

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: P942592

Luminaire Tested: **GALN-SB6C-935-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-935-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31317 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

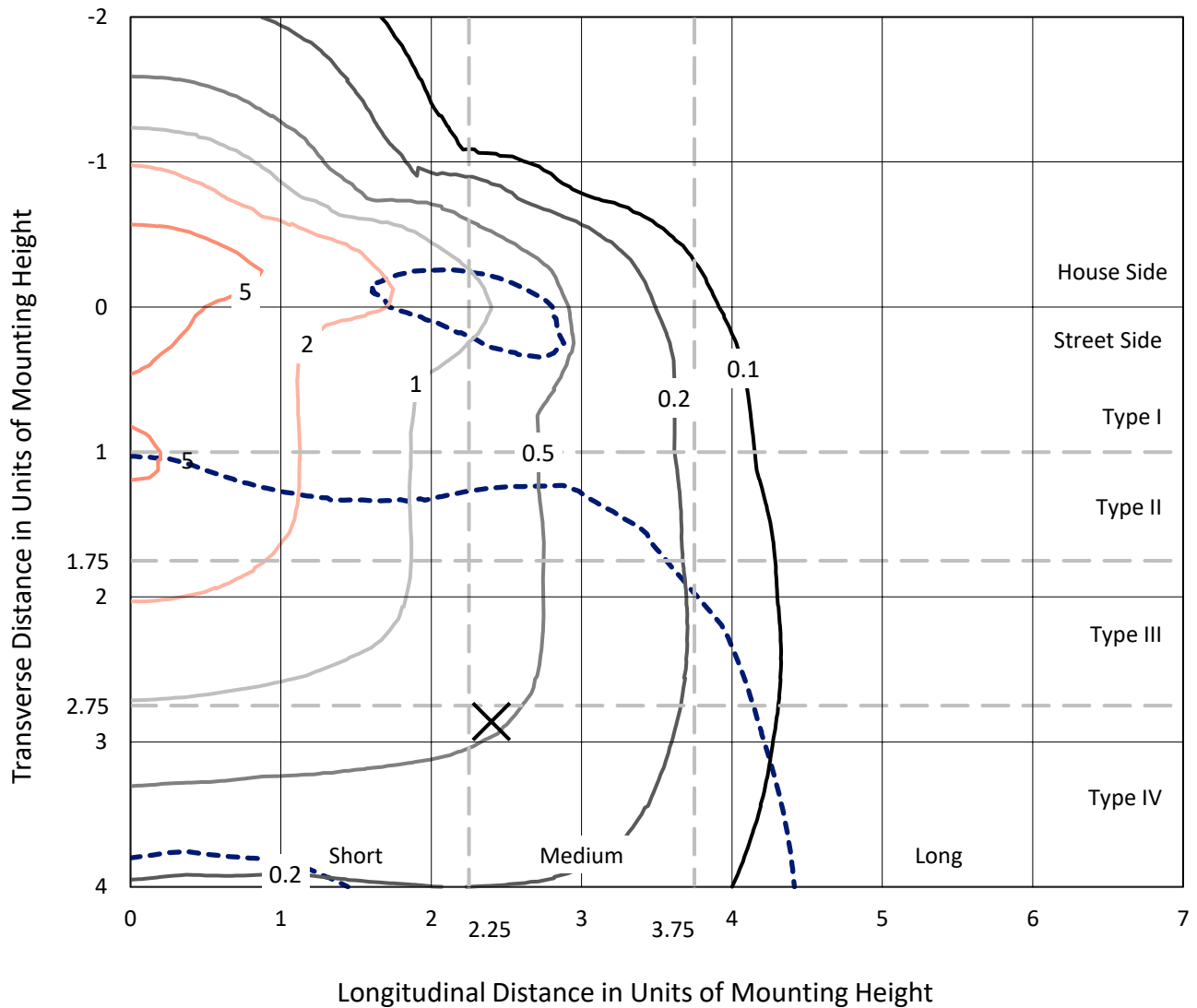
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

