

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: McGRAW-EDISON

Report Number: P948469

Luminaire Tested: **GALN-SB3C-735-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948469  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3C-735-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

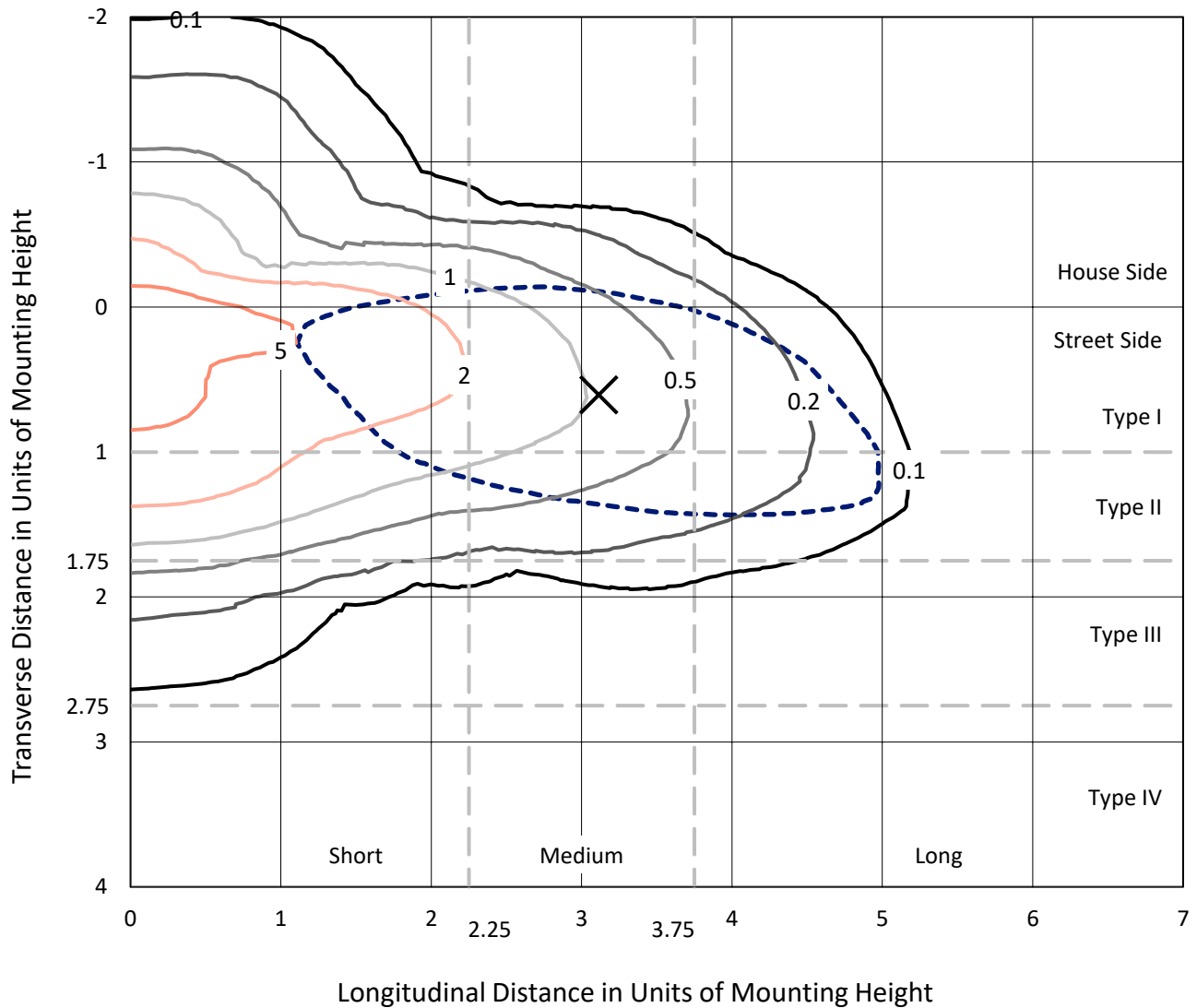
Lumens per Lamp: N/A  
Luminaire Lumens: 22334 lumens  
Efficiency: N/A  
Efficacy: 149.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

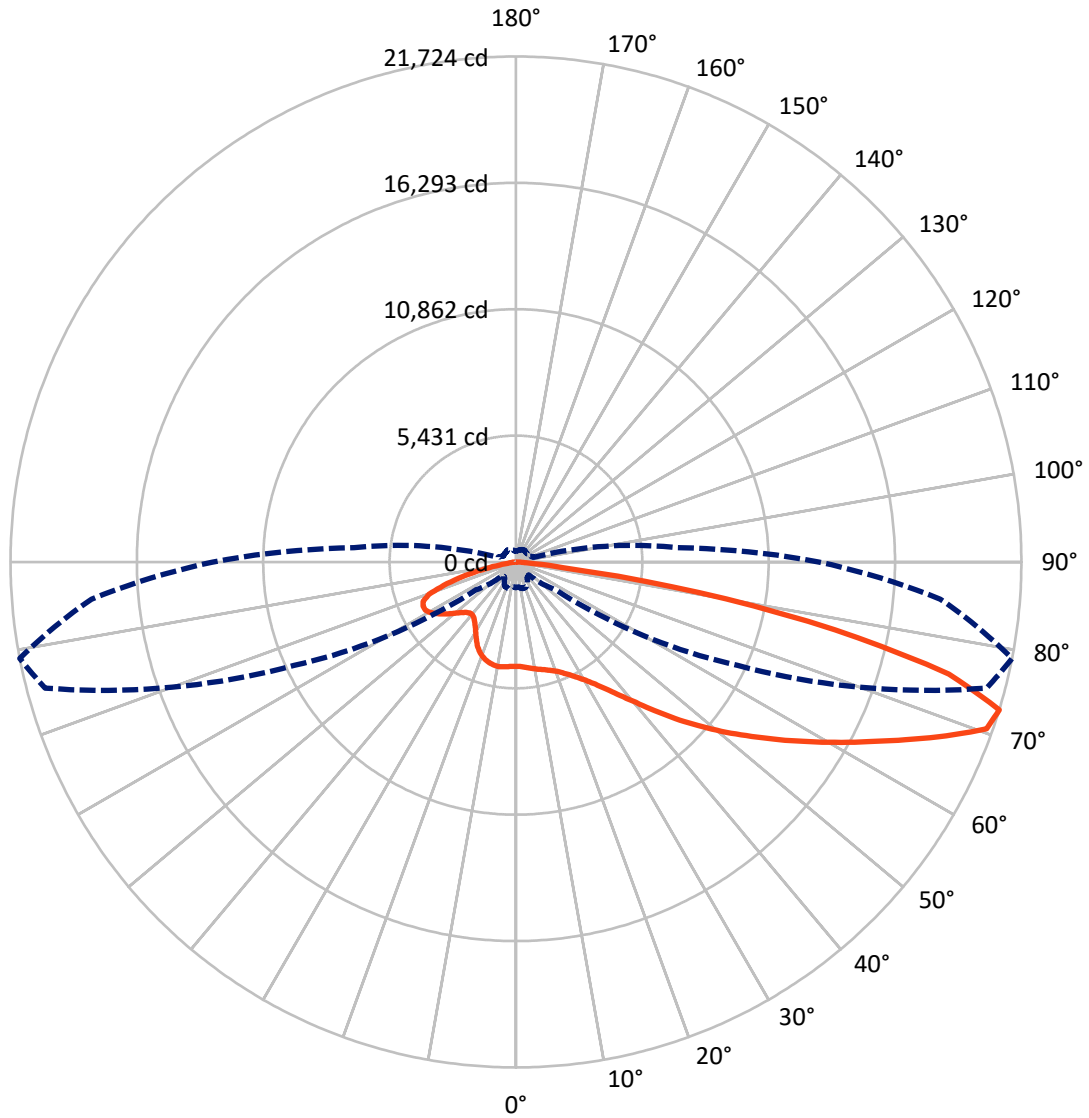
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4914.7	0.0	4914.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	17419.3	0.0	17419.3
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	22334.0	0.0	22334.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	407.0	1.8
10°-20°	1064.0	4.8
20°-30°	1716.8	7.7
30°-40°	2576.7	11.5
40°-50°	3655.3	16.4
50°-60°	4616.1	20.7
60°-70°	4688.3	21.0
70°-80°	3195.3	14.3
80°-90°	414.6	1.9
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°	22334.0	100.0
0°-180°	22334.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P948469

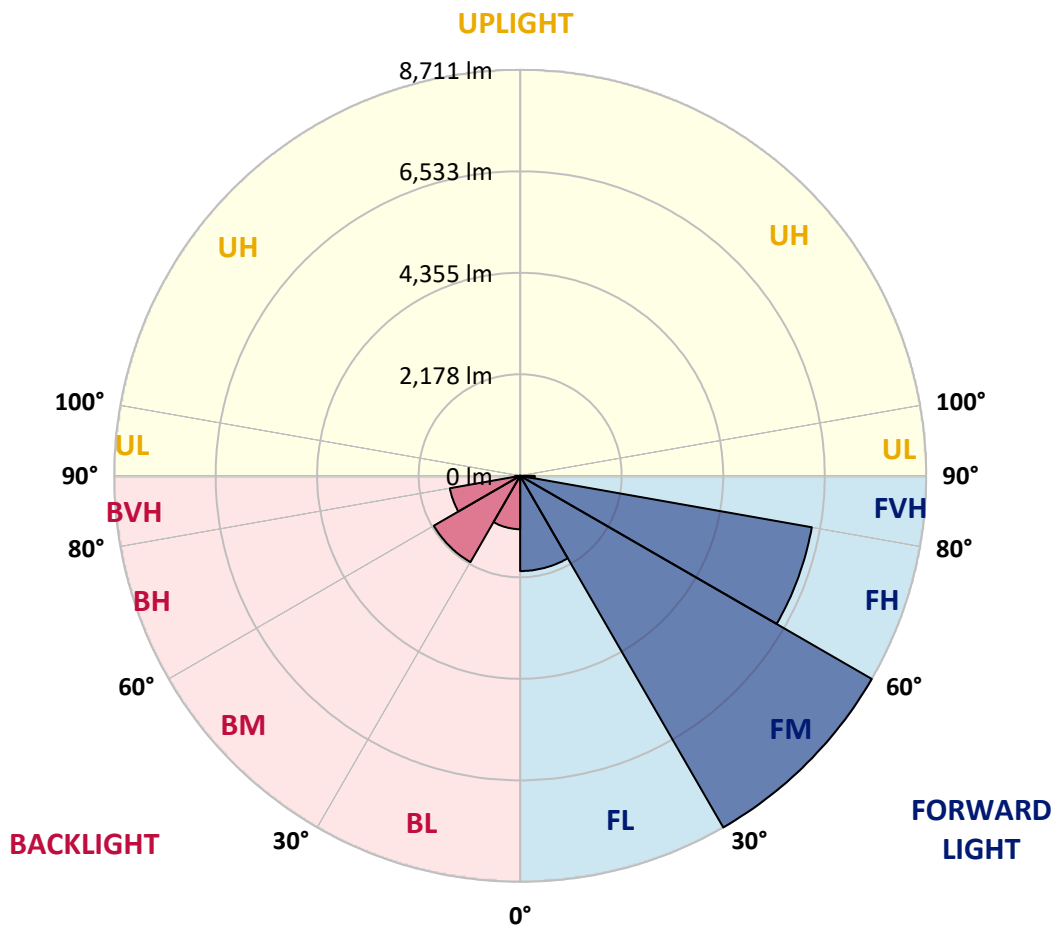
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.0	9.1			
FM (30°-60°)	8710.7	39.0			
FH (60°-80°)	6353.3	28.4			G3/7500
FVH (80°-90°)	312.3	1.4			G3/500
BL (0°-30°)	1144.8	5.1	B3/2500		
BM (30°-60°)	2137.4	9.6	B2/2500		
BH (60°-80°)	1530.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	102.3	0.5			G2/225
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°	79°
