

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: P849633

Luminaire Tested: **GLAN-SB6D-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849633  
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-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 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: 60026 lumens  
Efficiency: N/A  
Efficacy: 136.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

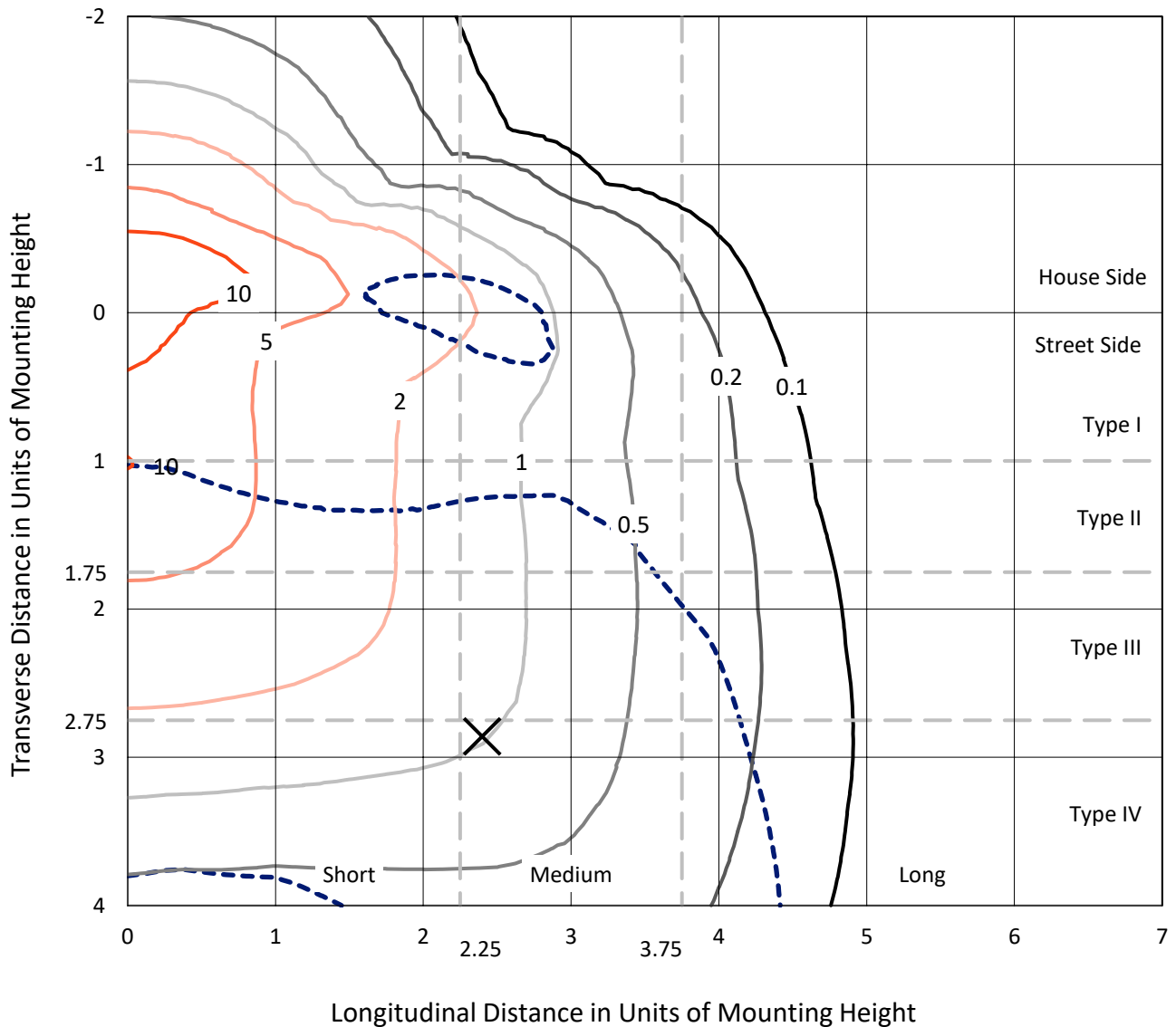
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

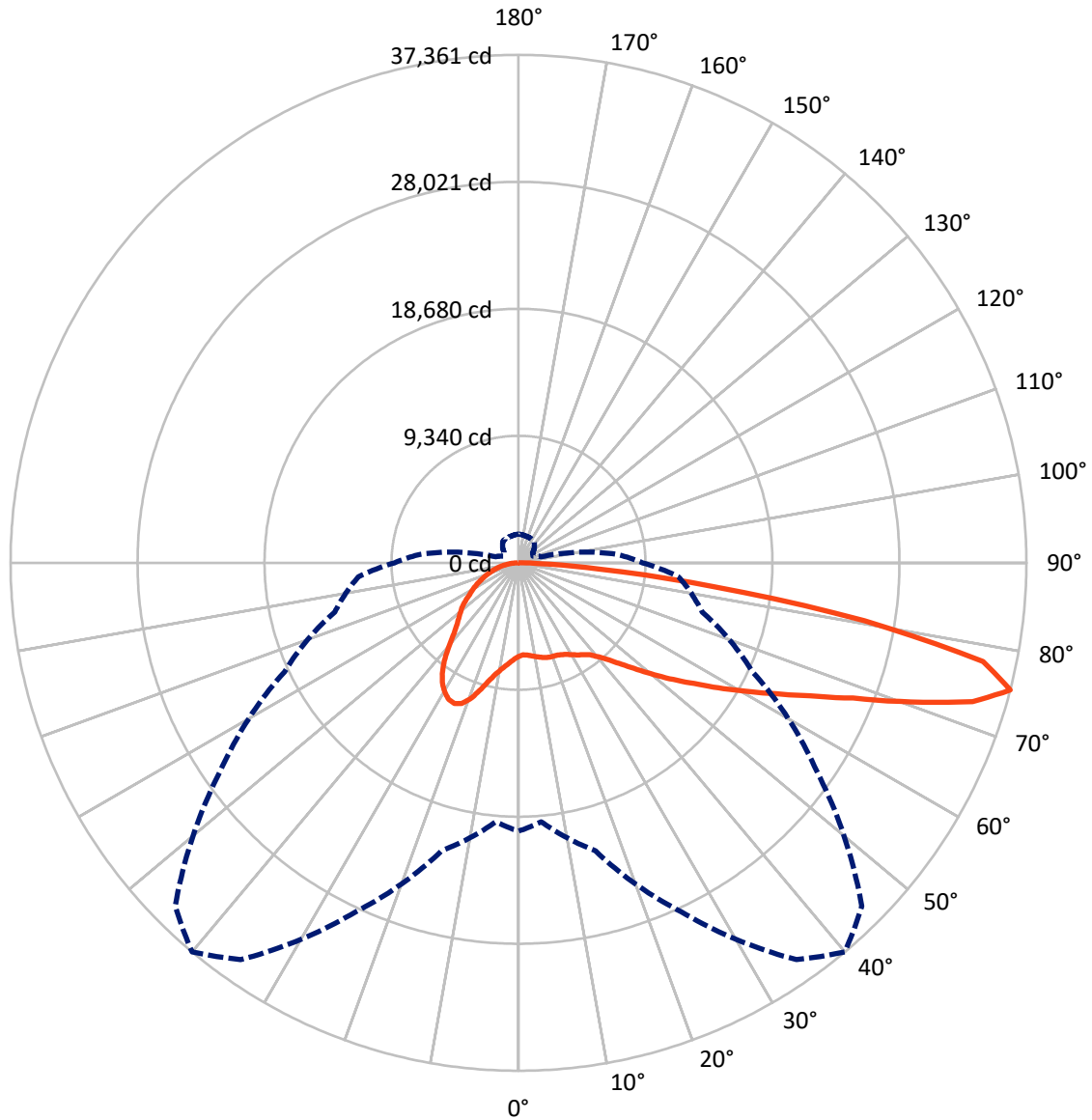
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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	18598.1	0.0	18598.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	41427.9	0.0	41427.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	60026.0	0.0	60026.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	685.2	1.1
10°-20°	2300.4	3.8
20°-30°	4200.4	7.0
30°-40°	5957.3	9.9
40°-50°	8044.1	13.4
50°-60°	10821.5	18.0
60°-70°	13734.9	22.9
70°-80°	12465.3	20.8
80°-90°	1817.0	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°	60026.0	100.0
0°-180°	60026.0	100.0

**Coefficient of Utilization**

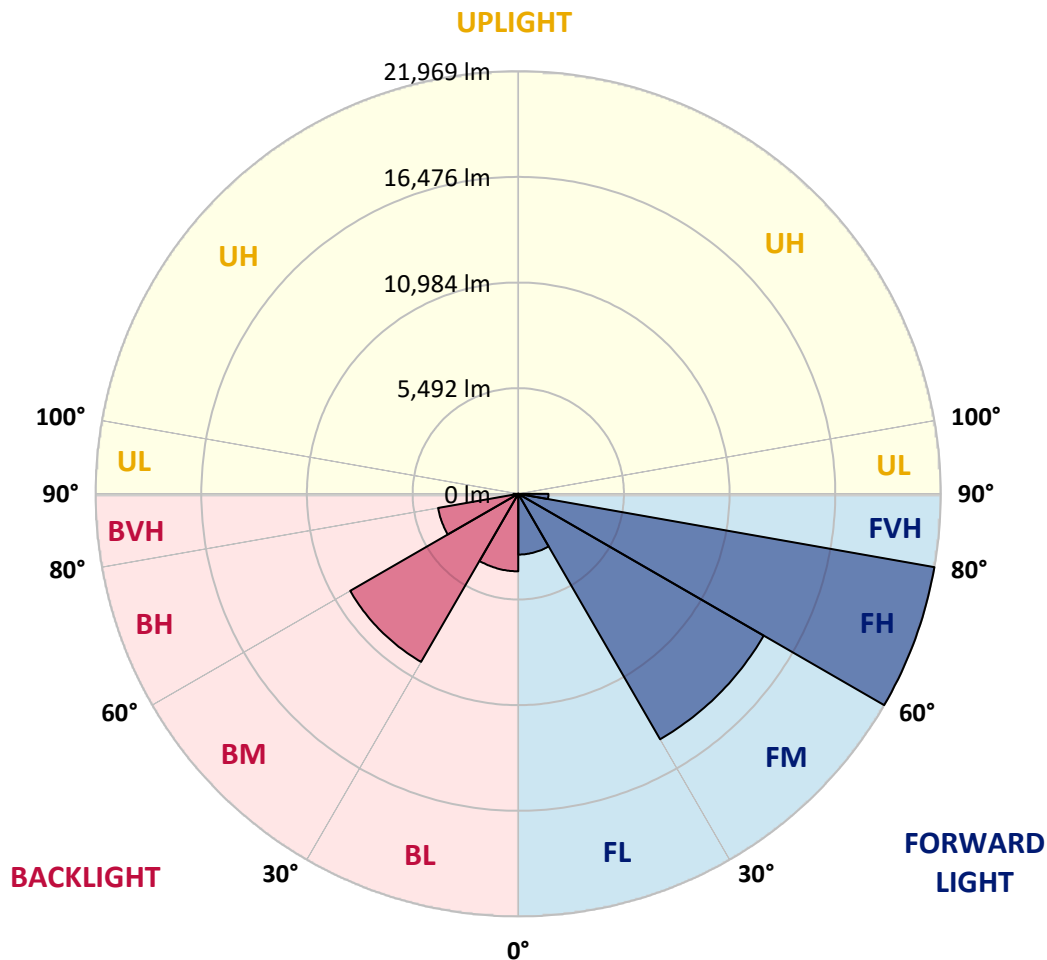


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3157.4	5.3			
FM (30°-60°)	14735.0	24.5			
FH (60°-80°)	21968.6	36.6			G5
FVH (80°-90°)	1566.9	2.6			G5
BL (0°-30°)	4028.5	6.7	B4/5000		
BM (30°-60°)	10087.8	16.8	B5		
BH (60°-80°)	4231.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	250.2	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°	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1