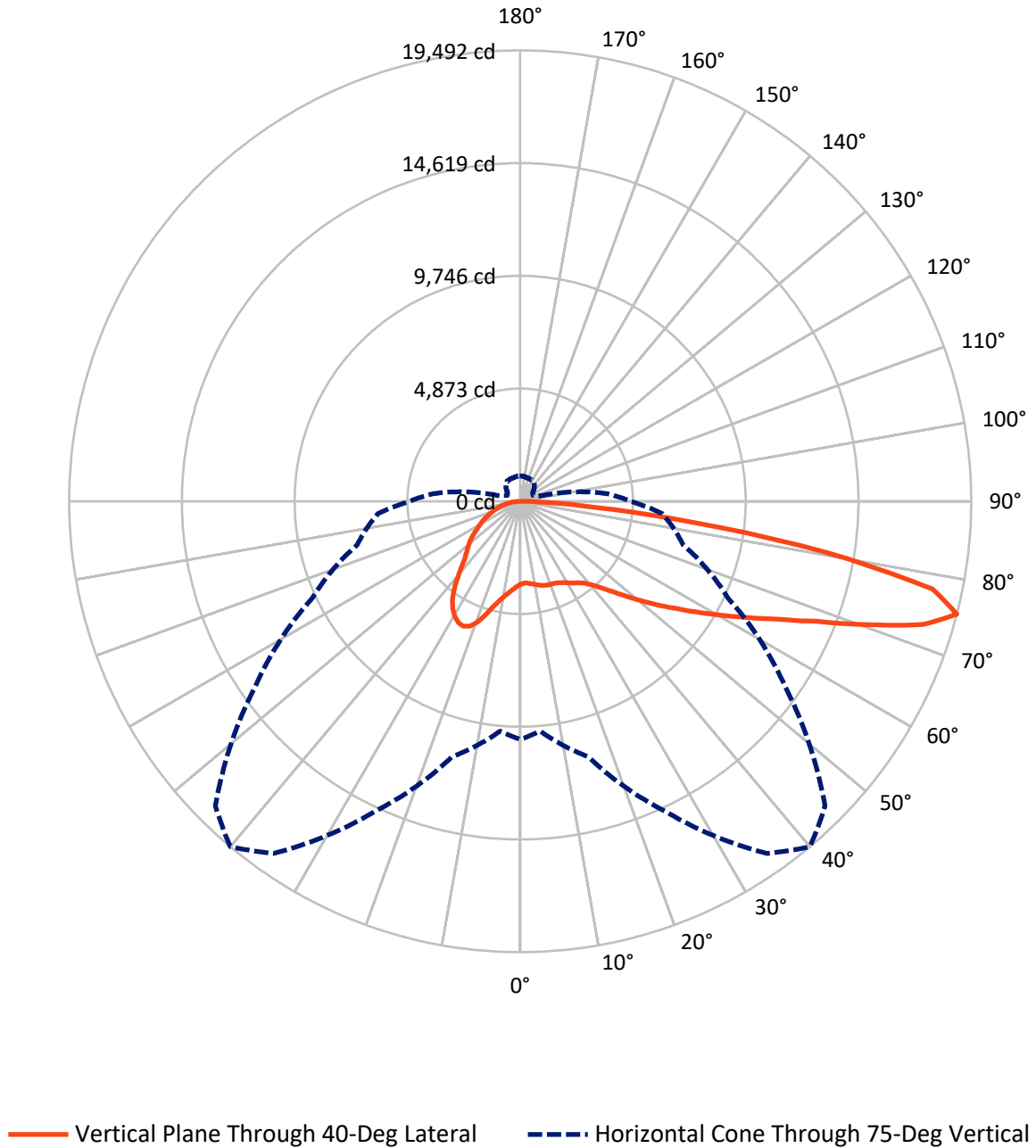
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9703.1	0.0	9703.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	21613.9	0.0	21613.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	31317.0	0.0	31317.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	1.1
10°-20°	1200.2	3.8
20°-30°	2191.4	7.0
30°-40°	3108.0	9.9
40°-50°	4196.8	13.4
50°-60°	5645.8	18.0
60°-70°	7165.8	22.9
70°-80°	6503.4	20.8
80°-90°	948.0	3.0
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°	31317.0	100.0
0°-180°	31317.0	100.0