0°	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3
2.5°	4485.7	4464.4	4477.4	4472.7	4478.6	4485.7	4488.1	4491.6	4503.4	4502.2
5°	4476.2	4455.0	4472.7	4466.8	4482.2	4498.7	4512.9	4525.9	4544.8	4553.0
7.5°	4456.2	4442.0	4459.7	4477.4	4505.8	4530.6	4550.7	4580.2	4607.4	4612.1
10°	4339.2	4328.6	4369.9	4416.0	4494.0	4561.3	4605.0	4639.3	4668.8	4673.5
12.5°	4217.5	4204.5	4250.6	4313.2	4439.6	4561.3	4653.5	4698.3	4724.3	4739.7
15°	4197.4	4186.8	4212.8	4267.1	4372.3	4529.4	4686.5	4769.2	4791.7	4809.4
17.5°	4294.3	4274.2	4284.9	4303.8	4365.2	4499.9	4712.5	4849.6	4883.8	4902.7
20°	4518.8	4490.4	4473.9	4436.1	4425.5	4504.6	4710.2	4946.4	4991.3	5015.0
22.5°	4817.7	4798.8	4763.3	4667.6	4563.7	4562.5	4755.1	5070.5	5154.4	5176.8
25°	5179.2	5150.8	5105.9	4976.0	4776.3	4677.1	4830.7	5228.8	5369.4	5375.3
27.5°	5595.0	5552.5	5491.1	5319.8	5050.4	4856.7	4946.4	5410.7	5616.3	5613.9
30°	6033.3	5990.8	5925.8	5717.9	5378.8	5098.8	5107.1	5606.8	5909.3	5896.3
32.5°	6353.5	6321.6	6308.6	6147.9	5756.9	5384.7	5291.4	5824.2	6270.8	6259.0
35°	6599.2	6557.8	6573.2	6491.7	6169.2	5704.9	5517.0	6082.9	6710.2	6709.1
37.5°	6842.6	6805.9	6818.9	6764.6	6550.8	6111.3	5792.3	6399.5	7254.9	7280.8
40°	7064.7	7025.7	7077.6	7026.8	6847.3	6543.7	6105.4	6757.5	7885.7	7935.3
42.5°	7198.2	7167.4	7253.7	7254.9	7104.8	6908.7	6449.2	7152.1	8615.8	8726.9
45°	7244.2	7233.6	7363.5	7390.7	7332.8	7120.2	6758.7	7582.1	9402.6	9601.1
47.5°	7194.6	7174.5	7354.1	7454.5	7500.6	7219.4	7015.0	8047.6	10205.9	10496.6
