

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: P848275

Luminaire Tested: **GLAN-SB4D-735-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848275  
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-SB4D-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 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: 29224 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

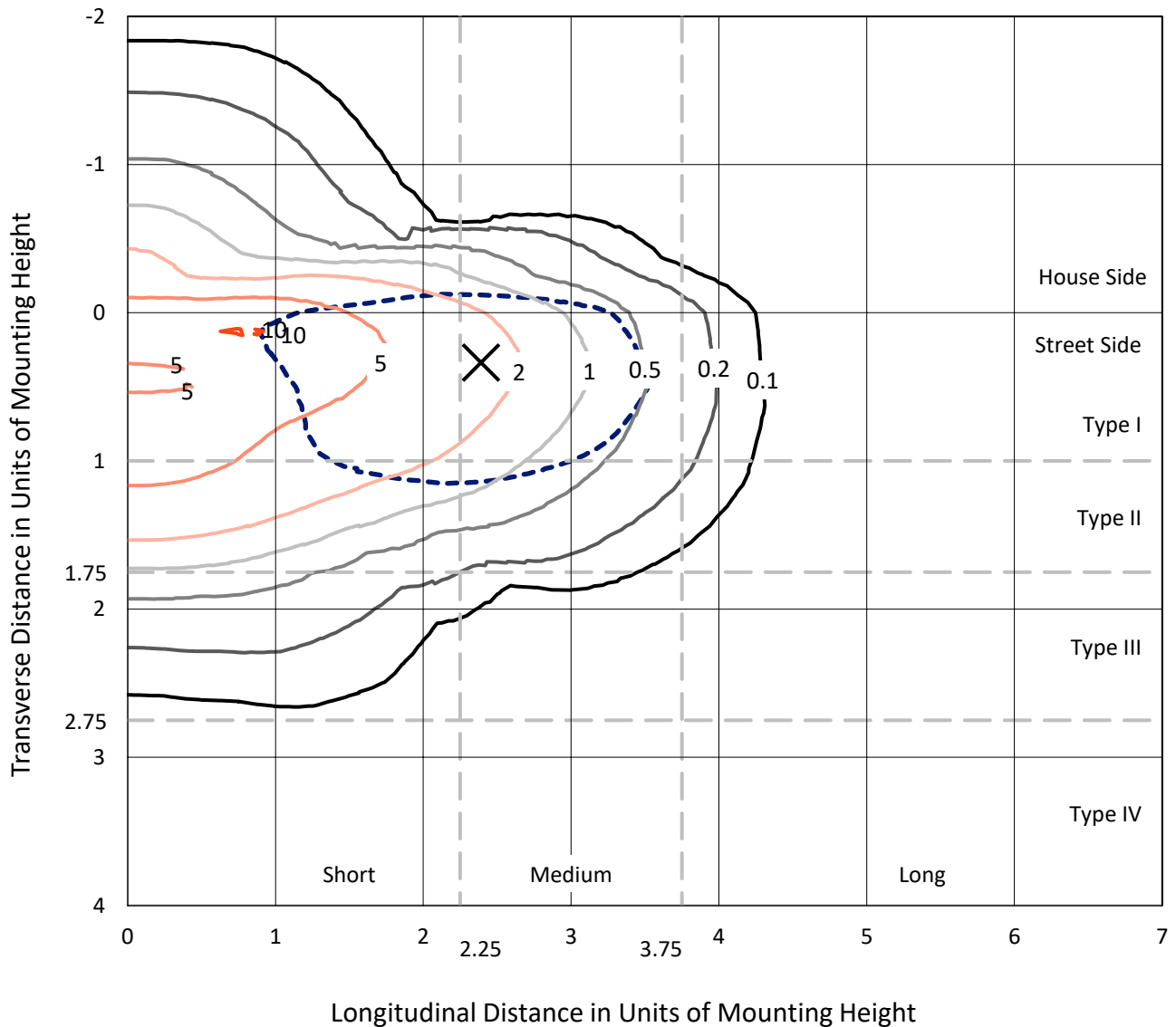
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

