

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: P849623

Luminaire Tested: **GLAN-SB6D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6D-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 59088 lumens  
Efficiency: N/A  
Efficacy: 134.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

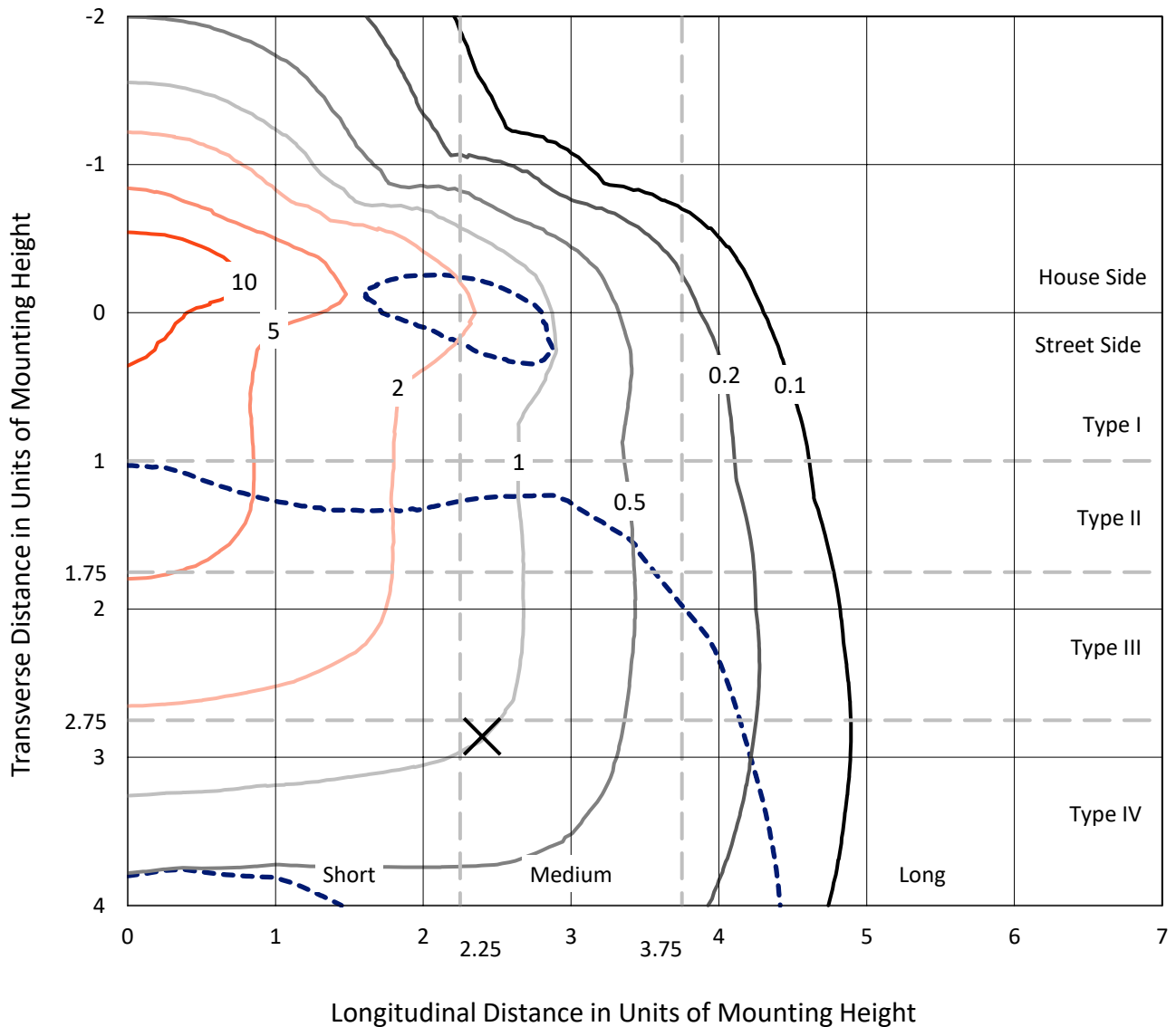
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

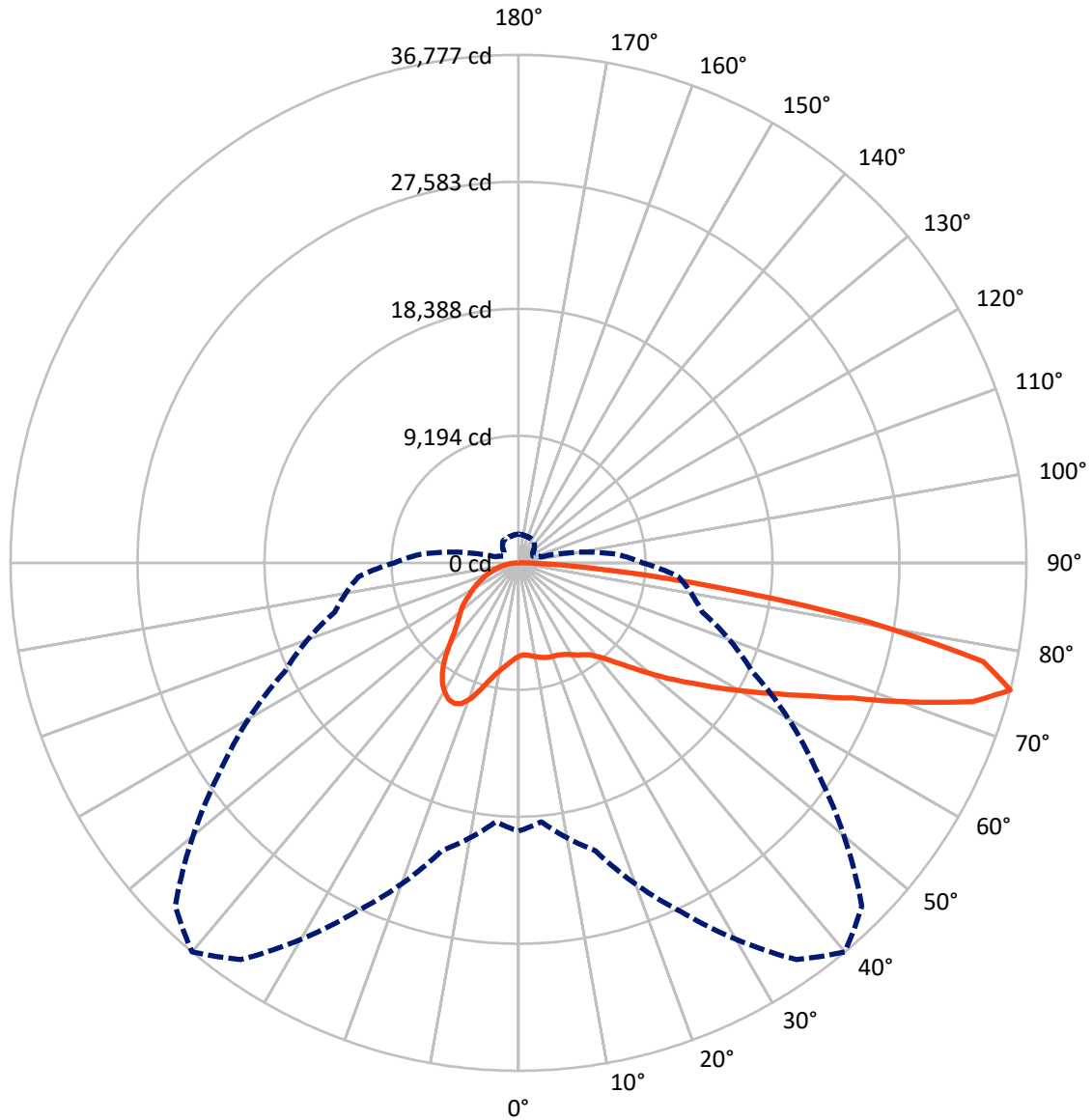
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18307.4	0.0	18307.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	40780.6	0.0	40780.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	59088.0	0.0	59088.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	674.5	1.1
10°-20°	2264.5	3.8
20°-30°	4134.7	7.0
30°-40°	5864.2	9.9
40°-50°	7918.4	13.4
50°-60°	10652.4	18.0
60°-70°	13520.3	22.9
70°-80°	12270.5	20.8
80°-90°	1788.6	3.0
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°	59088.0	100.0
0°-180°	59088.0	100.0

**Coefficient of Utilization**

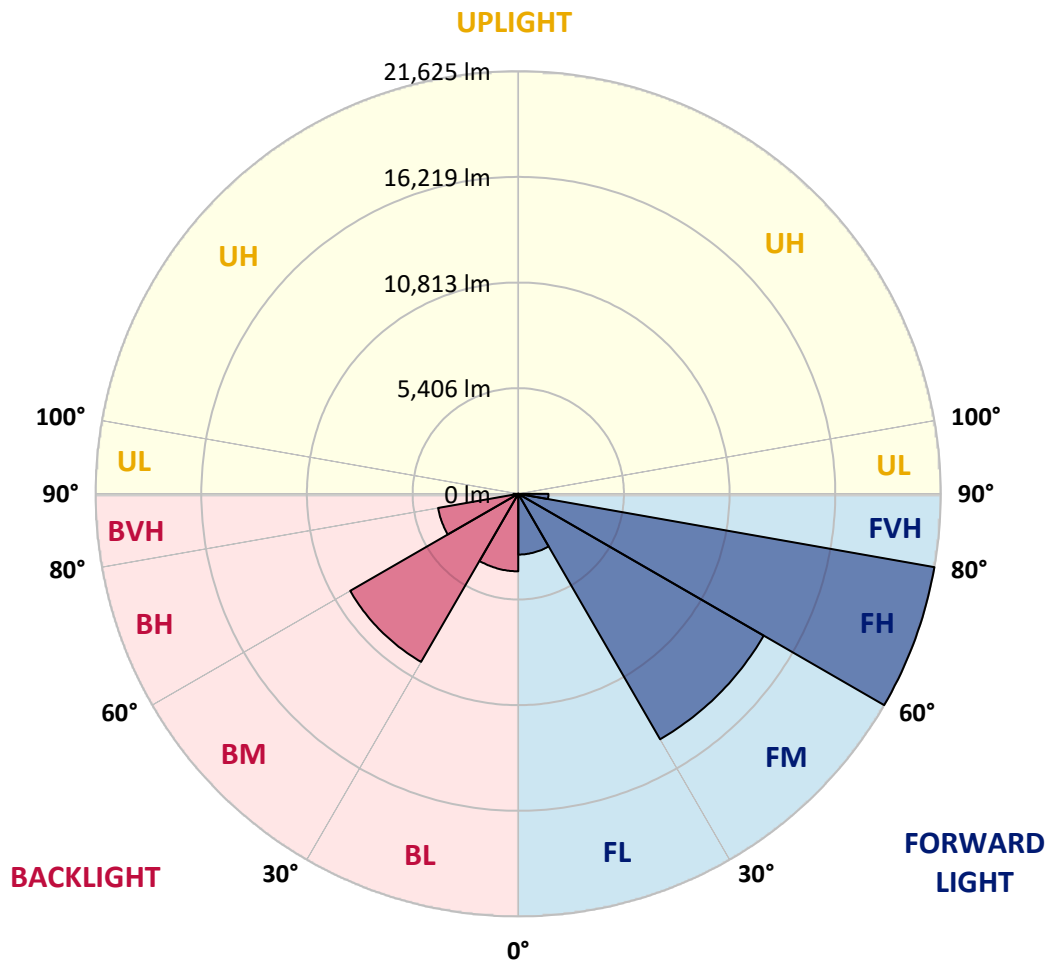


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3108.1	5.3			
FM (30°-60°)	14504.8	24.5			
FH (60°-80°)	21625.3	36.6			G5
FVH (80°-90°)	1542.4	2.6			G5
BL (0°-30°)	3965.6	6.7	B4/5000		
BM (30°-60°)	9930.1	16.8	B5		
BH (60°-80°)	4165.5	7.0	B4/5000		G4/5000
BVH (80°-90°)	246.3	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8
2.5°	6653.4	6691.0	6681.6	6669.0	6669.0	6672.2	6669.0	6691.0	6712.9	6734.9
5°	6722.3	6759.9	6741.1	6725.5	6712.9	6709.8	6700.4	6697.2	6709.8	6738.0
