

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: P952614

Luminaire Tested: **GALN-SB6B-930-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-930-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24195 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

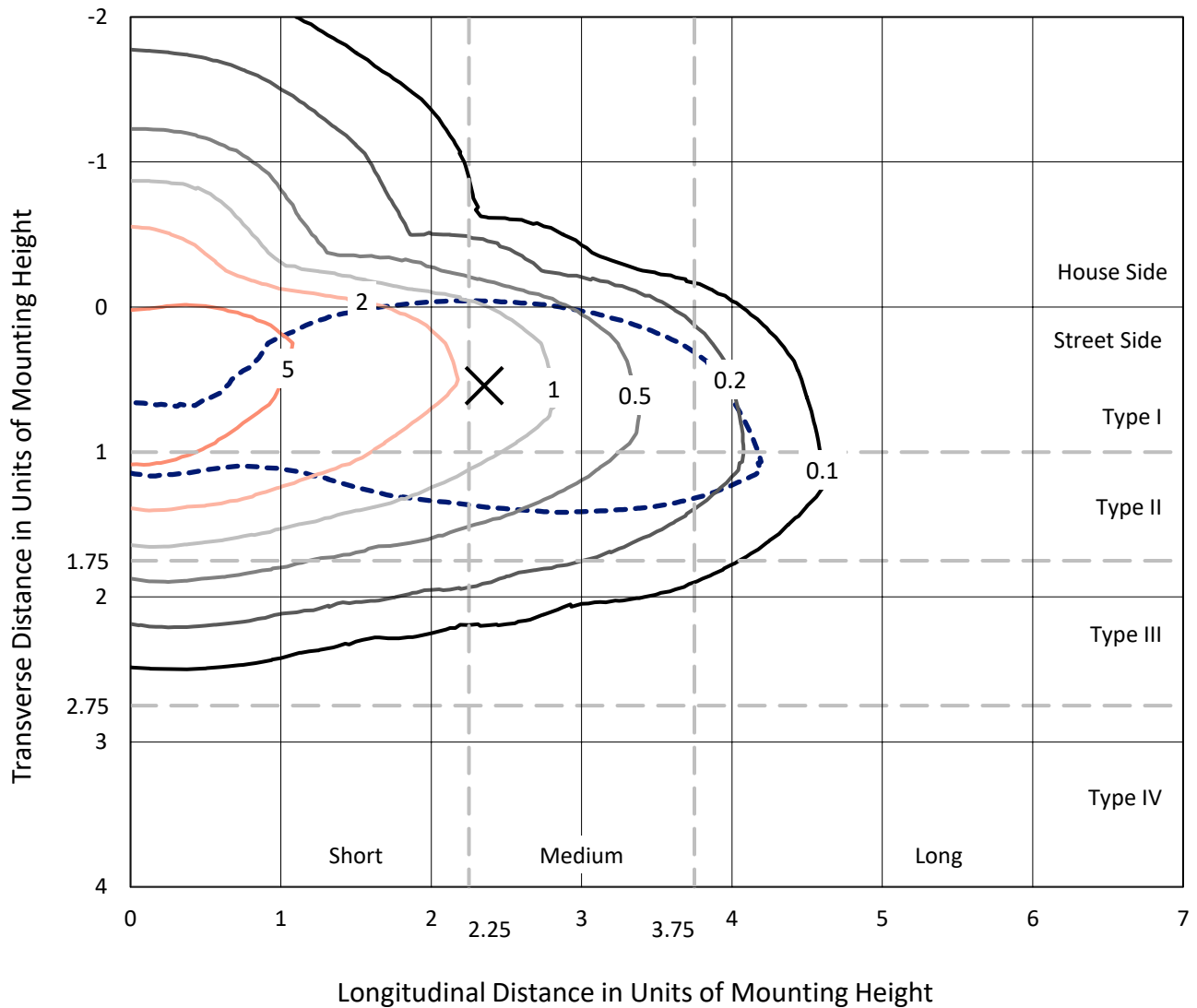
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

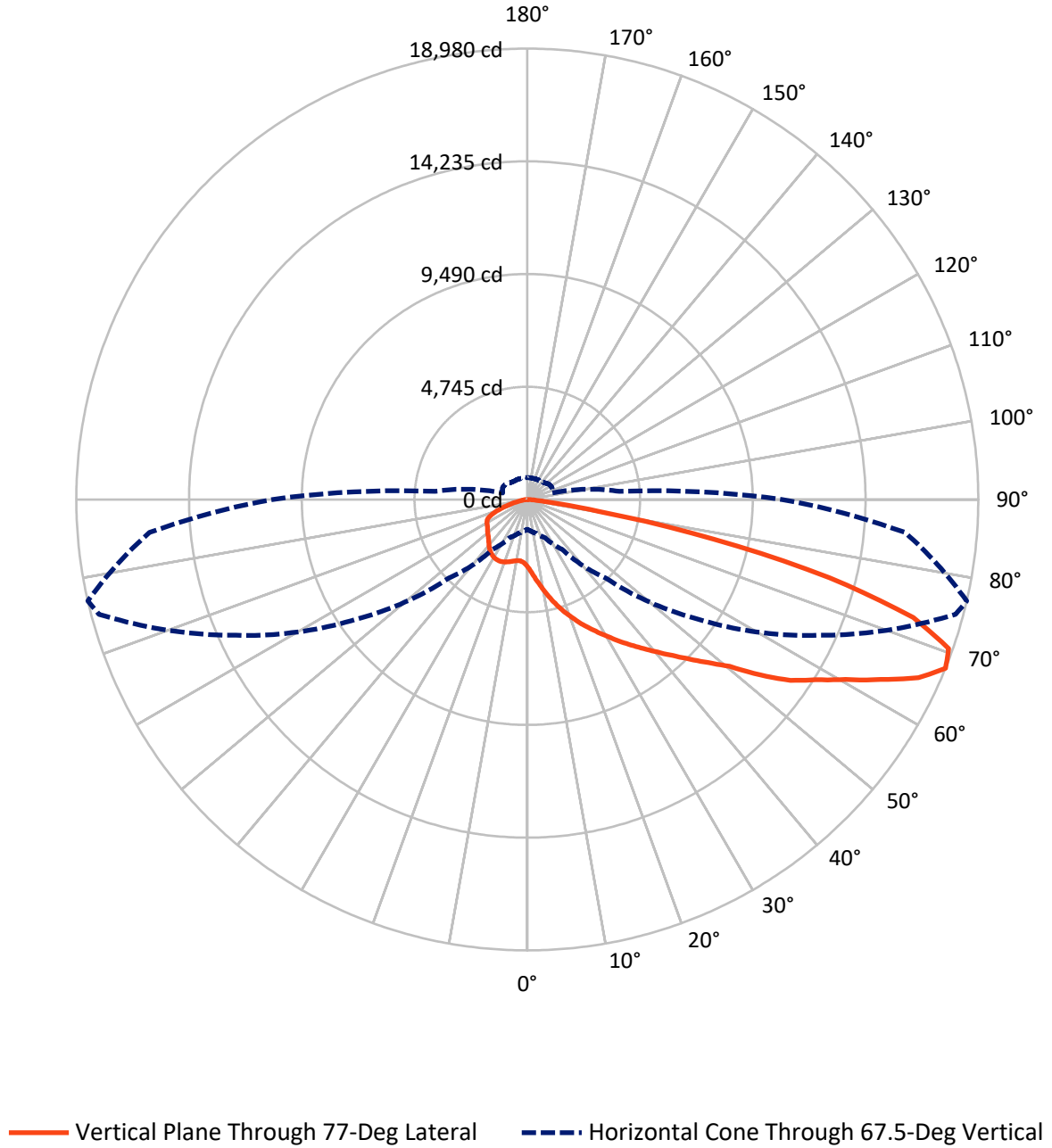
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4576.7	0.0	4576.7
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	19618.3	0.0	19618.3
	% Fixture	81.1	0.0	81.1
Total	Lumens	24195.0	0.0	24195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	1.3
10°-20°	1093.2	4.5
20°-30°	2064.0	8.5
30°-40°	3325.1	13.7
40°-50°	4548.1	18.8
50°-60°	5130.3	21.2
60°-70°	4788.5	19.8
70°-80°	2624.9	10.8
80°-90°	316.6	1.3
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°	24195.0	100.0
0°-180°	24195.0	100.0

Coefficient of Utilization



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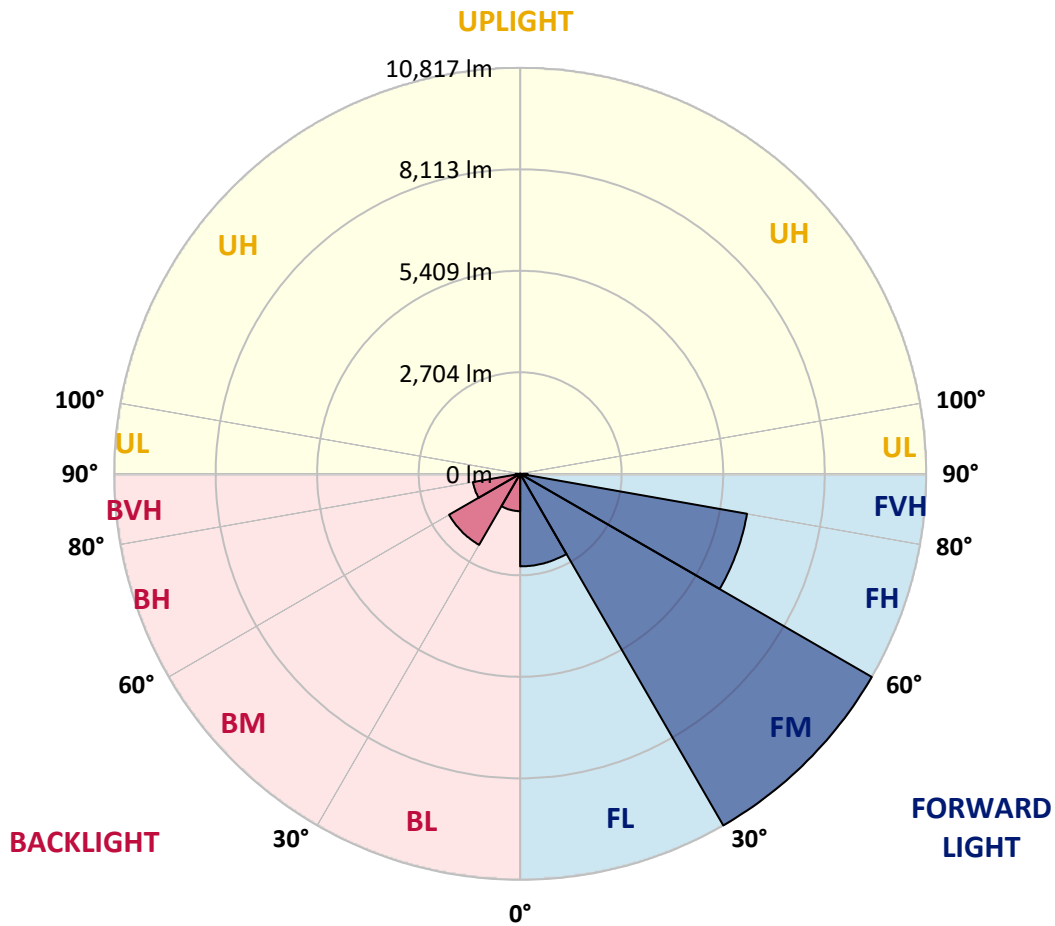
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2466.4	10.2			
FM (30°-60°)	10817.3	44.7			
FH (60°-80°)	6136.6	25.4			G3/7500
FVH (80°-90°)	198.0	0.8			G2/225
BL (0°-30°)	995.1	4.1	B2/1000		
BM (30°-60°)	2186.2	9.0	B2/2500		
BH (60°-80°)	1276.8	5.3	B3/2500		G3/2500
BVH (80°-90°)	118.6	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°	77°
0°	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8
