

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: P956346

Luminaire Tested: **GALN-SB9A-740-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956346  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB9A-740-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

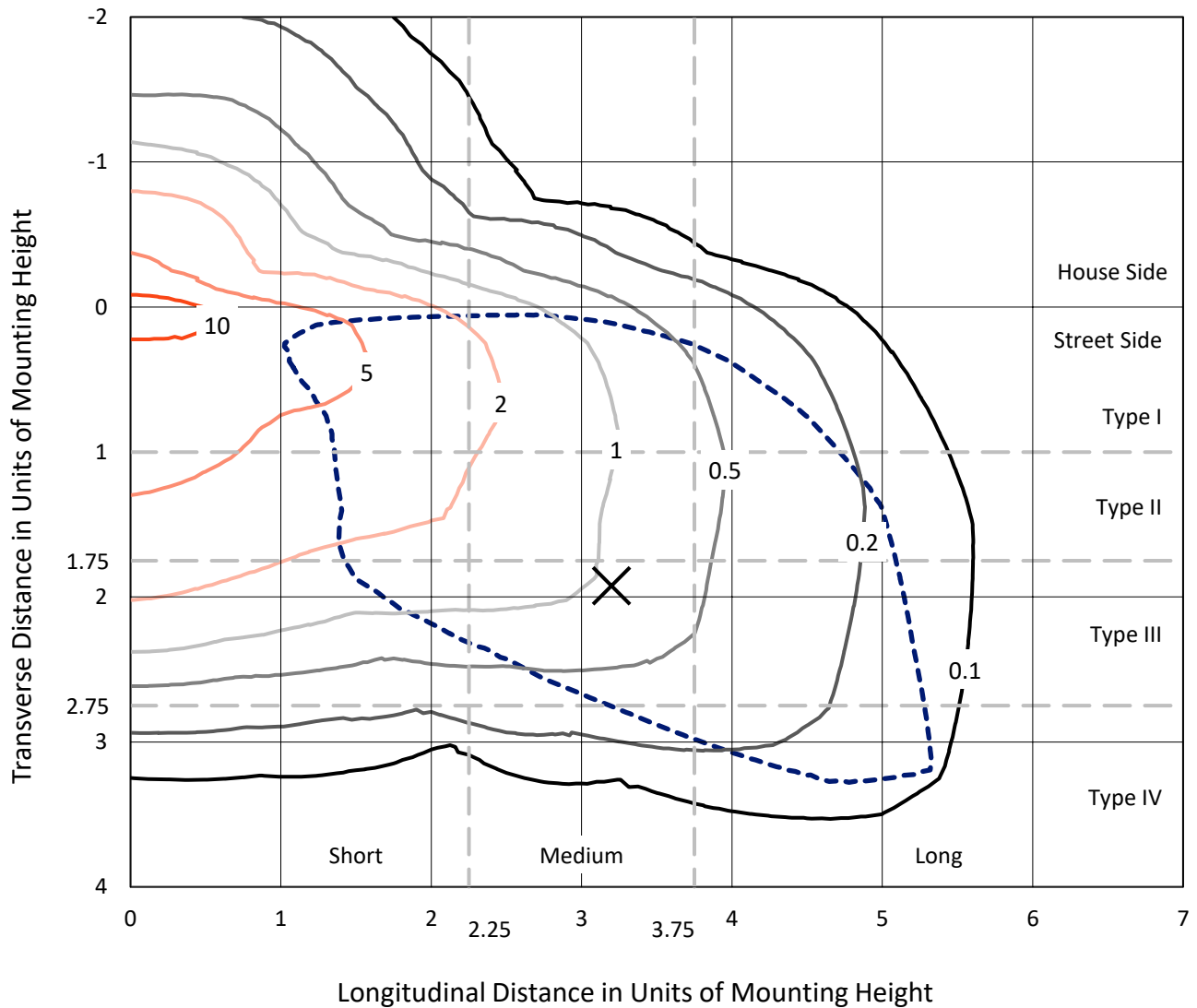
Lumens per Lamp: N/A  
Luminaire Lumens: 42247 lumens  
Efficiency: N/A  
Efficacy: 165.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

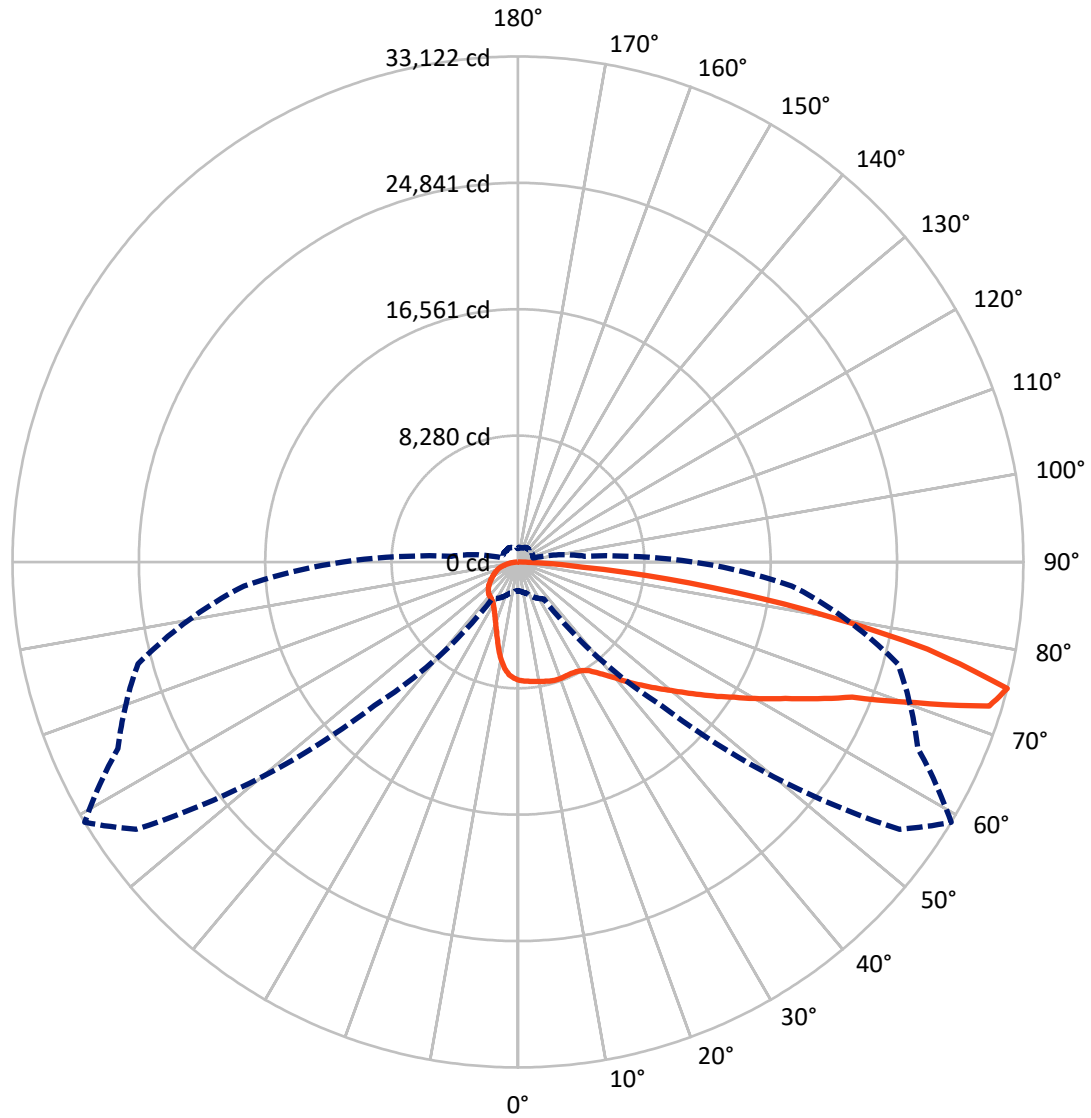
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7923.7	0.0	7923.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	34323.3	0.0	34323.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	42247.0	0.0	42247.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	695.3	1.6
10°-20°	1777.2	4.2
20°-30°	2699.5	6.4
30°-40°	4012.7	9.5
40°-50°	5967.6	14.1
50°-60°	8100.3	19.2
60°-70°	9889.1	23.4
70°-80°	7760.9	18.4
80°-90°	1344.4	3.2
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°	42247.0	100.0
0°-180°	42247.0	100.0

**Coefficient of Utilization**



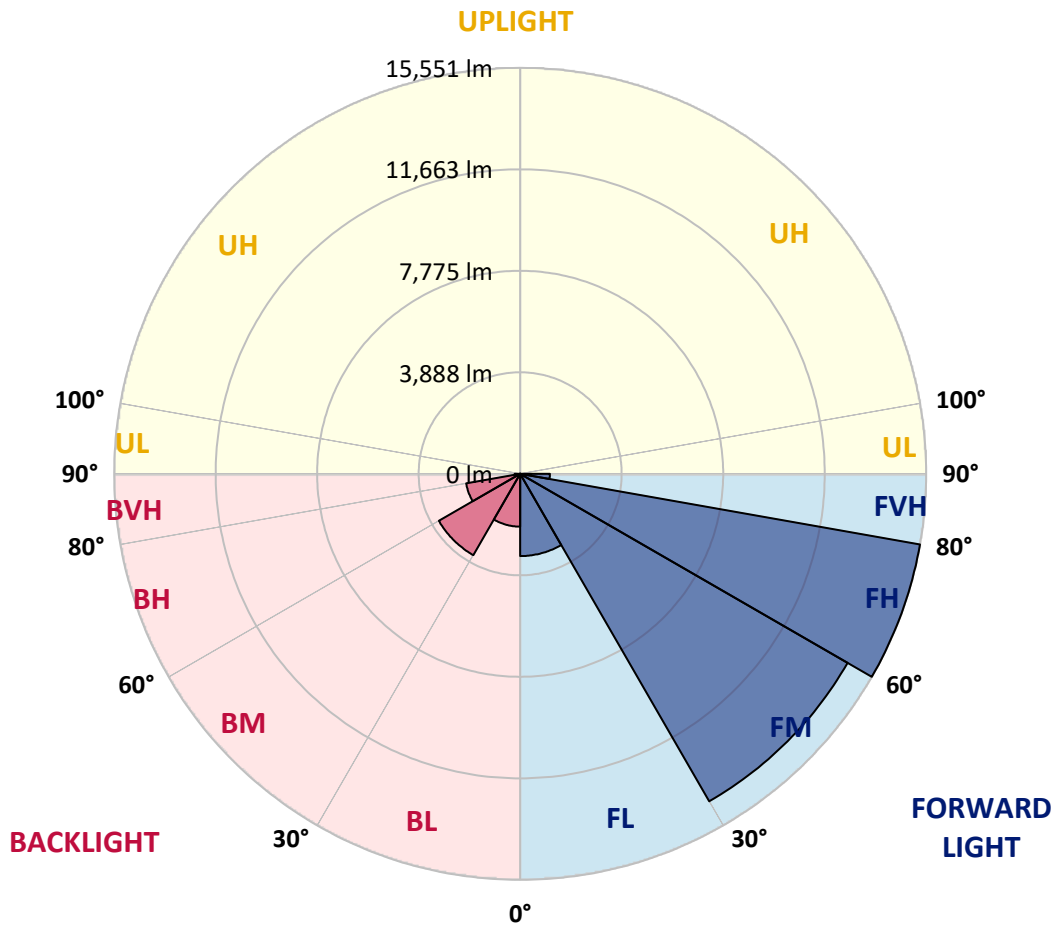
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3150.0	7.5			
FM (30°-60°)	14484.0	34.3			
FH (60°-80°)	15550.7	36.8			G5
FVH (80°-90°)	1138.6	2.7			G5
BL (0°-30°)	2022.0	4.8	B3/2500		
BM (30°-60°)	3596.6	8.5	B3/5000		
BH (60°-80°)	2099.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	205.8	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-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3
