

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: P952515

Luminaire Tested: **GALN-SB6B-830-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952515
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-SB6B-830-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30623 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

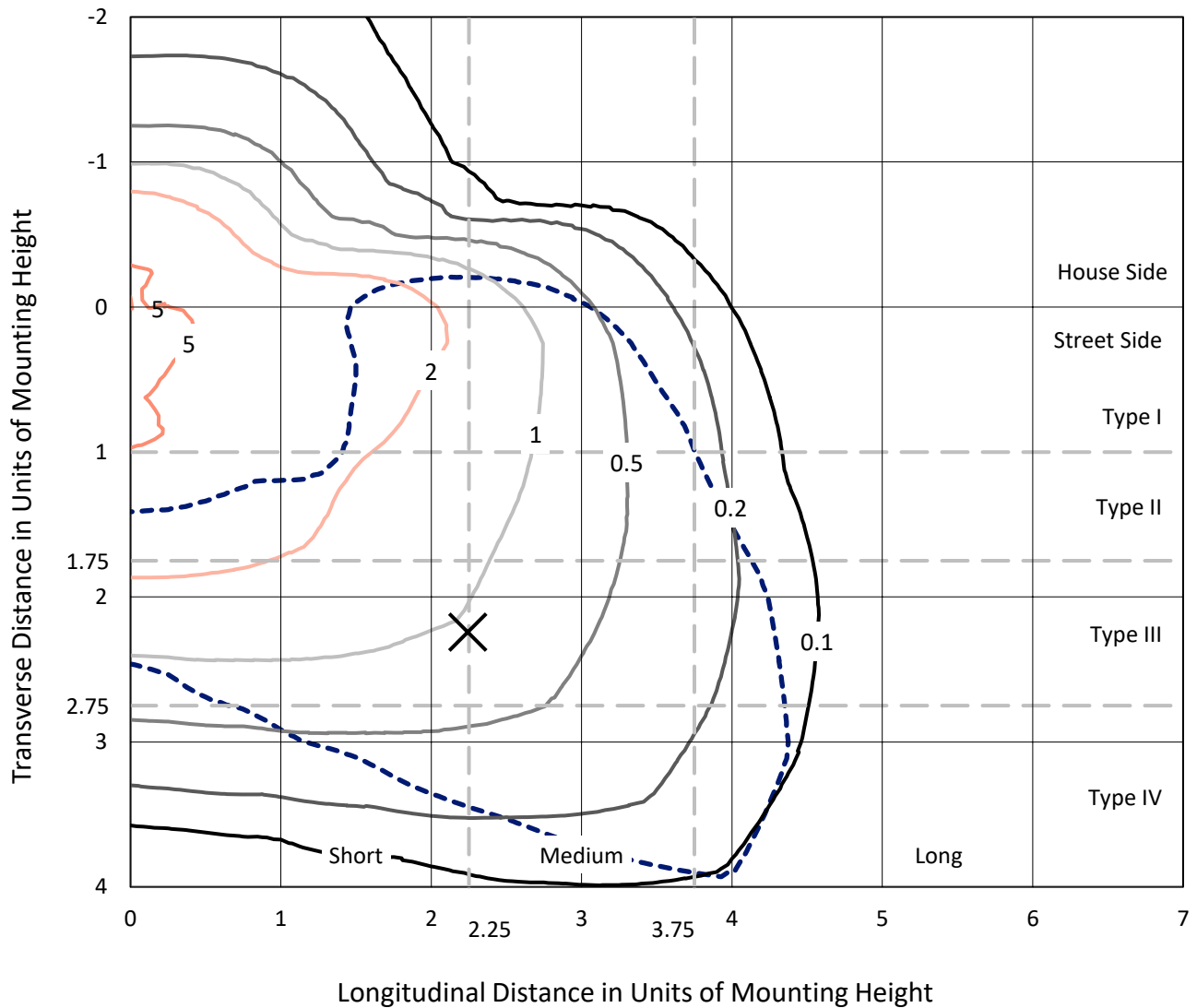
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

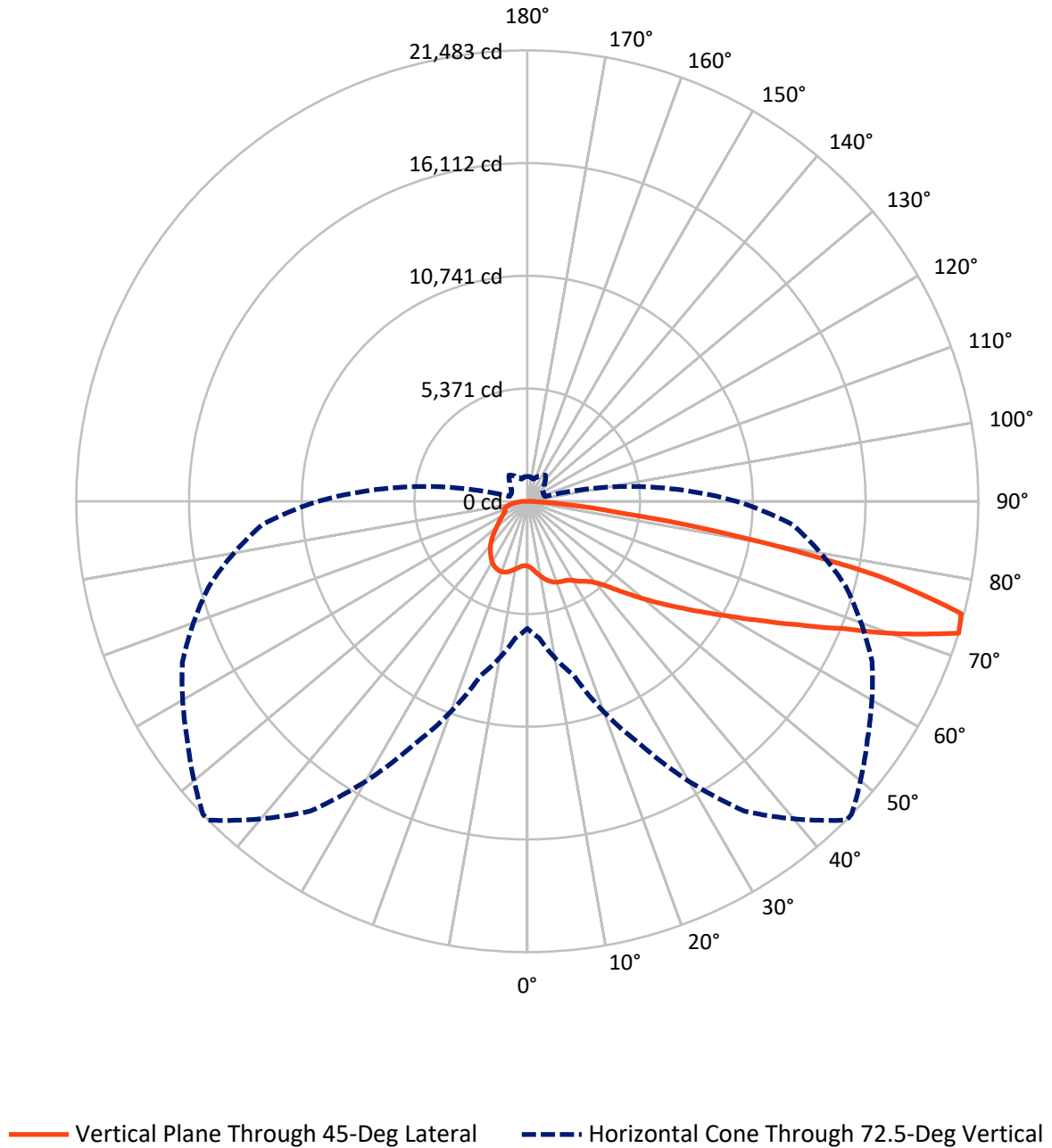
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6922.8	0.0	6922.8
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	23700.2	0.0	23700.2
	% Fixture	77.4	0.0	77.4
Total	Lumens	30623.0	0.0	30623.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.4	1.0
10°-20°	1048.3	3.4
20°-30°	1823.6	6.0
30°-40°	2614.3	8.5
40°-50°	3681.1	12.0
50°-60°	5638.3	18.4
60°-70°	8167.9	26.7
70°-80°	6522.6	21.3
80°-90°	812.4	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°	30623.0	100.0
0°-180°	30623.0	100.0



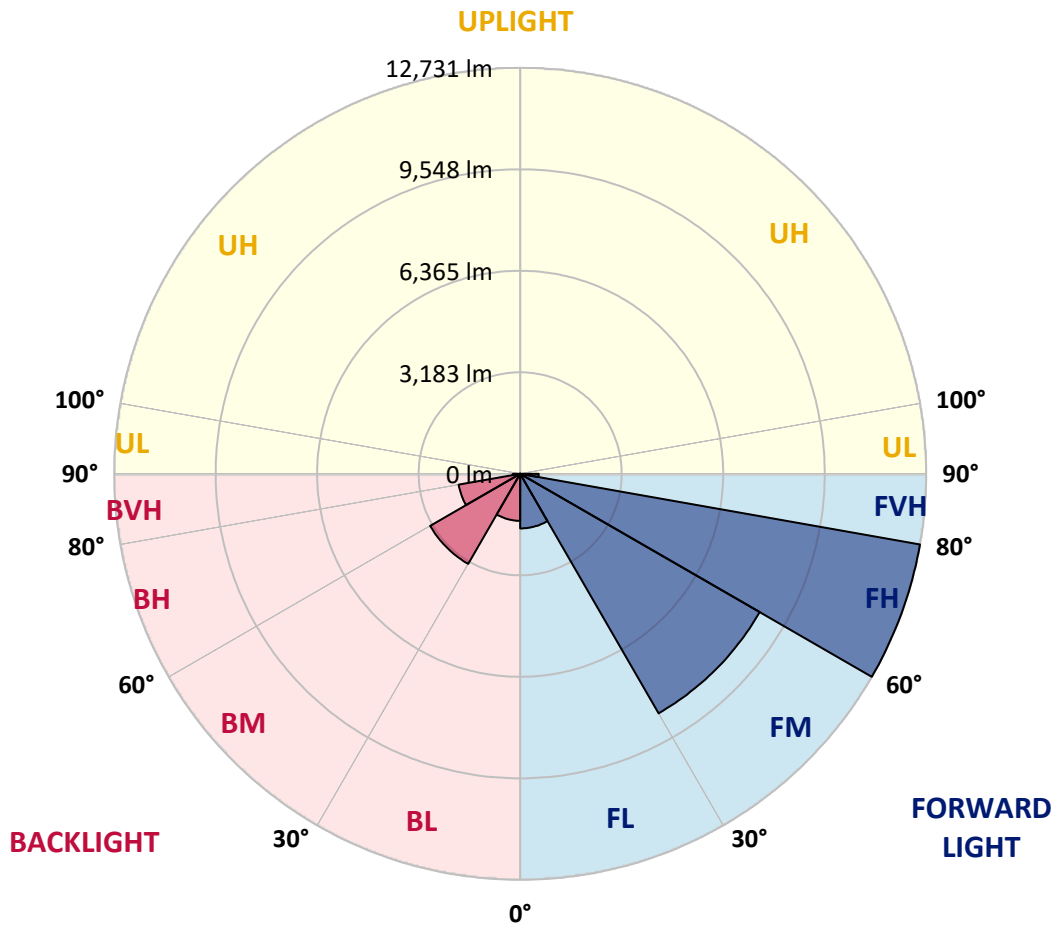
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1712.5	5.6			
FM (30°-60°)	8674.0	28.3			
FH (60°-80°)	12730.9	41.6			G5
FVH (80°-90°)	582.8	1.9			G4/750
BL (0°-30°)	1473.9	4.8	B3/2500		
BM (30°-60°)	3259.7	10.6	B3/5000		
BH (60°-80°)	1959.7	6.4	B3/2500		G3/2500
BVH (80°-90°)	229.6	0.7			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3
2.5°	3210.3	3231.2	3211.9	3194.1	3186.1	3165.1	3163.5	3150.6	3142.5	3119.9
5°	3434.5	3461.9	3429.6	3394.2	3361.9	3310.3	3303.8	3266.7	3224.8	3176.4