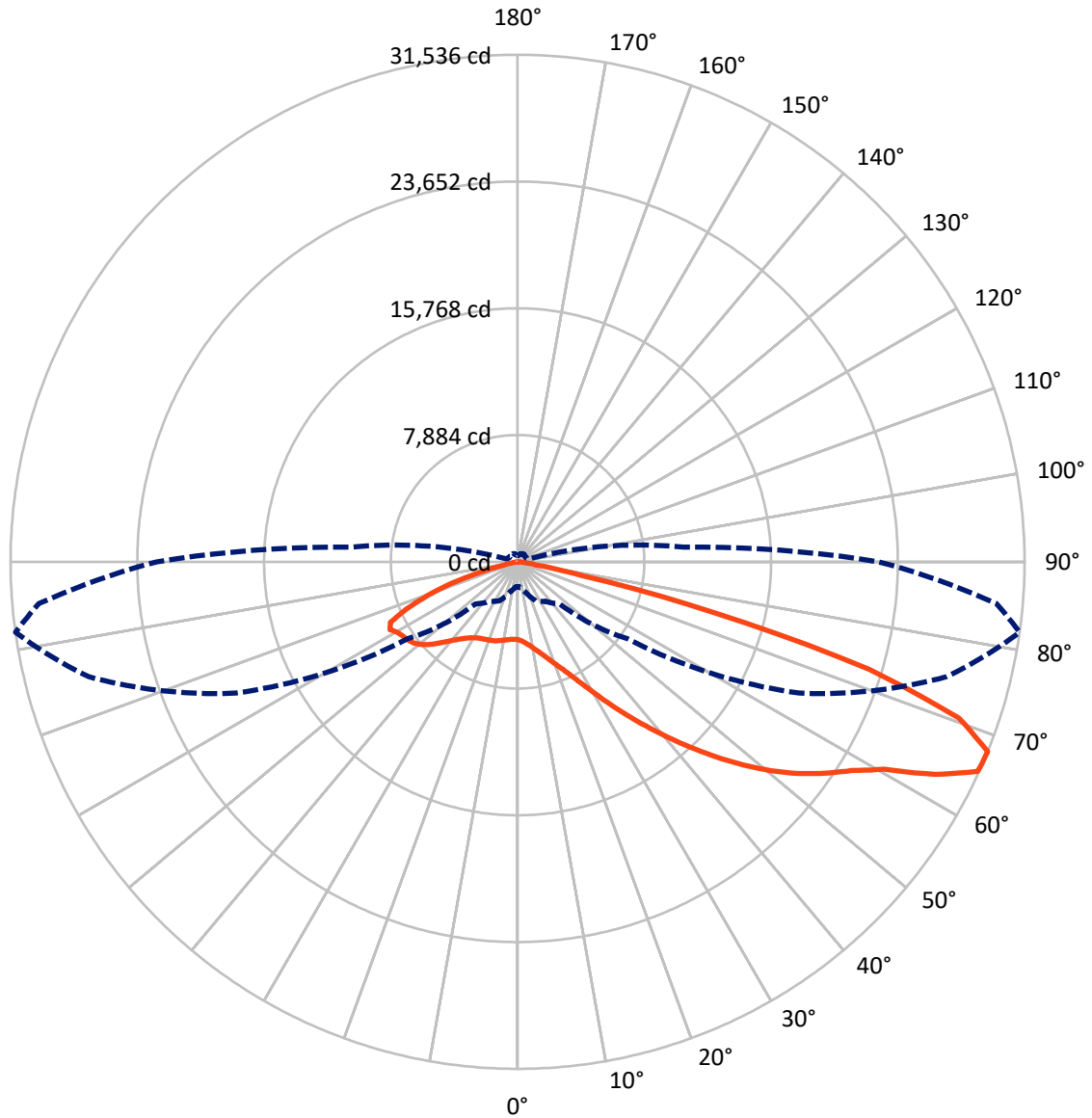
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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
<b>House Side</b>	Lumens	5293.7	0.0	5293.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23930.3	0.0	23930.3
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	29224.0	0.0	29224.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	431.3	1.5
10°-20°	1120.9	3.8
20°-30°	1795.3	6.1
30°-40°	3174.6	10.9
40°-50°	5562.2	19.0
50°-60°	7418.4	25.4
60°-70°	6906.1	23.6
70°-80°	2650.6	9.1
80°-90°	164.6	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°	29224.0	100.0
0°-180°	29224.0	100.0

