

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: P851145

Luminaire Tested: **GLAN-SB9A-727-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851145
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-SB9A-727-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 350mA 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: 26533 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

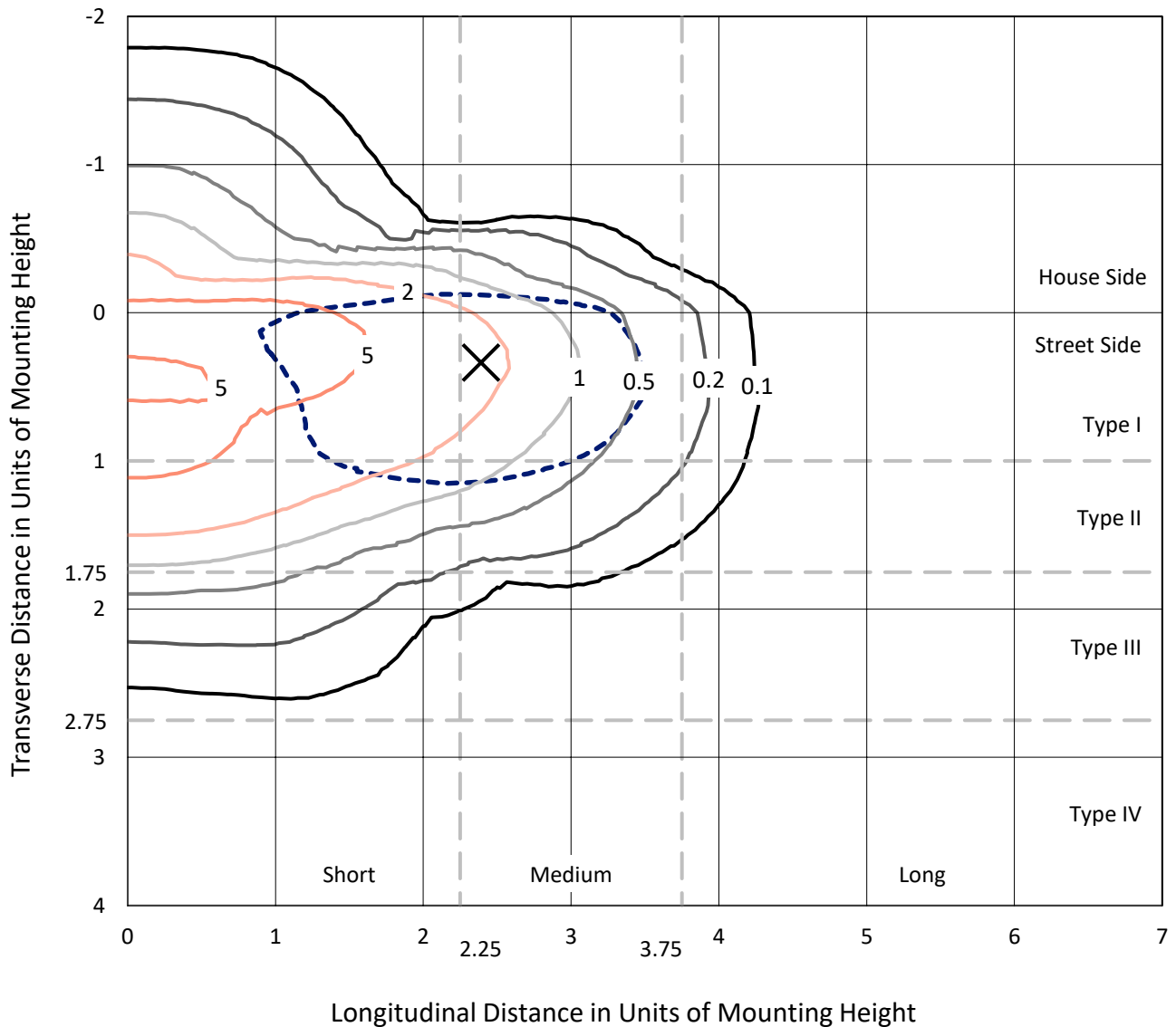
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

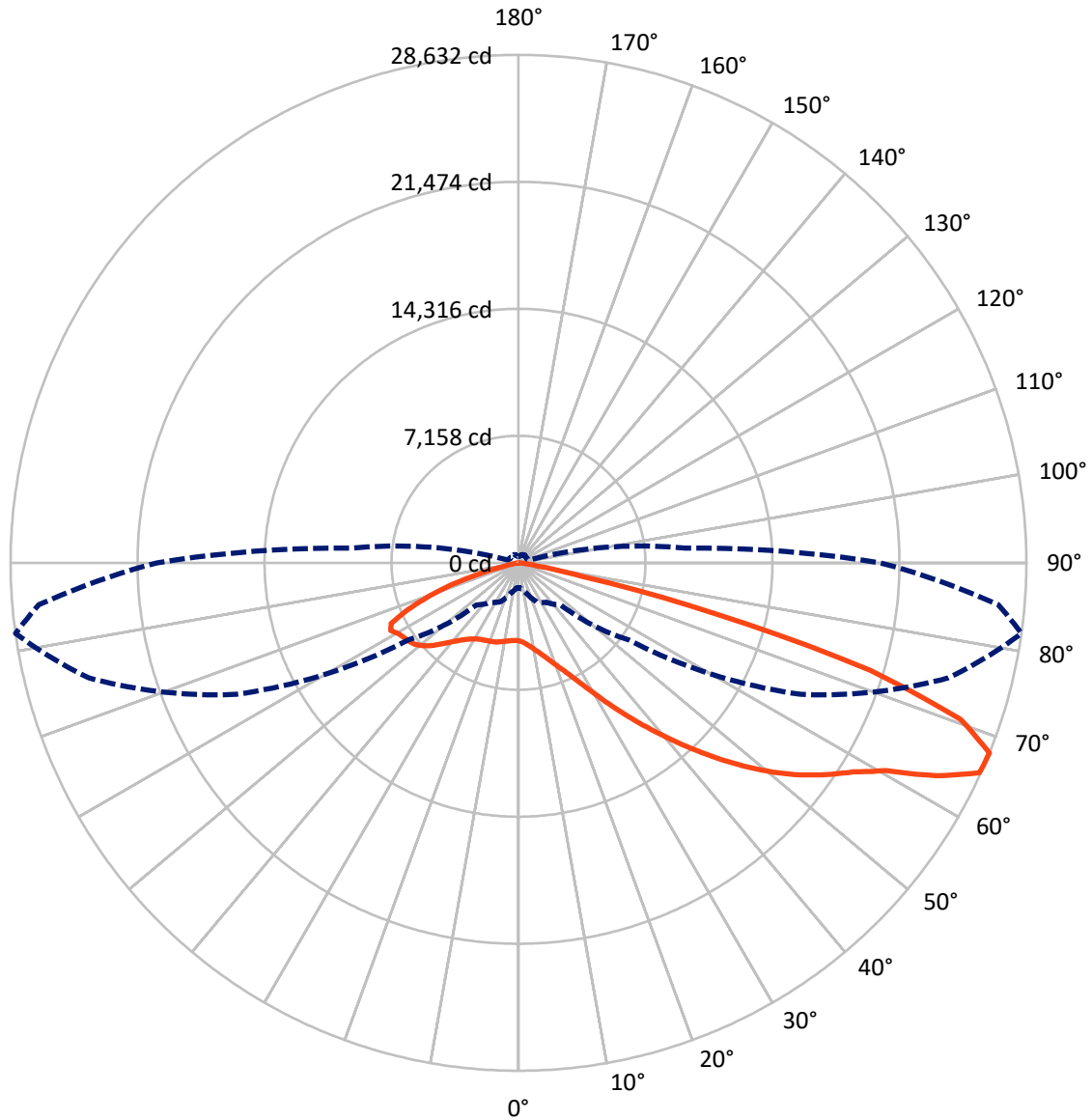
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4806.2	0.0	4806.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	21726.8	0.0	21726.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	26533.0	0.0	26533.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.6	1.5
10°-20°	1017.7	3.8
20°-30°	1630.0	6.1
30°-40°	2882.3	10.9
40°-50°	5050.0	19.0
50°-60°	6735.3	25.4
60°-70°	6270.2	23.6
70°-80°	2406.5	9.1
80°-90°	149.5	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°	26533.0	100.0
0°-180°	26533.0	100.0

Coefficient of Utilization

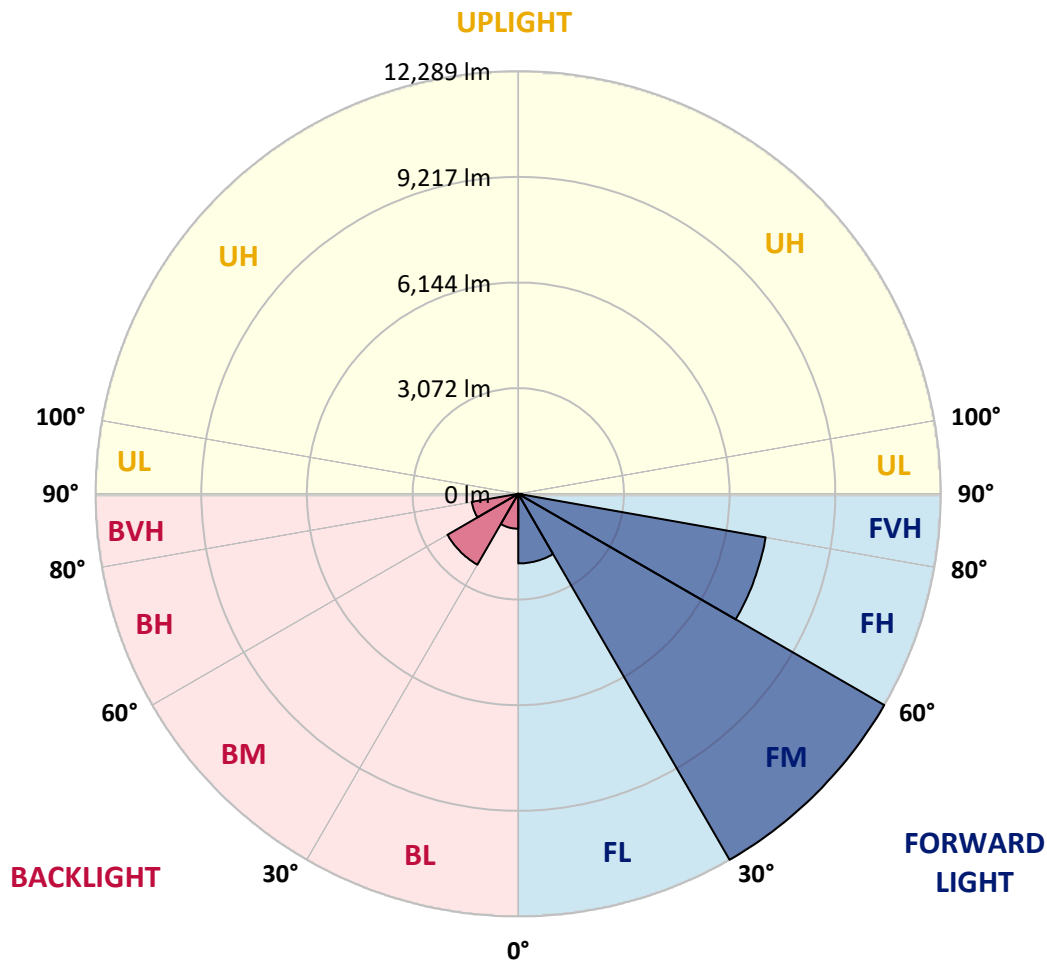


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2024.2	7.6			
FM (30°-60°)	12289.0	46.3			
FH (60°-80°)	7304.9	27.5			G3/7500
FVH (80°-90°)	108.7	0.4			G2/225
BL (0°-30°)	1015.1	3.8	B3/2500		
BM (30°-60°)	2378.6	9.0	B2/2500		
BH (60°-80°)	1371.8	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.8	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6
