

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: P848945

Luminaire Tested: **GLAN-SB5D-730-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848945
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-SB5D-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 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: 36259 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

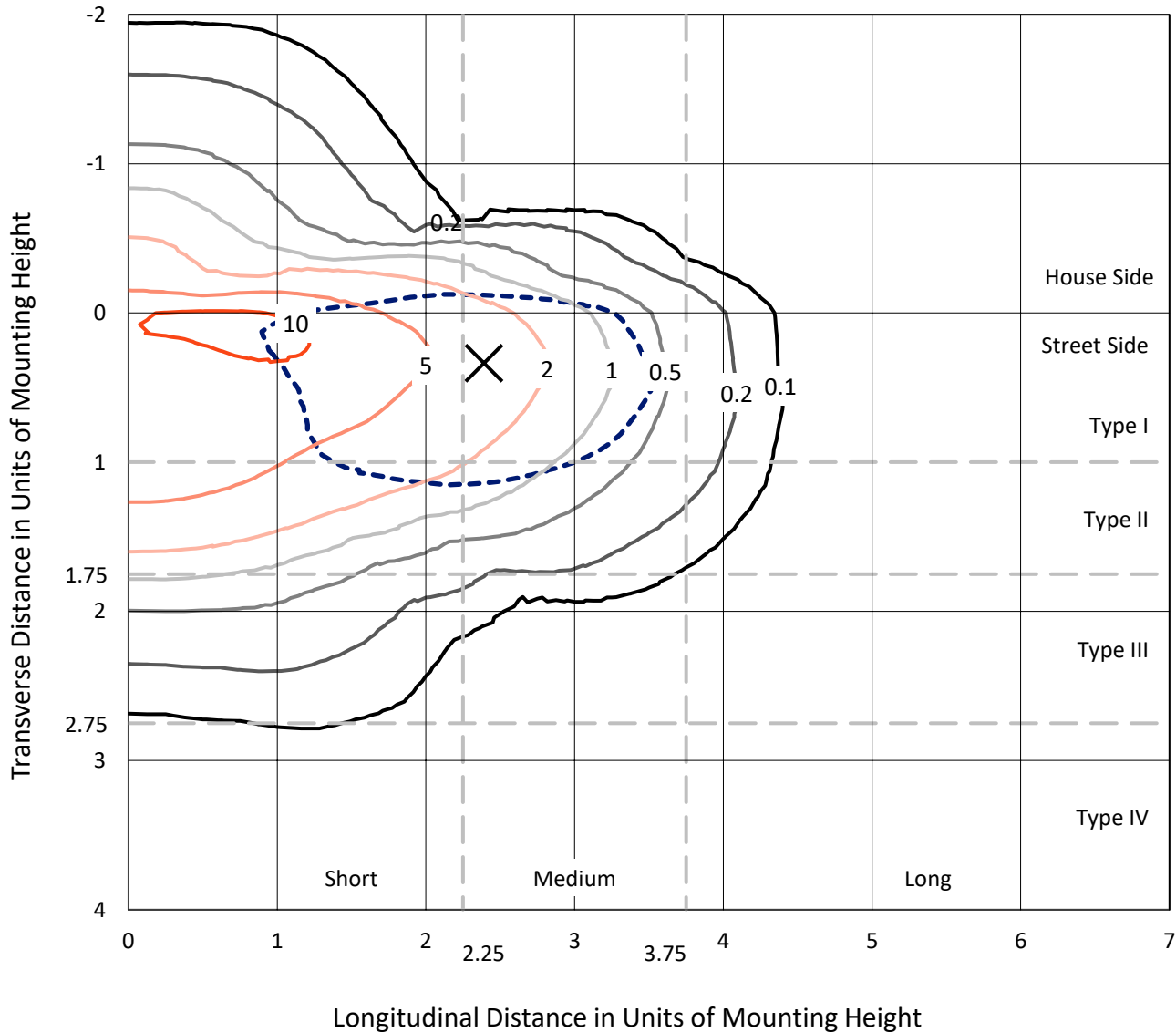
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

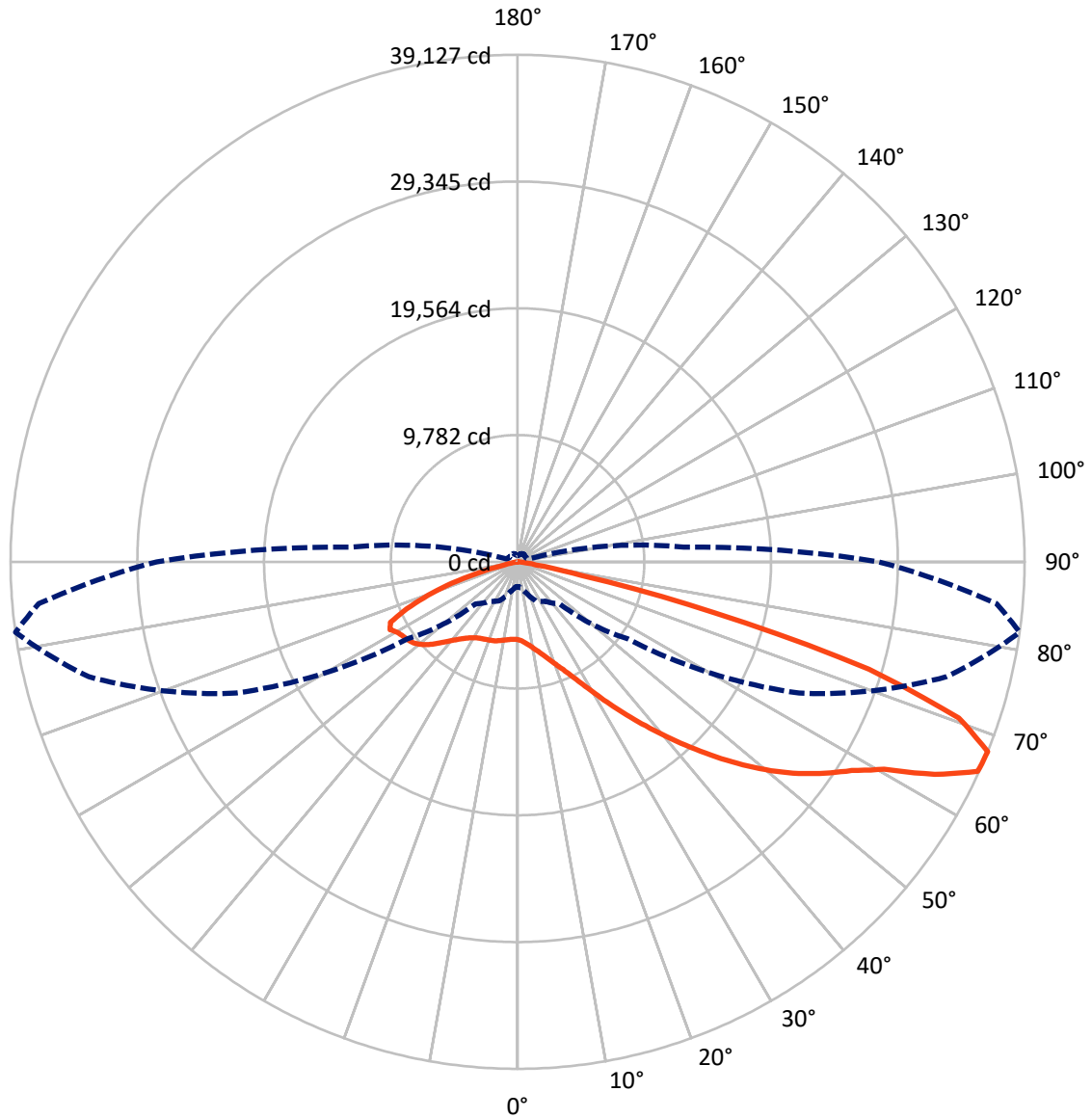
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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	6568.0	0.0	6568.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	29691.0	0.0	29691.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	36259.0	0.0	36259.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.2	1.5
10°-20°	1390.7	3.8
20°-30°	2227.4	6.1
30°-40°	3938.8	10.9
40°-50°	6901.2	19.0
50°-60°	9204.2	25.4
60°-70°	8568.6	23.6
70°-80°	3288.6	9.1
80°-90°	204.3	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°	36259.0	100.0
0°-180°	36259.0	100.0

Coefficient of Utilization

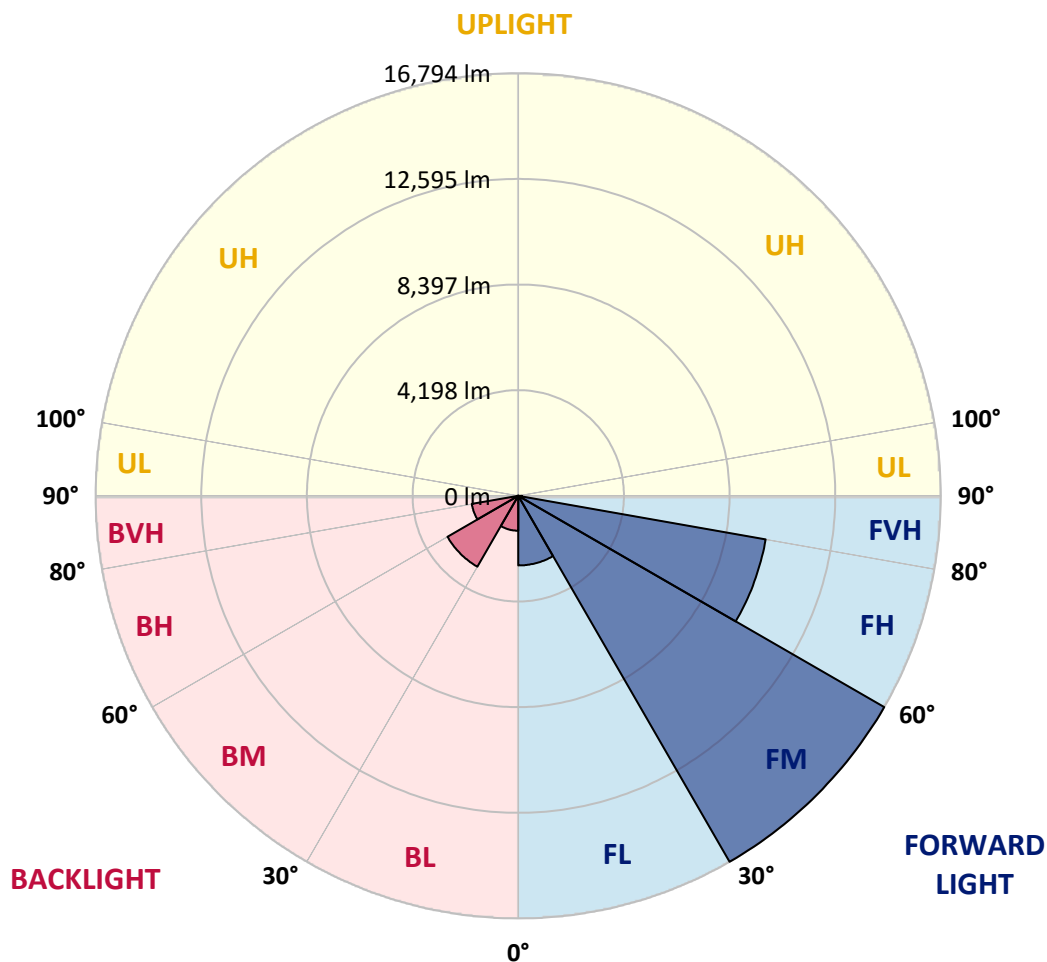


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2766.2	7.6			
FM (30°-60°)	16793.7	46.3			
FH (60°-80°)	9982.7	27.5			G4/12000
FVH (80°-90°)	148.5	0.4			G2/225
BL (0°-30°)	1387.1	3.8	B3/2500		
BM (30°-60°)	3250.5	9.0	B3/5000		
BH (60°-80°)	1874.6	5.2	B3/2500		G3/2500
BVH (80°-90°)	55.8	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9