**Coefficient of Utilization**

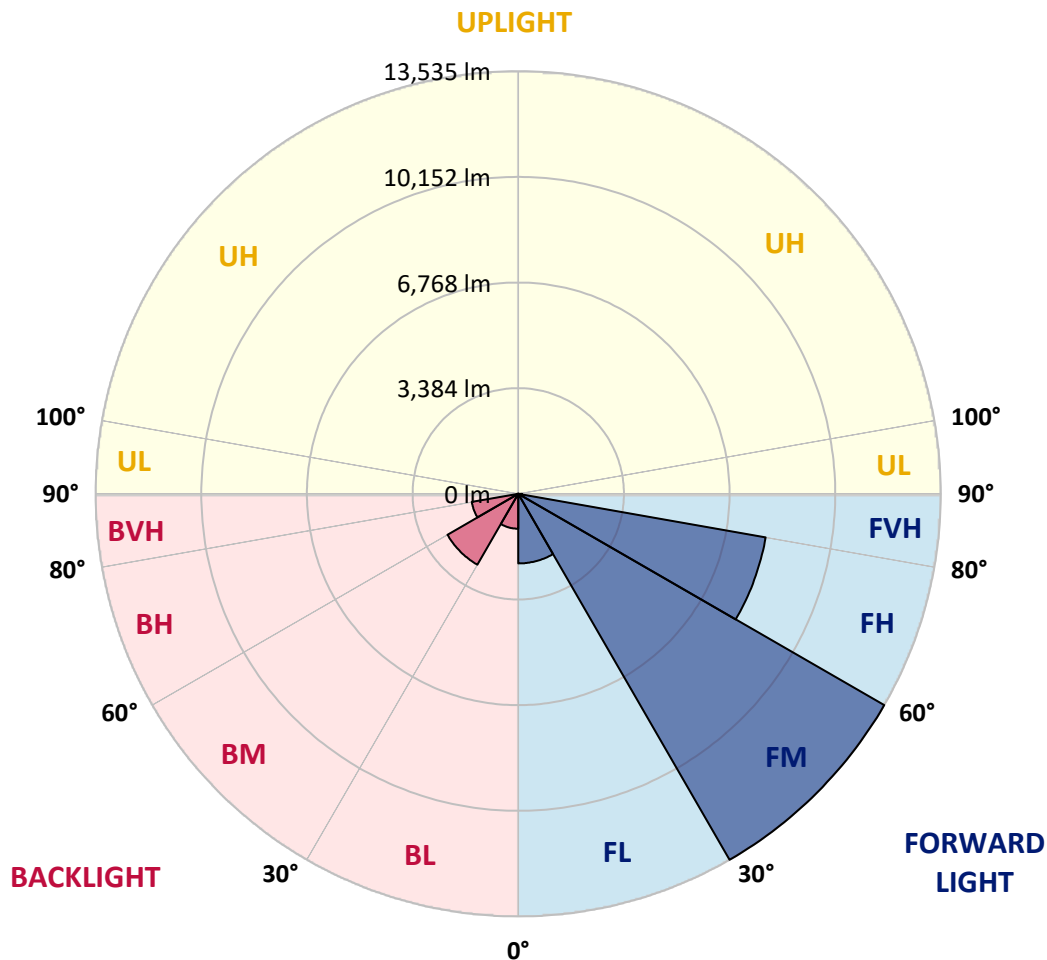


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2229.5	7.6			
FM (30°-60°)	13535.4	46.3			
FH (60°-80°)	8045.8	27.5			G4/12000
FVH (80°-90°)	119.7	0.4			G2/225
BL (0°-30°)	1118.0	3.8	B3/2500		
BM (30°-60°)	2619.8	9.0	B3/5000		
BH (60°-80°)	1510.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	44.9	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°	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4
2.5°	5117.1	5146.5	5129.7	5121.3	5106.5	5085.5	5068.7	5016.1	4961.4	4925.6
5°	5220.2	5249.6	5247.5	5255.9	5266.4	5272.8	5268.6	5209.6	5131.8	5070.8
7.5°	5131.8	5165.5	5192.8	5234.9	5308.5	5386.4	5424.3	5411.6	5331.7	5247.5
10°	4881.4	4917.2	4982.4	5081.3	5237.0	5405.3	5546.3	5611.5	5561.0	5468.4
12.5°	4422.7	4458.5	4586.8	4801.5	5062.4	5354.8	5624.1	5798.8	5811.4	5718.8
15°	3907.2	3943.0	4079.8	4349.1	4746.7	5215.9	5666.2	5996.6	6108.1	6028.1
17.5°	3587.4	3619.0	3722.1	3938.8	4353.3	4938.2	5651.5	6207.0	6461.5	6398.4
20°	3490.6	3518.0	3566.4	3717.9	4062.9	4650.0	5554.7	6404.7	6842.4	6806.6
22.5°	3593.7	3619.0	3633.7	3701.0	3917.7	4460.6	5432.7	6606.7	7284.2	7288.4
25°	3831.5	3856.7	3839.9	3882.0	3976.7	4401.7	5386.4	6844.5	7839.7	7886.0
27.5°	4222.8	4224.9	4185.0	4182.9	4197.6	4490.1	5434.8	7099.1	8540.4	8626.6
30°	5007.6	4976.1	4822.5	4656.3	4580.5	4755.2	5569.4	7400.0	9367.2	9520.8
32.5°	6217.5	6171.2	5889.2	5491.6	5091.8	5182.3	5811.4	7742.9	10267.8	10545.5
35°	7530.4	7517.8	7223.2	6632.0	5933.4	5790.4	6204.9	8193.2	11250.4	11692.2
37.5°	8750.8	8744.4	8576.1	7879.7	7029.6	6638.3	6836.1	8782.3	12302.4	12942.0
40°	9865.9	9884.8	9716.5	9093.7	8237.4	7726.1	7694.5	9510.3	13472.3	14303.4
42.5°	10829.6	10850.6	10680.2	10219.4	9430.4	8929.6	8748.7	10402.4	14614.8	15765.7
45°	11483.9	11614.4	11589.1	11220.9	10654.9	10135.2	10015.3	11521.8	15917.2	17316.4
47.5°	11669.1	11789.0	11978.4	12028.9	11683.8	11172.5	11315.6	12870.5	17234.3	18869.2
50°	11212.5	11324.0	11717.5	12241.4	12481.2	12323.4	12580.1	14316.0	18583.0	20417.7
52.5°	10312.0	10425.6	10922.1	11751.1	12729.5	13226.1	13848.9	15740.4	19889.6	21884.3