2.5°	4645.9	4672.6	4657.3	4649.7	4636.3	4617.2	4601.9	4554.2	4504.5	4472.0
5°	4739.5	4766.2	4764.3	4772.0	4781.5	4787.2	4783.4	4729.9	4659.2	4603.8
7.5°	4659.2	4689.8	4714.6	4752.8	4819.7	4890.4	4924.8	4913.3	4840.7	4764.3
10°	4431.9	4464.4	4523.6	4613.4	4754.8	4907.6	5035.6	5094.8	5048.9	4964.9
12.5°	4015.5	4047.9	4164.5	4359.3	4596.2	4861.7	5106.3	5264.8	5276.3	5192.2
15°	3547.4	3579.9	3704.1	3948.6	4309.7	4735.7	5144.5	5444.4	5545.6	5473.0
17.5°	3257.1	3285.7	3379.3	3576.1	3952.4	4483.5	5131.1	5635.4	5866.6	5809.2
20°	3169.2	3194.0	3238.0	3375.5	3688.8	4221.8	5043.2	5815.0	6212.3	6179.8
22.5°	3262.8	3285.7	3299.1	3360.2	3557.0	4049.9	4932.4	5998.4	6613.5	6617.3
25°	3478.7	3501.6	3486.3	3524.5	3610.5	3996.4	4890.4	6214.2	7117.8	7159.8
27.5°	3834.0	3835.9	3799.6	3797.7	3811.1	4076.6	4934.3	6445.4	7753.9	7832.3
30°	4546.5	4517.9	4378.4	4227.5	4158.7	4317.3	5056.6	6718.6	8504.7	8644.1
32.5°	5645.0	5602.9	5347.0	4985.9	4622.9	4705.1	5276.3	7029.9	9322.3	9574.5
35°	6837.0	6825.5	6558.1	6021.3	5387.1	5257.2	5633.5	7438.7	10214.4	10615.6
37.5°	7945.0	7939.2	7786.4	7154.1	6382.3	6027.0	6206.6	7973.6	11169.6	11750.3
40°	8957.4	8974.6	8821.8	8256.4	7478.9	7014.7	6986.0	8634.6	12231.7	12986.3
42.5°	9832.4	9851.5	9696.7	9278.4	8562.0	8107.3	7943.1	9444.6	13269.0	14313.9
45°	10426.5	10544.9	10522.0	10187.7	9673.8	9202.0	9093.1	10460.9	14451.5	15721.8
47.5°	10594.6	10703.5	10875.4	10921.2	10607.9	10143.7	10273.6	11685.4	15647.3	17131.6