2.5°	3554.5	3579.4	3548.2	3548.2	3443.3	3388.4	3283.4	3203.5	3059.9	3034.9
5°	4201.4	4232.6	4188.9	4170.2	4046.5	3932.9	3756.8	3583.2	3327.2	3300.9
7.5°	4702.2	4742.2	4703.5	4683.5	4573.6	4446.2	4240.1	3997.8	3636.9	3585.7
10°	5110.6	5116.9	5104.4	5111.9	5025.7	4920.8	4709.7	4427.5	3976.6	3906.7
12.5°	5341.7	5370.4	5395.4	5440.4	5425.4	5360.4	5170.6	4833.4	4336.3	4246.4
15°	5450.3	5500.3	5556.5	5660.2	5743.8	5760.1	5615.2	5269.2	4702.2	4593.6
17.5°	5489.1	5536.5	5625.2	5775.1	5954.9	6076.1	6011.1	5692.6	5064.4	4939.5
20°	5685.1	5698.9	5752.6	5895.0	6089.8	6290.9	6339.6	6099.8	5422.9	5281.7
22.5°	6104.8	6077.3	6092.3	6157.2	6297.1	6492.0	6603.1	6459.5	5791.3	5628.9
25°	6797.9	6718.0	6638.1	6563.1	6634.3	6744.2	6870.4	6819.2	6177.2	5971.1
27.5°	7673.4	7576.0	7399.9	7153.9	7067.7	7106.4	7162.6	7152.6	6534.4	6325.8
30°	8535.2	8421.6	8211.7	7855.8	7628.5	7526.1	7483.6	7454.9	6922.8	6700.5
32.5°	9223.4	9133.4	8927.4	8529.0	8199.2	8024.4	7883.3	7780.9	7328.7	7106.4
35°	9825.4	9741.7	9505.6	9071.0	8712.6	8526.5	8341.6	8123.1	7750.9	7526.1
37.5°	10374.9	10291.2	9967.7	9515.6	9154.7	9026.0	8861.2	8490.2	8174.3	7961.9
40°	10722.1	10703.4	10401.1	9889.1	9514.4	9450.7	9395.7	8916.1	8643.9	8446.5
42.5°	10810.8	10852.0	10612.2	10191.3	9834.1	9782.9	9911.5	9398.2	9170.9	8982.3
45°	10597.2	10715.8	10558.5	10272.5	10061.4	10033.9	10368.6	9925.3	9754.2	9581.8
47.5°	10056.4	10257.5	10192.5	10152.6	10122.6	10241.3	10770.8	10484.8	10414.9	10265.0
50°	8964.8	9345.8	9459.4	9711.7	10001.5	10402.4	11136.7	11095.5	11186.7	11035.6