2.5°	6348.9	6385.4	6364.5	6354.1	6335.8	6309.7	6288.8	6223.6	6155.7	6111.3
5°	6476.8	6513.3	6510.7	6521.2	6534.2	6542.1	6536.8	6463.7	6367.1	6291.4
7.5°	6367.1	6408.9	6442.9	6495.1	6586.4	6683.0	6730.0	6714.3	6615.1	6510.7
10°	6056.5	6100.9	6181.8	6304.5	6497.7	6706.5	6881.4	6962.4	6899.7	6784.8
12.5°	5487.4	5531.8	5691.0	5957.3	6281.0	6643.9	6978.0	7194.7	7210.4	7095.5
15°	4847.8	4892.2	5061.9	5396.0	5889.4	6471.6	7030.2	7440.1	7578.4	7479.2
17.5°	4451.0	4490.2	4618.1	4887.0	5401.2	6127.0	7012.0	7701.1	8017.0	7938.7
20°	4330.9	4364.8	4424.9	4612.9	5041.0	5769.3	6891.9	7946.5	8489.5	8445.1
22.5°	4458.8	4490.2	4508.4	4592.0	4860.9	5534.4	6740.5	8197.1	9037.7	9043.0
25°	4753.8	4785.1	4764.3	4816.5	4934.0	5461.3	6683.0	8492.1	9726.9	9784.4
27.5°	5239.4	5242.0	5192.4	5189.8	5208.1	5570.9	6743.1	8808.0	10596.2	10703.3
30°	6213.1	6174.0	5983.4	5777.2	5683.2	5899.9	6910.1	9181.3	11622.2	11812.8
32.5°	7714.2	7656.8	7306.9	6813.6	6317.5	6429.8	7210.4	9606.8	12739.5	13084.1
35°	9343.2	9327.5	8962.0	8228.5	7361.8	7184.2	7698.5	10165.5	13958.6	14506.9
37.5°	10857.3	10849.5	10640.6	9776.5	8721.9	8236.3	8481.7	10896.5	15263.9	16057.5
40°	12240.9	12264.4	12055.5	11282.8	10220.3	9586.0	9546.8	11799.7	16715.4	17746.6
42.5°	13436.5	13462.6	13251.2	12679.5	11700.5	11079.2	10854.7	12906.6	18132.9	19560.9
45°	14248.4	14410.3	14378.9	13922.1	13219.9	12575.0	12426.2	14295.4	19748.9	21484.9
47.5°	14478.1	14626.9	14861.9	14924.5	14496.4	13862.1	14039.6	15968.8	21383.1	23411.5
