

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: P942234

Luminaire Tested: **GALN-SB6A-927-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942234  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6A-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

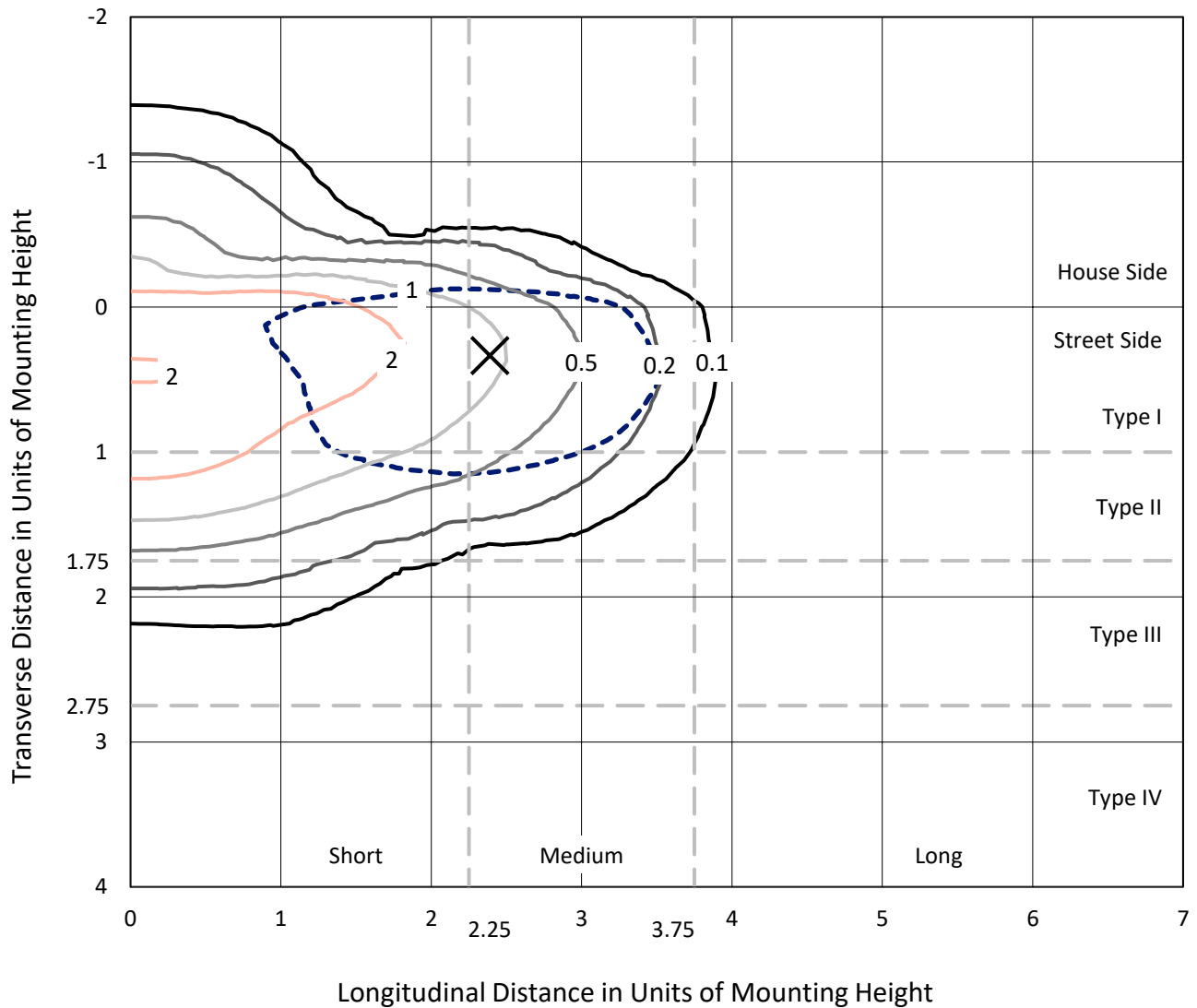
Lumens per Lamp: N/A  
Luminaire Lumens: 12091 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

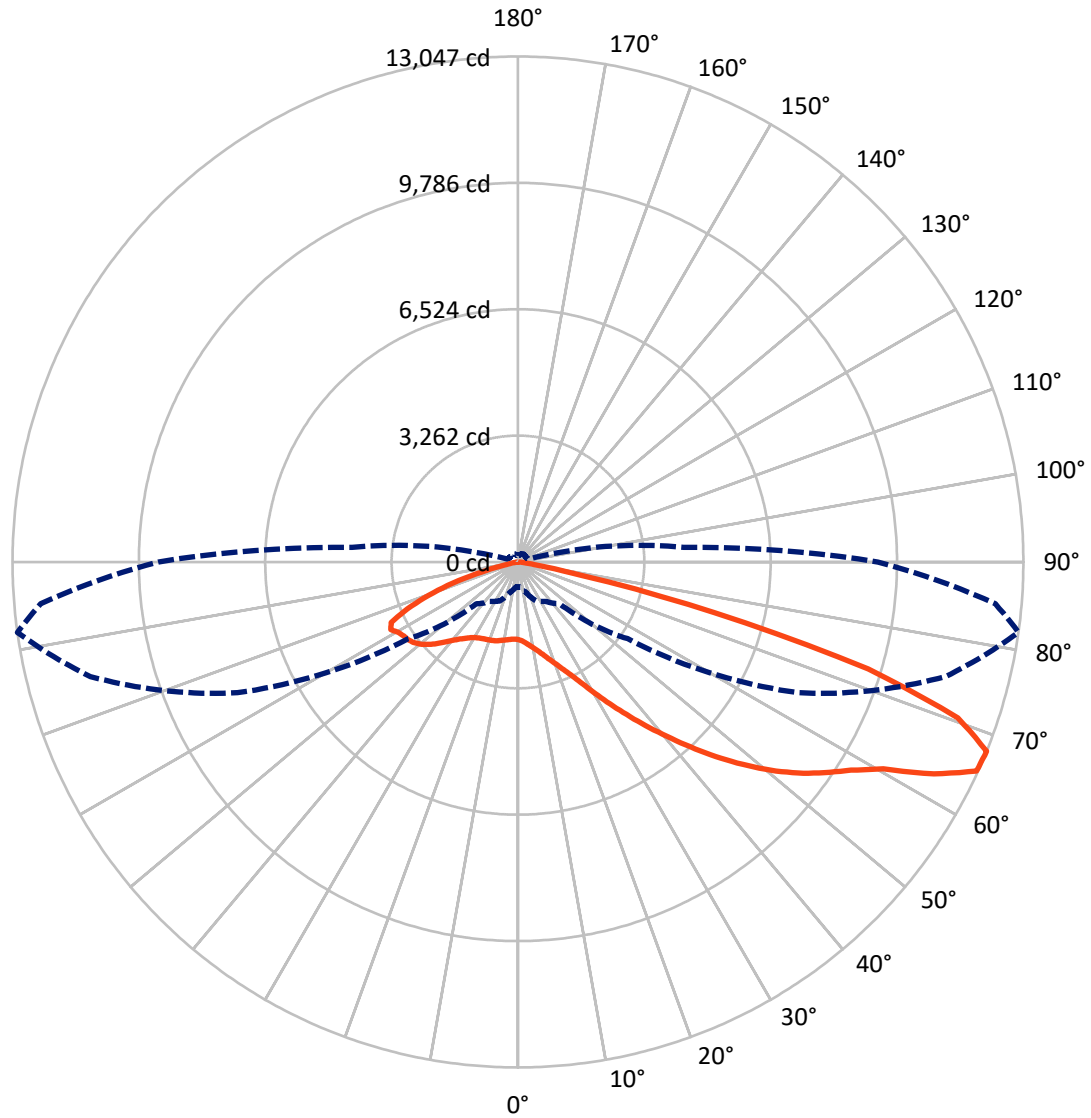
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2190.2	0.0	2190.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	9900.8	0.0	9900.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	12091.0	0.0	12091.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	178.5	1.5
10°-20°	463.7	3.8
20°-30°	742.8	6.1
30°-40°	1313.4	10.9
40°-50°	2301.3	19.0
50°-60°	3069.3	25.4
60°-70°	2857.3	23.6
70°-80°	1096.6	9.1
80°-90°	68.1	0.6
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°	12091.0	100.0
0°-180°	12091.0	100.0

**Coefficient of Utilization**



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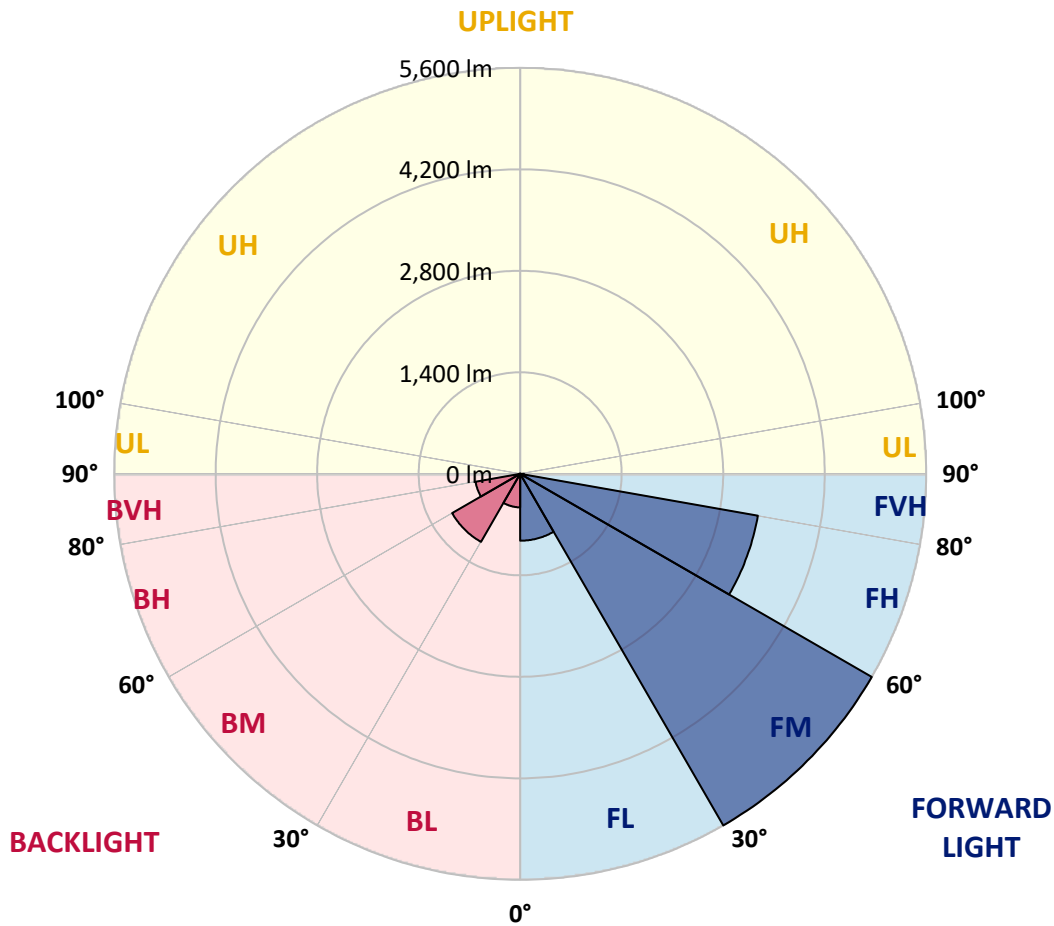
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.4	7.6			
FM (30°-60°)	5600.1	46.3			
FH (60°-80°)	3328.8	27.5			G2/5000
FVH (80°-90°)	49.5	0.4			G1/100
BL (0°-30°)	462.6	3.8	B1/500		
BM (30°-60°)	1083.9	9.0	B2/2500		
BH (60°-80°)	625.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	18.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1