2.5°	6759.0	6797.2	6787.6	6774.9	6774.9	6778.1	6774.9	6797.2	6819.5	6841.8
5°	6829.0	6867.2	6848.1	6832.2	6819.5	6816.3	6806.7	6803.6	6816.3	6845.0
7.5°	6965.9	7004.1	6975.5	6946.8	6921.4	6908.6	6895.9	6876.8	6867.2	6883.2
10°	7118.7	7157.0	7121.9	7071.0	7029.6	7013.7	7001.0	6981.8	6969.1	6978.7
12.5°	7271.6	7309.8	7262.0	7192.0	7137.9	7128.3	7112.4	7106.0	7102.8	7099.6
15°	7414.8	7446.7	7386.2	7303.4	7246.1	7230.2	7214.3	7223.8	7239.7	7258.8
17.5°	7526.3	7558.1	7469.0	7360.7	7306.6	7300.2	7290.7	7322.5	7367.1	7414.8
20°	7628.1	7660.0	7545.4	7398.9	7335.2	7335.2	7338.4	7405.3	7469.0	7539.0
22.5°	7771.4	7796.9	7656.8	7456.2	7363.9	7370.3	7395.7	7462.6	7542.2	7637.7
25°	7984.7	8003.8	7831.9	7564.5	7459.4	7478.5	7500.8	7532.6	7609.0	7720.5
27.5°	8328.6	8344.5	8118.4	7755.5	7596.3	7628.1	7660.0	7637.7	7672.7	7768.2
30°	8812.5	8822.0	8535.5	8054.8	7828.7	7844.6	7851.0	7758.7	7691.8	7768.2
32.5°	9385.5	9382.4	9041.7	8417.7	8093.0	8077.0	8022.9	7841.4	7685.4	7752.3
35°	10273.8	10238.8	9799.4	8927.1	8392.2	8293.5	8166.2	7933.8	7717.3	7736.4
37.5°	11744.7	11636.4	11028.3	9761.2	8837.9	8586.4	8398.6	8083.4	7787.3	7730.0
40°	13403.4	13266.5	12597.9	10904.2	9506.5	9102.2	8799.7	8296.7	7901.9	7758.7
42.5°	15370.9	15176.7	14457.2	12250.9	10353.4	9767.6	9312.3	8567.3	8070.7	7851.0
45°	17787.3	17529.4	16510.7	13769.5	11419.9	10639.9	10031.8	8978.0	8328.6	8029.3
47.5°	20229.2	20292.9	18844.3	15507.8	12699.8	11716.0	10932.8	9595.7	8704.2	8315.8
50°	22823.9	22868.5	21165.2	17433.9	14151.5	12932.2	11945.2	10286.5	9226.4	8723.3
