

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: P851717

Luminaire Tested: **GLAN-SB9D-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851717
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-SB9D-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 900mA 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: 57958 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

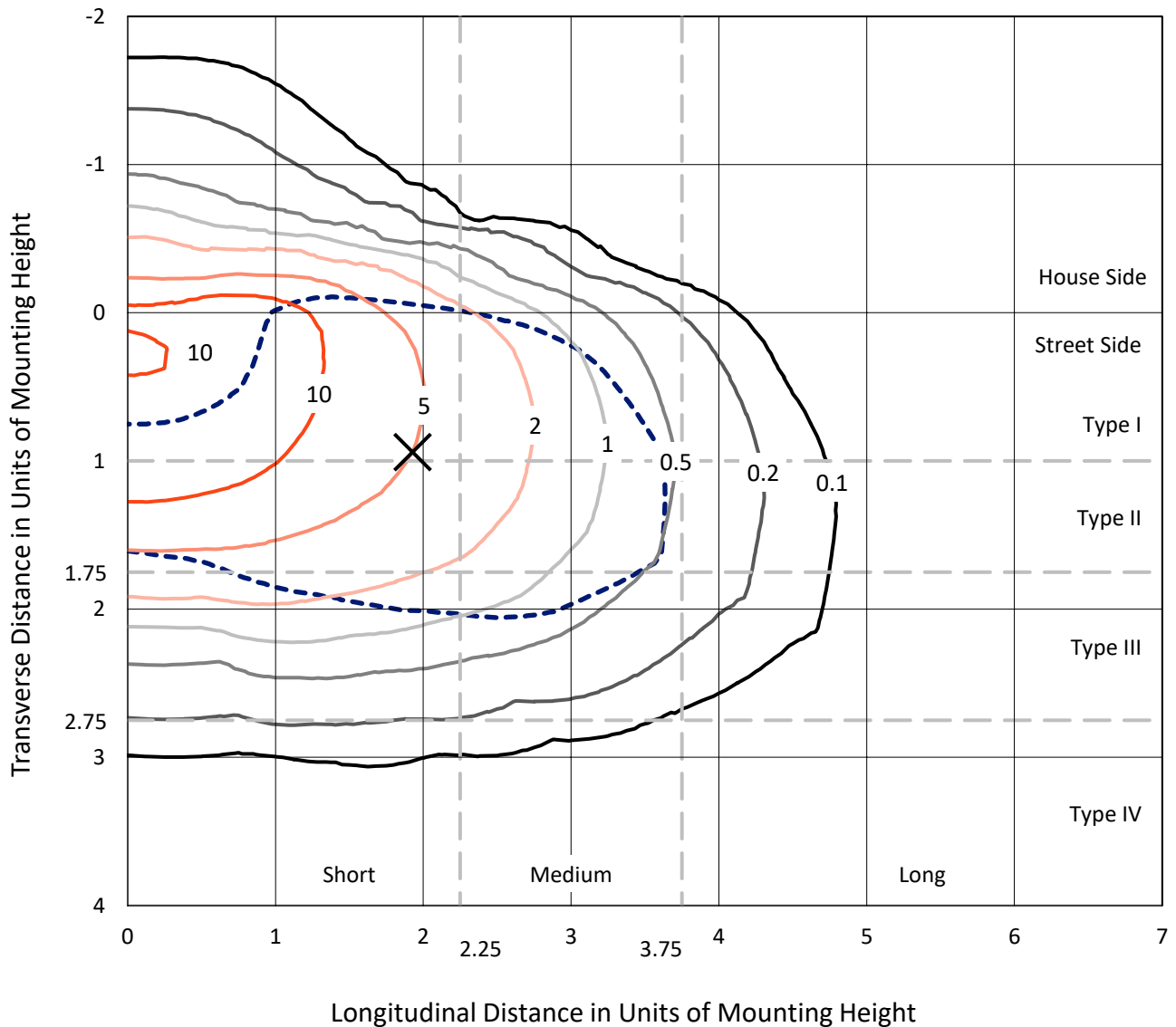
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

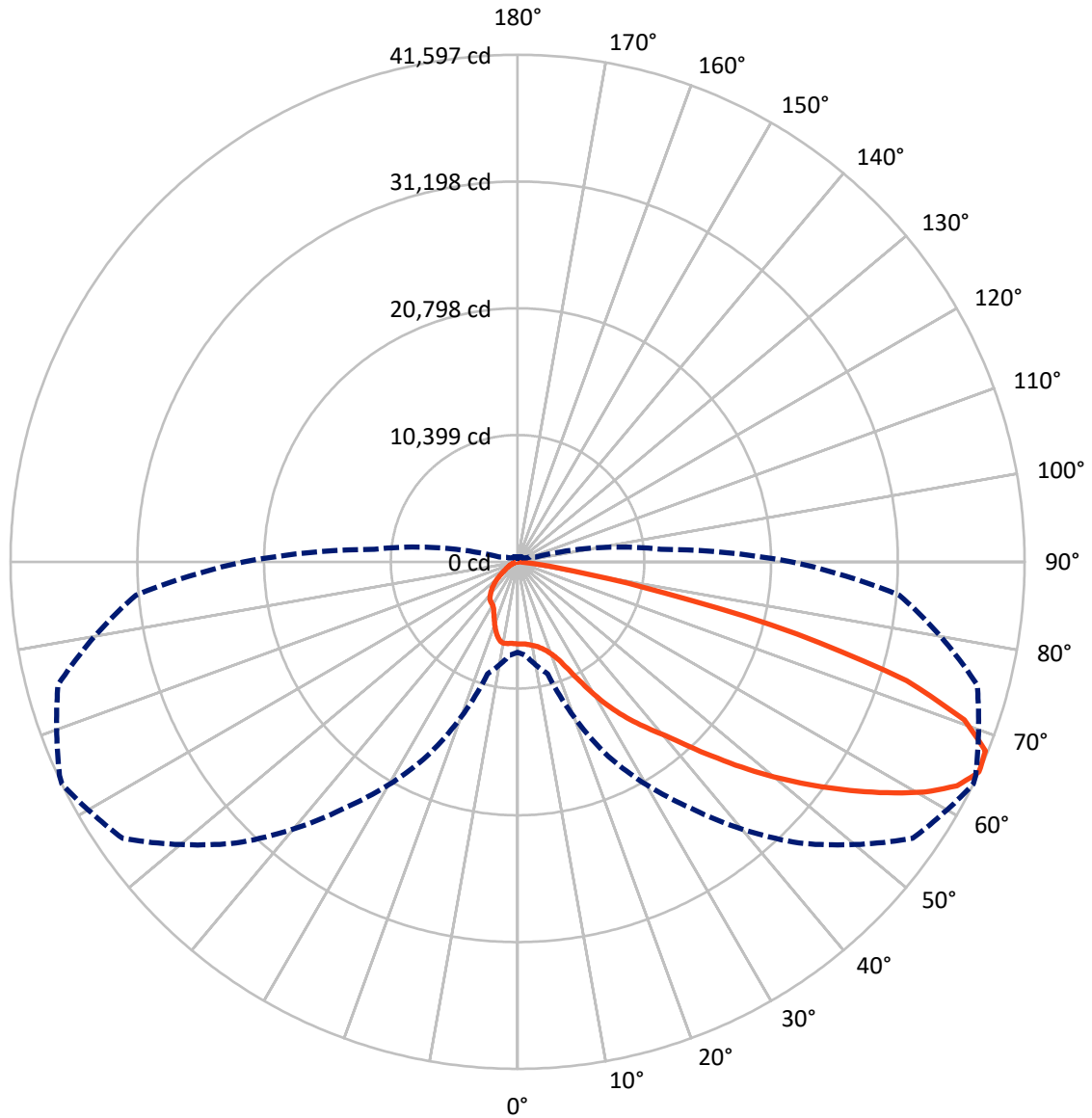
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 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	7750.7	0.0	7750.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	50207.3	0.0	50207.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	57958.0	0.0	57958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.9	1.1
10°-20°	1686.9	2.9
20°-30°	3196.5	5.5
30°-40°	6468.1	11.2
40°-50°	11018.5	19.0
50°-60°	14984.4	25.9
60°-70°	14071.1	24.3
70°-80°	5637.5	9.7
80°-90°	273.1	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°	57958.0	100.0
0°-180°	57958.0	100.0

Coefficient of Utilization



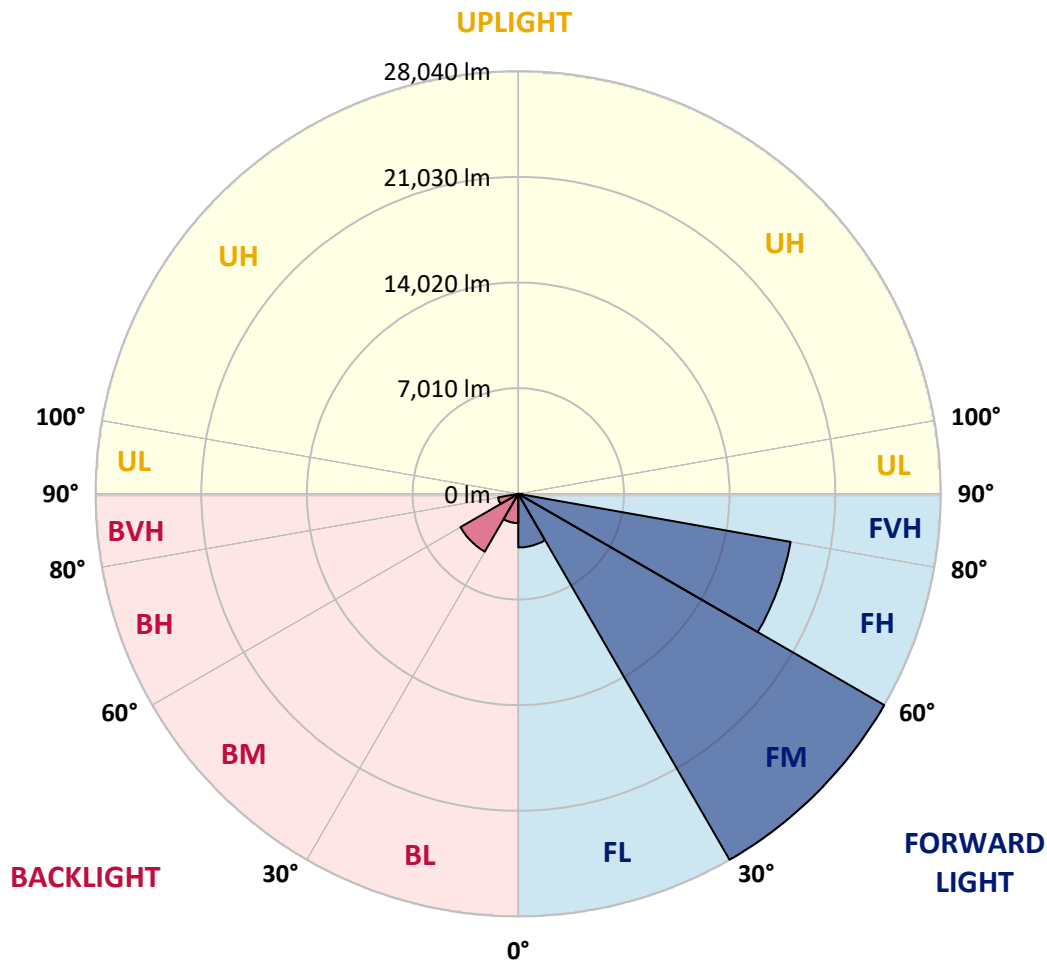
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3559.3	6.1			
FM (30°-60°)	28040.0	48.4			
FH (60°-80°)	18348.2	31.7			G5
FVH (80°-90°)	259.8	0.4			G3/500
BL (0°-30°)	1946.0	3.4	B3/2500		
BM (30°-60°)	4431.0	7.6	B3/5000		
BH (60°-80°)	1360.4	2.3	B3/2500		G3/2500
BVH (80°-90°)	13.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1