7.5°	3687.8	3712.0	3674.9	3621.6	3565.2	3479.7	3478.0	3410.3	3344.1	3261.9
10°	3908.8	3941.0	3891.0	3818.4	3747.4	3650.7	3639.4	3561.9	3478.0	3371.6
12.5°	4104.0	4126.5	4078.2	3989.4	3907.2	3810.4	3795.8	3710.3	3616.8	3495.8
15°	4258.8	4287.9	4223.3	4128.2	4041.0	3945.9	3933.0	3855.5	3762.0	3634.5
17.5°	4360.5	4384.7	4318.5	4212.0	4128.2	4049.1	4039.4	3974.9	3892.6	3763.6
20°	4399.2	4425.0	4355.6	4247.5	4170.1	4108.8	4104.0	4057.2	4000.7	3883.0
22.5°	4437.9	4462.1	4371.8	4258.8	4191.1	4152.4	4150.7	4120.1	4097.5	4000.7
25°	4594.4	4600.8	4479.8	4316.9	4220.1	4186.2	4184.6	4183.0	4192.7	4116.9
27.5°	4729.9	4728.3	4625.0	4471.8	4321.7	4250.8	4249.2	4265.3	4295.9	4233.0
30°	4928.3	4910.6	4788.0	4628.3	4491.1	4381.4	4371.8	4357.2	4381.4	4331.4
32.5°	5349.3	5292.9	5094.5	4810.5	4631.5	4547.6	4534.7	4444.3	4454.0	4423.4
35°	5952.7	5878.5	5613.9	5155.8	4805.7	4686.3	4679.9	4565.3	4546.0	4518.6
37.5°	6670.6	6578.6	6270.5	5655.9	5105.8	4847.6	4838.0	4734.7	4655.7	4626.6
40°	7391.7	7275.5	7020.6	6265.6	5547.8	5117.0	5086.4	4929.9	4839.6	4791.2
42.5°	8091.8	7995.0	7777.2	6949.6	6093.0	5510.7	5442.9	5175.1	5107.4	5062.2
45°	8711.2	8624.1	8464.4	7680.4	6731.9	6046.2	5980.1	5542.9	5522.0	5522.0
47.5°	9214.6	9195.2	9025.8	8425.7	7485.2	6656.0	6541.5	6054.3	6110.8	6197.9
50°	9772.7	9719.5	9538.8	9159.7	8370.9	7354.5	7261.0	6681.8	6893.2	7131.9
52.5°	10285.7	10314.8	10113.1	9924.4	9371.0	8133.7	7969.2	7422.3	7878.8	8274.1