50°	10180.0	10281.3	10638.5	11114.2	11332.0	11188.7	11421.7	12997.7	16871.8	18537.6
52.5°	9362.4	9465.6	9916.4	10669.1	11557.4	12008.2	12573.7	14291.0	18058.1	19869.1
55°	8179.9	8288.8	8867.7	9719.7	11127.5	12346.3	13534.5	15582.4	19145.1	21066.9
57.5°	6571.5	6651.7	7253.4	8445.5	10046.3	12010.1	14243.3	16992.2	20169.0	22243.6
60°	4282.9	4353.6	5052.8	6382.3	8254.4	10886.8	14384.6	18564.4	21529.2	23773.8
62.5°	2848.3	2896.0	3310.6	4286.7	5813.1	8730.1	13557.5	19819.5	23523.5	26436.8
65°	1954.2	2002.0	2416.5	3096.6	3755.7	5774.9	11179.1	19653.3	25330.7	28551.5
67.5°	1394.5	1434.6	1786.1	2428.0	2718.4	3354.5	7578.2	17529.0	25070.9	28631.7
70°	999.1	1022.0	1312.4	1891.2	2160.6	2015.4	4214.1	13406.5	21951.4	26438.7
72.5°	699.2	706.8	911.2	1440.4	1740.3	1470.9	2005.8	8938.3	16602.5	20751.7
75°	473.8	483.3	613.2	1056.4	1396.4	1123.3	1062.1	4793.0	9746.4	11486.7
77.5°	290.4	294.2	395.4	722.1	1044.9	855.8	683.9	2030.7	3770.9	3702.2
80°	164.3	164.3	252.2	448.9	712.5	552.1	479.5	863.5	1193.9	1048.8
82.5°	91.7	93.6	183.4	278.9	471.8	326.7	263.6	399.3	515.8	456.6
85°	38.2	42.0	112.7	131.8	225.4	162.4	107.0	168.1	191.0	170.0
87.5°	3.8	5.7	34.4	24.8	26.7	32.5	15.3	32.5	26.7	26.7
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°
4395.6	0°	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6	4395.6
4460.6	2.5°	4424.3	4395.6	4323.0	4239.0	4128.2	4074.7	4002.1	3952.4	3910.4	3914.2
4571.4	5°	4510.2	4437.6	4275.3	4072.8	3820.6	3641.0	3450.0	3318.2	3211.2	3188.3