2.5°	6717.8	6764.4	6752.8	6741.1	6737.2	6745.0	6748.9	6745.0	6745.0	6745.0
5°	6589.6	6628.4	6628.4	6655.6	6694.5	6741.1	6776.1	6783.9	6791.6	6803.3
7.5°	6344.8	6375.9	6399.2	6488.6	6585.7	6710.0	6814.9	6869.3	6877.1	6919.8
10°	6177.7	6216.6	6255.4	6348.7	6488.6	6675.1	6853.8	6985.9	7005.3	7106.3
12.5°	6170.0	6208.8	6259.3	6360.4	6523.5	6721.7	6939.3	7129.7	7164.6	7312.3
15°	6251.6	6298.2	6344.8	6469.1	6644.0	6884.9	7118.0	7355.0	7390.0	7599.8
17.5°	6418.6	6480.8	6515.8	6640.1	6826.6	7094.7	7401.6	7673.6	7704.7	7949.5
20°	6748.9	6822.7	6834.4	6935.4	7118.0	7405.5	7770.7	8108.8	8147.6	8427.4
22.5°	7432.7	7537.6	7444.4	7494.9	7658.1	7945.6	8341.9	8769.3	8823.7	9142.3
25°	8637.2	8784.8	8543.9	8458.5	8528.4	8827.6	9324.9	9865.0	9927.1	10183.6
27.5°	11003.4	10813.0	10447.8	10090.3	9880.5	10051.5	10610.9	11279.2	11356.9	11605.6
30°	13602.7	13435.6	12942.2	12149.6	11652.2	11625.0	12141.8	12887.8	12977.1	13214.1
32.5°	16205.9	16046.6	15510.4	14535.2	13672.6	13245.2	13602.7	14430.3	14476.9	14628.4
35°	18766.3	18603.2	18067.0	17068.4	16007.7	15036.4	14966.4	15898.9	15914.5	16073.8
37.5°	21342.3	21206.4	20635.2	19656.1	18610.9	17270.5	16621.6	17289.9	17309.3	17464.7
40°	23180.1	23238.4	22846.0	22088.3	21190.8	19726.0	18478.8	18770.2	18653.7	18914.0
42.5°	24757.6	24874.1	24532.2	24151.5	23630.8	22340.9	20779.0	20728.4	20542.0	20681.8
45°	26121.3	26218.5	25911.5	25822.2	25810.5	24905.2	23292.8	22989.7	22729.4	22702.2
