

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: P852854

Luminaire Tested: **GLAN-SB6D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

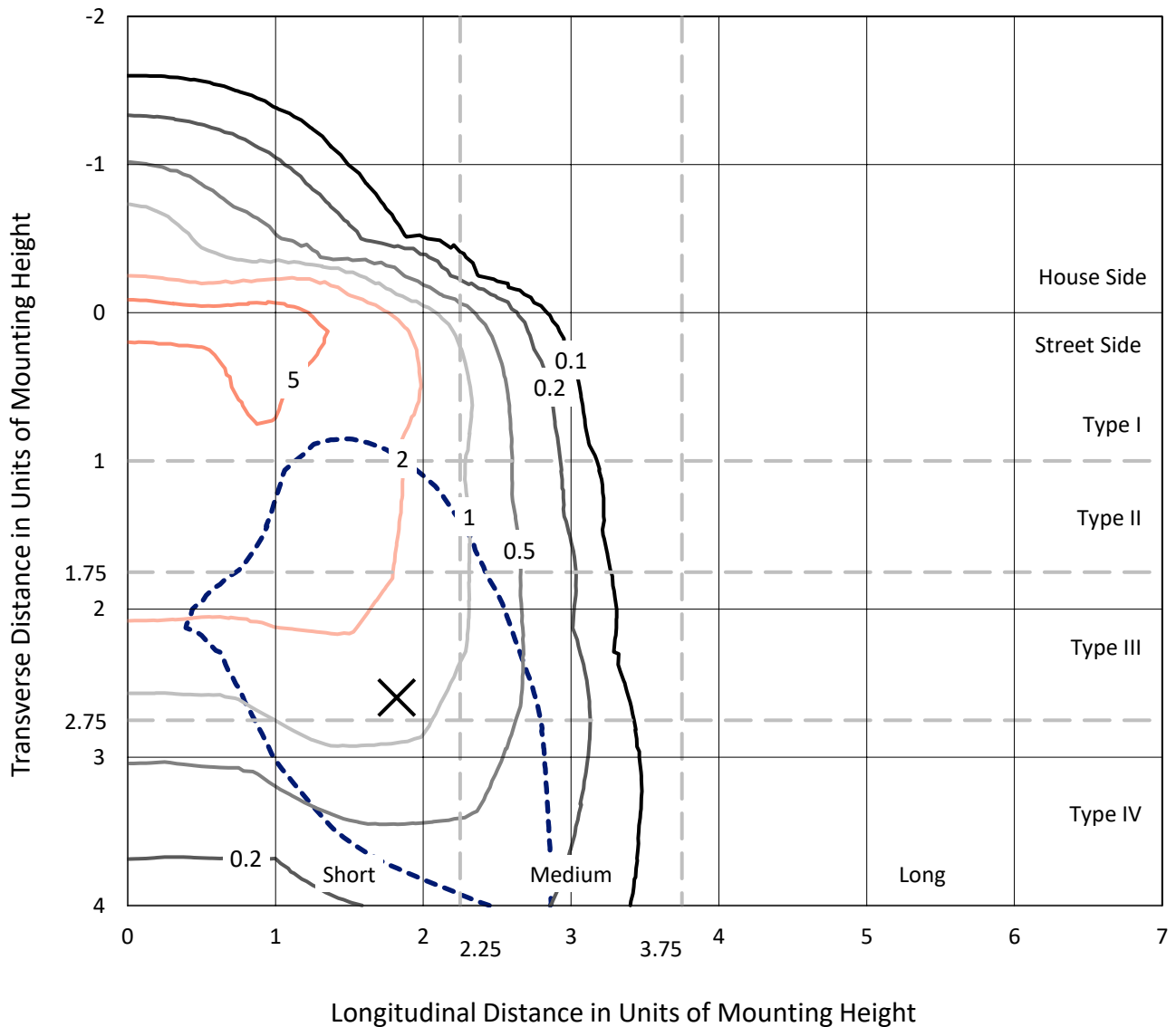
Lumens per Lamp: N/A  
Luminaire Lumens: 30088 lumens  
Efficiency: N/A  
Efficacy: 68.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

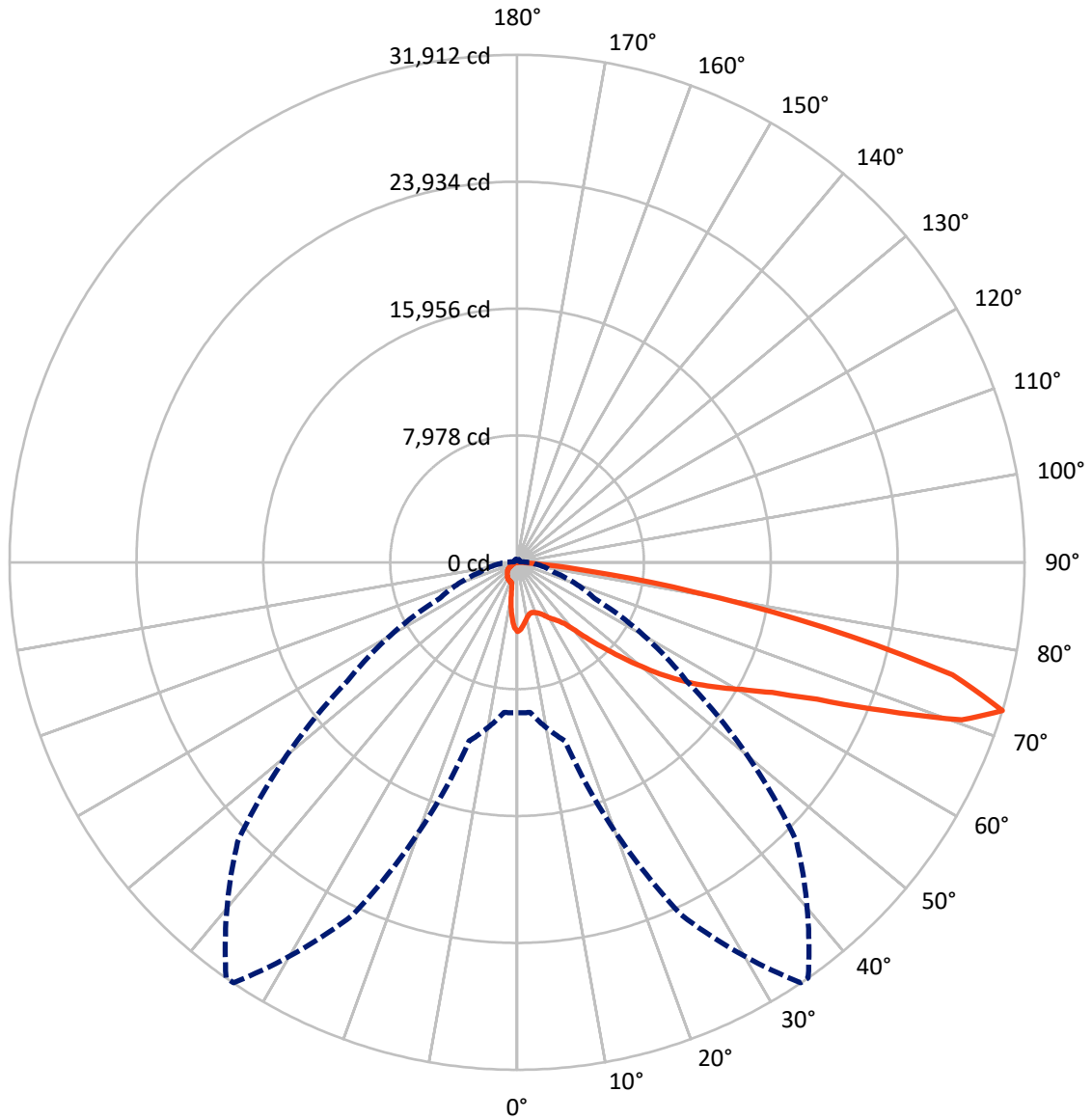
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3386.3	0.0	3386.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	26701.7	0.0	26701.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	30088.0	0.0	30088.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	358.3	1.2
10°-20°	838.3	2.8
20°-30°	1361.8	4.5
30°-40°	2272.1	7.6
40°-50°	4298.9	14.3
50°-60°	6830.9	22.7
60°-70°	8450.3	28.1
70°-80°	5252.8	17.5
80°-90°	424.5	1.4
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°	30088.0	100.0
0°-180°	30088.0	100.0

**Coefficient of Utilization**



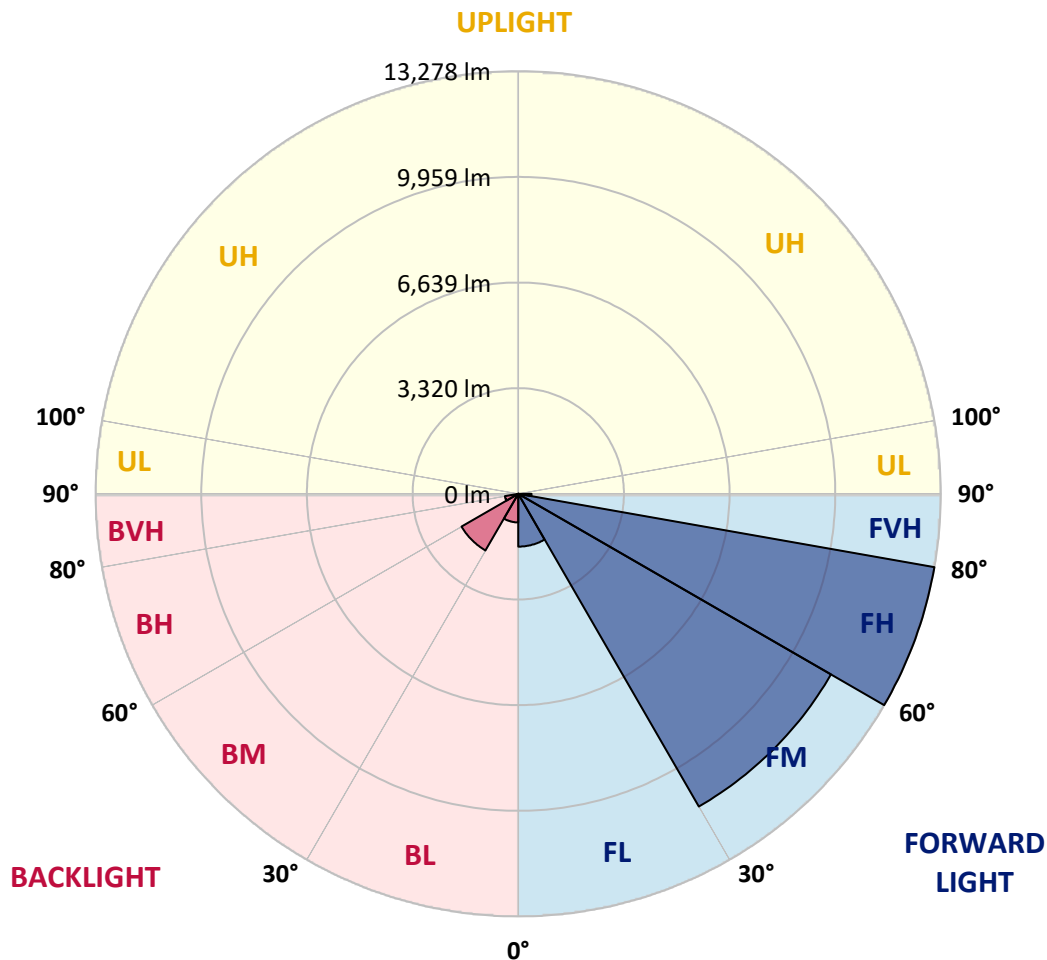
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1658.6	5.5			
FM	(30°-60°)	11346.2	37.7			
FH	(60°-80°)	13278.2	44.1			G5
FVH	(80°-90°)	418.7	1.4			G3/500
BL	(0°-30°)	899.8	3.0	B2/1000		
BM	(30°-60°)	2055.8	6.8	B2/2500		
BH	(60°-80°)	424.9	1.4	B1/500		G1/500
BVH	(80°-90°)	5.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8
2.5°	4166.8	4202.0	4208.6	4219.7	4219.7	4232.9	4254.9	4285.8	4336.5	4363.0
