

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: P850375

Luminaire Tested: **GLAN-SB7D-835-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43755 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

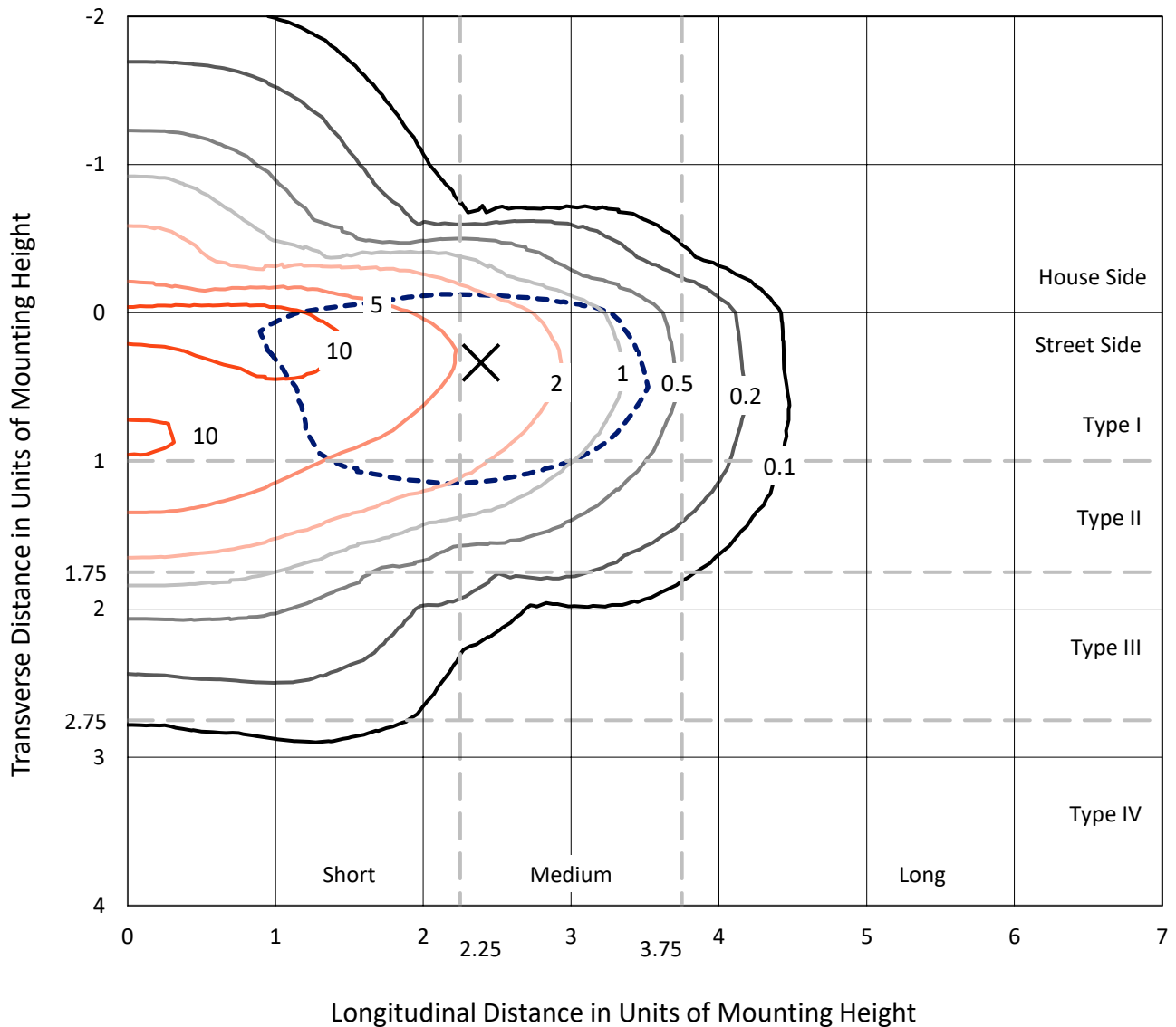
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

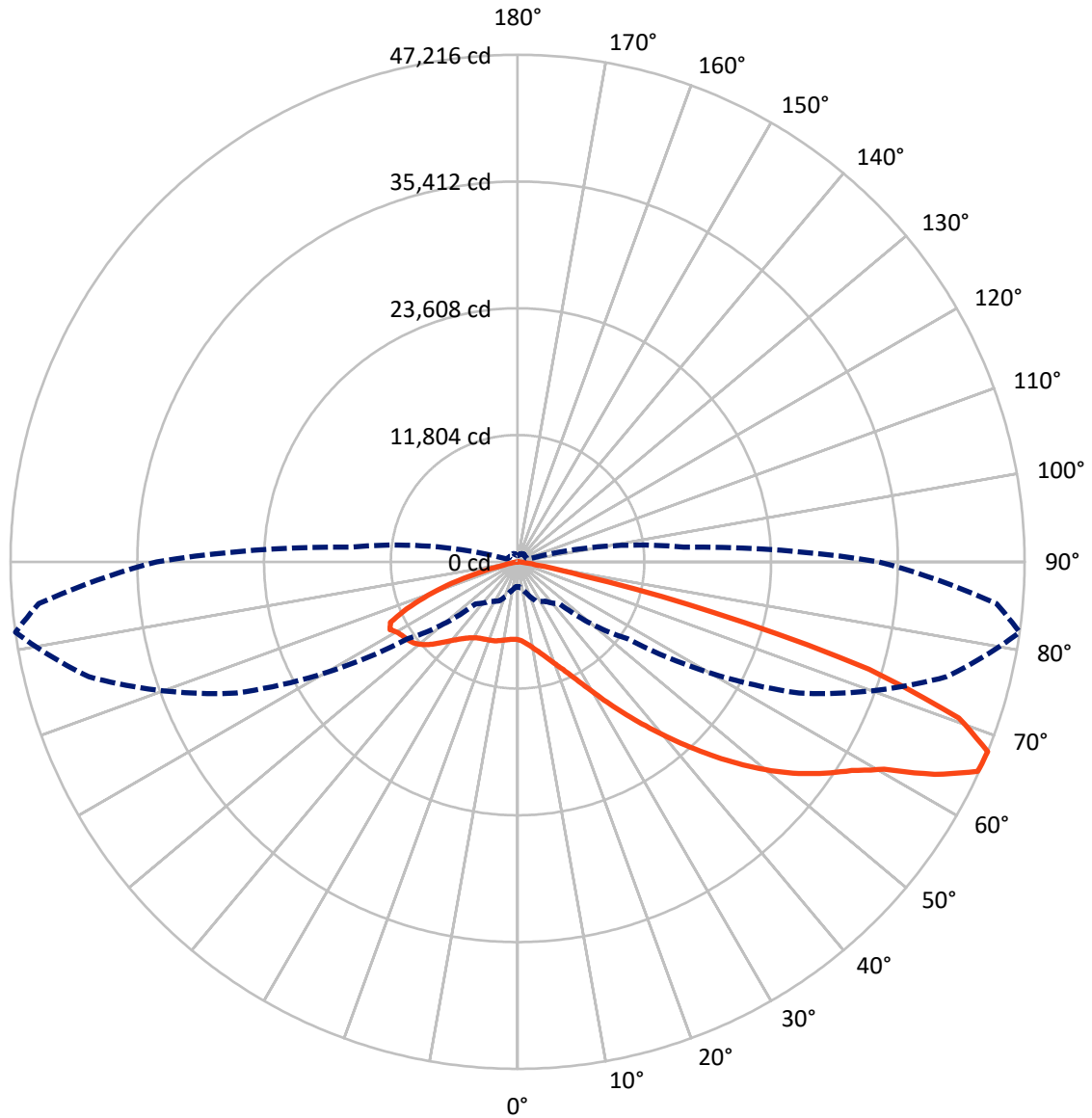
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7925.8	0.0	7925.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	35829.2	0.0	35829.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	43755.0	0.0	43755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.8	1.5
10°-20°	1678.2	3.8
20°-30°	2687.9	6.1
30°-40°	4753.1	10.9
40°-50°	8327.9	19.0
50°-60°	11107.0	25.4
60°-70°	10340.1	23.6
70°-80°	3968.5	9.1
80°-90°	246.5	0.6
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°	43755.0	100.0
0°-180°	43755.0	100.0

Coefficient of Utilization

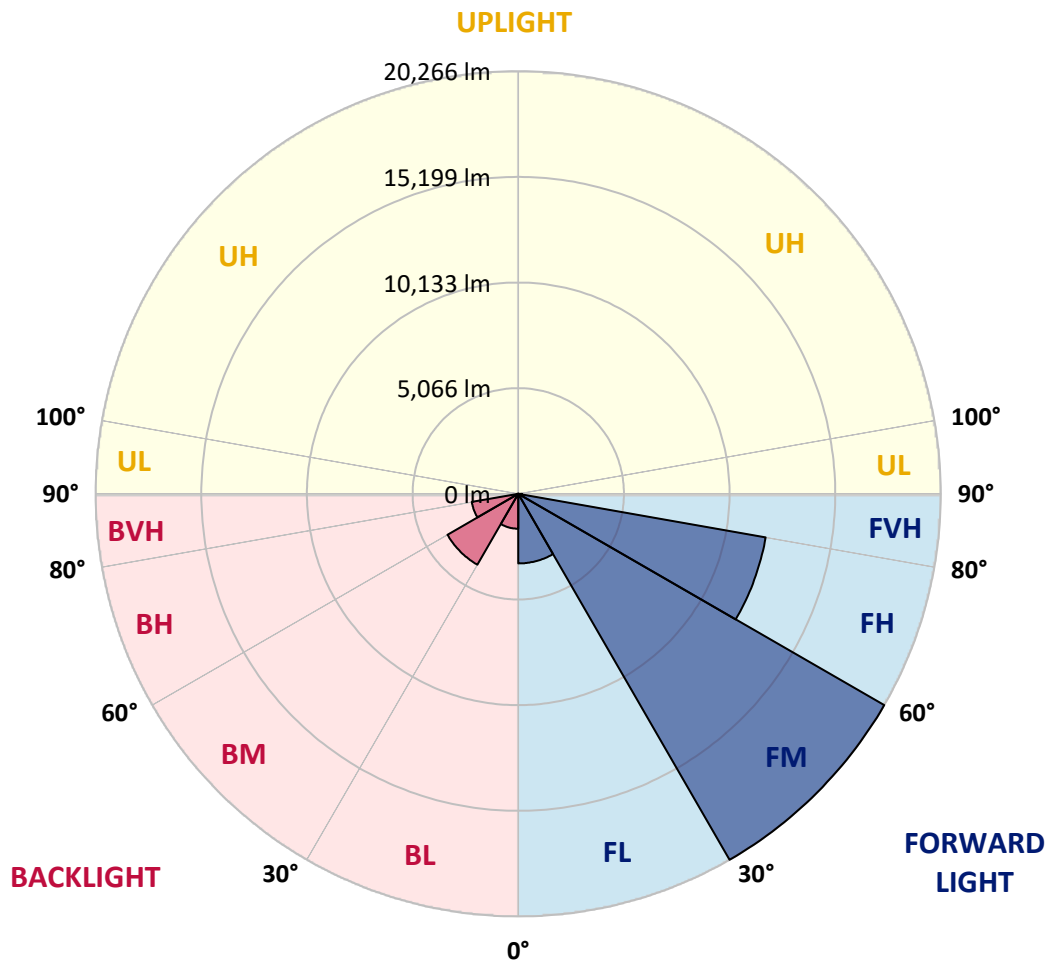


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3338.0	7.6			
FM (30°-60°)	20265.5	46.3			
FH (60°-80°)	12046.4	27.5			G5
FVH (80°-90°)	179.2	0.4			G2/225
BL (0°-30°)	1673.9	3.8	B3/2500		
BM (30°-60°)	3922.5	9.0	B3/5000		
BH (60°-80°)	2262.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	67.3	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7
2.5°	7661.4	7705.5	7680.3	7667.7	7645.7	7614.2	7588.9	7510.2	7428.3	7374.7
5°	7815.8	7859.9	7856.7	7869.3	7885.1	7894.5	7888.2	7800.0	7683.5	7592.1