47.5°	26622.6	26809.1	26941.2	27240.3	27823.1	27442.4	25892.1	25422.0	25130.6	24916.9
50°	26812.9	27011.1	27461.8	28332.1	29711.4	29874.6	28479.8	27951.4	27593.9	27205.4
52.5°	26556.5	26910.1	27516.2	28981.0	30981.9	31825.1	30962.5	30500.2	30092.2	29458.9
55°	25045.1	25398.7	26638.1	28973.2	31615.3	33192.7	33309.3	33103.4	32644.9	31646.3
57.5°	21859.1	22383.6	24345.7	27986.3	31603.6	34370.0	35609.4	35757.1	35244.2	33814.4
60°	17445.3	18156.3	20549.7	25798.9	30628.4	35007.2	37625.9	38364.1	37820.2	35951.3
62.5°	12172.9	12996.6	15261.7	22372.0	28398.2	34548.7	39098.5	40462.2	40050.4	37862.9
65°	7424.9	7689.1	9515.3	17604.6	24606.0	32629.3	39553.1	41596.8	41460.8	39032.4
67.5°	4946.1	5167.5	5692.1	12071.8	19100.5	28794.5	38465.2	41398.6	41437.5	38842.0
70°	2980.1	3170.5	3512.4	7020.9	12378.8	22791.6	35096.5	38873.1	39098.5	36297.1
72.5°	1227.8	1356.0	1666.8	3182.1	6410.9	14465.2	27947.5	33375.3	33899.9	30519.6
75°	695.5	761.5	979.1	1596.9	2781.9	6741.1	16928.6	23693.0	24466.2	21035.4
77.5°	462.4	493.4	633.3	1033.5	1565.8	2300.1	7234.6	12343.8	13820.3	11489.0
80°	310.8	338.0	435.2	691.6	1018.0	986.9	2304.0	4573.1	5626.0	3947.5
82.5°	209.8	213.7	310.8	454.6	645.0	477.9	679.9	1422.0	1787.3	1142.3
85°	120.4	116.6	229.2	264.2	287.5	198.2	205.9	427.4	559.5	481.8
87.5°	15.5	23.3	89.4	69.9	38.9	42.7	42.7	73.8	108.8	116.6
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°
6741.1	0°	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1	6741.1
6748.9	2.5°	6748.9	6745.0	6733.3	6721.7	6694.5	6679.0	6686.7	6679.0	6675.1	6679.0