52.5°	24848.8	24855.1	23272.8	19449.2	15663.8	14269.3	13037.2	11076.1	9831.3	9264.6
55°	26115.9	26100.0	24750.1	21356.2	17402.1	15673.3	14247.0	11973.9	10569.9	9901.3
57.5°	27036.0	26988.2	25768.9	22995.9	19255.0	17332.1	15616.0	12992.7	11442.2	10659.0
60°	27386.2	27357.5	26459.7	24412.6	21203.4	19165.9	17195.2	14132.4	12432.3	11553.6
62.5°	27519.9	27574.0	27137.8	25784.8	23288.8	21197.1	18930.3	15495.1	13546.6	12566.1
65°	27991.1	28089.8	28000.6	27580.4	25644.7	23575.3	21232.1	17115.6	14762.8	13651.7
67.5°	28923.9	29022.6	29060.8	29729.4	28522.8	26539.3	24103.8	19134.0	16185.9	14778.7
70°	28901.6	28873.0	29547.9	31439.0	32126.7	30643.1	27975.2	21617.3	17882.8	15714.7
72.5°	26306.9	26077.7	27672.7	31419.9	35125.7	34928.4	32702.9	24820.1	19347.3	15829.3
75°	19735.7	19124.5	21942.0	28315.8	35625.6	37360.7	35708.4	26806.7	19000.3	13986.0
77.5°	8440.0	7825.5	11146.1	20961.5	31884.7	34925.2	32951.3	23387.4	15167.1	9248.6
80°	2209.5	2206.3	3368.4	9503.3	21684.2	25791.1	22626.5	15103.5	8666.0	3304.7
82.5°	913.7	891.4	1238.5	3696.3	10595.3	14473.1	11811.5	6736.7	3129.6	894.6
85°	340.7	337.5	601.7	1276.7	3737.7	5969.4	4320.3	1722.4	780.0	436.2
87.5°	95.5	92.3	130.5	442.5	910.5	1381.7	738.6	283.3	219.7	171.9
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°
6864.1	0°	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1	6864.1
6876.8	2.5°	6886.3	6902.3	6930.9	6953.2	6981.8	7013.7	7058.3	7086.9	7115.6	7134.7
6892.7	5°	6915.0	6950.0	7023.2	7096.5	7182.4	7262.0	7354.3	7421.2	7475.3	7491.2