55°	9009.6	9129.5	9767.0	10705.4	12256.1	13598.5	14907.2	17162.8	21086.8	23203.5
57.5°	7237.9	7326.3	7989.1	9302.0	11065.2	13228.2	15687.8	18715.6	22214.6	24499.6
60°	4717.3	4795.1	5565.2	7029.6	9091.6	11991.0	15843.5	20447.2	23712.7	26184.9
62.5°	3137.1	3189.7	3646.3	4721.5	6402.6	9615.5	14932.5	21829.6	25909.3	29118.0
65°	2152.4	2205.0	2661.6	3410.7	4136.6	6360.6	12312.9	21646.5	27899.8	31447.2
67.5°	1536.0	1580.1	1967.3	2674.3	2994.1	3694.7	8346.8	19306.8	27613.6	31535.6
70°	1100.4	1125.7	1445.5	2083.0	2379.7	2219.8	4641.5	14766.2	24177.7	29120.1
72.5°	770.1	778.5	1003.6	1586.5	1916.8	1620.1	2209.3	9844.9	18286.3	22856.3
75°	521.8	532.3	675.4	1163.5	1538.1	1237.2	1169.9	5279.1	10734.9	12651.7
77.5°	319.8	324.0	435.5	795.3	1150.9	942.6	753.3	2236.6	4153.4	4077.7
80°	180.9	180.9	277.7	494.5	784.8	608.1	528.1	951.0	1315.0	1155.1
82.5°	101.0	103.1	202.0	307.2	519.7	359.8	290.4	439.7	568.1	502.9
85°	42.1	46.3	124.1	145.2	248.3	178.8	117.8	185.2	210.4	187.3
87.5°	4.2	6.3	37.9	27.4	29.5	35.8	16.8	35.8	29.5	29.5
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°
4841.4	0°	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4	4841.4
4913.0	2.5°	4873.0	4841.4	4761.5	4668.9	4546.9	4487.9	4408.0	4353.3	4307.0	4311.2
5035.0	5°	4967.7	4887.7	4708.9	4485.8	4208.1	4010.3	3799.9	3654.7	3536.9	3511.7
5203.3	7.5°	5098.1	4971.9	4658.4	4256.5	3787.3	3431.7	3114.0	2909.9	2764.7	2718.4
5407.4	10°	5266.4	5083.4	4593.1	3968.2	3292.8	2840.5	2499.6	2339.7	2240.8	2207.2
5647.3	12.5°	5462.1	5211.7	4506.9	3616.9	2783.7	2348.1	2131.4	2051.5	2019.9	2009.4
5941.8	15°	5708.3	5371.6	4376.4	3200.3	2352.3	2047.2	1954.7	1944.1	1948.4	1944.1
6295.3	17.5°	6000.8	5546.3	4163.9	2771.0	2062.0	1893.6	1860.0	1868.4	1878.9	1876.8
6690.9	20°	6320.6	5718.8	3892.5	2390.2	1864.2	1784.2	1765.3	1773.7	1782.1	1777.9
7147.5	22.5°	6684.6	5904.0	3591.6	2093.5	1731.6	1683.2	1662.2	1664.3	1664.3	1655.9
7726.1	25°	7120.1	6108.1	3276.0	1883.1	1630.6	1592.8	1567.5	1559.1	1546.5	1521.2
8428.8	27.5°	7639.8	6324.8	2973.0	1735.8	1550.7	1514.9	1485.5	1464.4	1432.9	1390.8
9272.6	30°	8224.7	6587.8	2716.3	1643.3	1487.6	1451.8	1418.1	1386.6	1340.3	1287.7