6799.4	5°	6799.4	6787.7	6756.7	6717.8	6663.4	6597.4	6554.6	6492.5	6434.2	6399.2
6935.4	7.5°	6935.4	6923.7	6881.0	6772.2	6597.4	6321.5	6068.9	5847.5	5680.4	5583.3
7153.0	10°	7153.0	7133.5	7067.5	6826.6	6368.1	5765.9	5264.7	4848.9	4577.0	4448.7
7409.4	12.5°	7409.4	7386.1	7269.5	6776.1	5933.0	4992.7	4301.1	3838.7	3586.2	3473.5
7704.7	15°	7712.5	7681.4	7452.1	6535.2	5299.6	4137.9	3504.6	3158.8	2995.6	2894.6
8081.6	17.5°	8089.3	8034.9	7588.1	6173.9	4611.9	3485.2	3015.0	2754.7	2611.0	2513.8
8575.0	20°	8578.9	8489.5	7696.9	5742.6	3978.6	3073.3	2684.8	2467.2	2358.4	2272.9
9274.4	22.5°	9262.7	9134.5	7829.0	5276.3	3531.8	2789.7	2440.0	2280.7	2191.3	2094.2
10249.6	25°	10109.7	9958.2	7992.2	4845.1	3224.9	2544.9	2261.3	2129.2	2024.3	1911.6
11527.9	27.5°	11294.8	11022.8	8186.5	4491.5	2960.7	2335.1	2098.1	1950.5	1830.0	1736.8
12977.1	30°	12615.8	12169.0	8357.4	4277.8	2719.8	2140.8	1884.4	1736.8	1624.1	1558.0
14278.7	32.5°	13866.9	13260.8	8470.1	4184.5	2502.2	1919.4	1651.3	1492.0	1406.5	1387.1
15553.1	35°	15048.0	14247.7	8458.5	4095.2	2307.9	1697.9	1422.0	1258.9	1192.8	1204.5
16924.7	37.5°	16407.9	15300.6	8376.9	3955.3	2148.6	1495.9	1223.9	1080.1	1021.9	1025.7
18591.5	40°	17989.3	16516.7	8326.3	3691.1	1973.8	1309.4	1060.7	944.1	901.4	885.9
20347.7	42.5°	19675.5	17694.0	8334.1	3391.9	1756.2	1142.3	948.0	850.9	812.0	800.4
22302.0	45°	21369.5	18816.8	8345.8	3081.1	1527.0	1014.1	866.4	784.8	761.5	746.0
24283.6	47.5°	22962.5	19772.6	8128.2	2747.0	1301.6	916.9	800.4	746.0	726.6	707.1
