

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: P942405

Luminaire Tested: **GALN-SB6B-927-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20595 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

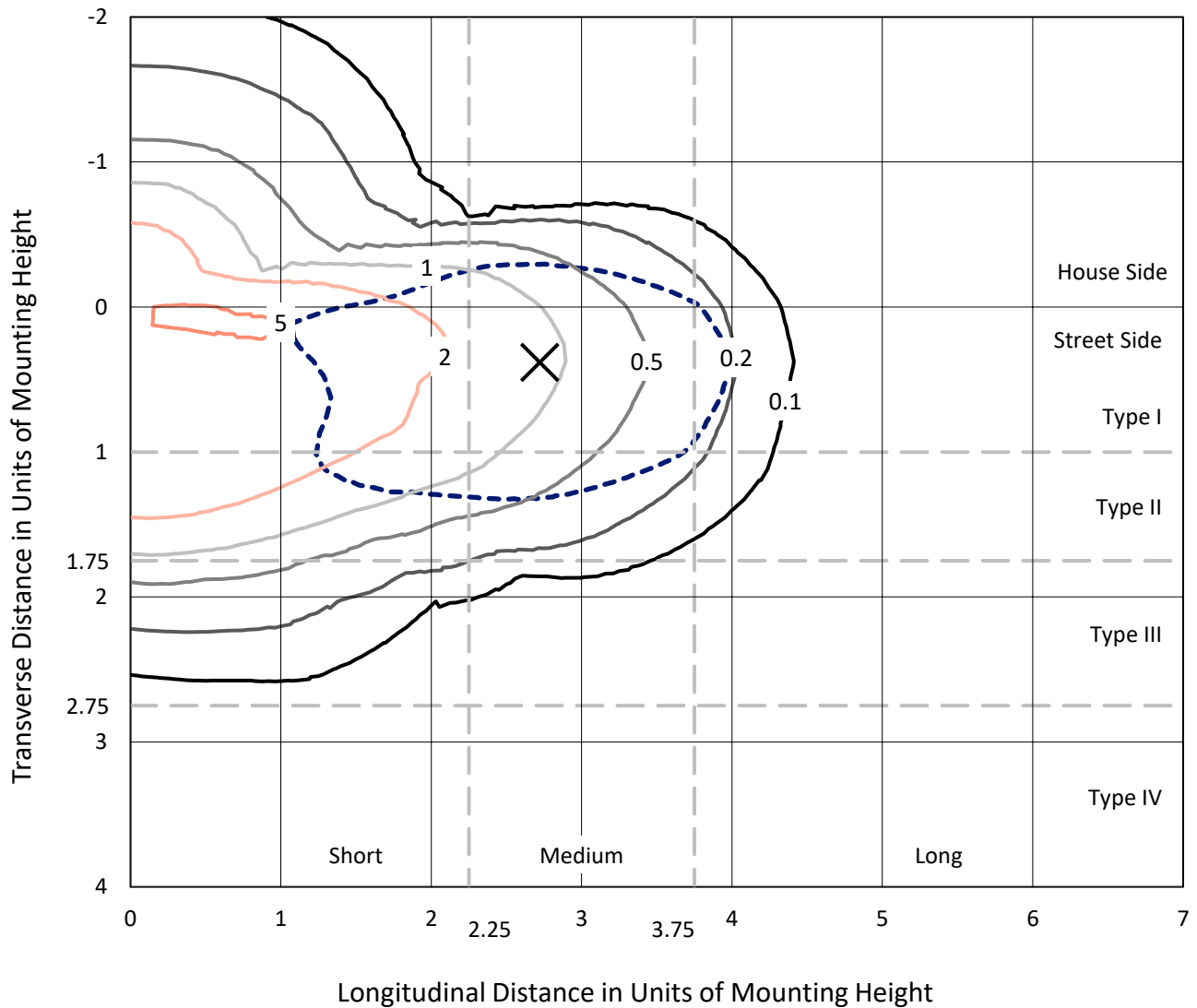
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

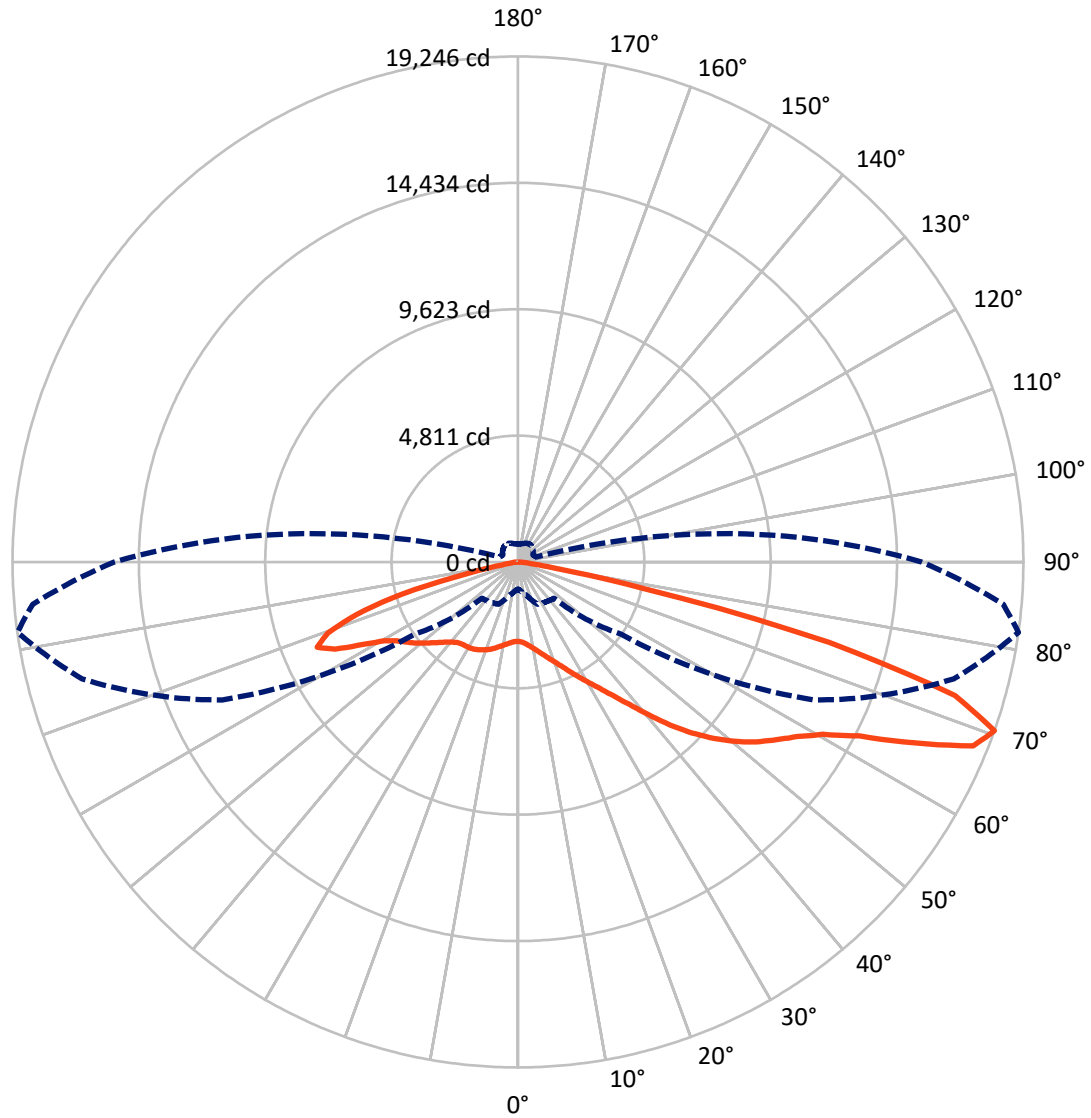
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5077.2	0.0	5077.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15517.8	0.0	15517.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	20595.0	0.0	20595.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.1	1.4
10°-20°	819.1	4.0
20°-30°	1370.3	6.7
30°-40°	2140.7	10.4
40°-50°	3409.3	16.6
50°-60°	4744.4	23.0
60°-70°	4962.9	24.1
70°-80°	2593.9	12.6
80°-90°	269.3	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°	20595.0	100.0
0°-180°	20595.0	100.0

Coefficient of Utilization



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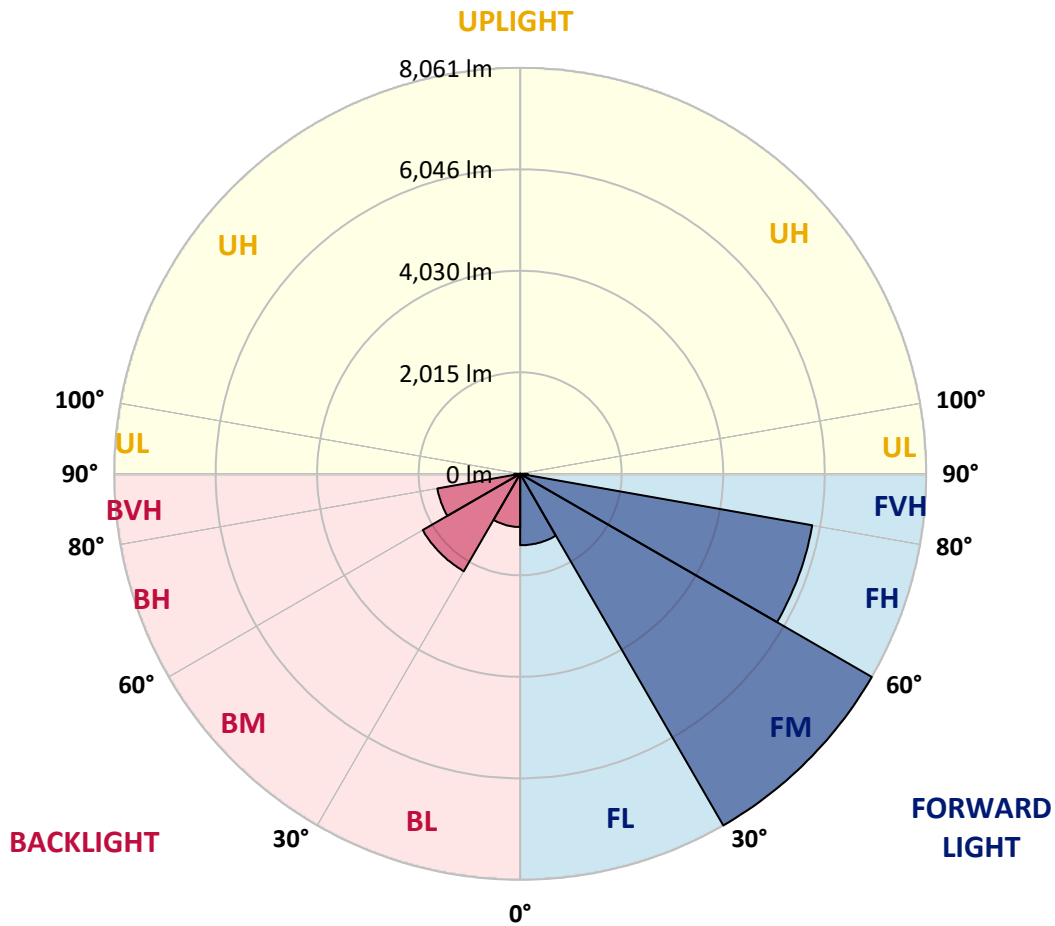
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1418.2	6.9			
FM (30°-60°)	8060.7	39.1			
FH (60°-80°)	5888.2	28.6			G3/7500
FVH (80°-90°)	150.8	0.7			G2/225
BL (0°-30°)	1056.2	5.1	B3/2500		
BM (30°-60°)	2233.8	10.8	B2/2500		
BH (60°-80°)	1668.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	118.6	0.6			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°	82°
0°	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5
2.5°	3091.6	3109.1	3103.6	3098.2	3098.2	3090.5	3089.4	3078.5	3069.8	3055.5