50°	13911.7	14050.0	14538.2	15188.2	15485.8	15290.0	15608.5	17762.2	23056.4	25332.8
52.5°	12794.3	12935.3	13551.4	14580.0	15793.9	16410.0	17182.7	19529.6	24677.6	27152.4
55°	11178.4	11327.2	12118.2	13282.5	15206.5	16872.0	18495.8	21294.3	26163.0	28789.2
57.5°	8980.3	9090.0	9912.3	11541.3	13728.9	16412.6	19464.3	23220.9	27562.2	30397.3
60°	5852.9	5949.5	6904.9	8721.9	11280.2	14877.6	19657.5	25369.4	29421.0	32488.4
62.5°	3892.3	3957.6	4524.1	5858.1	7943.9	11930.2	18527.1	27084.5	32146.4	36127.5
65°	2670.6	2735.9	3302.4	4231.7	5132.4	7891.7	15277.0	26857.4	34616.0	39017.4
67.5°	1905.7	1960.5	2440.9	3318.0	3714.8	4584.1	10356.1	23954.5	34260.9	39127.0
70°	1365.3	1396.6	1793.5	2584.5	2952.5	2754.1	5758.9	18320.9	29997.9	36130.1
72.5°	955.5	965.9	1245.2	1968.4	2378.2	2010.1	2741.1	12214.8	22688.3	28358.5
75°	647.4	660.5	838.0	1443.6	1908.3	1535.0	1451.5	6549.9	13319.1	15697.3
77.5°	396.8	402.0	540.4	986.8	1428.0	1169.5	934.6	2775.0	5153.2	5059.3
80°	224.5	224.5	344.6	613.5	973.7	754.5	655.2	1180.0	1631.6	1433.2
82.5°	125.3	127.9	250.6	381.1	644.8	446.4	360.3	545.6	704.9	623.9
85°	52.2	57.4	154.0	180.1	308.0	221.9	146.2	229.7	261.1	232.3
87.5°	5.2	7.8	47.0	33.9	36.5	44.4	20.9	44.4	36.5	36.5
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°
6006.9	0°	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9	6006.9
6095.6	2.5°	6046.0	6006.9	5907.7	5792.8	5641.4	5568.3	5469.1	5401.2	5343.8	5349.0
6247.1	5°	6163.5	6064.3	5842.4	5565.7	5221.1	4975.7	4714.7	4534.5	4388.3	4357.0
