

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: P952956

Luminaire Tested: **GALN-SB6C-927-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-927-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

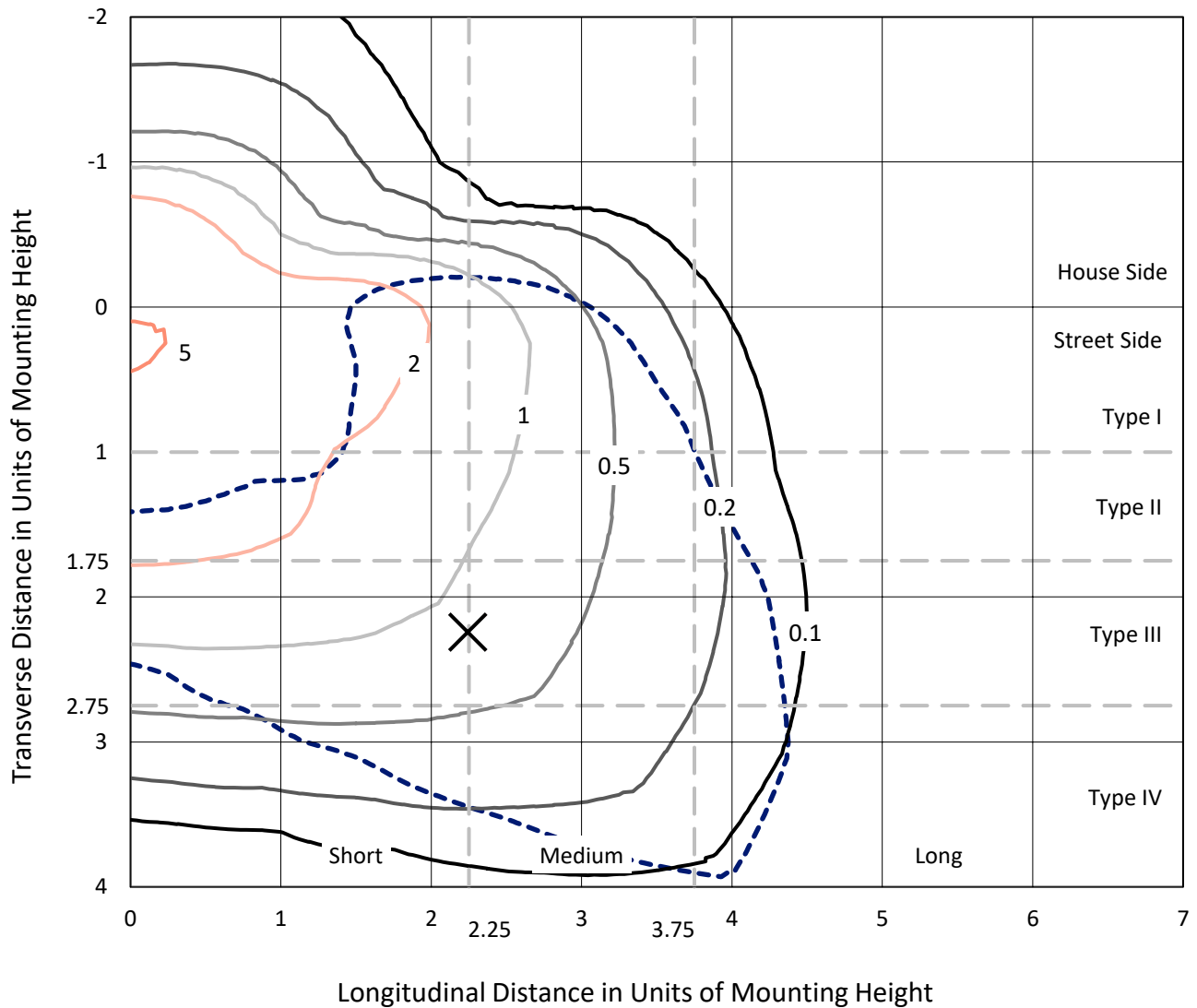
Lumens per Lamp: N/A  
Luminaire Lumens: 27590 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

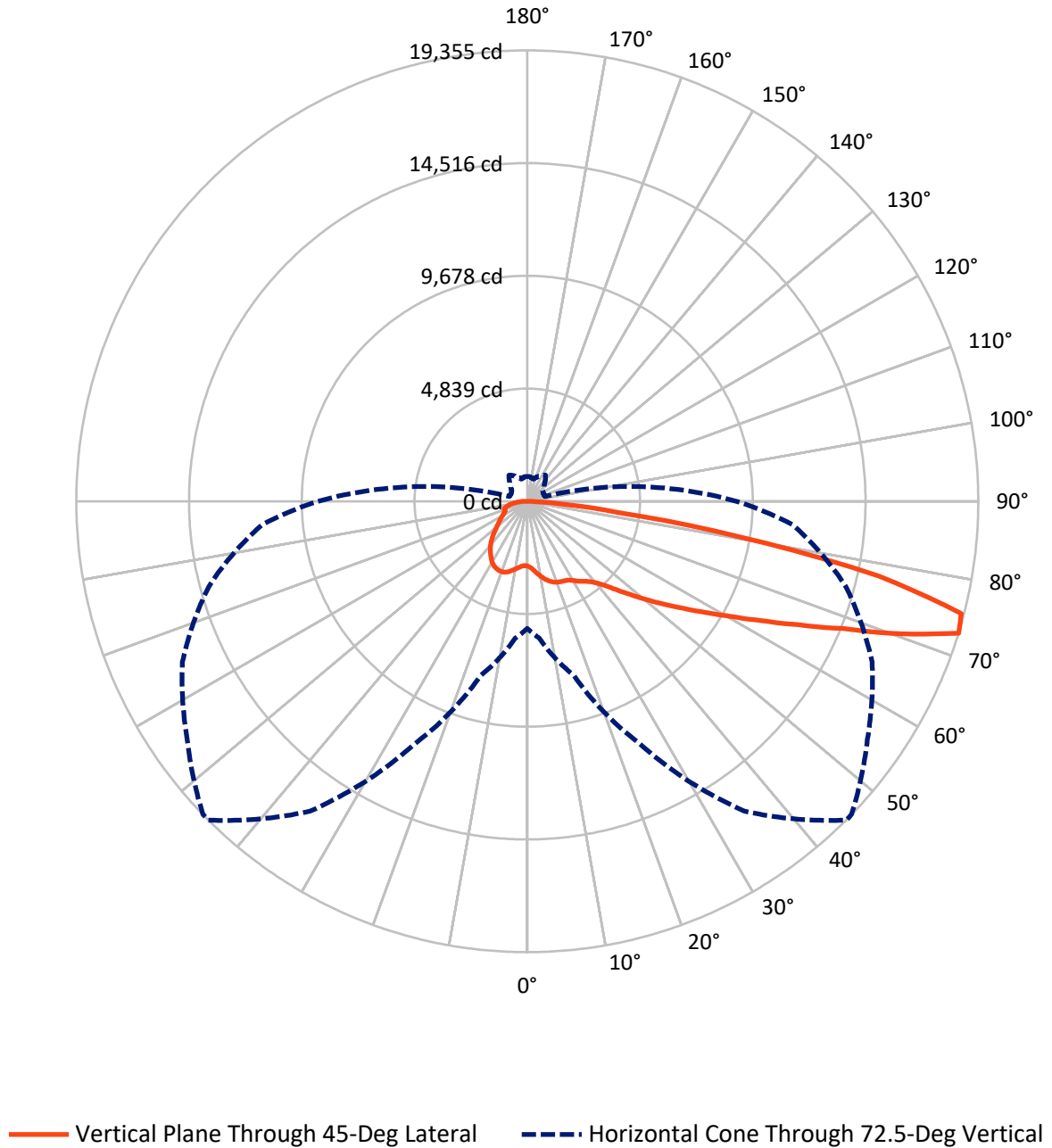
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6237.1	0.0	6237.1
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	21352.9	0.0	21352.9
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	27590.0	0.0	27590.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.3	1.0
10°-20°	944.5	3.4
20°-30°	1643.0	6.0
30°-40°	2355.4	8.5
40°-50°	3316.5	12.0
50°-60°	5079.9	18.4
60°-70°	7359.0	26.7
70°-80°	5876.6	21.3
80°-90°	731.9	2.7
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°	27590.0	100.0
0°-180°	27590.0	100.0



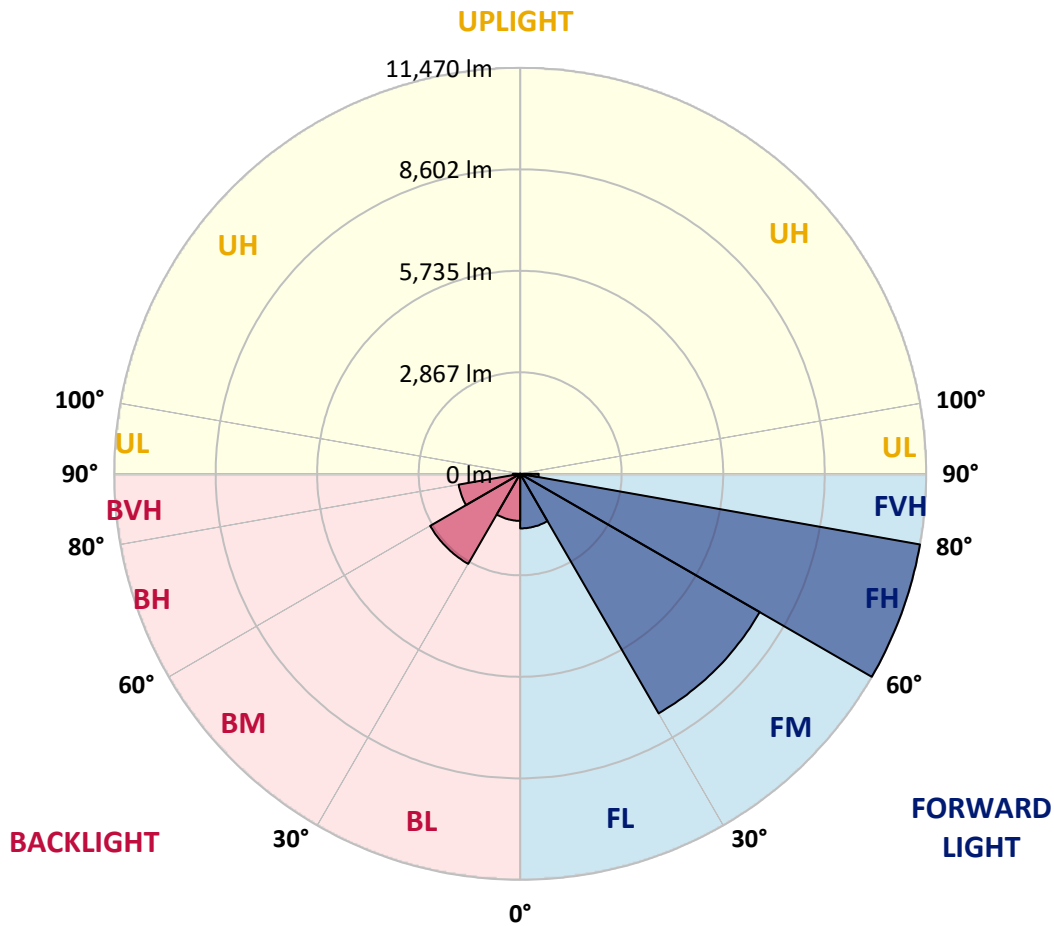
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1542.9	5.6			
FM (30°-60°)	7814.9	28.3			
FH (60°-80°)	11470.0	41.6			G4/12000
FVH (80°-90°)	525.1	1.9			G4/750
BL (0°-30°)	1327.9	4.8	B3/2500		
BM (30°-60°)	2936.8	10.6	B3/5000		
BH (60°-80°)	1765.6	6.4	B3/2500		G3/2500
BVH (80°-90°)	206.8	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3
2.5°	2892.3	2911.2	2893.8	2877.8	2870.5	2851.6	2850.2	2838.5	2831.3	2810.9
5°	3094.3	3119.0	3090.0	3058.0	3028.9	2982.4	2976.6	2943.2	2905.4	2861.8