5°	3131.0	3149.5	3147.3	3151.7	3165.9	3169.2	3172.5	3165.9	3148.4	3131.0
7.5°	3096.0	3116.7	3123.3	3149.5	3193.2	3232.6	3262.1	3274.1	3257.7	3232.6
10°	2978.0	3000.9	3023.9	3086.1	3163.7	3256.6	3335.3	3382.3	3379.0	3355.0
12.5°	2738.6	2762.7	2811.8	2933.2	3075.2	3239.1	3385.6	3483.9	3517.8	3500.3
15°	2547.4	2568.1	2605.3	2729.9	2914.6	3163.7	3404.2	3595.4	3681.7	3671.9
17.5°	2541.9	2550.7	2573.6	2632.6	2774.7	3045.7	3384.5	3704.7	3869.7	3868.6
20°	2638.1	2641.4	2654.5	2666.5	2747.4	2956.1	3334.2	3795.4	4080.6	4080.6
22.5°	2771.4	2769.2	2782.3	2771.4	2810.8	2948.5	3302.5	3875.2	4315.6	4333.1
25°	2971.4	2960.5	2957.2	2932.1	2939.7	3019.5	3337.5	3965.9	4594.3	4630.3
27.5°	3238.1	3220.6	3208.5	3150.6	3131.0	3165.9	3444.6	4075.2	4904.6	4966.9
30°	3585.6	3553.9	3536.4	3435.9	3364.8	3370.3	3606.3	4220.5	5229.2	5329.7
32.5°	4059.9	4010.7	3963.7	3798.7	3668.6	3626.0	3815.1	4421.6	5581.1	5741.7
35°	4591.0	4551.6	4501.4	4246.7	4046.7	3948.4	4097.0	4702.4	5993.1	6247.7
37.5°	5102.4	5068.5	5092.6	4749.4	4491.5	4348.4	4466.4	5079.5	6501.2	6877.2
40°	5631.3	5605.1	5608.4	5280.5	4980.0	4819.4	4914.4	5552.7	7083.7	7625.8
42.5°	6206.2	6186.5	6120.9	5830.2	5492.6	5342.8	5430.3	6099.1	7708.8	8478.2
45°	6849.8	6837.8	6776.6	6443.3	6056.5	5888.2	6006.2	6702.3	8337.2	9280.3
47.5°	7406.1	7415.9	7408.3	7127.4	6726.4	6479.4	6620.4	7331.8	8921.9	10034.3
50°	7673.8	7725.2	7800.6	7713.2	7464.0	7212.7	7240.0	7939.4	9479.2	10741.4