2.5°	7820.3	7793.0	7820.3	7808.9	7804.3	7795.3	7797.5	7813.4	7804.3	7815.7
5°	7768.0	7752.1	7779.3	7772.5	7802.1	7806.6	7836.2	7854.3	7865.7	7868.0
7.5°	7681.6	7665.7	7704.3	7736.2	7799.8	7818.0	7879.3	7908.9	7924.8	7952.1
10°	7365.7	7358.9	7454.4	7574.8	7724.8	7818.0	7911.2	7961.2	7986.2	8058.9
12.5°	6806.6	6815.7	6940.7	7172.5	7472.5	7772.5	7947.5	8020.2	8058.9	8149.8
15°	6272.6	6270.3	6406.7	6654.4	7074.8	7572.5	7965.7	8090.7	8156.6	8290.7
17.5°	5963.5	5954.4	6049.8	6238.5	6629.4	7265.7	7920.2	8129.3	8270.2	8438.4
20°	5906.7	5888.5	5938.5	6031.7	6308.9	6929.4	7802.1	8129.3	8361.1	8579.3
22.5°	6113.5	6083.9	6063.5	6052.1	6174.8	6652.1	7668.0	8102.1	8495.2	8781.6
25°	6529.4	6483.9	6379.4	6277.1	6240.7	6527.1	7549.8	8095.2	8695.2	9054.3
27.5°	7202.1	7145.3	6933.9	6688.5	6468.0	6590.7	7497.5	8136.2	8915.7	9342.9
30°	8036.2	7974.8	7708.9	7331.6	6936.2	6827.1	7563.4	8256.6	9197.5	9727.0
32.5°	8783.9	8715.7	8488.4	8104.3	7570.3	7236.2	7772.5	8486.1	9640.7	10261.1
35°	9447.5	9367.9	9163.4	8808.9	8347.5	7811.2	8149.8	8892.9	10270.2	11129.3
37.5°	10097.5	10004.3	9781.6	9406.6	9083.9	8577.0	8670.2	9415.7	11106.5	12183.8
40°	10824.7	10690.6	10420.2	10049.7	9736.1	9474.8	9354.3	10056.6	11956.5	13361.0
42.5°	11529.2	11402.0	11079.3	10763.4	10370.2	10295.2	10147.5	10806.5	12886.0	14654.2
45°	12288.3	12136.0	11745.1	11345.2	11097.4	10840.6	10915.6	11556.5	13797.4	15972.3
47.5°	12999.7	12829.2	12367.9	11922.4	11786.1	11299.7	11620.2	12381.5	14745.1	17308.6
50°	13383.7	13215.6	12831.5	12429.2	12322.4	11865.6	12383.8	13288.3	15738.2	18640.4
