.0
30°-40°	8370.8	12.3
40°-50°	12444.7	18.3
50°-60°	15774.8	23.1
60°-70°	15435.3	22.6
70°-80°	7362.8	10.8
80°-90°	786.9	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°	68176.0	100.0
0°-180°	68176.0	100.0

**Coefficient of Utilization**

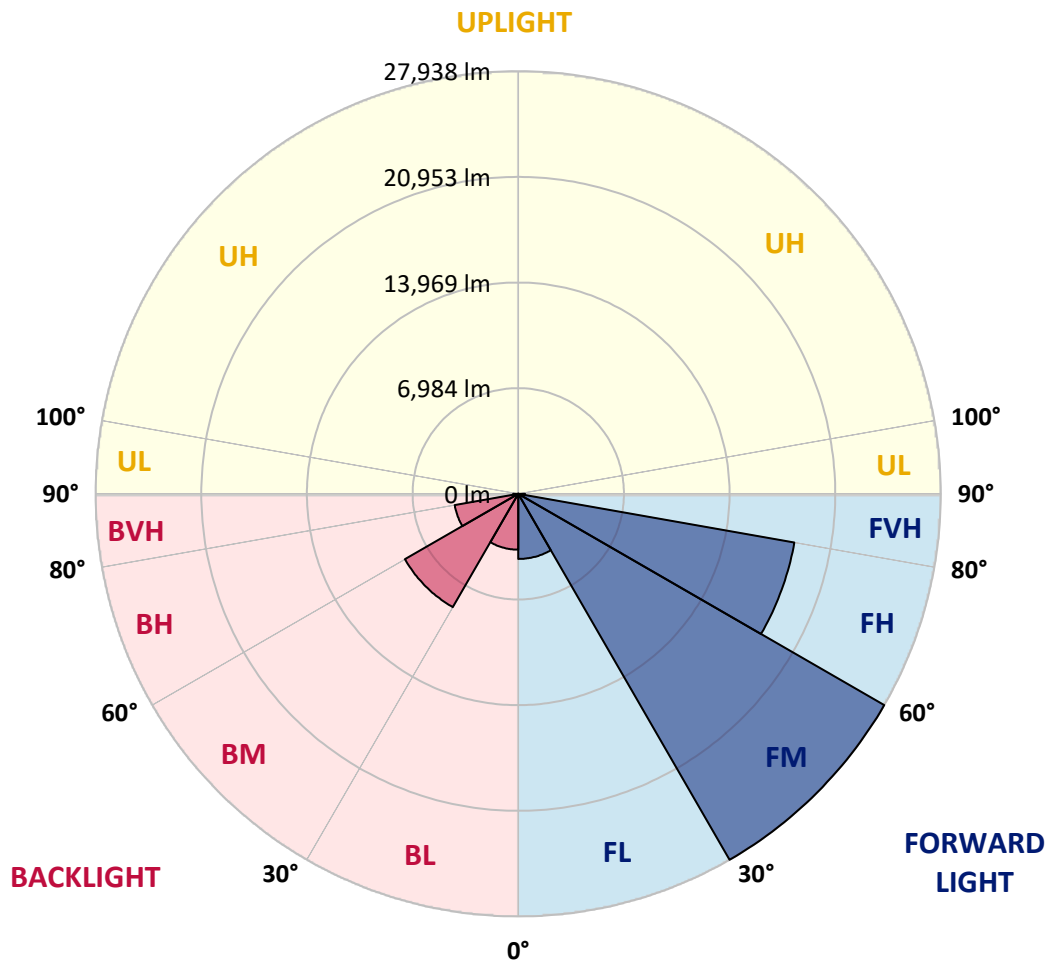


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4308.0	6.3			
FM	(30°-60°)	27937.9	41.0			
FH	(60°-80°)	18532.1	27.2			G5
FVH	(80°-90°)	446.1	0.7			G3/500
BL	(0°-30°)	3692.7	5.4	B4/5000		
BM	(30°-60°)	8652.4	12.7	B5		
BH	(60°-80°)	4265.9	6.3	B4/5000		G4/5000
BVH	(80°-90°)	340.7	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°	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6
2.5°	7482.8	7525.8	7515.1	7497.1	7493.6	7500.7	7511.5	7522.2	7518.6	7536.5
5°	7461.3	7504.3	7500.7	7500.7	7515.1	7543.7	7561.6	7579.5	7561.6	7583.1
7.5°	7475.7	7507.9	7522.2	7536.5	7572.4	7626.1	7669.1	7708.5	7687.0	7712.1
10°	7658.3	7683.4	7697.7	7697.7	7722.8	7783.7	7826.7	7898.3	7880.4	7919.8
12.5°	7991.5	8016.5	8016.5	8002.2	8020.1	8059.5	8073.8	8152.7	8120.4	8184.9
15°	8399.8	8450.0	8410.6	8385.5	8392.6	8432.0	8428.5	8489.4	8457.1	8510.9
17.5°	8851.1	8915.6	8851.1	8847.6	8833.2	8876.2	8879.8	8933.5	8876.2	8915.6
20°	9384.9	9474.4	9420.7	9438.6	9406.4	9424.3	9442.2	9521.0	9431.4	9460.1
22.5°	10137.1	10244.5	10187.2	10255.3	10233.8	10219.5	10215.9	10355.6	10215.9	10226.6
25°	11233.2	11362.1	11261.8	11355.0	11355.0	11401.5	11455.3	11634.4	11401.5	11333.5
27.5°	12852.2	12981.2	12784.2	12841.5	12823.6	12938.2	12880.9	13325.1	13074.3	12963.3
30°	14800.9	15030.1	14657.6	14643.2	14625.3	14808.0	14890.4	15184.1	14929.8	14818.8
32.5°	16907.1	17147.1	16702.9	16574.0	16505.9	16616.9	16548.9	16785.3	16609.8	16437.8
35°	19135.1	19371.5	18948.8	18698.1	18425.9	18193.0	17949.4	18010.3	17845.6	17584.1
37.5°	21241.3	21674.7	21227.0	20958.3	20456.8	20001.9	19321.4	19038.4	18884.3	18644.4
40°	23386.9	23634.1	23293.8	23064.6	22520.1	21807.3	20718.3	20120.1	19912.4	19679.6
42.5°	24966.6	25203.0	25020.3	24862.7	24436.5	23609.0	22201.3	21452.6	21151.8	20890.3
45°	26220.3	26395.8	26281.2	26338.5	26155.8	25353.5	23738.0	22881.9	22570.2	22251.4
47.5°	26725.4	26911.6	27094.3	27434.6	27746.2	27155.2	25389.3	24429.3	24099.8	23773.8
50°	26668.1	26857.9	27388.0	28111.6	29078.7	28881.7	27130.1	26077.0	25772.5	25400.0
