

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: P850303

Luminaire Tested: **GLAN-SB7D-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850303  
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-SB7D-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 69296 lumens  
Efficiency: N/A  
Efficacy: 135.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

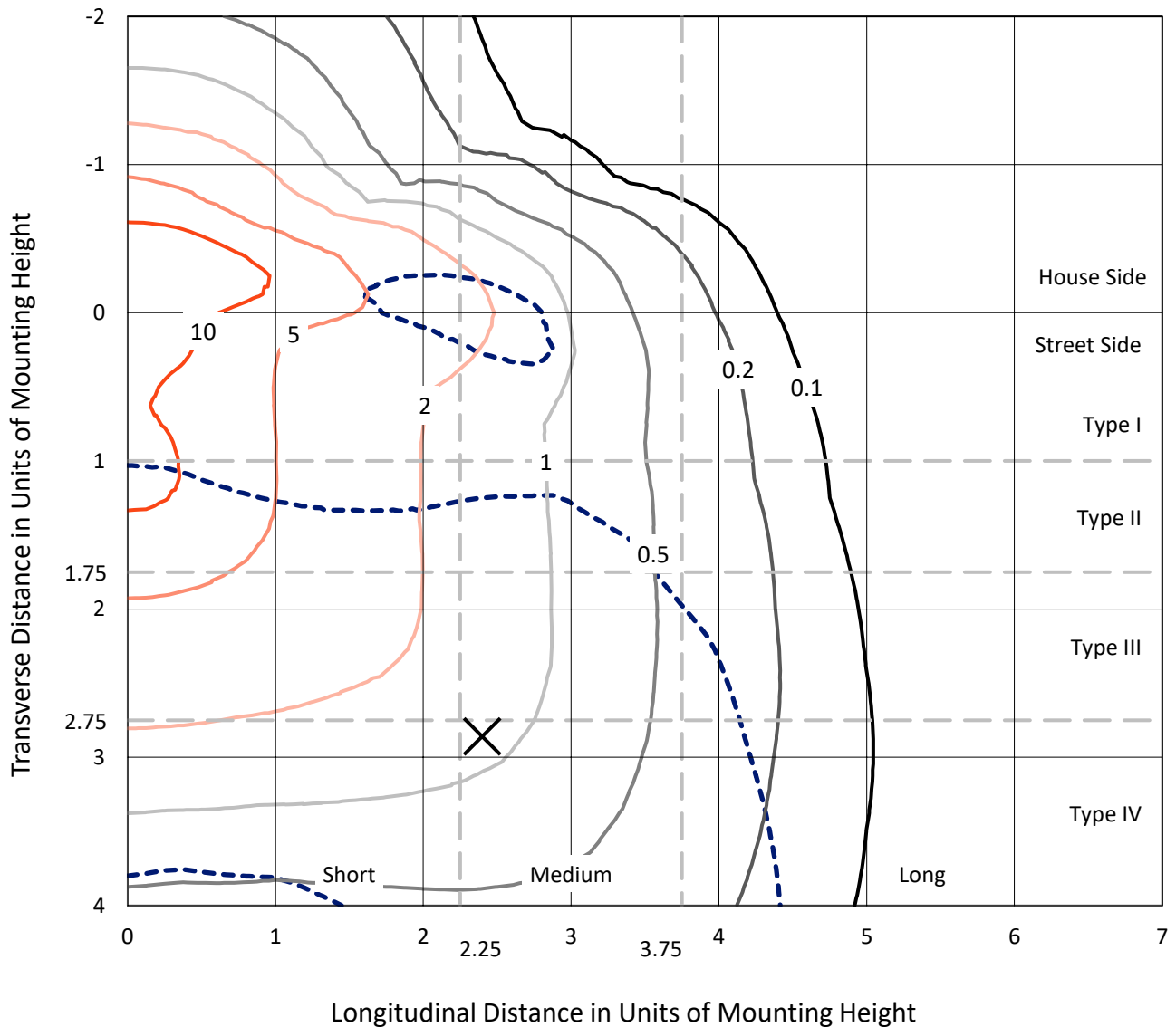
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

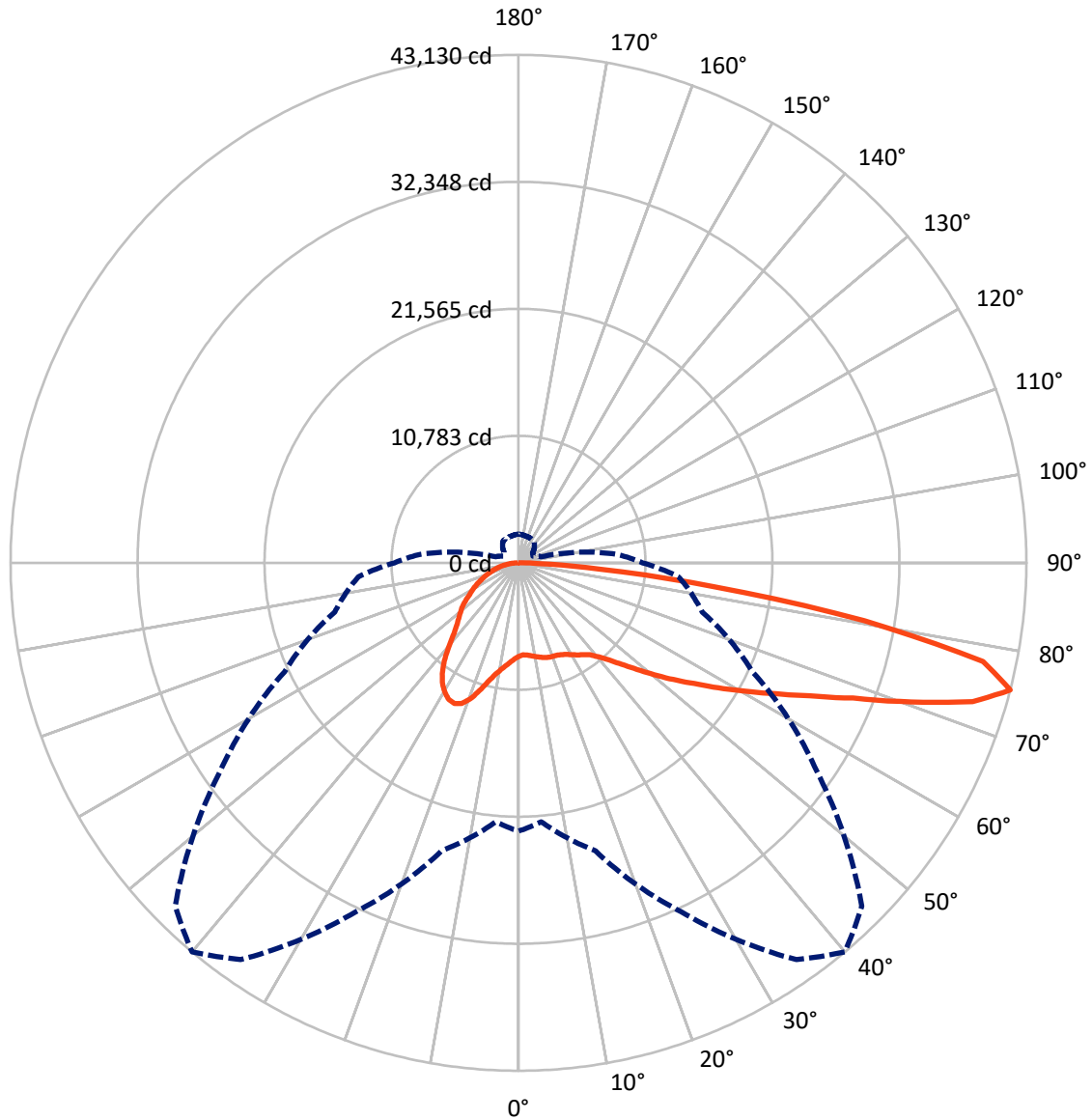
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 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	21470.2	0.0	21470.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	47825.8	0.0	47825.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	69296.0	0.0	69296.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	791.0	1.1
10°-20°	2655.7	3.8
20°-30°	4849.0	7.0
30°-40°	6877.3	9.9
40°-50°	9286.4	13.4
50°-60°	12492.7	18.0
60°-70°	15856.0	22.9
70°-80°	14390.3	20.8
80°-90°	2097.7	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°	69296.0	100.0
0°-180°	69296.0	100.0

**Coefficient of Utilization**

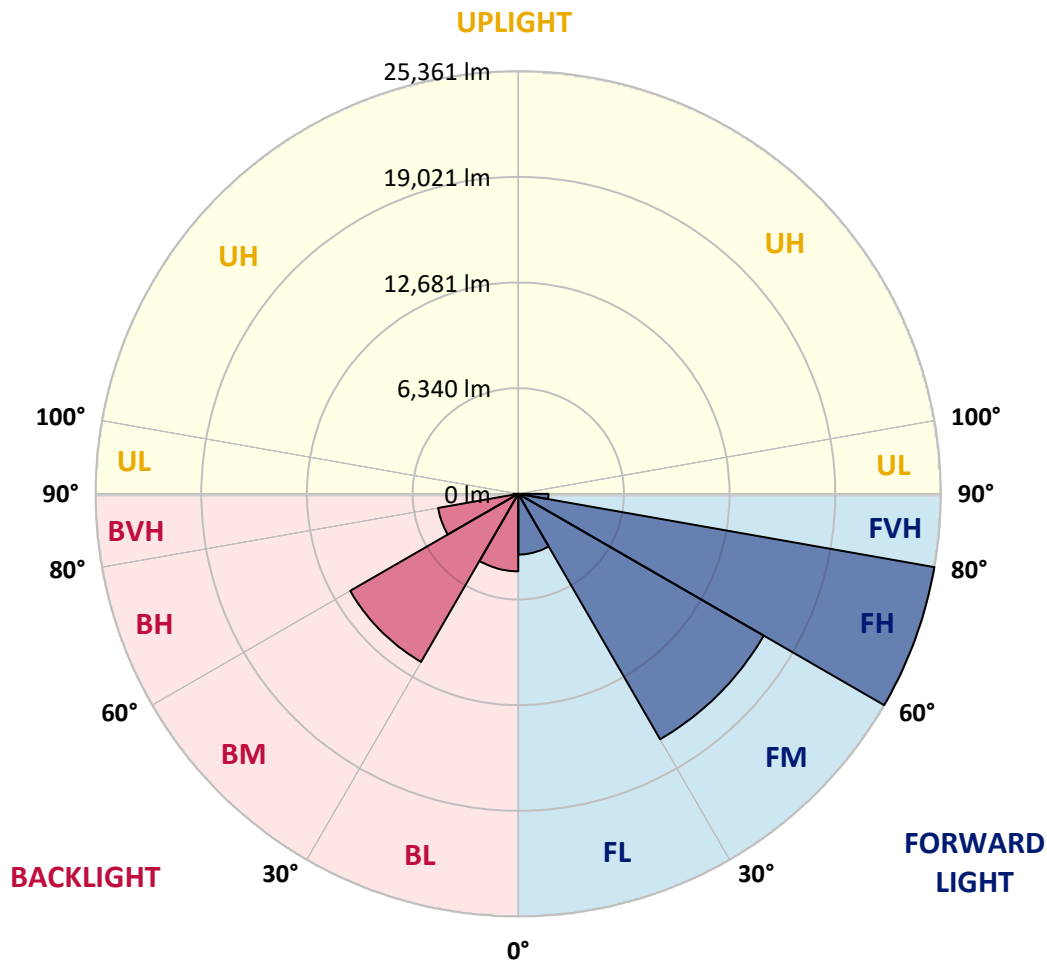


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3645.0	5.3			
FM (30°-60°)	17010.6	24.5			
FH (60°-80°)	25361.3	36.6			G5
FVH (80°-90°)	1808.9	2.6			G5
BL (0°-30°)	4650.6	6.7	B4/5000		
BM (30°-60°)	11645.7	16.8	B5		
BH (60°-80°)	4885.1	7.0	B4/5000		G4/5000
BVH (80°-90°)	288.8	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°	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1