2.5°	2117.1	2129.3	2122.3	2118.8	2112.8	2104.0	2097.1	2075.3	2052.7	2037.9
5°	2159.8	2172.0	2171.1	2174.6	2178.9	2181.5	2179.8	2155.4	2123.2	2098.0
7.5°	2123.2	2137.1	2148.4	2165.9	2196.3	2228.5	2244.2	2239.0	2205.9	2171.1
10°	2019.6	2034.4	2061.4	2102.3	2166.7	2236.4	2294.7	2321.7	2300.8	2262.5
12.5°	1829.8	1844.6	1897.7	1986.5	2094.5	2215.5	2326.9	2399.2	2404.4	2366.1
15°	1616.6	1631.4	1687.9	1799.4	1963.9	2158.0	2344.3	2481.0	2527.1	2494.0
17.5°	1484.2	1497.3	1540.0	1629.6	1801.1	2043.1	2338.2	2568.0	2673.4	2647.3
20°	1444.2	1455.5	1475.5	1538.2	1681.0	1923.9	2298.2	2649.9	2830.9	2816.1
22.5°	1486.9	1497.3	1503.4	1531.2	1620.9	1845.5	2247.7	2733.4	3013.7	3015.5
25°	1585.2	1595.7	1588.7	1606.1	1645.3	1821.1	2228.5	2831.8	3243.6	3262.7
27.5°	1747.1	1748.0	1731.5	1730.6	1736.7	1857.7	2248.6	2937.1	3533.4	3569.1
30°	2071.8	2058.8	1995.2	1926.5	1895.1	1967.4	2304.3	3061.6	3875.6	3939.1
32.5°	2572.4	2553.2	2436.6	2272.1	2106.7	2144.1	2404.4	3203.5	4248.1	4363.1
35°	3115.6	3110.4	2988.5	2743.9	2454.9	2395.7	2567.2	3389.8	4654.7	4837.5
37.5°	3620.5	3617.9	3548.2	3260.1	2908.4	2746.5	2828.3	3633.6	5089.9	5354.6
40°	4081.9	4089.7	4020.1	3762.4	3408.1	3196.6	3183.5	3934.8	5573.9	5917.8
42.5°	4480.6	4489.3	4418.8	4228.1	3901.7	3694.5	3619.6	4303.9	6046.6	6522.8
45°	4751.3	4805.3	4794.8	4642.5	4408.3	4193.3	4143.7	4767.0	6585.5	7164.4