26272.9	50°	24446.7	20409.8	7603.7	2358.4	1122.9	839.2	749.9	711.0	691.6	672.2
28075.7	52.5°	25600.7	20510.9	6737.2	1958.2	998.5	781.0	718.8	683.8	660.5	641.1
29532.7	55°	26113.6	19877.6	5505.6	1585.2	901.4	730.4	687.7	652.7	625.5	606.1
30678.9	57.5°	25981.5	18544.9	4293.3	1274.4	808.2	679.9	648.9	625.5	594.5	563.4
31607.5	60°	25332.6	16761.5	3236.5	1060.7	722.7	625.5	606.1	586.7	544.0	497.3
31964.9	62.5°	24209.7	14519.6	2307.9	878.1	629.4	563.4	555.6	540.1	477.9	392.4
31436.5	65°	22492.4	11796.0	1554.1	730.4	540.1	493.4	497.3	470.1	388.5	291.4
29501.6	67.5°	19982.5	8625.5	994.7	598.3	450.7	411.8	415.7	400.2	330.3	248.7
25833.8	70°	16784.8	5711.5	648.9	454.6	361.3	318.6	341.9	345.8	279.7	202.0
19827.0	72.5°	12305.0	3372.5	454.6	338.0	264.2	221.5	279.7	287.5	225.4	151.5
11928.1	75°	7013.1	1600.8	341.9	244.8	163.2	155.4	217.6	217.6	155.4	101.0
5163.7	77.5°	2945.1	668.3	240.9	159.3	93.2	89.4	147.6	136.0	77.7	46.6
1258.9	80°	850.9	299.2	128.2	77.7	38.9	35.0	58.3	42.7	19.4	7.8
477.9	82.5°	334.1	132.1	50.5	31.1	15.5	15.5	7.8	0.0	0.0	0.0
272.0	85°	198.2	54.4	23.3	11.7	3.9	0.0	0.0	0.0	0.0	0.0
58.3	87.5°	50.5	11.7	7.8	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

180°
6741.1
6694.5
6407.0
5587.2
4437.1
3461.9
2898.5
2506.1
2257.4
2078.7
1899.9
1717.3
1546.4
1398.7
1204.5
1041.3
882.0
796.5
746.0
707.1
672.2
637.2
602.2
559.5
489.6
384.7
283.6
237.0
194.3
143.8
93.2
46.6
7.8
0.0
0.0
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