52.5°	7534.0	7631.2	7836.7	7976.6	8072.7	8020.3	7947.0	8542.6	10003.8	11379.6
55°	7012.7	7149.3	7490.2	7827.9	8318.6	8700.0	8796.2	9211.4	10515.2	11941.3
57.5°	6063.0	6284.9	6590.8	7273.9	8100.0	9028.9	9786.3	10139.3	11057.2	12541.3
60°	4434.7	4731.9	5112.3	6128.6	7335.1	8853.0	10628.8	11564.3	11827.7	13318.3
62.5°	2838.1	3021.7	3371.4	4328.7	5715.5	7951.4	10886.8	13345.6	13133.6	14592.5
65°	1943.0	2061.1	2381.3	2918.9	3694.9	5918.8	10196.1	14681.1	15207.8	16612.1
67.5°	1411.9	1501.5	1774.8	2245.8	2407.5	3502.5	7912.1	14619.9	17224.1	18692.8
70°	1029.4	1092.8	1322.3	1774.8	1852.3	1948.5	4793.1	12427.6	17180.4	19245.8
72.5°	762.8	806.5	960.6	1377.0	1499.4	1315.8	2372.5	9032.2	14763.0	17407.7
75°	551.9	584.7	698.3	1053.5	1199.9	1002.1	1183.5	5278.4	10297.7	12245.1
77.5°	421.8	447.0	521.3	771.5	960.6	751.9	734.4	2428.3	4882.8	4906.8
80°	338.8	355.2	395.6	543.1	736.6	562.8	478.7	980.3	1543.1	1305.9
82.5°	249.2	276.5	334.4	381.4	526.7	388.0	291.8	495.1	586.8	504.9
85°	142.1	160.6	202.2	273.2	336.6	237.1	167.2	219.7	273.2	224.0
87.5°	50.3	65.6	71.0	107.1	146.4	98.4	64.5	63.4	89.6	66.7
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°
3019.5	0°	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5	3019.5
3052.3	2.5°	3041.3	3035.9	3014.0	2984.5	2953.9	2924.4	2914.6	2893.8	2879.6	2872.0
3123.3	5°	3102.5	3085.1	3033.7	2968.1	2899.3	2825.0	2772.5	2724.4	2689.5	2656.7
3220.6	7.5°	3190.0	3159.4	3070.8	2956.1	2833.7	2710.2	2618.4	2548.5	2501.5	2470.9