52.5°	26209.6	26424.5	27105.1	28308.6	29848.9	30174.8	28903.2	27778.5	27491.9	27047.7
55°	25006.0	25135.0	26155.8	27860.9	30031.6	31077.5	30640.5	29591.0	29304.4	28684.7
57.5°	22774.4	22960.7	24447.2	26653.7	29573.1	31690.0	32166.4	31496.6	31220.8	30328.9
60°	19862.2	20159.5	21861.0	24626.3	28405.3	31686.4	33552.7	33370.0	33140.7	31947.9
62.5°	16566.8	16910.7	18547.6	21760.7	26363.6	30787.4	34419.5	34938.9	34820.7	33441.6
65°	12723.3	12959.7	14589.5	18053.3	23186.3	28856.7	34519.8	36009.9	36031.4	34577.1
67.5°	8471.4	9152.0	10566.9	13547.2	18930.9	25700.9	33638.6	36185.4	36393.2	34967.6
70°	4133.6	5029.1	6415.4	8804.6	13547.2	20861.6	31335.4	34745.5	35207.6	33828.5
72.5°	1715.8	2005.9	2761.7	4345.0	7776.5	14077.3	26707.5	30841.1	31697.2	29974.2
75°	1157.0	1253.7	1579.7	2228.0	3542.6	6941.9	19260.5	22996.5	24375.6	22638.3
77.5°	891.9	952.8	1149.8	1558.2	2106.2	2625.6	10309.0	13858.8	14571.6	13489.8
80°	702.1	748.6	859.7	1135.5	1493.7	1404.1	3514.0	6279.3	6691.2	5613.0
82.5°	608.9	626.9	616.1	770.1	992.2	820.3	1153.4	2317.6	2557.6	1855.5
85°	440.6	490.7	512.2	476.4	526.6	415.5	472.8	820.3	902.7	806.0
87.5°	179.1	265.1	326.0	308.1	193.4	118.2	146.9	240.0	275.8	300.9
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°
7561.6	0°	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6	7561.6
7565.2	2.5°	7568.8	7593.9	7611.8	7633.3	7647.6	7669.1	7712.1	7737.1	7740.7	7758.6
7622.5	5°	7636.8	7672.7	7712.1	7769.4	7833.9	7887.6	7970.0	8027.3	8048.8	8066.7
7762.2	7.5°	7783.7	7833.9	7905.5	8005.8	8098.9	8170.6	8270.9	8338.9	8407.0	8432.0
7984.3	10°	8002.2	8073.8	8177.7	8313.8	8414.1	8507.3	8611.1	8668.5	8736.5	8765.2
8249.4	12.5°	8274.4	8349.7	8485.8	8675.6	8768.8	8833.2	8869.1	8854.7	8869.1	8894.1
8568.2	15°	8586.1	8668.5	8822.5	9026.7	9091.1	9033.8	8955.0	8883.4	8872.6	8879.8
8955.0	17.5°	8955.0	9015.9	9195.0	9367.0	9320.4	9084.0	8912.0	8797.4	8740.1	8722.2
9449.3	20°	9470.8	9470.8	9617.7	9725.2	9413.5	9012.3	8743.7	8557.4	8439.2	8389.1
10122.8	22.5°	10097.7	10040.4	10133.5	10058.3	9395.6	8811.7	8439.2	8116.8	7937.7	7866.1
11064.8	25°	10892.9	10824.8	10799.8	10334.1	9266.7	8492.9	7887.6	7497.1	7339.5	7300.1
12422.4	27.5°	12092.9	11920.9	11595.0	10484.5	9030.2	7991.5	7242.8	6881.0	6791.5	6795.1
14166.8	30°	13690.4	13346.6	12547.8	10509.6	8643.4	7282.2	6583.7	6325.8	6282.8	6300.8
