

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: P849505

Luminaire Tested: **GLAN-SB6C-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849505  
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-SB6C-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 615mA 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: 26441 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

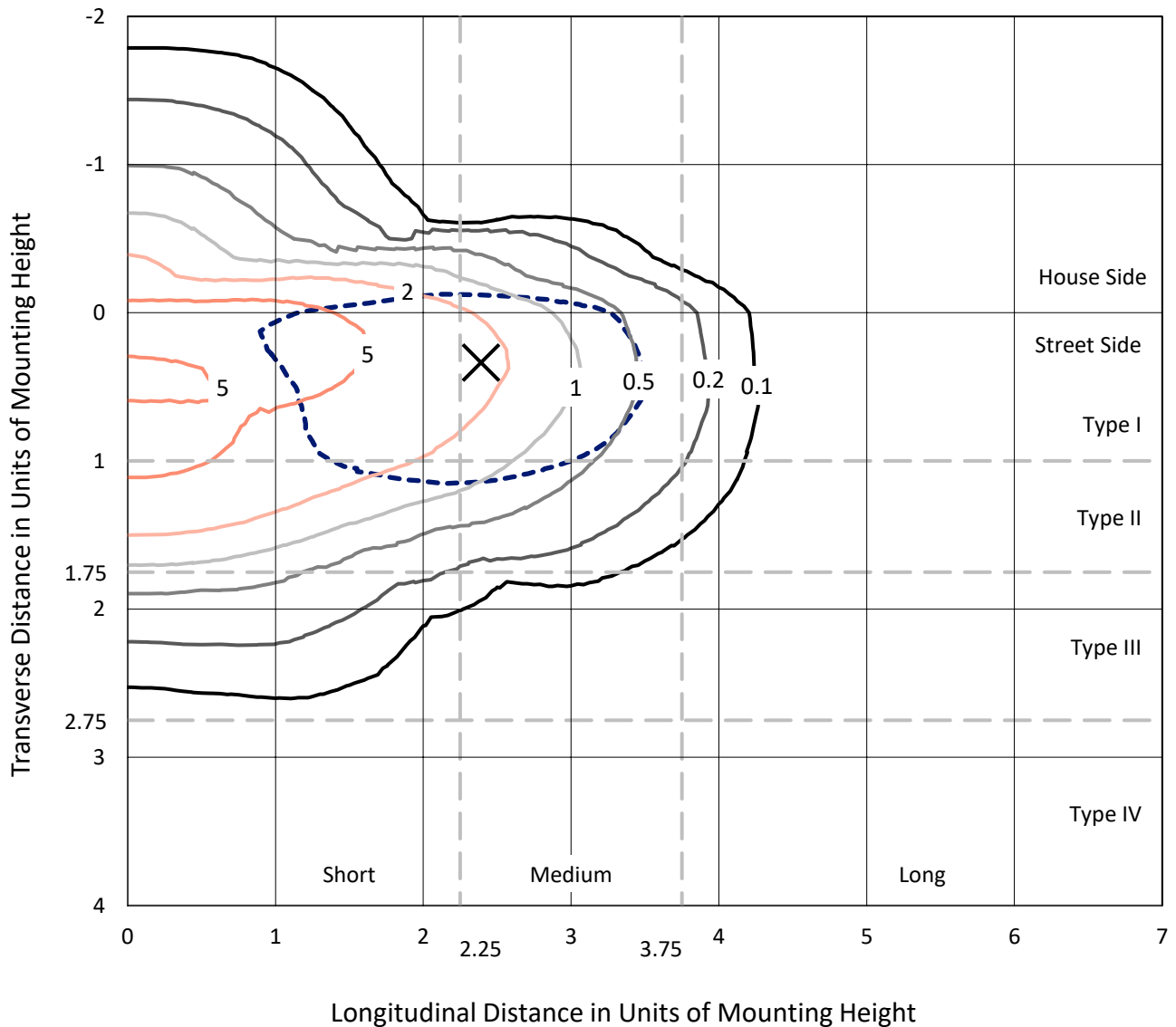
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