7.5°	6857.1	6894.7	6866.5	6838.3	6813.2	6800.7	6788.1	6769.3	6759.9	6775.6
10°	7007.5	7045.1	7010.6	6960.5	6919.8	6904.1	6891.6	6872.7	6860.2	6869.6
12.5°	7157.9	7195.5	7148.5	7079.6	7026.3	7016.9	7001.2	6995.0	6991.8	6988.7
15°	7299.0	7330.3	7270.8	7189.3	7132.9	7117.2	7101.5	7110.9	7126.6	7145.4
17.5°	7408.7	7440.0	7352.2	7245.7	7192.4	7186.1	7176.7	7208.1	7252.0	7299.0
20°	7508.9	7540.3	7427.5	7283.3	7220.6	7220.6	7223.7	7289.6	7352.2	7421.2
22.5°	7650.0	7675.0	7537.1	7339.7	7248.8	7255.1	7280.2	7346.0	7424.3	7518.3
25°	7859.9	7878.7	7709.5	7446.3	7342.8	7361.6	7383.6	7414.9	7490.1	7599.8
27.5°	8198.4	8214.1	7991.6	7634.3	7477.6	7508.9	7540.3	7518.3	7552.8	7646.8
30°	8674.8	8684.2	8402.1	7928.9	7706.4	7722.0	7728.3	7637.4	7571.6	7646.8
32.5°	9238.9	9235.7	8900.4	8286.2	7966.5	7950.8	7897.5	7718.9	7565.4	7631.2
35°	10113.2	10078.8	9646.3	8787.6	8261.1	8163.9	8038.6	7809.8	7596.7	7615.5
37.5°	11561.1	11454.6	10856.0	9608.7	8699.8	8452.3	8267.4	7957.1	7665.6	7609.2
40°	13193.9	13059.2	12401.0	10733.8	9358.0	8960.0	8662.2	8167.1	7778.5	7637.4
42.5°	15130.7	14939.5	14231.3	12059.4	10191.6	9615.0	9166.8	8433.5	7944.6	7728.3
45°	17509.4	17255.5	16252.7	13554.3	11241.5	10473.7	9875.1	8837.7	8198.4	7903.8
47.5°	19913.1	19975.8	18549.8	15265.5	12501.3	11532.9	10762.0	9445.7	8568.2	8185.9
50°	22467.3	22511.1	20834.5	17161.5	13930.4	12730.1	11758.6	10125.8	9082.2	8587.0
52.5°	24460.5	24466.7	22909.2	19145.3	15419.0	14046.4	12833.5	10903.0	9677.6	9119.8