52.5°	13704.2	13522.4	13020.1	12797.4	12765.6	12481.5	13324.7	14324.6	16731.4	19817.7
55°	14045.1	13842.8	13201.9	13001.9	13147.4	13172.4	14440.5	15499.6	17781.4	20965.4
57.5°	14438.3	14181.4	13376.9	13174.7	13520.1	13981.5	15722.3	16717.7	18813.1	22029.0
60°	14808.7	14549.6	13713.3	13449.6	13922.4	14920.1	17192.7	18192.7	19981.3	22976.7
62.5°	14881.4	14667.8	13981.5	13979.2	14467.8	16015.5	18933.6	19681.3	21001.7	23913.0
65°	13622.4	13488.3	13081.5	13958.7	15249.6	17592.7	20872.2	21585.8	22299.4	24731.2
67.5°	10367.9	10386.1	10356.5	12049.7	14617.8	19858.6	23678.9	23624.4	23901.6	25649.3
70°	4740.8	4847.6	5543.0	8318.0	11711.1	20119.9	28319.7	27612.9	25913.0	26837.9
72.5°	2561.3	2643.1	2927.2	4029.4	7040.7	17888.2	31787.8	32290.1	28587.9	27637.9
75°	1879.5	1924.9	2122.7	2561.3	2956.7	13295.1	30544.7	33121.9	28922.0	25772.1
77.5°	1406.8	1427.2	1588.6	2029.5	1513.6	7008.9	24406.2	27431.1	24758.4	21174.4
80°	1020.4	1043.2	1163.6	1522.7	1061.3	2563.6	16758.7	19254.0	16956.4	13497.4
82.5°	704.5	713.6	765.9	1036.3	740.9	995.4	9508.8	11290.6	9465.7	4736.2
85°	425.0	436.4	459.1	604.5	420.4	472.7	4104.4	4245.3	2829.5	1131.8
87.5°	175.0	186.4	204.5	254.5	165.9	131.8	677.3	850.0	529.5	331.8
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°
7754.3	0°	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3	7754.3
7777.1	2.5°	7765.7	7749.8	7706.6	7647.5	7593.0	7524.8	7495.3	7470.3	7447.5	7404.4
7838.4	5°	7813.4	7770.3	7654.3	7504.3	7333.9	7147.5	6965.7	6840.7	6733.9	6654.4