50°	6944.2	6905.2	7172.2	7383.6	7547.8	7284.4	7273.8	8585.1	11119.2	11436.9
52.5°	6494.0	6464.5	6768.1	7135.5	7443.9	7316.3	7564.4	9172.2	11986.3	12397.4
55°	5918.7	5879.7	6214.1	6693.7	7185.2	7305.7	7855.0	9829.1	13009.4	13426.4
57.5°	5006.7	4928.7	5351.7	5918.7	6763.4	7292.7	8157.4	10482.4	14049.0	14548.7
60°	3676.5	3560.7	4079.3	4751.5	5938.8	7166.3	8531.9	11214.8	15296.5	15746.6
62.5°	2140.7	2073.3	2412.4	3039.7	4476.2	6422.0	8742.2	12066.6	16522.8	16995.3
65°	1662.2	1643.3	1672.8	1721.3	2491.5	4808.2	8093.6	12897.1	18082.2	18413.0
67.5°	1520.4	1506.3	1519.3	1428.3	1264.1	2678.2	6403.1	13107.4	19752.7	19953.5
70°	1351.5	1335.0	1377.5	1299.5	994.7	1218.0	4137.2	12344.2	21081.7	21458.6
72.5°	1101.0	1082.1	1181.4	1145.9	837.6	782.1	2078.0	10530.8	20942.3	21724.4
75°	845.9	835.2	953.4	982.9	682.8	615.5	997.1	7827.8	18429.5	19217.5
77.5°	656.8	648.6	708.8	816.3	550.5	477.3	613.1	4965.3	13888.3	14026.5
80°	492.6	469.0	524.5	632.0	428.8	348.5	415.8	2895.6	8778.8	7957.8
82.5°	308.3	296.5	342.6	421.8	302.4	239.8	270.5	1599.6	3518.2	2072.1
85°	176.0	171.3	186.7	241.0	164.2	138.2	154.8	706.5	642.7	441.8
87.5°	70.9	68.5	85.1	107.5	60.3	50.8	54.3	170.1	141.8	131.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P948469  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4483.3	0°	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3	4483.3
4501.1	2.5°	4496.3	4496.3	4479.8	4453.8	4424.3	4405.4	4374.7	4366.4	4334.5	4325.0
4541.2	5°	4550.7	4541.2	4490.4	4417.2	4316.8	4224.6	4123.0	4059.2	3969.4	3937.5