7.5°	3322.5	3344.3	3310.9	3262.9	3212.1	3135.0	3133.6	3072.5	3012.9	2938.8
10°	3521.6	3550.7	3505.6	3440.2	3376.3	3289.1	3278.9	3209.1	3133.6	3037.6
12.5°	3697.5	3717.8	3674.2	3594.3	3520.2	3433.0	3419.9	3342.9	3258.6	3149.6
15°	3837.0	3863.2	3805.0	3719.3	3640.8	3555.1	3543.4	3473.7	3389.4	3274.5
17.5°	3928.6	3950.4	3890.8	3794.9	3719.3	3648.1	3639.4	3581.2	3507.1	3390.8
20°	3963.5	3986.7	3924.2	3826.8	3757.1	3701.9	3697.5	3655.3	3604.5	3498.4
22.5°	3998.4	4020.2	3938.8	3837.0	3776.0	3741.1	3739.6	3712.0	3691.7	3604.5
25°	4139.3	4145.1	4036.1	3889.3	3802.1	3771.6	3770.2	3768.7	3777.4	3709.1
27.5°	4261.4	4260.0	4166.9	4028.9	3893.7	3829.8	3828.3	3842.8	3870.5	3813.8
30°	4440.2	4424.2	4313.7	4169.9	4046.3	3947.5	3938.8	3925.7	3947.5	3902.4
32.5°	4819.5	4768.7	4589.9	4334.1	4172.8	4097.2	4085.6	4004.2	4012.9	3985.3
35°	5363.1	5296.3	5057.9	4645.1	4329.7	4222.2	4216.4	4113.2	4095.7	4071.0
37.5°	6009.9	5927.0	5649.4	5095.7	4600.1	4367.5	4358.8	4265.8	4194.6	4168.4
40°	6659.6	6554.9	6325.3	5645.1	4998.3	4610.2	4582.6	4441.6	4360.3	4316.6
42.5°	7290.3	7203.1	7006.9	6261.3	5489.6	4964.9	4903.8	4662.6	4601.5	4560.8
45°	7848.5	7770.0	7626.1	6919.7	6065.1	5447.4	5387.8	4993.9	4975.0	4975.0
47.5°	8301.9	8284.5	8131.9	7591.2	6743.9	5996.8	5893.6	5454.7	5505.5	5584.0
50°	8804.8	8756.8	8594.1	8252.5	7541.8	6626.1	6541.8	6020.1	6210.5	6425.6
52.5°	9267.0	9293.1	9111.5	8941.4	8442.9	7328.1	7179.9	6687.2	7098.5	7454.6
55°	9742.3	9743.7	9692.8	9669.6	9387.6	8104.3	7941.5	7489.5	8143.5	8585.3