7.5°	7683.5	7733.9	7774.8	7837.8	7948.1	8064.6	8121.3	8102.4	7982.7	7856.7
10°	7308.6	7362.1	7459.8	7607.9	7841.0	8093.0	8304.1	8401.7	8326.1	8187.5
12.5°	6621.8	6675.4	6867.5	7188.9	7579.5	8017.4	8420.6	8682.1	8701.0	8562.4
15°	5850.0	5903.6	6108.3	6511.6	7107.0	7809.5	8483.6	8978.2	9145.2	9025.5
17.5°	5371.2	5418.4	5572.8	5897.3	6517.9	7393.6	8461.6	9293.2	9674.4	9579.9
20°	5226.3	5267.2	5339.7	5566.5	6083.1	6962.1	8316.7	9589.4	10244.6	10191.1
22.5°	5380.6	5418.4	5440.5	5541.3	5865.8	6678.5	8133.9	9891.8	10906.2	10912.5
25°	5736.6	5774.4	5749.2	5812.2	5954.0	6590.3	8064.6	10247.8	11737.8	11807.1
27.5°	6322.5	6325.7	6265.8	6262.7	6284.7	6722.6	8137.1	10628.9	12786.9	12916.0
30°	7497.6	7450.3	7220.4	6971.5	6858.1	7119.6	8338.7	11079.4	14024.9	14254.9
32.5°	9309.0	9239.7	8817.5	8222.1	7623.6	7759.1	8701.0	11592.9	15373.2	15789.0
35°	11274.7	11255.8	10814.8	9929.6	8883.7	8669.5	9290.1	12267.1	16844.4	17505.9
37.5°	13101.9	13092.4	12840.4	11797.7	10525.0	9939.0	10235.2	13149.1	18419.5	19377.2
40°	14771.5	14799.9	14547.8	13615.4	12333.2	11567.7	11520.5	14239.1	20171.0	21415.4
42.5°	16214.3	16245.8	15990.7	15300.8	14119.4	13369.7	13098.7	15574.8	21881.6	23604.8
45°	17194.1	17389.4	17351.6	16800.3	15952.9	15174.7	14995.2	17250.8	23831.6	25926.5
47.5°	17471.3	17650.8	17934.4	18010.0	17493.3	16727.8	16942.0	19270.1	25803.7	28251.4
50°	16787.7	16954.6	17543.7	18328.1	18687.3	18451.0	18835.3	21434.3	27823.0	30570.0