5°	3840.5	3866.9	3900.0	3926.4	3977.2	3983.8	4069.7	4153.5	4270.4	4358.6
7.5°	3512.0	3542.8	3586.9	3650.9	3717.0	3736.8	3866.9	4008.0	4193.2	4358.6
10°	3280.5	3282.7	3322.4	3386.3	3492.1	3516.4	3675.1	3875.7	4107.2	4332.1
12.5°	3150.4	3165.9	3183.5	3232.0	3333.4	3348.8	3518.6	3754.5	4021.2	4316.7
15°	3150.4	3161.4	3172.5	3196.7	3278.3	3291.5	3441.4	3677.3	3977.2	4323.3
17.5°	3183.5	3201.1	3192.3	3221.0	3306.9	3315.8	3448.0	3655.3	3974.9	4365.2
20°	3262.9	3276.1	3258.4	3276.1	3362.1	3379.7	3516.4	3697.2	4012.4	4437.9
22.5°	3388.5	3395.1	3353.2	3366.5	3454.7	3476.7	3635.4	3816.2	4102.8	4554.8
25°	3547.3	3560.5	3496.5	3512.0	3595.8	3622.2	3805.2	3994.8	4246.1	4715.7
27.5°	3730.2	3736.8	3681.7	3679.5	3787.6	3825.0	4010.2	4215.3	4437.9	4918.5
30°	3939.7	3959.5	3906.6	3897.8	4034.5	4065.3	4248.3	4486.4	4720.1	5222.8
32.5°	4105.0	4120.5	4089.6	4111.6	4250.5	4274.8	4537.1	4870.0	5163.2	5654.9
35°	4343.1	4351.9	4281.4	4321.1	4479.8	4541.5	4931.8	5408.0	5721.0	6197.2
37.5°	5205.1	5205.1	4905.3	4709.1	4861.2	4916.3	5471.9	6084.8	6408.9	6924.7
40°	6397.8	6378.0	5939.3	5538.0	5518.2	5626.2	6241.3	6938.0	7297.3	7797.8
42.5°	7669.9	7639.0	7041.6	6644.8	6578.6	6616.1	7129.8	7989.6	8355.6	8862.6
45°	8798.7	8789.9	8243.1	7709.6	7590.5	7709.6	8238.7	9219.8	9482.1	10015.6
47.5°	9744.5	9744.5	9345.4	8997.1	8935.4	9005.9	9740.1	10584.4	10560.2	11243.6
50°	10833.6	10824.7	10445.5	10295.6	10359.6	10458.8	11468.5	12021.9	11675.7	12449.6