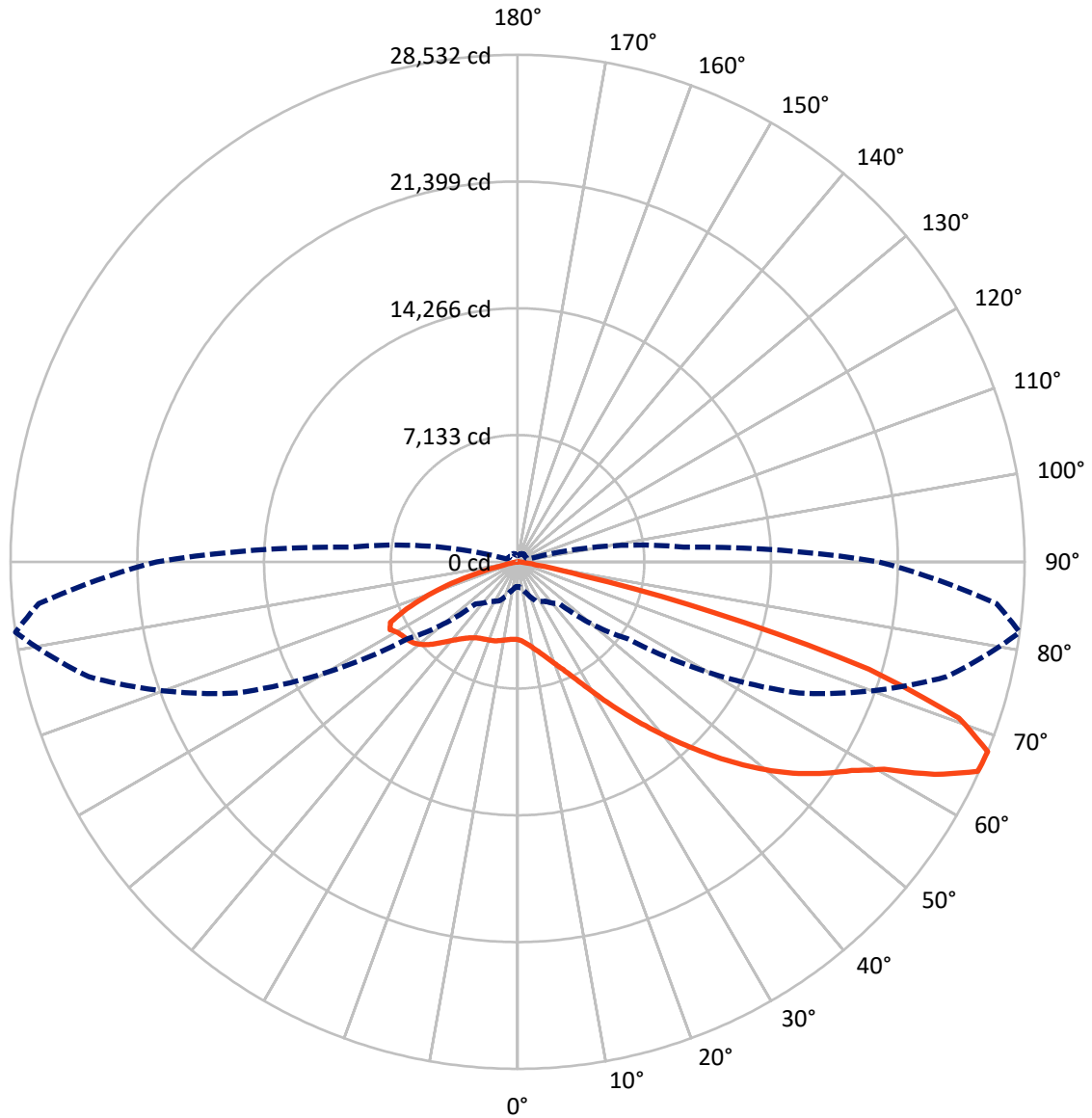
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	4789.6	0.0	4789.6
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	21651.4	0.0	21651.4
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	26441.0	0.0	26441.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.3	1.5
10°-20°	1014.1	3.8
20°-30°	1624.3	6.1
30°-40°	2872.3	10.9
40°-50°	5032.5	19.0
50°-60°	6712.0	25.4
60°-70°	6248.5	23.6
70°-80°	2398.2	9.1
80°-90°	149.0	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°	26441.0	100.0
0°-180°	26441.0	100.0