6455.9	7.5°	6325.4	6168.7	5779.8	5281.2	4699.0	4257.8	3863.6	3610.4	3430.3	3372.8
6709.1	10°	6534.2	6307.1	5698.8	4923.5	4085.5	3524.3	3101.3	2902.9	2780.2	2738.5
7006.7	12.5°	6777.0	6466.3	5591.8	4487.5	3453.8	2913.4	2644.5	2545.3	2506.1	2493.1
7372.2	15°	7082.4	6664.7	5430.0	3970.7	2918.6	2540.1	2425.2	2412.2	2417.4	2412.2
7810.8	17.5°	7445.3	6881.4	5166.3	3438.1	2558.3	2349.5	2307.7	2318.2	2331.2	2328.6
8301.6	20°	7842.1	7095.5	4829.5	2965.6	2313.0	2213.8	2190.3	2200.7	2211.1	2205.9
8868.1	22.5°	8293.7	7325.2	4456.2	2597.5	2148.5	2088.4	2062.3	2064.9	2064.9	2054.5
9586.0	25°	8834.1	7578.4	4064.6	2336.4	2023.2	1976.2	1944.9	1934.4	1918.8	1887.4
10457.9	27.5°	9478.9	7847.3	3688.7	2153.7	1924.0	1879.6	1843.1	1816.9	1777.8	1725.6
11504.7	30°	10204.7	8173.7	3370.2	2038.8	1845.7	1801.3	1759.5	1720.4	1662.9	1597.7
12708.2	32.5°	11058.3	8523.5	3137.9	1963.1	1775.2	1728.2	1678.6	1631.6	1568.9	1503.7
14060.5	35°	12076.4	8946.4	3002.1	1910.9	1720.4	1657.7	1602.9	1550.7	1503.7	1446.2
15530.2	37.5°	13180.7	9395.4	2960.4	1884.8	1683.8	1587.2	1524.6	1488.0	1482.8	1448.9
17120.0	40°	14389.4	9927.9	2991.7	1869.2	1644.7	1519.3	1451.5	1443.6	1456.7	1396.6
18819.5	42.5°	15668.6	10559.7	3043.9	1850.9	1589.8	1451.5	1386.2	1386.2	1375.8	1292.2
20615.6	45°	17052.2	11288.0	3096.1	1806.5	1524.6	1383.6	1334.0	1315.7	1271.3	1190.4
22422.1	47.5°	18446.2	12029.4	3135.3	1725.6	1446.2	1326.2	1281.8	1240.0	1174.8	1101.7
24194.6	50°	19769.7	12695.1	3093.5	1605.5	1357.5	1271.3	1224.4	1166.9	1096.4	1046.8