2.5°	7802.8	7846.9	7835.9	7821.2	7821.2	7824.9	7821.2	7846.9	7872.6	7898.4
5°	7883.7	7927.8	7905.7	7887.3	7872.6	7869.0	7857.9	7854.3	7869.0	7902.0
7.5°	8041.7	8085.8	8052.7	8019.6	7990.2	7975.5	7960.8	7938.8	7927.8	7946.1
10°	8218.1	8262.2	8221.8	8163.0	8115.2	8096.8	8082.1	8060.1	8045.4	8056.4
12.5°	8394.5	8438.6	8383.5	8302.7	8240.2	8229.1	8210.8	8203.4	8199.7	8196.1
15°	8559.9	8596.7	8526.9	8431.3	8365.1	8346.8	8328.4	8339.4	8357.8	8379.8
17.5°	8688.6	8725.3	8622.4	8497.4	8435.0	8427.6	8416.6	8453.3	8504.8	8559.9
20°	8806.2	8842.9	8710.6	8541.6	8468.0	8468.0	8471.7	8548.9	8622.4	8703.3
22.5°	8971.6	9001.0	8839.3	8607.7	8501.1	8508.5	8537.9	8615.1	8706.9	8817.2
25°	9217.8	9239.9	9041.4	8732.7	8611.4	8633.4	8659.2	8695.9	8784.1	8912.8
27.5°	9614.8	9633.1	9372.2	8953.2	8769.4	8806.2	8842.9	8817.2	8857.6	8967.9
30°	10173.4	10184.4	9853.7	9298.7	9037.7	9056.1	9063.5	8956.9	8879.7	8967.9
32.5°	10835.0	10831.3	10438.0	9717.7	9342.8	9324.4	9261.9	9052.4	8872.3	8949.5
35°	11860.4	11820.0	11312.8	10305.7	9688.3	9574.3	9427.3	9159.0	8909.1	8931.1
37.5°	13558.4	13433.5	12731.5	11268.7	10202.8	9912.5	9695.6	9331.8	8989.9	8923.8
40°	15473.3	15315.3	14543.4	12588.1	10974.6	10507.9	10158.7	9578.0	9122.3	8956.9
42.5°	17744.7	17520.5	16689.8	14142.8	11952.3	11276.0	10750.4	9890.4	9317.1	9063.5
45°	20534.3	20236.6	19060.5	15896.0	13183.5	12283.1	11581.1	10364.5	9614.8	9269.3
47.5°	23353.3	23426.8	21754.5	17902.7	14661.0	13525.3	12621.2	11077.6	10048.5	9600.1
50°	26348.7	26400.2	24433.8	20126.3	16337.0	14929.3	13790.0	11875.1	10651.2	10070.5