47.5°	4827.9	4877.5	4955.9	4976.8	4834.0	4622.5	4681.7	5325.0	7130.4	7806.8
50°	4639.0	4685.1	4847.9	5064.7	5163.9	5098.6	5204.8	5923.0	7688.4	8447.5
52.5°	4266.4	4313.4	4518.9	4861.9	5266.7	5472.1	5729.8	6512.4	8229.0	9054.3
55°	3727.6	3777.2	4041.0	4429.2	5070.8	5626.2	6167.6	7100.8	8724.4	9600.1
57.5°	2994.6	3031.2	3305.4	3848.6	4578.1	5473.0	6490.6	7743.3	9191.0	10136.4
60°	1951.7	1983.9	2302.5	2908.4	3761.5	4961.1	6555.0	8459.7	9810.8	10833.6
62.5°	1297.9	1319.7	1508.6	1953.4	2649.0	3978.3	6178.1	9031.7	10719.6	12047.1
65°	890.5	912.3	1101.2	1411.1	1711.4	2631.6	5094.3	8955.9	11543.1	13010.8
67.5°	635.5	653.8	813.9	1106.4	1238.8	1528.6	3453.4	7987.9	11424.7	13047.4
70°	455.3	465.7	598.0	861.8	984.6	918.4	1920.4	6109.3	10003.2	12048.0
72.5°	318.6	322.1	415.2	656.4	793.0	670.3	914.0	4073.2	7565.7	9456.5
75°	215.9	220.2	279.4	481.4	636.4	511.9	484.0	2184.1	4441.4	5234.4
77.5°	132.3	134.1	180.2	329.1	476.2	390.0	311.6	925.4	1718.4	1687.1
80°	74.9	74.9	114.9	204.6	324.7	251.6	218.5	393.5	544.1	477.9
82.5°	41.8	42.7	83.6	127.1	215.0	148.9	120.1	181.9	235.0	208.1
85°	17.4	19.2	51.4	60.1	102.7	74.0	48.7	76.6	87.1	77.5
87.5°	1.7	2.6	15.7	11.3	12.2	14.8	7.0	14.8	12.2	12.2
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°
2003.1	0°	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1	2003.1
2032.7	2.5°	2016.1	2003.1	1970.0	1931.7	1881.2	1856.8	1823.7	1801.1	1782.0	1783.7