7908.9	7.5°	7886.2	7804.3	7593.0	7286.2	6895.3	6495.3	6133.9	5877.1	5683.9	5613.5
8008.9	10°	7961.2	7863.4	7495.3	6954.4	6279.4	5663.5	5184.0	4920.3	4765.8	4715.8
8127.1	12.5°	8049.8	7906.6	7343.0	6493.0	5590.8	4915.8	4497.6	4343.1	4263.5	4236.3
8272.5	15°	8179.3	7943.0	7113.5	5915.8	4934.0	4370.3	4099.9	3993.1	3952.2	3949.9
8422.5	17.5°	8277.1	7949.8	6756.6	5297.6	4429.4	4040.8	3818.1	3777.2	3804.4	3845.4
8570.2	20°	8386.1	7888.4	6288.5	4734.0	4074.9	3752.2	3659.0	3686.3	3752.2	3811.3
8765.7	22.5°	8463.4	7777.1	5722.6	4295.3	3768.1	3586.3	3581.7	3638.5	3674.9	3704.4
8995.2	25°	8531.6	7588.4	5122.6	3927.2	3515.8	3486.3	3536.3	3518.1	3493.1	3518.1
9224.8	27.5°	8581.6	7290.7	4586.2	3604.5	3338.5	3418.1	3388.5	3347.6	3345.4	3359.0
9495.2	30°	8565.7	6893.0	4145.3	3297.6	3213.6	3290.8	3220.4	3213.6	3206.7	3213.6
9902.0	32.5°	8565.7	6440.7	3806.7	3086.3	3134.0	3104.5	3097.6	3081.7	3054.5	3052.2
10454.3	35°	8613.4	5988.5	3515.8	2972.6	3068.1	2997.6	3002.2	2963.6	2906.7	2879.5
11186.1	37.5°	8711.1	5624.9	3227.2	2918.1	2952.2	2949.9	2931.7	2865.8	2765.8	2679.5
12099.7	40°	8947.5	5518.0	3029.5	2893.1	2897.7	2924.9	2877.2	2749.9	2522.7	2381.8
13026.9	42.5°	9317.9	5697.6	2986.3	2831.7	2861.3	2888.6	2795.4	2499.9	2338.6	2254.5
13999.6	45°	9788.4	6011.2	3079.5	2743.1	2774.9	2822.7	2545.4	2404.5	2331.8	2334.0
14963.2	47.5°	10383.8	6340.7	3252.2	2665.8	2649.9	2677.2	2379.5	2293.1	2193.1	2218.1
15888.2	50°	11072.4	6674.8	3415.8	2561.3	2511.3	2422.7	2272.7	2190.9	2063.6	2004.5