52.5°	28686.2	28693.6	26866.9	22452.8	18082.8	16473.0	15050.6	12786.6	11349.5	10695.3
55°	30149.0	30130.7	28572.3	24654.4	20089.6	18093.8	16447.3	13823.1	12202.2	11430.4
57.5°	31211.2	31156.1	29748.4	26547.2	22228.6	20008.7	18027.7	14999.2	13209.3	12305.1
60°	31615.5	31582.4	30546.0	28182.7	24477.9	22125.7	19850.7	16315.0	14352.3	13337.9
62.5°	31769.9	31832.3	31328.8	29766.8	26885.3	24470.6	21853.7	17888.0	15638.7	14506.7
65°	32313.8	32427.8	32324.8	31839.7	29605.1	27216.1	24511.0	19758.8	17042.7	15760.0
67.5°	33390.7	33504.6	33548.7	34320.6	32927.6	30637.9	27826.2	22089.0	18685.6	17061.1
70°	33365.0	33331.9	34111.1	36294.2	37088.1	35375.4	32295.4	24955.7	20644.5	18141.6
72.5°	30369.6	30104.9	31946.3	36272.2	40550.3	40322.4	37753.4	28653.2	22335.2	18273.9
75°	22783.6	22077.9	25330.6	32688.7	41127.3	43130.4	41222.9	30946.6	21934.6	16145.9
77.5°	9743.4	9034.1	12867.5	24198.6	36808.8	40318.8	38040.0	26999.2	17509.4	10676.9
80°	2550.7	2547.0	3888.5	10971.0	25032.9	29774.1	26120.8	17435.9	10004.3	3815.0
82.5°	1054.8	1029.1	1429.7	4267.1	12231.6	16708.2	13635.6	7777.1	3612.9	1032.8
85°	393.3	389.6	694.6	1473.8	4314.9	6891.3	4987.5	1988.4	900.5	503.5
87.5°	110.3	106.6	150.7	510.9	1051.2	1595.1	852.7	327.1	253.6	198.5
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°
7924.1	0°	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1	7924.1
7938.8	2.5°	7949.8	7968.2	8001.3	8027.0	8060.1	8096.8	8148.3	8181.4	8214.4	8236.5
7957.2	5°	7982.9	8023.3	8107.9	8192.4	8291.6	8383.5	8490.1	8567.3	8629.8	8648.1
8023.3	7.5°	8056.4	8122.6	8265.9	8409.2	8567.3	8718.0	8872.3	9004.6	9111.2	9151.7