4620.4	7.5°	4619.2	4593.2	4505.8	4345.1	4134.8	3928.1	3713.1	3550.0	3394.1	3338.6
4685.4	10°	4681.8	4645.2	4496.3	4215.2	3851.3	3493.3	3150.7	2910.9	2729.0	2654.6
4757.4	12.5°	4744.4	4677.1	4433.7	3999.0	3448.4	2962.9	2597.9	2411.2	2299.0	2209.2
4816.5	15°	4803.5	4709.0	4336.8	3709.5	3006.6	2514.0	2244.6	2095.8	2006.0	1946.9
4902.7	17.5°	4872.0	4736.2	4191.5	3342.1	2586.0	2203.3	1983.5	1893.8	1876.0	1868.9
5020.9	20°	4967.7	4761.0	4000.2	2931.0	2276.5	1955.2	1841.8	1833.5	1832.3	1828.8
5162.6	22.5°	5070.5	4790.5	3747.3	2557.7	2013.1	1800.4	1780.3	1763.8	1753.2	1752.0
5333.9	25°	5192.2	4799.9	3430.7	2251.7	1788.6	1727.2	1703.6	1678.7	1671.7	1671.7
5528.9	27.5°	5310.3	4768.1	3062.1	1985.9	1662.2	1659.8	1629.1	1620.9	1619.7	1623.2
5751.0	30°	5428.4	4707.8	2695.9	1740.2	1589.0	1589.0	1578.3	1584.2	1589.0	1600.8
6055.8	32.5°	5587.9	4644.0	2389.9	1558.2	1525.2	1513.3	1524.0	1535.8	1540.5	1555.9
6456.2	35°	5821.8	4599.1	2146.6	1459.0	1459.0	1443.6	1449.6	1447.2	1436.6	1429.5
6940.6	37.5°	6131.4	4596.8	1945.7	1412.9	1403.5	1401.1	1402.3	1386.9	1345.6	1296.0
7526.6	40°	6503.5	4660.5	1791.0	1381.0	1373.9	1388.1	1381.0	1339.7	1226.3	1140.0
8247.2	42.5°	7003.2	4842.5	1691.7	1342.0	1363.3	1381.0	1352.7	1209.7	1132.9	1075.1
9068.3	45°	7591.5	5137.8	1640.9	1300.7	1343.2	1364.5	1227.5	1164.8	1103.4	1033.7
9963.8	47.5°	8257.8	5510.0	1629.1	1261.7	1298.3	1311.3	1174.3	1145.9	1076.2	1000.6
10864.0	50°	8983.2	5950.6	1661.0	1215.6	1233.4	1188.5	1156.6	1130.6	1058.5	984.1