52.5°	15439.4	15609.5	16352.9	17594.1	19059.0	19802.5	20734.9	23567.0	29779.3	32765.7
55°	13489.4	13668.9	14623.5	16028.5	18350.2	20360.1	22319.5	25696.6	31571.8	34740.9
57.5°	10836.9	10969.2	11961.5	13927.3	16567.2	19805.6	23488.3	28021.5	33260.3	36681.5
60°	7062.9	7179.4	8332.4	10525.0	13612.2	17953.3	23721.4	30614.1	35503.3	39204.8
62.5°	4697.0	4775.8	5459.4	7069.2	9586.2	14396.6	22357.3	32683.8	38792.2	43596.3
65°	3222.7	3301.5	3985.1	5106.6	6193.4	9523.2	18435.3	32409.8	41772.3	47083.6
67.5°	2299.7	2365.8	2945.5	4004.0	4482.8	5531.8	12497.0	28906.7	41343.9	47215.9
70°	1647.6	1685.4	2164.2	3118.7	3562.9	3323.5	6949.4	22108.4	36199.5	43599.4
72.5°	1153.0	1165.6	1502.7	2375.3	2869.9	2425.7	3307.8	14740.0	27378.8	34221.2
75°	781.3	797.0	1011.2	1742.1	2302.8	1852.3	1751.5	7904.0	16072.6	18942.4
77.5°	478.8	485.1	652.1	1190.8	1723.2	1411.3	1127.8	3348.7	6218.6	6105.2
80°	270.9	270.9	415.8	740.3	1175.0	910.4	790.7	1423.9	1968.9	1729.5
82.5°	151.2	154.4	302.4	459.9	778.1	538.7	434.7	658.4	850.6	752.9
85°	63.0	69.3	185.9	217.4	371.7	267.8	176.4	277.2	315.0	280.4
87.5°	6.3	9.5	56.7	41.0	44.1	53.6	25.2	53.6	44.1	44.1
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°
7248.7	0°	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7	7248.7
7355.8	2.5°	7296.0	7248.7	7129.0	6990.4	6807.7	6719.5	6599.8	6517.9	6448.6	6454.9
7538.5	5°	7437.7	7318.0	7050.3	6716.3	6300.5	6004.4	5689.3	5472.0	5295.6	5257.8
7790.6	7.5°	7633.1	7444.0	6974.7	6373.0	5670.4	5138.1	4662.4	4356.8	4139.4	4070.1