25873.2	52.5°	20952.3	13272.1	2916.0	1464.5	1263.5	1213.9	1172.1	1112.1	1054.7	1002.5
27387.3	55°	21980.9	13739.4	2602.7	1331.4	1180.0	1164.3	1122.5	1046.8	968.5	924.1
28888.4	57.5°	22967.7	14094.4	2211.1	1221.7	1104.3	1109.5	1046.8	979.0	905.9	858.9
30911.6	60°	24280.8	14569.5	1814.3	1119.9	1023.3	1039.0	971.1	921.5	830.2	770.1
34381.0	62.5°	26379.7	15308.3	1441.0	994.6	929.4	934.6	905.9	845.8	736.2	665.7
36952.4	65°	28045.2	15036.8	1135.6	858.9	822.3	830.2	830.2	764.9	647.4	566.5
37090.8	67.5°	27857.2	12875.3	905.9	725.7	720.5	725.7	744.0	689.2	574.3	509.1
34266.2	70°	25661.8	10241.2	725.7	603.0	626.5	613.5	665.7	629.1	516.9	451.6
26565.0	72.5°	20939.3	7377.4	553.4	498.6	480.3	501.2	600.4	566.5	430.7	357.6
14070.9	75°	12235.7	3936.7	412.5	394.2	347.2	417.7	532.6	483.0	328.9	263.7
4312.6	77.5°	3983.7	1373.2	302.8	289.8	258.4	336.8	454.2	407.2	268.9	208.8
1263.5	80°	1067.7	415.1	206.2	190.6	167.1	250.6	360.3	323.7	193.2	135.7
543.0	82.5°	428.1	174.9	120.1	107.0	91.4	172.3	284.6	261.1	143.6	86.1
169.7	85°	138.4	57.4	44.4	33.9	41.8	107.0	169.7	177.5	101.8	44.4
26.1	87.5°	18.3	7.8	7.8	10.4	7.8	18.3	52.2	49.6	28.7	5.2
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°
6006.9
5296.8
4286.5
3315.4
2707.1
2485.2
2409.5
2323.4
2203.3
2049.3
1882.2
1720.4
1592.4
1506.3
1441.0
1446.2
1399.3
1292.2
1187.8
1099.0
1039.0
997.2
918.9
853.7
762.3
660.5
558.7
498.6
443.8
349.8
255.8
201.0
133.1
86.1
33.9
0.0
0.0

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