11786.6	52.5°	9733.4	6436.2	1724.8	1153.0	1168.4	1118.8	1149.5	1127.0	1047.9	947.5
12740.0	55°	10470.6	6925.3	1786.2	1079.8	1102.2	1056.2	1129.4	1112.9	999.4	886.0
13757.2	57.5°	11219.6	7412.0	1846.5	1014.8	1038.4	995.9	1097.5	1075.1	945.1	829.3
14867.7	60°	11998.1	7884.5	1874.9	952.2	968.7	940.4	1049.1	1010.1	883.7	771.4
15959.3	62.5°	12727.0	8277.9	1828.8	889.6	900.2	888.4	985.3	933.3	822.2	706.5
17096.9	65°	13458.3	8511.8	1687.0	828.1	830.5	824.6	895.5	850.6	750.2	649.8
18092.8	67.5°	14121.0	8643.0	1461.4	762.0	756.1	753.7	811.6	760.8	680.5	593.1
18850.1	70°	14261.6	8309.8	1116.4	684.0	684.0	678.1	719.5	667.5	603.7	532.8
18307.9	72.5°	13025.9	6990.2	792.7	595.4	604.9	593.1	627.3	583.6	525.7	478.5
15778.5	75°	10503.7	5126.0	576.5	504.4	521.0	500.9	532.8	502.1	452.5	451.3
10873.4	77.5°	7217.1	3169.6	418.2	415.8	427.7	401.7	438.3	421.8	376.9	356.8
4732.6	80°	3079.9	1264.1	304.8	321.3	321.3	297.7	340.2	345.0	306.0	296.5
913.2	82.5°	613.1	359.1	213.8	220.9	207.9	200.8	241.0	267.0	368.6	409.9
275.3	85°	184.3	132.3	128.8	120.5	106.3	107.5	141.8	268.2	330.8	189.0
91.0	87.5°	50.8	33.1	34.3	27.2	22.4	29.5	48.4	203.2	111.0	47.3
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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<u>180°</u>
4483.3
4340.4
3961.2
3345.7
2671.1
2238.7
1957.5
1873.7
1840.6
1765.0
1678.7
1632.7
1609.0
1568.9
1446.0
1297.2
1137.7
1072.7
1029.0
994.7
975.8
940.4
880.1
827.0
767.9
705.3
642.7
586.0
530.4
464.3
406.4
334.3
296.5
411.1
163.0
40.2
0.0

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