4724.2	7.5°	4628.7	4514.1	4229.4	3864.6	3438.6	3115.7	2827.3	2642.0	2510.1	2468.1
4909.5	10°	4781.5	4615.3	4170.2	3602.8	2989.6	2578.9	2269.4	2124.3	2034.5	2003.9
5127.3	12.5°	4959.2	4731.8	4091.9	3283.8	2527.3	2131.9	1935.1	1862.6	1833.9	1824.3
5394.7	15°	5182.7	4877.0	3973.4	2905.6	2135.7	1858.7	1774.7	1765.1	1768.9	1765.1
5715.6	17.5°	5448.2	5035.6	3780.5	2515.9	1872.1	1719.3	1688.7	1696.4	1705.9	1704.0
6074.8	20°	5738.6	5192.2	3534.1	2170.1	1692.5	1619.9	1602.7	1610.4	1618.0	1614.2
6489.3	22.5°	6069.1	5360.3	3260.9	1900.8	1572.2	1528.2	1509.1	1511.1	1511.1	1503.4
7014.7	25°	6464.5	5545.6	2974.4	1709.7	1480.5	1446.1	1423.2	1415.5	1404.1	1381.2
7652.7	27.5°	6936.3	5742.4	2699.3	1576.0	1407.9	1375.4	1348.7	1329.6	1300.9	1262.7
8418.7	30°	7467.4	5981.2	2466.2	1492.0	1350.6	1318.1	1287.5	1258.9	1216.9	1169.1
9299.4	32.5°	8092.1	6237.2	2296.2	1436.6	1299.0	1264.6	1228.3	1193.9	1148.1	1100.3
10288.9	35°	8837.1	6546.6	2196.9	1398.3	1258.9	1213.0	1172.9	1134.7	1100.3	1058.3
11364.4	37.5°	9645.1	6875.2	2166.3	1379.2	1232.1	1161.5	1115.6	1088.9	1085.1	1060.2
12527.8	40°	10529.6	7264.9	2189.2	1367.8	1203.5	1111.8	1062.1	1056.4	1066.0	1022.0
13771.4	42.5°	11465.7	7727.2	2227.4	1354.4	1163.4	1062.1	1014.4	1014.4	1006.7	945.6
15085.7	45°	12478.1	8260.2	2265.6	1321.9	1115.6	1012.5	976.2	962.8	930.3	871.1
16407.6	47.5°	13498.2	8802.7	2294.3	1262.7	1058.3	970.4	938.0	907.4	859.6	806.2
17704.7	50°	14466.8	9289.8	2263.7	1174.8	993.4	930.3	895.9	853.9	802.3	766.0