8140.9	10°	8185.0	8273.2	8475.4	8677.5	8887.0	9118.6	9317.1	9508.2	9658.9	9721.3
8280.6	12.5°	8346.8	8457.0	8721.6	9001.0	9291.3	9611.1	9868.4	10103.6	10291.0	10375.6
8475.4	15°	8556.3	8699.6	9037.7	9412.6	9839.0	10283.7	10610.8	10871.7	11081.2	11184.1
8677.5	17.5°	8784.1	8975.2	9401.6	9967.6	10577.7	11162.1	11544.3	11735.4	11952.3	12051.5
8865.0	20°	9004.6	9239.9	9850.0	10673.3	11485.5	12106.7	12415.4	12466.8	12481.5	12492.6
9041.4	22.5°	9232.5	9548.6	10412.3	11562.7	12433.8	12863.8	12907.9	12687.4	12378.6	12235.3
9214.1	25°	9482.4	9901.4	11147.4	12544.0	13249.7	13301.2	12963.0	12426.4	11842.0	11573.7
9353.8	27.5°	9725.0	10309.4	12029.5	13481.2	13837.8	13385.7	12658.0	11897.2	11191.5	10908.5
9453.0	30°	9967.6	10776.2	13003.4	14300.9	14106.1	13176.2	12176.5	11327.5	10618.1	10320.4
9541.3	32.5°	10213.8	11320.1	14124.4	14892.6	14058.3	12731.5	11577.4	10688.0	10063.2	9750.7
9618.4	35°	10493.2	11989.0	15186.6	15216.0	13738.5	12077.3	10787.2	9923.5	9379.5	9129.6
9710.3	37.5°	10857.0	12838.1	16123.8	15296.9	13179.9	11118.0	9805.9	9019.3	8571.0	8457.0
9846.3	40°	11309.1	13859.8	16840.5	15168.2	12352.9	9952.9	8732.7	8104.2	7850.6	7876.3
10030.1	42.5°	11897.2	15002.8	17344.1	14837.5	11202.5	8751.0	7791.8	7512.4	7633.7	7736.6
10305.7	45°	12661.6	16190.0	17656.5	14275.1	9901.4	7733.0	7236.8	7303.0	7394.8	7405.9
10750.4	47.5°	13639.3	17391.8	17862.3	13426.1	8574.6	7016.3	6884.0	6898.7	6880.3	6803.1
11415.7	50°	14859.5	18560.6	18046.0	12301.5	7446.3	6567.9	6391.5	6340.0	6086.4	5836.5