52.5°	11596.4	11649.3	11519.2	11494.9	11821.2	11993.2	13223.4	13428.4	12674.4	13593.8
55°	12200.4	12262.2	12412.1	12581.8	13210.1	13435.0	14923.1	14762.2	13510.0	14585.8
57.5°	13055.8	12967.6	13199.1	13534.2	14550.6	14821.7	16570.0	16021.1	14182.4	15390.5
60°	14094.2	14107.4	14147.1	14570.4	15888.8	16237.1	18192.6	17211.6	14614.5	15884.4
62.5°	15342.0	15361.9	15443.4	16093.8	17685.5	18014.0	19921.0	18186.0	14812.9	15745.5
65°	15256.0	15339.8	16250.3	18474.8	20417.1	20741.2	21938.3	18869.4	14513.1	14475.6
67.5°	13898.0	14034.7	15558.1	21318.8	24535.3	24896.9	24376.6	19003.9	13219.0	11256.8
70°	12116.7	12165.2	13997.2	23876.2	29304.0	29669.9	26559.2	17524.6	10031.1	6278.8
72.5°	9462.3	9473.3	11622.8	24469.2	31892.2	31912.0	24846.2	13009.5	5394.7	2411.9
75°	6759.4	6693.3	7784.6	19843.9	28058.3	28283.2	18626.9	6102.4	2061.3	1139.8
77.5°	3624.4	3697.2	4404.9	11768.3	19383.1	19766.7	10163.3	1759.3	1049.4	776.0
80°	1120.0	1181.7	1805.6	5388.1	10979.1	11210.5	3767.7	782.6	731.9	553.4
82.5°	352.7	366.0	842.2	2264.2	4557.0	4662.8	1091.3	443.1	500.5	366.0
85°	101.4	103.6	374.8	844.4	1126.6	1148.6	306.4	172.0	286.6	227.1
87.5°	11.0	35.3	141.1	141.1	99.2	97.0	33.1	37.5	81.6	28.7
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°
4360.8	0°	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8	4360.8
4380.6	2.5°	4369.6	4371.8	4343.1	4294.6	4241.7	4197.6	4142.5	4098.4	4067.5	4058.7
4420.3	5°	4400.4	4385.0	4303.4	4155.7	3979.4	3827.2	3657.5	3523.0	3434.8	3397.3