8096.1	10°	7885.1	7611.0	6877.0	5941.4	4930.1	4252.8	3742.5	3503.1	3355.0	3304.6
8455.3	12.5°	8178.0	7803.2	6747.8	5415.3	4167.8	3515.7	3191.2	3071.5	3024.2	3008.5
8896.3	15°	8546.6	8042.6	6552.5	4791.5	3522.0	3065.2	2926.6	2910.8	2917.1	2910.8
9425.5	17.5°	8984.5	8304.1	6234.3	4148.9	3087.2	2835.2	2784.8	2797.4	2813.2	2810.0
10017.8	20°	9463.3	8562.4	5828.0	3578.7	2791.1	2671.4	2643.1	2655.7	2668.3	2662.0
10701.4	22.5°	10008.3	8839.6	5377.5	3134.5	2592.7	2520.2	2488.7	2491.8	2491.8	2479.2
11567.7	25°	10660.4	9145.2	4904.9	2819.5	2441.4	2384.7	2346.9	2334.3	2315.4	2277.6
12619.9	27.5°	11438.6	9469.6	4451.3	2599.0	2321.7	2268.2	2224.1	2192.6	2145.3	2082.3
13883.1	30°	12314.3	9863.4	4067.0	2460.3	2227.2	2173.7	2123.3	2076.0	2006.7	1928.0
15335.4	32.5°	13344.5	10285.6	3786.6	2369.0	2142.2	2085.5	2025.6	1968.9	1893.3	1814.5
16967.2	35°	14573.1	10795.9	3622.8	2306.0	2076.0	2000.4	1934.3	1871.2	1814.5	1745.2
18740.8	37.5°	15905.6	11337.7	3572.4	2274.5	2031.9	1915.4	1839.7	1795.6	1789.3	1748.4
20659.3	40°	17364.2	11980.4	3610.2	2255.6	1984.7	1833.4	1751.5	1742.1	1757.8	1685.4
22710.1	42.5°	18907.8	12742.8	3673.2	2233.5	1918.5	1751.5	1672.8	1672.8	1660.2	1559.4
24877.5	45°	20577.4	13621.7	3736.2	2180.0	1839.7	1669.6	1609.8	1587.7	1534.2	1436.5
27057.5	47.5°	22259.7	14516.3	3783.4	2082.3	1745.2	1600.3	1546.8	1496.4	1417.6	1329.4
29196.5	50°	23856.8	15319.7	3733.0	1937.4	1638.1	1534.2	1477.5	1408.2	1323.1	1263.2