2083.2	5°	2055.3	2022.2	1948.2	1856.0	1741.0	1659.2	1572.2	1512.1	1463.3	1452.9
2152.8	7.5°	2109.3	2057.0	1927.3	1761.1	1566.9	1419.8	1288.4	1203.9	1143.9	1124.7
2237.2	10°	2178.9	2103.2	1900.3	1641.8	1362.4	1175.2	1034.2	968.0	927.1	913.2
2336.5	12.5°	2259.9	2156.3	1864.7	1496.4	1151.7	971.5	881.8	848.8	835.7	831.3
2458.4	15°	2361.7	2222.4	1810.7	1324.1	973.2	847.0	808.7	804.4	806.1	804.4
2604.6	17.5°	2482.7	2294.7	1722.8	1146.5	853.1	783.5	769.5	773.0	777.4	776.5
2768.3	20°	2615.0	2366.1	1610.5	988.9	771.3	738.2	730.4	733.8	737.3	735.6
2957.2	22.5°	2765.6	2442.7	1486.0	866.2	716.4	696.4	687.7	688.6	688.6	685.1
3196.6	25°	2945.8	2527.1	1355.4	779.1	674.7	659.0	648.5	645.1	639.8	629.4
3487.3	27.5°	3160.9	2616.8	1230.0	718.2	641.6	626.8	614.6	605.9	592.8	575.4
3836.4	30°	3402.9	2725.6	1123.8	679.9	615.5	600.7	586.7	573.7	554.5	532.8
4237.7	32.5°	3687.5	2842.3	1046.4	654.6	592.0	576.3	559.7	544.1	523.2	501.4
4688.6	35°	4027.0	2983.3	1001.1	637.2	573.7	552.8	534.5	517.1	501.4	482.3
5178.7	37.5°	4395.3	3133.0	987.2	628.5	561.5	529.3	508.4	496.2	494.5	483.1
5708.9	40°	4798.3	3310.6	997.6	623.3	548.4	506.6	484.0	481.4	485.8	465.7
6275.6	42.5°	5224.9	3521.3	1015.0	617.2	530.1	484.0	462.2	462.2	458.8	430.9
6874.5	45°	5686.2	3764.1	1032.4	602.4	508.4	461.4	444.8	438.7	423.9	397.0
7476.9	47.5°	6151.1	4011.4	1045.5	575.4	482.3	442.2	427.4	413.5	391.7	367.4
8068.0	50°	6592.5	4233.3	1031.6	535.4	452.7	423.9	408.3	389.1	365.6	349.1