55°	10813.2	10814.8	10758.4	10732.6	10419.6	8995.2	8814.5	8312.8	9038.7	9529.1
57.5°	11308.5	11311.7	11395.6	11623.1	11636.0	9988.9	9784.0	9406.5	10327.7	10827.8
60°	11750.5	11773.1	12002.2	12534.5	12705.5	11127.8	10934.2	10698.7	11660.2	12163.5
62.5°	11898.9	11981.2	12491.0	13247.5	13762.1	12524.8	12334.5	12194.1	13060.4	13528.2
65°	11647.3	11836.0	12821.7	13836.4	14849.4	14184.8	13996.1	13842.8	14515.5	14955.9
67.5°	11029.4	11273.0	12802.3	14454.2	16169.0	16181.9	16006.1	15646.4	16075.5	16244.9
70°	9401.7	9766.3	11674.7	14684.9	17683.8	18913.1	18743.7	17817.7	17632.2	16812.7
72.5°	6057.5	6548.0	8596.7	12786.2	18021.0	21482.9	21473.2	19777.7	18124.2	15709.3
75°	2210.1	2510.1	3994.3	8025.6	15126.9	21352.2	21415.1	19442.2	16544.9	12134.4
77.5°	805.0	880.8	1303.5	3084.4	9303.3	17132.1	17262.8	15543.1	11776.3	6089.8
80°	422.7	464.6	667.9	1197.0	3986.2	10174.4	10379.3	9237.1	5534.9	1834.2
82.5°	233.9	253.3	374.3	650.1	1795.5	4350.8	4473.4	3649.0	1947.1	777.6
85°	125.8	133.9	175.8	354.9	877.6	1508.3	1542.2	1090.5	775.9	456.5
87.5°	37.1	45.2	58.1	112.9	343.6	338.8	346.8	216.2	306.5	230.7
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°
3089.3	0°	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3	3089.3
3113.5	2.5°	3103.8	3098.9	3081.2	3073.1	3063.5	3061.8	3069.9	3071.5	3073.1	3074.7
3149.0	5°	3132.8	3116.7	3100.6	3090.9	3094.1	3095.7	3111.8	3123.1	3131.2	3137.7
3215.1	7.5°	3189.3	3176.4	3149.0	3147.3	3152.2	3166.7	3187.7	3213.5	3228.0	3239.3