6950.0	7.5°	6978.7	7036.0	7160.1	7284.3	7421.2	7551.7	7685.4	7800.1	7892.4	7927.4
7051.9	10°	7090.1	7166.5	7341.6	7516.7	7698.2	7898.8	8070.7	8236.2	8366.8	8420.9
7172.9	12.5°	7230.2	7325.7	7554.9	7796.9	8048.4	8325.4	8548.2	8752.0	8914.4	8987.6
7341.6	15°	7411.6	7535.8	7828.7	8153.5	8522.8	8908.0	9191.3	9417.4	9598.8	9688.0
7516.7	17.5°	7609.0	7774.6	8143.9	8634.2	9162.7	9668.9	10000.0	10165.5	10353.4	10439.3
7679.1	20°	7800.1	8003.8	8532.3	9245.5	9949.1	10487.1	10754.5	10799.1	10811.8	10821.4
7831.9	22.5°	7997.4	8271.2	9019.4	10015.9	10770.5	11142.9	11181.1	10990.1	10722.7	10598.5
7981.5	25°	8213.9	8576.9	9656.2	10866.0	11477.2	11521.8	11228.9	10764.1	10257.9	10025.5
8102.5	27.5°	8424.1	8930.3	10420.2	11677.8	11986.6	11595.0	10964.7	10305.6	9694.4	9449.2
8188.5	30°	8634.2	9334.6	11263.9	12387.8	12219.0	11413.6	10547.6	9812.2	9197.7	8939.8
8264.9	32.5°	8847.5	9805.8	12235.0	12900.3	12177.6	11028.3	10028.6	9258.2	8717.0	8446.4
8331.7	35°	9089.5	10385.2	13155.0	13180.5	11900.7	10461.6	9344.2	8596.0	8124.8	7908.3
8411.3	37.5°	9404.6	11120.7	13966.9	13250.6	11416.7	9630.7	8494.1	7812.8	7424.4	7325.7
8529.1	40°	9796.2	12005.7	14587.7	13139.1	10700.4	8621.5	7564.5	7020.1	6800.4	6822.7
8688.3	42.5°	10305.6	12995.9	15023.9	12852.6	9703.9	7580.4	6749.4	6507.5	6612.5	6701.7
8927.1	45°	10967.8	14024.2	15294.5	12365.5	8576.9	6698.5	6268.7	6326.0	6405.6	6415.2
9312.3	47.5°	11814.7	15065.3	15472.8	11630.0	7427.6	6077.7	5963.1	5975.8	5959.9	5893.0
9888.6	50°	12871.7	16077.7	15632.0	10655.8	6450.2	5689.3	5536.5	5491.9	5272.2	5055.7