18933.1	52.5°	15332.1	9712.0	2133.8	1071.7	924.6	888.3	857.7	813.8	771.8	733.6
20041.0	55°	16084.8	10054.0	1904.6	974.3	863.5	852.0	821.4	766.0	708.7	676.2
21139.5	57.5°	16806.9	10313.8	1618.0	894.0	808.1	811.9	766.0	716.4	662.9	628.5
22620.0	60°	17767.8	10661.4	1327.7	819.5	748.8	760.3	710.6	674.3	607.5	563.5
25158.8	62.5°	19303.7	11202.0	1054.5	727.8	680.1	683.9	662.9	618.9	538.7	487.1
27040.4	65°	20522.4	11003.4	831.0	628.5	601.7	607.5	607.5	559.7	473.8	414.5
27141.7	67.5°	20384.9	9421.6	662.9	531.1	527.2	531.1	544.4	504.3	420.3	372.5
25074.7	70°	18778.3	7494.1	531.1	441.3	458.5	448.9	487.1	460.4	378.2	330.5
19439.3	72.5°	15322.6	5398.5	405.0	364.9	351.5	366.8	439.4	414.5	315.2	261.7
10296.6	75°	8953.6	2880.7	301.8	288.5	254.1	305.6	389.7	353.4	240.7	192.9
3155.8	77.5°	2915.1	1004.8	221.6	212.0	189.1	246.4	332.4	298.0	196.8	152.8
924.6	80°	781.3	303.7	150.9	139.5	122.3	183.4	263.6	236.9	141.4	99.3
397.3	82.5°	313.3	128.0	87.9	78.3	66.9	126.1	208.2	191.0	105.1	63.0
124.2	85°	101.2	42.0	32.5	24.8	30.6	78.3	124.2	129.9	74.5	32.5
19.1	87.5°	13.4	5.7	5.7	7.6	5.7	13.4	38.2	36.3	21.0	3.8
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>
4395.6
3876.0
3136.7
2426.1
1981.0
1818.6
1763.2
1700.2
1612.3
1499.6
1377.3
1258.9
1165.3
1102.2
1054.5
1058.3
1023.9
945.6
869.2
804.2
760.3
729.7
672.4
624.7
557.8
483.3
408.8
364.9
324.8
256.0
187.2
147.1
97.4
63.0
24.8
0.0
0.0

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