55°	25707.8	25692.1	24363.3	21022.5	17130.2	15428.4	14024.4	11786.8	10404.7	9746.6
57.5°	26613.5	26566.5	25366.2	22636.5	18954.1	17061.2	15372.0	12789.6	11263.4	10492.5
60°	26958.2	26930.0	26046.2	24031.1	20872.1	18866.4	16926.5	13911.6	12238.1	11373.1
62.5°	27089.8	27143.1	26713.8	25381.8	22924.8	20865.8	18634.5	15252.9	13334.9	12369.7
65°	27553.7	27650.8	27563.1	27149.4	25243.9	23206.9	20900.3	16848.1	14532.1	13438.4
67.5°	28471.9	28569.1	28606.7	29264.8	28077.0	26124.6	23727.1	18835.0	15933.0	14547.8
70°	28450.0	28421.8	29086.2	30947.7	31624.7	30164.2	27538.0	21279.5	17603.4	15469.2
72.5°	25895.8	25670.2	27240.3	30928.9	34576.8	34382.5	32191.9	24432.3	19045.0	15582.0
75°	19427.3	18825.6	21599.2	27873.3	35068.9	36776.9	35150.4	26387.8	18703.4	13767.4
77.5°	8308.1	7703.2	10972.0	20633.9	31386.5	34379.4	32436.4	23022.0	14930.1	9104.1
80°	2175.0	2171.8	3315.7	9354.8	21345.3	25388.1	22273.0	14867.4	8530.6	3253.0
82.5°	899.4	877.5	1219.1	3638.5	10429.8	14246.9	11626.9	6631.4	3080.7	880.6
85°	335.3	332.2	592.3	1256.7	3679.3	5876.2	4252.8	1695.5	767.8	429.4
87.5°	94.0	90.9	128.5	435.6	896.3	1360.1	727.1	278.9	216.2	169.2
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°
6756.8	0°	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8	6756.8
6769.3	2.5°	6778.7	6794.4	6822.6	6844.5	6872.7	6904.1	6948.0	6976.2	7004.4	7023.2
6785.0	5°	6806.9	6841.4	6913.5	6985.6	7070.2	7148.5	7239.4	7305.2	7358.5	7374.2
6841.4	7.5°	6869.6	6926.0	7048.2	7170.5	7305.2	7433.7	7565.4	7678.2	7769.1	7803.5