10242.5	32.5°	8912.8	6869.7	2529.1	1582.2	1430.8	1392.9	1352.9	1315.0	1264.5	1211.9
11332.4	35°	9733.4	7210.6	2419.7	1540.2	1386.6	1336.1	1291.9	1249.8	1211.9	1165.6
12517.0	37.5°	10623.4	7572.5	2386.0	1519.1	1357.1	1279.3	1228.8	1199.3	1195.1	1167.7
13798.4	40°	11597.5	8001.7	2411.2	1506.5	1325.6	1224.6	1169.9	1163.5	1174.1	1125.7
15168.1	42.5°	12628.5	8510.9	2453.3	1491.8	1281.4	1169.9	1117.3	1117.3	1108.8	1041.5
16615.7	45°	13743.7	9097.9	2495.4	1456.0	1228.8	1115.1	1075.2	1060.4	1024.7	959.4
18071.7	47.5°	14867.2	9695.5	2527.0	1390.8	1165.6	1068.9	1033.1	999.4	946.8	887.9
19500.4	50°	15934.0	10232.0	2493.3	1294.0	1094.1	1024.7	986.8	940.5	883.7	843.7
20853.3	52.5°	16887.1	10697.0	2350.2	1180.4	1018.4	978.4	944.7	896.3	850.0	808.0
22073.6	55°	17716.1	11073.6	2097.7	1073.1	951.0	938.4	904.7	843.7	780.6	744.8
23283.5	57.5°	18511.5	11359.8	1782.1	984.7	890.0	894.2	843.7	789.0	730.1	692.2
24914.1	60°	19569.8	11742.7	1462.3	902.6	824.8	837.4	782.7	742.7	669.1	620.7
27710.4	62.5°	21261.5	12338.2	1161.4	801.6	749.0	753.3	730.1	681.7	593.3	536.5
29782.9	65°	22603.9	12119.3	915.3	692.2	662.8	669.1	669.1	616.5	521.8	456.6
29894.4	67.5°	22452.4	10377.2	730.1	584.9	580.7	584.9	599.7	555.5	462.9	410.3
27617.8	70°	20682.8	8254.2	584.9	486.0	505.0	494.5	536.5	507.1	416.6	364.0
21410.9	72.5°	16876.6	5946.1	446.1	401.9	387.1	404.0	483.9	456.6	347.2	288.3
11340.9	75°	9861.7	3172.9	332.4	317.7	279.8	336.6	429.2	389.2	265.1	212.5
3475.9	77.5°	3210.8	1106.7	244.1	233.5	208.3	271.4	366.1	328.2	216.7	168.3
1018.4	80°	860.6	334.5	166.2	153.6	134.7	202.0	290.4	260.9	155.7	109.4
437.6	82.5°	345.1	141.0	96.8	86.3	73.6	138.9	229.3	210.4	115.7	69.4
136.8	85°	111.5	46.3	35.8	27.4	33.7	86.3	136.8	143.1	82.1	35.8
21.0	87.5°	14.7	6.3	6.3	8.4	6.3	14.7	42.1	40.0	23.1	4.2
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



<u>180°</u>
4841.4
4269.1
3454.9
2672.1
2181.9
2003.1
1942.0
1872.6
1775.8
1651.7
1517.0
1386.6
1283.5
1214.0
1161.4
1165.6
1127.8
1041.5
957.3
885.8
837.4
803.7
740.6
688.0
614.4
532.3
450.3
401.9
357.7
281.9
206.2
162.0
107.3
69.4
27.4
0.0
0.0

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