12301.5	52.5°	16248.8	19633.8	18123.2	10904.8	6567.9	6193.0	5906.3	5582.9	5108.8	5031.6
13415.1	55°	17792.4	20626.2	17924.8	9188.4	5829.1	5711.5	5277.8	4888.2	4836.8	4770.6
14881.6	57.5°	19637.5	21695.7	17520.5	7273.6	5072.0	5149.2	4726.5	4770.6	4678.7	4575.8
16767.0	60°	21655.3	22802.0	16811.1	5527.8	4289.2	4447.2	4583.2	4579.5	4553.8	4469.2
18755.4	62.5°	23470.9	23529.7	15414.5	4234.0	3601.9	3903.2	4274.5	4270.8	4248.7	4200.9
20832.0	65°	24551.4	23419.4	13084.3	3333.6	3035.9	3454.8	3855.5	3884.9	3888.5	3884.9
22394.0	67.5°	24360.3	22129.4	9886.7	2653.6	2569.1	2999.1	3440.1	3480.6	3510.0	3517.3
22592.5	70°	22199.2	19295.7	6446.6	2117.0	2153.8	2598.5	3046.9	3087.3	3113.0	3142.4
19604.4	72.5°	17303.6	14186.9	3690.1	1712.7	1789.9	2253.0	2657.3	2705.1	2719.8	2774.9
13643.0	75°	10544.6	8343.1	1992.0	1348.9	1470.1	1925.9	2271.4	2326.5	2352.2	2418.4
6700.2	77.5°	5013.2	3612.9	1135.7	1051.2	1183.5	1573.1	1918.5	1981.0	1911.2	1947.9
1848.7	80°	1694.3	1341.5	716.7	801.2	904.1	1227.6	1536.3	1598.8	1451.8	1444.4
613.8	82.5°	591.7	544.0	455.7	532.9	584.4	878.4	1161.4	1242.3	1080.6	1076.9
275.7	85°	231.5	220.5	253.6	290.4	349.2	540.3	764.5	804.9	665.2	536.6
80.9	87.5°	47.8	51.5	62.5	66.2	106.6	187.4	275.7	338.1	268.3	227.9
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°
7924.1
8221.8
8655.5
9155.3
9725.0
10375.6
11176.8
12047.9
12522.0
12275.7
11614.2
10941.6
10353.5
9791.2
9184.7
8537.9
7964.5
7832.2
7479.4
6861.9
5869.6
5057.3
4781.7
4557.5
4439.8
4182.6
3884.9
3524.7
3157.1
2797.0
2425.7
1918.5
1429.7
1025.4
529.3
209.5
0.0

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