4462.2	7.5°	4446.7	4402.6	4224.1	3933.1	3595.8	3295.9	2991.7	2755.8	2605.9	2530.9
4501.9	10°	4486.4	4398.2	4091.8	3611.2	3095.3	2641.1	2231.1	1946.7	1788.0	1713.0
4548.2	12.5°	4523.9	4396.0	3919.8	3229.8	2530.9	1975.3	1593.9	1452.9	1408.8	1393.3
4623.1	15°	4594.5	4402.6	3703.8	2793.3	1968.7	1492.5	1353.6	1351.4	1360.3	1355.8
4737.8	17.5°	4691.5	4409.3	3459.1	2330.3	1519.0	1316.2	1309.6	1329.4	1342.6	1336.0
4881.1	20°	4817.1	4435.7	3198.9	1871.7	1305.1	1272.1	1287.5	1305.1	1316.2	1305.1
5072.9	22.5°	4993.5	4482.0	2914.5	1503.6	1236.8	1245.6	1258.8	1278.7	1289.7	1274.3
5317.6	25°	5209.5	4554.8	2634.5	1307.3	1203.7	1214.8	1234.6	1256.6	1269.9	1254.4
5626.2	27.5°	5489.5	4671.6	2376.6	1263.3	1170.7	1177.3	1205.9	1239.0	1256.6	1236.8
6064.9	30°	5895.2	4863.4	2153.9	1283.1	1150.8	1135.4	1175.1	1221.4	1241.2	1223.6
6662.4	32.5°	6433.1	5134.6	2017.2	1314.0	1142.0	1086.9	1124.4	1183.9	1217.0	1205.9
7442.8	35°	7138.6	5546.9	1964.3	1349.2	1135.4	1036.2	1062.6	1126.6	1183.9	1194.9
8426.1	37.5°	7994.0	6120.1	1979.8	1364.7	1115.5	994.3	1007.5	1062.6	1137.6	1172.9
9532.8	40°	8966.2	6788.1	2067.9	1349.2	1093.5	959.0	961.2	1003.1	1069.2	1122.2
10723.3	42.5°	9969.3	7568.5	2231.1	1291.9	1073.7	928.1	921.5	950.2	994.3	1031.8
11911.6	45°	10923.9	8371.0	2392.0	1212.5	1049.4	897.3	881.9	892.9	901.7	917.1
13069.1	47.5°	11757.3	8935.4	2345.7	1139.8	1016.3	862.0	835.6	831.1	804.7	802.5