10655.8	52.5°	14075.1	17007.3	15698.8	9446.0	5689.3	5364.5	5116.2	4836.0	4425.3	4358.5
11620.5	55°	15412.3	17866.9	15526.9	7959.2	5049.3	4947.5	4571.8	4234.3	4189.7	4132.4
12890.8	57.5°	17010.5	18793.4	15176.7	6300.5	4393.5	4460.4	4094.2	4132.4	4052.8	3963.7
14524.0	60°	18758.3	19751.7	14562.2	4788.3	3715.4	3852.3	3970.1	3966.9	3944.6	3871.4
16246.4	62.5°	20331.1	20382.0	13352.4	3667.6	3120.0	3381.1	3702.6	3699.5	3680.4	3639.0
18045.2	65°	21267.1	20286.5	11334.0	2887.6	2629.7	2992.7	3339.7	3365.2	3368.4	3365.2
19398.3	67.5°	21101.6	19169.0	8564.1	2298.6	2225.4	2597.9	2979.9	3015.0	3040.4	3046.8
19570.2	70°	19229.5	16714.4	5584.2	1833.8	1865.6	2250.9	2639.3	2674.3	2696.6	2722.1
16981.8	72.5°	14988.9	12289.1	3196.4	1483.6	1550.5	1951.6	2301.8	2343.2	2355.9	2403.7
11817.9	75°	9134.0	7227.0	1725.6	1168.4	1273.5	1668.3	1967.5	2015.3	2037.6	2094.9
5803.9	77.5°	4342.6	3129.6	983.8	910.5	1025.2	1362.6	1661.9	1716.0	1655.5	1687.4
1601.4	80°	1467.7	1162.0	620.8	694.0	783.2	1063.4	1330.8	1384.9	1257.6	1251.2
531.7	82.5°	512.6	471.2	394.8	461.6	506.2	760.9	1006.0	1076.1	936.0	932.8
238.8	85°	200.6	191.0	219.7	251.5	302.5	468.0	662.2	697.2	576.2	464.8
70.0	87.5°	41.4	44.6	54.1	57.3	92.3	162.4	238.8	292.9	232.4	197.4
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°
6864.1
7121.9
7497.6
7930.6
8424.1
8987.6
9681.6
10436.2
10846.9
10633.6
10060.5
9477.9
8968.5
8481.4
7956.1
7395.7
6899.1
6784.5
6478.8
5944.0
5084.4
4380.8
4142.0
3947.8
3845.9
3623.0
3365.2
3053.2
2734.8
2422.8
2101.2
1661.9
1238.5
888.3
458.5
181.5
0.0

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