57.5°	10188.5	10191.4	10266.9	10471.9	10483.5	8999.6	8815.0	8474.9	9304.8	9755.3
60°	10586.7	10607.0	10813.4	11293.1	11447.1	10025.7	9851.3	9639.1	10505.3	10958.8
62.5°	10720.4	10794.5	11253.8	11935.5	12399.1	11284.3	11112.8	10986.4	11766.9	12188.4
65°	10493.7	10663.7	11551.8	12466.0	13378.7	12779.9	12609.8	12471.8	13077.8	13474.6
67.5°	9937.0	10156.5	11534.3	13022.6	14567.6	14579.2	14420.8	14096.7	14483.3	14635.9
70°	8470.5	8799.0	10518.4	13230.5	15932.4	17039.9	16887.3	16053.0	15885.9	15147.5
72.5°	5457.6	5899.4	7745.3	11519.8	16236.1	19355.2	19346.4	17818.9	16329.1	14153.4
75°	1991.2	2261.5	3598.7	7230.8	13628.7	19237.4	19294.1	17516.6	14906.2	10932.6
77.5°	725.3	793.6	1174.4	2778.9	8381.9	15435.3	15553.0	14003.7	10609.9	5486.7
80°	380.8	418.6	601.7	1078.4	3591.4	9166.7	9351.3	8322.3	4986.7	1652.5
82.5°	210.7	228.2	337.2	585.7	1617.7	3919.9	4030.3	3287.6	1754.3	700.5
85°	113.4	120.6	158.4	319.8	790.7	1358.9	1389.5	982.5	699.1	411.3
87.5°	33.4	40.7	52.3	101.7	309.6	305.2	312.5	194.8	276.1	207.8
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°
2783.3	0°	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3	2783.3
2805.1	2.5°	2796.4	2792.0	2776.0	2768.8	2760.0	2758.6	2765.9	2767.3	2768.8	2770.2
2837.1	5°	2822.5	2808.0	2793.5	2784.7	2787.7	2789.1	2803.6	2813.8	2821.1	2826.9
2896.7	7.5°	2873.4	2861.8	2837.1	2835.6	2840.0	2853.1	2872.0	2895.2	2908.3	2918.5
2973.7	10°	2949.0	2927.2	2898.1	2902.5	2911.2	2930.1	2969.3	2988.2	3010.0	3028.9