**Coefficient of Utilization**

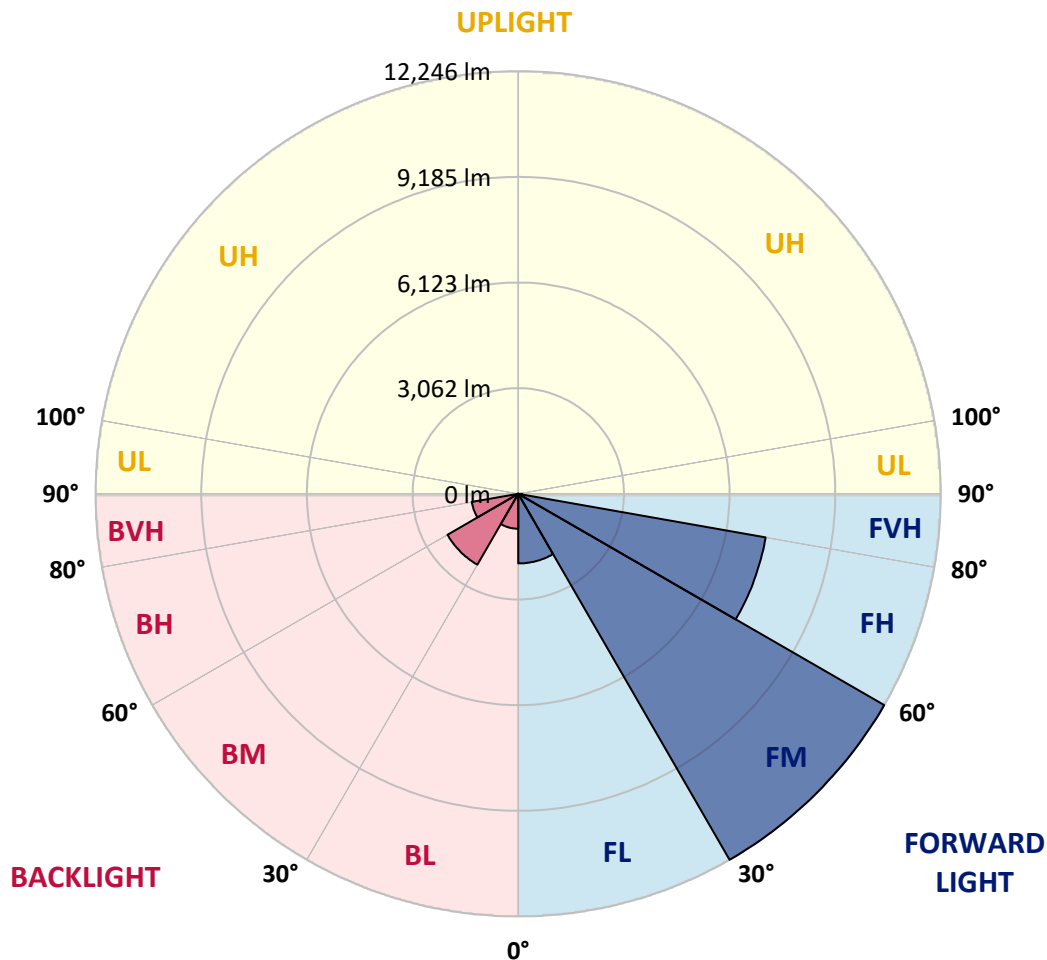


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2017.2	7.6			
FM (30°-60°)	12246.4	46.3			
FH (60°-80°)	7279.6	27.5			G3/7500
FVH (80°-90°)	108.3	0.4			G2/225
BL (0°-30°)	1011.5	3.8	B3/2500		
BM (30°-60°)	2370.3	9.0	B2/2500		
BH (60°-80°)	1367.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	40.7	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°	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4
2.5°	4629.8	4656.4	4641.2	4633.6	4620.2	4601.2	4586.0	4538.4	4488.9	4456.5
5°	4723.0	4749.7	4747.8	4755.4	4764.9	4770.6	4766.8	4713.5	4643.1	4587.9
7.5°	4643.1	4673.5	4698.3	4736.4	4803.0	4873.4	4907.7	4896.3	4823.9	4747.8
10°	4416.5	4448.9	4507.9	4597.4	4738.3	4890.6	5018.1	5077.1	5031.4	4947.7
12.5°	4001.5	4033.9	4150.0	4344.2	4580.3	4844.9	5088.5	5246.6	5258.0	5174.2
15°	3535.1	3567.5	3691.2	3934.9	4294.7	4719.2	5126.6	5425.5	5526.4	5454.1
17.5°	3245.8	3274.3	3367.6	3563.7	3938.7	4467.9	5113.3	5615.9	5846.2	5789.1
20°	3158.2	3183.0	3226.7	3363.8	3676.0	4207.1	5025.7	5794.8	6190.8	6158.4
22.5°	3251.5	3274.3	3287.7	3348.6	3544.7	4035.8	4915.3	5977.6	6590.6	6594.4
25°	3466.6	3489.5	3474.2	3512.3	3598.0	3982.5	4873.4	6192.7	7093.1	7135.0
27.5°	3820.7	3822.6	3786.4	3784.5	3797.9	4062.5	4917.2	6423.0	7727.1	7805.1
30°	4530.8	4502.2	4363.2	4212.9	4144.3	4302.3	5039.1	6695.3	8475.2	8614.2
32.5°	5625.4	5583.5	5328.4	4968.6	4606.9	4688.8	5258.0	7005.6	9290.0	9541.3
35°	6813.3	6801.9	6535.4	6000.4	5368.4	5238.9	5614.0	7412.9	10179.0	10578.8
37.5°	7917.4	7911.7	7759.4	7129.3	6360.2	6006.1	6185.1	7946.0	11130.8	11709.6
40°	8926.4	8943.5	8791.2	8227.7	7452.9	6990.3	6961.8	8604.7	12189.3	12941.2
42.5°	9798.3	9817.3	9663.1	9246.2	8532.3	8079.2	7915.5	9411.8	13223.0	14264.3
45°	10390.3	10508.3	10485.5	10152.4	9640.3	9170.1	9061.5	10424.6	14401.4	15667.3
47.5°	10557.8	10666.3	10837.7	10883.4	10571.2	10108.6	10238.0	11644.8	15593.1	17072.2
50°	10144.7	10245.6	10601.6	11075.6	11292.7	11149.9	11382.1	12952.7	16813.3	18473.4
52.5°	9330.0	9432.8	9882.0	10632.1	11517.3	11966.6	12530.1	14241.5	17995.5	19800.2