31222.1	52.5°	25283.9	16015.9	3518.8	1767.3	1524.7	1464.9	1414.5	1342.0	1272.7	1209.7
33049.3	55°	26525.1	16579.8	3140.8	1606.6	1423.9	1405.0	1354.6	1263.2	1168.7	1115.2
34860.7	57.5°	27715.9	17008.2	2668.3	1474.3	1332.6	1338.9	1263.2	1181.3	1093.1	1036.4
37302.1	60°	29300.5	17581.5	2189.4	1351.5	1234.9	1253.8	1171.9	1112.0	1001.8	929.3
41488.8	62.5°	31833.3	18473.1	1738.9	1200.2	1121.5	1127.8	1093.1	1020.7	888.4	803.3
44591.8	65°	33843.1	18145.4	1370.4	1036.4	992.3	1001.8	1001.8	923.0	781.3	683.6
44758.7	67.5°	33616.3	15537.0	1093.1	875.8	869.5	875.8	897.8	831.7	693.1	614.3
41350.2	70°	30966.9	12358.4	875.8	727.7	756.1	740.3	803.3	759.2	623.7	545.0
32056.9	72.5°	25268.1	8902.6	667.9	601.7	579.6	604.8	724.6	683.6	519.8	431.6
16979.8	75°	14765.2	4750.6	497.7	475.7	419.0	504.0	642.7	582.8	396.9	318.2
5204.2	77.5°	4807.3	1657.0	365.4	349.7	311.9	406.4	548.1	491.4	324.5	252.0
1524.7	80°	1288.5	500.9	248.9	230.0	201.6	302.4	434.7	390.6	233.1	163.8
655.3	82.5°	516.6	211.1	144.9	129.2	110.3	207.9	343.4	315.0	173.3	104.0
204.8	85°	167.0	69.3	53.6	41.0	50.4	129.2	204.8	214.2	122.9	53.6
31.5	87.5°	22.1	9.5	9.5	12.6	9.5	22.1	63.0	59.9	34.7	6.3
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>
7248.7
6391.9
5172.7
4000.8
3266.8
2999.0
2907.7
2803.7
2658.8
2472.9
2271.3
2076.0
1921.7
1817.7
1738.9
1745.2
1688.5
1559.4
1433.4
1326.3
1253.8
1203.4
1108.9
1030.1
919.9
797.0
674.2
601.7
535.5
422.1
308.7
242.6
160.7
104.0
41.0
0.0
0.0

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