3300.6	10°	3273.2	3249.0	3216.7	3221.5	3231.2	3252.2	3295.8	3316.7	3340.9	3361.9
3405.5	12.5°	3358.7	3337.7	3300.6	3303.8	3320.0	3357.1	3399.0	3424.8	3440.9	3457.1
3518.4	15°	3470.0	3432.9	3392.5	3392.5	3421.6	3461.9	3481.3	3502.2	3511.9	3529.7
3639.4	17.5°	3584.5	3536.1	3482.9	3479.7	3515.1	3534.5	3545.8	3549.0	3552.3	3571.6
3757.1	20°	3699.1	3645.8	3570.0	3563.5	3571.6	3568.4	3566.8	3563.5	3568.4	3592.6
3878.1	22.5°	3812.0	3750.7	3645.8	3616.8	3594.2	3563.5	3561.9	3560.3	3563.5	3587.7
4008.8	25°	3944.3	3870.1	3729.7	3642.6	3566.8	3524.8	3529.7	3531.3	3534.5	3553.9
4144.3	27.5°	4087.8	4005.6	3807.1	3634.5	3497.4	3468.4	3460.3	3465.1	3476.4	3507.1
4279.8	30°	4231.4	4134.6	3878.1	3602.3	3410.3	3370.0	3344.1	3355.4	3390.9	3421.6
4397.6	32.5°	4362.1	4265.3	3934.6	3531.3	3299.0	3236.1	3202.2	3216.7	3252.2	3263.5
4528.2	35°	4515.3	4405.6	3958.8	3418.4	3178.0	3081.2	3036.0	3015.1	3032.8	3021.5
4681.5	37.5°	4686.3	4571.8	3955.5	3269.9	3036.0	2924.7	2861.8	2782.8	2745.7	2706.9
4907.3	40°	4939.6	4775.1	3916.8	3090.9	2860.2	2758.6	2645.6	2511.7	2427.9	2352.0
5271.9	42.5°	5284.8	5057.4	3845.9	2894.1	2661.8	2566.6	2413.3	2256.9	2124.6	1998.7
5825.2	45°	5799.4	5426.8	3757.1	2684.4	2447.2	2353.6	2187.5	2011.7	1861.6	1700.3
6610.9	47.5°	6541.5	5923.6	3673.2	2445.6	2221.4	2135.9	1985.8	1822.9	1645.5	1489.0
7746.6	50°	7561.0	6636.7	3595.8	2213.3	1998.7	1934.2	1814.8	1648.7	1469.6	1343.8
9077.4	52.5°	8858.0	7606.2	3563.5	1989.1	1790.6	1766.4	1671.3	1516.4	1347.0	1240.5