52.5°	7077.7	7602.3	8261.7	8893.7	9629.3	10348.7	11538.9	11972.3	12356.9	12274.5
55°	5842.5	6078.6	6585.6	7744.6	8907.4	10122.6	11720.0	12680.4	13518.5	13444.8
57.5°	4893.3	5104.4	5416.6	6384.5	7815.8	9609.3	11832.4	13112.5	14314.0	14306.5
60°	3875.4	4099.0	4418.7	5104.4	6540.7	8722.5	11807.4	13604.6	15329.4	15391.9
62.5°	2726.4	2972.5	3327.2	3966.6	5238.0	7573.5	11297.8	13960.6	16524.6	16694.5
65°	1792.2	1954.6	2221.9	2773.9	3902.9	6096.0	10324.9	14006.8	17803.5	18090.8
67.5°	1256.4	1318.9	1476.2	1776.0	2572.8	4674.8	8775.0	13528.4	18656.6	18980.0
70°	980.4	1011.6	1091.6	1211.5	1616.1	3143.6	6724.3	12284.5	18474.2	18811.4
72.5°	846.8	876.8	906.7	921.7	1084.1	1940.8	4554.9	10271.2	16756.9	16985.5
75°	768.1	775.6	800.6	795.6	826.8	1258.9	2629.0	7483.6	13221.2	13142.5
77.5°	645.7	655.7	696.9	690.7	734.4	860.5	1365.1	4829.6	8571.4	8036.9
80°	547.0	552.0	597.0	589.5	638.2	623.2	696.9	2461.6	3635.6	3079.9
82.5°	189.8	234.8	455.9	469.6	487.1	377.2	402.2	1004.1	1110.3	850.5
85°	92.4	98.7	232.3	329.7	328.5	189.8	196.1	358.4	349.7	274.8
87.5°	15.0	18.7	27.5	128.6	102.4	50.0	67.4	69.9	72.4	62.4
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°
2838.8	0°	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8	2838.8
2940.0	2.5°	2870.0	2807.6	2676.5	2555.3	2460.4	2369.2	2318.0	2274.3	2249.3	2244.3
3077.4	5°	2947.5	2818.8	2580.3	2379.2	2248.1	2150.7	2099.5	2067.0	2050.7	2040.8
3262.2	7.5°	3058.6	2870.0	2530.3	2301.8	2164.4	2094.5	2068.2	2063.2	2062.0	2063.2