6941.7	10°	6979.3	7054.5	7226.9	7399.3	7577.9	7775.3	7944.6	8107.5	8236.0	8289.3
7060.8	12.5°	7117.2	7211.2	7436.9	7675.0	7922.6	8195.3	8414.6	8615.2	8775.1	8847.1
7226.9	15°	7295.8	7418.1	7706.4	8026.0	8389.6	8768.8	9047.7	9270.2	9448.9	9536.6
7399.3	17.5°	7490.1	7653.1	8016.6	8499.3	9019.5	9517.8	9843.7	10006.7	10191.6	10276.2
7559.1	20°	7678.2	7878.7	8399.0	9101.0	9793.6	10323.2	10586.5	10630.4	10642.9	10652.3
7709.5	22.5°	7872.5	8142.0	8878.5	9859.4	10602.1	10968.8	11006.4	10818.4	10555.1	10432.9
7856.8	25°	8085.6	8442.9	9505.3	10696.2	11297.9	11341.8	11053.4	10595.9	10097.6	9868.8
7975.9	27.5°	8292.4	8790.7	10257.4	11495.3	11799.3	11413.8	10793.3	10144.6	9542.9	9301.6
8060.5	30°	8499.3	9188.7	11087.9	12194.2	12028.1	11235.2	10382.8	9658.8	9054.0	8800.1
8135.7	32.5°	8709.2	9652.6	12043.8	12698.8	11987.4	10856.0	9871.9	9113.5	8580.7	8314.4
8201.5	35°	8947.4	10222.9	12949.5	12974.5	11714.7	10298.2	9198.1	8461.7	7997.8	7784.7
8279.9	37.5°	9257.7	10946.9	13748.6	13043.5	11238.3	9480.2	8361.4	7690.7	7308.4	7211.2
8395.8	40°	9643.2	11818.1	14359.7	12933.8	10533.2	8486.7	7446.3	6910.4	6694.1	6716.1
8552.5	42.5°	10144.6	12792.8	14789.1	12651.7	9552.3	7461.9	6644.0	6405.8	6509.2	6597.0
8787.6	45°	10796.5	13805.0	15055.5	12172.3	8442.9	6593.8	6170.7	6227.2	6305.5	6314.9
9166.8	47.5°	11630.1	14829.8	15231.0	11448.3	7311.5	5982.7	5869.9	5882.4	5866.8	5800.9
9734.0	50°	12670.6	15826.4	15387.7	10489.3	6349.4	5600.4	5449.9	5406.1	5189.8	4976.7
10489.3	52.5°	13855.2	16741.5	15453.5	9298.4	5600.4	5280.7	5036.3	4760.5	4356.2	4290.4