16781.4	52.5°	11817.9	6997.5	3481.7	2434.0	2361.3	2259.0	2199.9	2099.9	1945.4	1847.7
17624.5	55°	12524.7	7290.7	3409.0	2281.8	2211.3	2131.8	2122.7	2061.3	1895.4	1759.0
18374.5	57.5°	13192.8	7536.2	3227.2	2127.2	2059.0	2011.3	2072.7	2043.1	1834.0	1659.0
19083.6	60°	13758.7	7704.3	2963.6	1970.4	1922.7	1897.7	1990.9	1981.8	1747.7	1552.2
19719.9	62.5°	14208.7	7770.3	2672.7	1820.4	1809.0	1763.6	1877.2	1877.2	1638.6	1447.7
20279.0	65°	14561.0	7706.6	2377.2	1672.7	1695.4	1627.2	1738.6	1725.0	1522.7	1354.5
20922.2	67.5°	14872.3	7497.5	2049.9	1527.2	1579.5	1493.1	1593.1	1561.3	1395.4	1261.3
21479.0	70°	15011.0	7011.2	1677.2	1381.8	1445.4	1361.3	1447.7	1388.6	1252.2	1161.3
20867.6	72.5°	13897.4	5827.1	1320.4	1229.5	1284.1	1215.9	1290.9	1222.7	1097.7	1056.8
18020.0	75°	11497.4	4372.6	1015.9	1063.6	1104.5	1052.2	1102.2	1052.2	938.6	968.2
13311.0	77.5°	8349.8	2952.2	777.3	888.6	906.8	879.5	922.7	865.9	763.6	756.8
6633.9	80°	4152.2	1729.5	609.1	702.3	695.4	677.3	727.3	700.0	613.6	650.0
1790.9	82.5°	1202.2	740.9	443.2	493.2	479.5	484.1	520.4	534.1	800.0	793.2
556.8	85°	377.3	290.9	265.9	275.0	261.4	268.2	306.8	609.1	563.6	329.5
172.7	87.5°	97.7	100.0	65.9	70.5	72.7	86.4	97.7	370.4	177.3	115.9
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°
7754.3
7383.9
6588.5
5490.8
4638.5
4243.1
3959.0
3861.3
3831.7
3720.4
3534.0
3381.7
3238.6
3081.7
2906.7
2709.0
2399.9
2254.5
2345.4
2281.8
2020.4
1845.4
1759.0
1650.0
1545.4
1440.9
1345.4
1252.2
1143.2
1022.7
884.1
722.7
643.2
811.3
356.8
122.7
0.0

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