55°	8151.6	8260.1	8836.9	9685.9	11089.0	12303.5	13487.6	15528.4	19078.7	20993.8
57.5°	6548.7	6628.6	7228.3	8416.2	10011.5	11968.5	14193.9	16933.3	20099.1	22166.5
60°	4268.1	4338.5	5035.2	6360.2	8225.8	10849.1	14334.7	18500.0	21454.5	23691.4
62.5°	2838.4	2886.0	3299.1	4271.9	5792.9	8699.8	13510.5	19750.7	23442.0	26345.1
65°	1947.5	1995.1	2408.2	3085.9	3742.6	5754.8	11140.4	19585.1	25242.9	28452.5
67.5°	1389.7	1429.7	1779.9	2419.6	2708.9	3342.9	7551.9	17468.2	24984.0	28532.4
70°	995.6	1018.5	1307.8	1884.6	2153.1	2008.4	4199.5	13360.1	21875.2	26347.0
72.5°	696.7	704.4	908.1	1435.4	1734.3	1465.8	1998.9	8907.3	16544.9	20679.7
75°	472.1	481.6	611.1	1052.7	1391.6	1119.4	1058.4	4776.3	9712.6	11446.9
77.5°	289.4	293.2	394.1	719.6	1041.3	852.9	681.5	2023.6	3757.9	3689.3
80°	163.7	163.7	251.3	447.4	710.1	550.2	477.8	860.5	1189.8	1045.1
82.5°	91.4	93.3	182.8	277.9	470.2	325.5	262.7	397.9	514.0	455.0
85°	38.1	41.9	112.3	131.4	224.6	161.8	106.6	167.5	190.4	169.4
87.5°	3.8	5.7	34.3	24.7	26.7	32.4	15.2	32.4	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°
4380.4	0°	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4	4380.4
4445.1	2.5°	4408.9	4380.4	4308.0	4224.3	4113.9	4060.6	3988.2	3938.7	3896.8	3900.7
4555.5	5°	4494.6	4422.3	4260.4	4058.7	3807.4	3628.4	3438.1	3306.7	3200.1	3177.3
4707.8	7.5°	4612.6	4498.4	4214.8	3851.2	3426.6	3104.9	2817.5	2632.8	2501.4	2459.6
4892.5	10°	4764.9	4599.3	4155.7	3590.3	2979.3	2570.0	2261.6	2116.9	2027.4	1997.0
5109.5	12.5°	4942.0	4715.4	4077.7	3272.4	2518.6	2124.5	1928.4	1856.1	1827.5	1818.0
5376.0	15°	5164.7	4860.1	3959.7	2895.5	2128.3	1852.3	1768.5	1759.0	1762.8	1759.0
5695.8	17.5°	5429.3	5018.1	3767.4	2507.2	1865.6	1713.3	1682.9	1690.5	1700.0	1698.1
6053.7	20°	5718.7	5174.2	3521.8	2162.6	1686.7	1614.3	1597.2	1604.8	1612.4	1608.6
6466.8	22.5°	6048.0	5341.7	3249.6	1894.2	1566.7	1522.9	1503.9	1505.8	1505.8	1498.2
6990.3	25°	6442.1	5526.4	2964.0	1703.8	1475.4	1441.1	1418.2	1410.6	1399.2	1376.4
7626.2	27.5°	6912.3	5722.5	2689.9	1570.5	1403.0	1370.7	1344.0	1325.0	1296.4	1258.3
8389.5	30°	7441.5	5960.4	2457.7	1486.8	1345.9	1313.5	1283.1	1254.5	1212.6	1165.1