8627.7	52.5°	6986.8	4425.7	972.4	488.4	421.3	404.8	390.9	370.8	351.7	334.3
9132.6	55°	7329.8	4581.6	867.9	444.0	393.5	388.3	374.3	349.1	323.0	308.2
9633.2	57.5°	7658.8	4699.9	737.3	407.4	368.2	370.0	349.1	326.4	302.1	286.4
10307.8	60°	8096.7	4858.4	605.0	373.5	341.2	346.5	323.8	307.3	276.8	256.8
11464.8	62.5°	8796.6	5104.7	480.5	331.7	309.9	311.6	302.1	282.0	245.5	222.0
12322.2	65°	9352.0	5014.2	378.7	286.4	274.2	276.8	276.8	255.1	215.9	188.9
12368.4	67.5°	9289.3	4293.4	302.1	242.0	240.3	242.0	248.1	229.8	191.5	169.8
11426.5	70°	8557.2	3415.1	242.0	201.1	208.9	204.6	222.0	209.8	172.4	150.6
8858.4	72.5°	6982.5	2460.1	184.6	166.3	160.2	167.1	200.2	188.9	143.6	119.3
4692.1	75°	4080.1	1312.7	137.5	131.4	115.8	139.3	177.6	161.0	109.7	87.9
1438.1	77.5°	1328.4	457.9	101.0	96.6	86.2	112.3	151.5	135.8	89.7	69.6
421.3	80°	356.0	138.4	68.8	63.5	55.7	83.6	120.1	107.9	64.4	45.3
181.1	82.5°	142.8	58.3	40.0	35.7	30.5	57.5	94.9	87.1	47.9	28.7
56.6	85°	46.1	19.2	14.8	11.3	13.9	35.7	56.6	59.2	34.0	14.8
8.7	87.5°	6.1	2.6	2.6	3.5	2.6	6.1	17.4	16.5	9.6	1.7
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>
2003.1
1766.3
1429.4
1105.6
902.7
828.7
803.5
774.8
734.7
683.4
627.6
573.7
531.0
502.3
480.5
482.3
466.6
430.9
396.1
366.5
346.5
332.5
306.4
284.7
254.2
220.2
186.3
166.3
148.0
116.6
85.3
67.0
44.4
28.7
11.3
0.0
0.0

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