3068.2	12.5°	3026.0	3007.1	2973.7	2976.6	2991.1	3024.6	3062.4	3085.6	3100.1	3114.7
3169.9	15°	3126.3	3092.9	3056.5	3056.5	3082.7	3119.0	3136.5	3155.4	3164.1	3180.1
3278.9	17.5°	3229.5	3185.9	3137.9	3135.0	3167.0	3184.4	3194.6	3197.5	3200.4	3217.9
3385.0	20°	3332.7	3284.7	3216.4	3210.6	3217.9	3215.0	3213.5	3210.6	3215.0	3236.8
3494.0	22.5°	3434.4	3379.2	3284.7	3258.6	3238.2	3210.6	3209.1	3207.7	3210.6	3232.4
3611.7	25°	3553.6	3486.7	3360.3	3281.8	3213.5	3175.7	3180.1	3181.5	3184.4	3201.9
3733.8	27.5°	3683.0	3608.8	3430.1	3274.5	3151.0	3124.8	3117.6	3121.9	3132.1	3159.7
3855.9	30°	3812.3	3725.1	3494.0	3245.5	3072.5	3036.2	3012.9	3023.1	3055.1	3082.7
3962.0	32.5°	3930.0	3842.8	3544.9	3181.5	2972.2	2915.6	2885.0	2898.1	2930.1	2940.3
4079.7	35°	4068.1	3969.3	3566.7	3079.8	2863.2	2776.0	2735.3	2716.4	2732.4	2722.3
4217.8	37.5°	4222.2	4119.0	3563.8	2946.1	2735.3	2635.0	2578.4	2507.1	2473.7	2438.8
4421.3	40°	4450.4	4302.1	3528.9	2784.7	2576.9	2485.3	2383.6	2263.0	2187.4	2119.1
4749.8	42.5°	4761.4	4556.5	3464.9	2607.4	2398.1	2312.4	2174.3	2033.3	1914.2	1800.8
5248.3	45°	5225.0	4889.3	3385.0	2418.5	2204.8	2120.5	1970.8	1812.4	1677.2	1531.9
5956.1	47.5°	5893.6	5336.9	3309.4	2203.4	2001.4	1924.3	1789.2	1642.4	1482.5	1341.5
6979.3	50°	6812.2	5979.4	3239.7	1994.1	1800.8	1742.6	1635.1	1485.4	1324.1	1210.7
8178.4	52.5°	7980.7	6852.9	3210.6	1792.1	1613.3	1591.5	1505.7	1366.2	1213.6	1117.7
9576.6	55°	9322.2	7897.9	3210.6	1598.8	1449.1	1456.3	1396.7	1267.4	1135.1	1049.4