3485.8	10°	3212.3	2953.7	2525.3	2283.0	2168.1	2129.4	2128.2	2129.4	2134.4	2135.7
3729.3	12.5°	3378.4	3039.9	2545.3	2299.3	2215.6	2194.4	2190.6	2189.4	2193.1	2195.6
3975.4	15°	3559.5	3153.6	2579.0	2334.3	2268.1	2245.6	2241.8	2234.3	2233.1	2231.8
4233.9	17.5°	3745.6	3266.0	2616.5	2371.7	2301.8	2270.6	2256.8	2239.3	2225.6	2221.9
4501.2	20°	3934.1	3377.1	2642.7	2390.5	2304.3	2260.6	2233.1	2203.1	2179.4	2165.7
4770.9	22.5°	4135.2	3493.3	2659.0	2385.5	2281.8	2221.9	2171.9	2136.9	2100.7	2077.0
5043.2	25°	4331.3	3594.4	2657.7	2359.2	2238.1	2161.9	2098.2	2053.2	2003.3	1978.3
5324.2	27.5°	4519.9	3685.6	2626.5	2313.0	2175.6	2090.7	2014.5	1960.8	1912.1	1888.4
5607.7	30°	4714.7	3761.8	2577.8	2245.6	2102.0	2008.3	1924.6	1878.4	1834.7	1812.2
5907.5	32.5°	4908.3	3831.7	2509.1	2161.9	2017.0	1927.1	1844.7	1802.2	1776.0	1776.0
6229.7	35°	5113.1	3880.4	2417.9	2064.5	1927.1	1840.9	1776.0	1751.0	1748.5	1733.5
6570.6	37.5°	5329.2	3911.7	2306.8	1964.6	1838.4	1757.2	1737.3	1707.3	1682.3	1649.8
6945.3	40°	5556.5	3942.9	2173.1	1860.9	1744.8	1699.8	1691.1	1651.1	1579.9	1500.0
7370.0	42.5°	5832.5	3964.1	2034.5	1757.2	1646.1	1631.1	1643.6	1574.9	1461.3	1401.3
7882.0	45°	6152.2	3999.1	1907.1	1654.8	1544.9	1544.9	1597.4	1507.5	1413.8	1376.3
8466.5	47.5°	6566.9	4080.3	1788.5	1542.4	1451.3	1476.2	1495.0	1426.3	1373.8	1327.6
9178.4	50°	7166.4	4275.1	1666.1	1428.8	1380.1	1430.0	1403.8	1363.8	1302.6	1265.2
10309.9	52.5°	7910.7	4390.0	1557.4	1326.4	1318.9	1368.8	1331.4	1293.9	1247.7	1197.7