10629.3	55°	10347.0	8766.1	3563.5	1774.5	1608.4	1616.4	1550.3	1406.7	1259.9	1164.7
12229.6	57.5°	11866.6	9940.5	3499.0	1576.1	1453.5	1487.4	1445.4	1319.6	1187.3	1088.9
13912.2	60°	13266.9	10924.5	3237.7	1395.4	1316.4	1369.6	1342.2	1234.1	1072.8	990.5
15318.9	62.5°	14342.9	11479.5	2734.4	1251.8	1203.4	1264.7	1250.2	1121.2	1051.8	1017.9
16473.9	65°	14881.7	11389.1	2090.7	1124.4	1108.3	1203.4	1172.8	1168.0	1113.1	1074.4
16849.8	67.5°	14551.0	10611.6	1516.4	1030.8	1053.4	1147.0	1264.7	1284.1	1182.5	1106.7
15791.5	70°	13100.7	9204.9	1129.2	942.1	984.0	1148.6	1442.2	1343.8	1159.9	1071.2
12665.2	72.5°	9966.3	6864.1	876.0	848.5	893.7	1156.7	1521.2	1316.4	1095.4	1184.1
7890.1	75°	5699.4	3768.4	703.4	734.0	780.8	1080.8	1480.9	1245.4	1045.3	1087.3
3126.4	77.5°	2173.0	1448.6	580.7	621.1	627.5	943.7	1416.4	1240.5	995.3	971.1
937.3	80°	753.4	566.2	480.7	493.6	485.6	838.9	1358.3	1079.2	814.7	729.2
387.2	82.5°	308.1	282.3	380.7	364.6	345.2	651.7	1097.0	882.4	666.2	588.8
187.1	85°	133.9	179.1	251.7	221.0	200.0	451.7	879.2	746.9	563.0	485.6
61.3	87.5°	27.4	67.8	106.5	100.0	103.2	301.7	624.3	530.7	398.5	298.4
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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180°
3089.3
3081.2
3140.9
3242.5
3357.1
3463.5
3536.1
3578.1
3602.3
3603.9
3579.7
3537.7
3455.5
3303.8
3057.0
2731.1
2356.9
1987.5
1680.9
1471.2
1335.7
1232.5
1155.0
1072.8
977.6
1006.6
1061.5
1093.7
1056.6
1174.4
1087.3
885.6
705.0
582.4
484.0
233.9
0.0

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