3334.2	10°	3291.6	3244.6	3109.1	2937.5	2748.5	2571.4	2463.2	2403.1	2373.6	2357.2
3464.3	12.5°	3408.5	3341.9	3148.4	2894.9	2618.4	2416.2	2341.9	2324.4	2325.5	2326.6
3628.2	15°	3552.8	3459.9	3180.1	2802.0	2449.0	2297.1	2284.0	2312.4	2341.9	2356.1
3814.0	17.5°	3715.6	3584.5	3185.6	2649.0	2282.9	2220.6	2262.2	2323.4	2368.2	2387.8
4021.6	20°	3890.5	3711.2	3146.3	2432.6	2146.3	2158.3	2232.6	2311.3	2360.5	2385.6
4258.8	22.5°	4090.5	3846.8	3052.3	2205.3	2034.8	2090.6	2178.0	2254.5	2305.9	2331.0
4537.4	25°	4318.9	3998.7	2904.7	2014.1	1938.7	2014.1	2101.5	2164.9	2206.4	2229.4
4848.9	27.5°	4572.4	4157.1	2708.0	1862.2	1854.5	1935.4	2007.5	2056.7	2078.6	2096.0
5180.0	30°	4827.0	4301.4	2469.8	1747.4	1781.3	1857.8	1909.2	1931.0	1937.6	1940.9
5549.4	32.5°	5102.4	4426.0	2219.5	1652.4	1711.4	1782.4	1813.0	1822.8	1792.2	1771.5
5997.4	35°	5435.7	4559.3	1974.7	1577.0	1642.5	1703.7	1713.6	1704.8	1668.7	1626.1
6559.2	37.5°	5847.7	4725.4	1779.1	1523.4	1578.0	1618.5	1606.5	1604.3	1607.6	1557.3
7234.5	40°	6352.6	4941.8	1636.0	1481.9	1525.6	1534.3	1500.5	1519.0	1535.4	1458.9
7975.5	42.5°	6913.2	5203.0	1545.3	1453.5	1481.9	1461.1	1408.7	1429.4	1427.2	1326.7
8719.7	45°	7484.8	5487.1	1513.6	1432.7	1441.4	1399.9	1342.0	1347.5	1301.6	1210.9
9433.3	47.5°	8053.1	5792.0	1533.2	1415.2	1391.2	1344.2	1299.4	1275.3	1207.6	1139.8
10117.4	50°	8610.4	6112.2	1605.4	1380.2	1322.3	1295.0	1262.2	1219.6	1147.5	1089.5
10764.4	52.5°	9127.3	6434.6	1686.2	1322.3	1236.0	1252.4	1231.6	1182.4	1111.4	1052.4