11168.0	55°	8417.8	4411.2	1466.2	1251.4	1277.7	1272.7	1258.9	1225.2	1200.2	1134.0
12014.7	57.5°	8984.8	4453.7	1391.3	1206.5	1251.4	1196.5	1191.5	1162.8	1130.3	1085.3
13047.6	60°	9663.0	4519.9	1326.4	1189.0	1229.0	1146.5	1121.5	1110.3	1077.8	1055.3
14290.3	62.5°	10402.4	4579.8	1260.2	1191.5	1202.7	1097.8	1060.3	1056.6	1036.6	1029.1
15456.8	65°	10906.9	4416.2	1177.7	1189.0	1161.5	1047.9	1000.4	999.1	982.9	980.4
15962.6	67.5°	10730.8	3897.9	1066.6	1154.0	1119.0	997.9	945.4	940.4	919.2	920.5
15434.3	70°	9849.1	3158.6	913.0	1067.8	1066.6	952.9	888.0	871.8	843.0	848.0
13419.8	72.5°	8195.5	2340.5	706.9	924.2	982.9	911.7	821.8	795.6	759.4	764.3
9906.5	75°	5918.7	1591.1	514.6	703.1	855.5	863.0	756.9	711.9	668.2	675.7
5514.0	77.5°	3028.7	901.7	378.4	484.6	671.9	784.3	698.2	638.2	628.2	698.2
1589.9	80°	987.9	452.1	262.3	339.7	440.9	642.0	612.0	543.3	540.8	557.0
333.5	82.5°	294.7	191.1	168.6	223.6	243.5	492.1	528.3	410.9	353.4	372.2
111.2	85°	101.2	92.4	96.2	111.2	116.2	288.5	369.7	272.3	257.3	283.5
25.0	87.5°	23.7	32.5	27.5	25.0	25.0	69.9	143.6	113.7	157.4	104.9
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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<u>180°</u>
2838.8
2244.3
2039.5
2067.0
2136.9
2196.9
2230.6
2225.6
2170.6
2078.2
1978.3
1887.1
1811.0
1777.2
1729.8
1644.8
1488.7
1402.6
1382.6
1326.4
1261.4
1187.7
1135.3
1070.3
1061.6
1029.1
979.2
920.5
853.0
763.1
678.2
688.2
478.3
384.7
279.8
101.2
0.0

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