15631.9	32.5°	15169.8	14843.8	13522.1	10395.0	8048.8	6587.3	5992.7	5820.8	5756.3	5777.8
16749.5	35°	16330.4	16240.8	14424.7	10233.8	7318.0	5935.4	5462.6	5315.7	5190.3	5161.7
17802.6	37.5°	17426.5	17390.6	15101.7	10008.1	6594.5	5473.3	5036.3	4842.9	4660.2	4559.9
18966.7	40°	18630.0	18594.2	15545.9	9660.7	5953.3	5072.1	4653.0	4398.7	4173.0	3990.4
20284.9	42.5°	19984.0	19772.7	15757.3	9162.8	5408.8	4731.8	4341.4	3997.5	3700.2	3531.9
21775.0	45°	21463.4	20987.0	15753.7	8528.8	4950.3	4420.2	4008.3	3521.1	3245.3	3087.7
23304.5	47.5°	23032.3	22147.6	15560.2	7826.7	4506.2	4076.3	3492.5	3119.9	2937.2	2840.5
24966.6	50°	24651.4	23232.9	15230.7	7020.7	4051.3	3685.9	3170.1	2915.8	2776.1	2686.5
26614.3	52.5°	26173.7	24218.0	14833.1	6107.3	3589.2	3306.2	3026.8	2829.8	2682.9	2582.6
28211.9	55°	27588.6	25066.9	14270.7	5172.4	3213.1	3051.9	2958.7	2794.0	2625.6	2507.4
29834.5	57.5°	28845.9	25618.5	13300.0	4294.8	2944.4	2876.4	2887.1	2733.1	2539.6	2439.3
31432.1	60°	29891.9	26023.3	11863.6	3481.7	2725.9	2704.4	2776.1	2618.4	2392.8	2278.2
32782.5	62.5°	30518.7	26016.1	10101.3	2851.3	2539.6	2546.8	2629.2	2475.2	2245.9	2138.5
33488.2	65°	30465.0	25378.5	8167.0	2439.3	2360.5	2367.7	2475.2	2317.6	2124.1	2059.7
33133.6	67.5°	29386.8	23823.9	6264.9	2170.7	2163.5	2195.8	2321.1	2210.1	2048.9	2041.7
31020.2	70°	26467.5	20596.5	4513.3	1955.8	1959.4	2005.9	2170.7	2142.0	2009.5	2023.8
26080.6	72.5°	21223.4	15703.5	3030.4	1730.1	1733.7	1808.9	2027.4	2088.3	1970.1	2160.0
18504.7	75°	14134.6	9793.2	1948.6	1490.1	1493.7	1590.4	1902.0	1984.4	1862.6	2152.8
9628.4	77.5°	6791.5	4402.3	1411.3	1253.7	1253.7	1343.3	1644.1	1776.7	1586.8	1672.8
3094.9	80°	2346.2	1654.9	1110.4	1010.1	988.6	1049.5	1386.2	1540.3	1368.3	1260.9
1010.1	82.5°	924.2	859.7	891.9	784.5	712.8	752.2	1078.2	1271.6	1006.5	909.8
569.5	85°	530.1	558.8	630.4	519.4	411.9	462.1	791.6	913.4	759.4	669.8
186.3	87.5°	143.3	197.0	290.1	268.7	186.3	197.0	376.1	505.1	437.0	336.7
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>
7561.6
7755.0
8063.1
8435.6
8779.5
8901.3
8904.9
8747.3
8378.3
7855.3
7307.3
6805.8
6361.6
5806.4
5183.2
4563.5
4008.3
3542.6
3080.5
2819.0
2654.3
2539.6
2460.8
2374.9
2228.0
2106.2
2056.1
2052.5
2020.3
2188.6
2170.7
1533.1
1182.1
906.2
684.2
347.5
0.0

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