11018.4	57.5°	10691.3	8956.0	3152.5	1420.0	1309.5	1340.1	1302.3	1188.9	1069.7	981.1
12534.3	60°	11952.9	9842.5	2917.0	1257.2	1186.0	1234.0	1209.2	1111.9	966.5	892.4
13801.7	62.5°	12922.3	10342.5	2463.5	1127.9	1084.2	1139.5	1126.4	1010.1	947.6	917.1
14842.3	65°	13407.8	10261.1	1883.6	1013.0	998.5	1084.2	1056.6	1052.3	1002.9	968.0
15180.9	67.5°	13109.8	9560.6	1366.2	928.7	949.1	1033.4	1139.5	1156.9	1065.4	997.0
14227.5	70°	11803.2	8293.2	1017.4	848.8	886.6	1034.8	1299.4	1210.7	1045.0	965.1
11410.8	72.5°	8979.2	6184.3	789.2	764.5	805.2	1042.1	1370.6	1186.0	986.9	1066.8
7108.7	75°	5134.9	3395.2	633.7	661.3	703.5	973.8	1334.2	1122.0	941.8	979.6
2816.7	77.5°	1957.8	1305.2	523.2	559.6	565.4	850.2	1276.1	1117.7	896.8	875.0
844.4	80°	678.7	510.1	433.1	444.7	437.5	755.8	1223.8	972.3	734.0	656.9
348.8	82.5°	277.6	254.3	343.0	328.5	311.0	587.2	988.3	795.0	600.3	530.5
168.6	85°	120.6	161.3	226.7	199.1	180.2	407.0	792.1	672.9	507.2	437.5
55.2	87.5°	24.7	61.0	95.9	90.1	93.0	271.8	562.5	478.2	359.0	268.9
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°  
2783.3  
2776.0  
2829.8  
2921.4  
3024.6  
3120.5  
3185.9  
3223.7  
3245.5  
3246.9  
3225.1  
3187.3  
3113.2  
2976.6  
2754.2  
2460.6  
2123.4  
1790.6  
1514.5  
1325.5  
1203.4  
1110.4  
1040.6  
966.5  
880.8  
906.9  
956.3  
985.4  
952.0  
*1058.1*  
979.6  
797.9  
635.1  
524.7  
436.0  
210.7  
0.0

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