11376.3	55°	9616.9	6757.0	1717.9	1242.5	1155.1	1215.2	1203.2	1112.5	1027.3	979.2
12016.7	57.5°	10150.2	7144.9	1683.0	1140.9	1089.5	1172.6	1126.7	1026.2	977.0	940.9
12850.6	60°	10888.9	7753.6	1607.6	1015.2	1027.3	1109.2	1030.5	989.0	935.5	895.0
14100.8	62.5°	12116.2	8889.1	1486.2	890.7	954.0	1015.2	984.6	943.1	888.5	849.1
16238.3	65°	13930.3	10467.1	1257.8	793.4	872.1	923.4	935.5	893.9	837.1	795.6
18111.4	67.5°	15460.2	11457.2	951.9	712.5	787.9	849.1	883.0	842.6	782.5	742.0
18549.7	70°	15376.1	10738.1	726.7	632.7	713.6	775.9	819.6	787.9	723.5	685.2
16849.2	72.5°	13657.1	8983.0	587.9	551.9	638.2	699.4	751.9	727.8	662.3	625.1
12343.5	75°	10033.3	6376.7	469.9	469.9	544.2	619.6	677.6	662.3	602.1	575.9
5182.2	77.5°	4229.2	2675.2	368.3	390.1	452.4	532.2	604.3	609.8	557.3	590.1
1370.4	80°	1124.5	737.7	280.9	307.1	355.2	439.3	525.7	523.5	466.6	436.0
509.3	82.5°	428.4	290.7	200.0	216.4	256.8	336.6	416.4	429.5	372.7	322.4
200.0	85°	165.0	124.6	123.5	130.0	149.7	222.9	314.7	325.7	280.9	238.2
55.7	87.5°	42.6	37.2	45.9	43.7	68.8	119.1	180.3	186.9	171.6	99.4
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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<u>180°</u>
3019.5
2880.7
2669.8
2477.4
2361.6
2328.8
2355.0
2392.2
2392.2
2337.6
2235.9
2102.6
1948.5
1778.0
1628.3
1560.6
1461.1
1325.6
1214.1
1139.8
1085.2
1053.5
974.8
937.6
892.8
849.1
797.8
743.1
688.5
625.1
568.3
535.5
405.4
322.4
245.9
142.1
0.0

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