14103.0	50°	12332.7	9058.8	2083.4	1067.0	967.8	822.3	780.4	754.0	707.7	685.6
14876.8	52.5°	12515.7	8571.6	1702.0	994.3	888.5	769.4	709.9	668.0	610.7	590.8
15322.2	55°	12273.2	7617.0	1360.3	906.1	778.2	698.9	632.7	577.6	531.3	507.1
15370.7	57.5°	11680.1	6402.2	1075.9	802.5	661.4	619.5	553.4	498.2	458.6	434.3
14832.8	60°	10696.9	5083.9	851.0	679.0	564.4	533.5	465.2	429.9	394.6	366.0
13443.8	62.5°	9204.3	3628.8	668.0	537.9	471.8	436.5	396.8	370.4	328.5	288.8
10946.0	65°	7182.7	2220.1	515.9	394.6	379.2	361.6	337.3	313.1	262.4	222.7
7140.8	67.5°	4530.5	1051.6	368.2	297.6	299.8	291.0	280.0	260.1	222.7	187.4
3198.9	70°	1995.2	509.3	242.5	227.1	222.7	222.7	231.5	224.9	189.6	156.5
1111.1	72.5°	679.0	273.4	180.8	172.0	160.9	158.7	194.0	187.4	152.1	121.3
553.4	75°	354.9	183.0	132.3	123.5	97.0	116.8	154.3	145.5	108.0	79.4
366.0	77.5°	231.5	130.1	90.4	79.4	55.1	77.2	114.6	101.4	63.9	39.7
240.3	80°	145.5	86.0	52.9	37.5	26.5	41.9	61.7	44.1	24.3	8.8
141.1	82.5°	77.2	44.1	19.8	13.2	11.0	13.2	15.4	11.0	4.4	0.0
72.8	85°	30.9	15.4	6.6	4.4	2.2	0.0	4.4	2.2	0.0	0.0
13.2	87.5°	11.0	2.2	0.0	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



<u>180°</u>
4360.8
4074.2
3410.6
2541.9
1715.2
1388.9
1353.6
1333.8
1302.9
1272.1
1252.2
1236.8
1221.4
1205.9
1194.9
1181.7
1139.8
1047.2
925.9
800.3
687.8
588.6
507.1
429.9
359.4
282.2
216.1
183.0
149.9
114.6
72.8
35.3
6.6
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