9267.1	32.5°	8064.0	6215.5	2288.2	1431.6	1294.5	1260.2	1224.1	1189.8	1144.1	1096.5
10253.2	35°	8806.4	6523.9	2189.2	1393.5	1254.5	1208.8	1168.9	1130.8	1096.5	1054.6
11325.0	37.5°	9611.7	6851.4	2158.8	1374.5	1227.9	1157.4	1111.8	1085.1	1081.3	1056.5
12484.4	40°	10493.1	7239.7	2181.6	1363.0	1199.3	1107.9	1058.4	1052.7	1062.3	1018.5
13723.7	42.5°	11425.9	7700.4	2219.7	1349.7	1159.3	1058.4	1010.9	1010.9	1003.2	942.3
15033.4	45°	12434.9	8231.5	2257.8	1317.3	1111.8	1009.0	972.8	959.5	927.1	868.1
16350.7	47.5°	13451.4	8772.2	2286.3	1258.3	1054.6	967.1	934.7	904.3	856.7	803.4
17643.4	50°	14416.6	9257.6	2255.9	1170.8	989.9	927.1	892.8	850.9	799.5	763.4
18867.4	52.5°	15279.0	9678.3	2126.4	1068.0	921.4	885.2	854.8	811.0	769.1	731.0
19971.6	55°	16029.0	10019.1	1898.0	970.9	860.5	849.0	818.6	763.4	706.3	673.9
21066.2	57.5°	16748.6	10278.0	1612.4	890.9	805.3	809.1	763.4	713.9	660.6	626.3
22541.5	60°	17706.2	10624.5	1323.1	816.7	746.2	757.7	708.2	672.0	605.4	561.6
25071.5	62.5°	19236.7	11163.2	1050.8	725.3	677.7	681.5	660.6	616.8	536.8	485.4
26946.7	65°	20451.3	10965.2	828.1	626.3	599.7	605.4	605.4	557.8	472.1	413.1
27047.6	67.5°	20314.2	9389.0	660.6	529.2	525.4	529.2	542.6	502.6	418.8	371.2
24987.8	70°	18713.2	7468.2	529.2	439.8	456.9	447.4	485.4	458.8	376.9	329.3
19371.9	72.5°	15269.5	5379.8	403.6	363.6	350.3	365.5	437.8	413.1	314.1	260.8
10260.9	75°	8922.6	2870.8	300.8	287.5	253.2	304.6	388.4	352.2	239.9	192.3
3144.9	77.5°	2905.0	1001.3	220.8	211.3	188.5	245.6	331.2	297.0	196.1	152.3
921.4	80°	778.6	302.7	150.4	139.0	121.8	182.8	262.7	236.1	140.9	99.0
396.0	82.5°	312.2	127.5	87.6	78.1	66.6	125.6	207.5	190.4	104.7	62.8
123.7	85°	100.9	41.9	32.4	24.7	30.5	78.1	123.7	129.5	74.2	32.4
19.0	87.5°	13.3	5.7	5.7	7.6	5.7	13.3	38.1	36.2	20.9	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

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180°
4380.4
3862.6
3125.9
2417.7
1974.1
1812.3
1757.1
1694.3
1606.7
1494.4
1372.6
1254.5
1161.2
1098.4
1050.8
1054.6
1020.4
942.3
866.2
801.5
757.7
727.2
670.1
622.5
555.9
481.6
407.4
363.6
323.6
255.1
186.6
146.6
97.1
62.8
24.7
0.0
0.0

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