11438.9	55°	15171.4	17587.7	15284.3	7834.9	4970.4	4870.2	4500.3	4168.2	4124.3	4067.9
12689.4	57.5°	16744.7	18499.7	14939.5	6202.1	4324.8	4390.7	4030.3	4067.9	3989.5	3901.8
14297.1	60°	18465.2	19443.0	14334.7	4713.5	3657.3	3792.1	3908.0	3904.9	3883.0	3810.9
15992.5	62.5°	20013.4	20063.5	13143.8	3610.3	3071.3	3328.3	3644.8	3641.6	3622.8	3582.1
17763.2	65°	20934.8	19969.5	11156.9	2842.5	2588.6	2945.9	3287.5	3312.6	3315.7	3312.6
19095.1	67.5°	20771.8	18869.5	8430.3	2262.7	2190.6	2557.3	2933.4	2967.8	2992.9	2999.2
19264.4	70°	18929.0	16453.2	5496.9	1805.2	1836.5	2215.7	2598.0	2632.5	2654.5	2679.5
16716.5	72.5°	14754.6	12097.0	3146.5	1460.4	1526.2	1921.1	2265.8	2306.6	2319.1	2366.1
11633.2	75°	8991.3	7114.1	1698.6	1150.2	1253.6	1642.2	1936.8	1983.8	2005.7	2062.1
5713.2	77.5°	4274.7	3080.7	968.4	896.3	1009.1	1341.3	1635.9	1689.2	1629.7	1661.0
1576.4	80°	1444.7	1143.9	611.1	683.2	771.0	1046.7	1310.0	1363.3	1237.9	1231.6
523.4	82.5°	504.6	463.8	388.6	454.4	498.3	749.0	990.3	1059.3	921.4	918.2
235.0	85°	197.4	188.0	216.2	247.6	297.7	460.7	651.9	686.3	567.2	457.6
68.9	87.5°	40.7	43.9	53.3	56.4	90.9	159.8	235.0	288.3	228.8	194.3
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°
6756.8
7010.6
7380.4
7806.7
8292.4
8847.1
9530.3
10273.1
10677.4
10467.4
9903.3
9329.8
8828.3
8348.8
7831.7
7280.2
6791.3
6678.4
6377.6
5851.1
5004.9
4312.3
4077.3
3886.1
3785.8
3566.4
3312.6
3005.5
2692.1
2384.9
2068.4
1635.9
1219.1
874.4
451.3
178.6
0.0

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