Coefficient of Utilization



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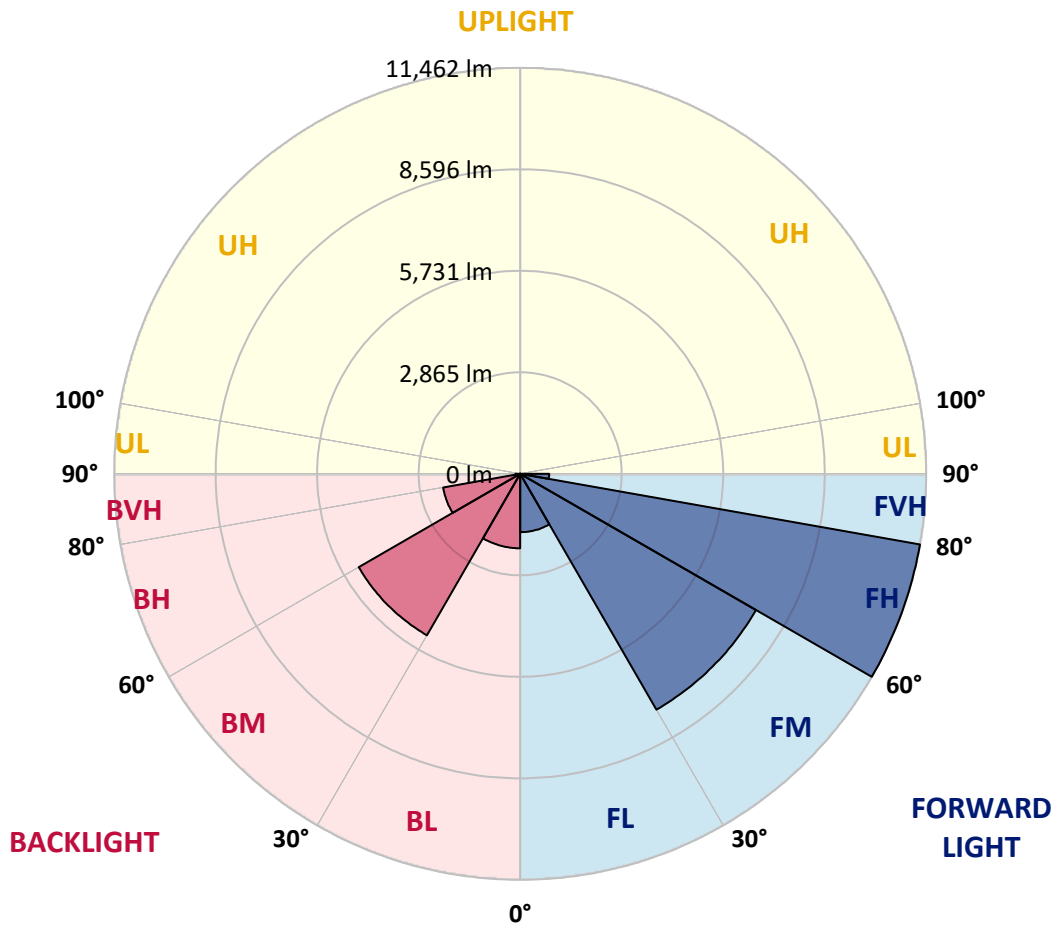
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1647.3	5.3			
FM (30°-60°)	7687.6	24.5			
FH (60°-80°)	11461.5	36.6			G4/12000
FVH (80°-90°)	817.5	2.6			G5
BL (0°-30°)	2101.8	6.7	B3/2500		
BM (30°-60°)	5263.0	16.8	B4/8500		
BH (60°-80°)	2207.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	130.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1
2.5°	3526.3	3546.3	3541.3	3534.6	3534.6	3536.3	3534.6	3546.3	3557.9	3569.5
5°	3562.9	3582.8	3572.8	3564.5	3557.9	3556.2	3551.2	3549.6	3556.2	3571.2
7.5°	3634.3	3654.2	3639.3	3624.3	3611.0	3604.4	3597.8	3587.8	3582.8	3591.1
10°	3714.0	3734.0	3715.7	3689.1	3667.5	3659.2	3652.6	3642.6	3636.0	3640.9
12.5°	3793.8	3813.7	3788.8	3752.2	3724.0	3719.0	3710.7	3707.4	3705.7	3704.1
15°	3868.5	3885.1	3853.5	3810.4	3780.5	3772.2	3763.9	3768.8	3777.1	3787.1
17.5°	3926.6	3943.2	3896.7	3840.3	3812.0	3808.7	3803.7	3820.3	3843.6	3868.5
20°	3979.8	3996.4	3936.6	3860.2	3827.0	3827.0	3828.6	3863.5	3896.7	3933.3
22.5°	4054.5	4067.8	3994.7	3890.1	3841.9	3845.2	3858.5	3893.4	3934.9	3984.8
25°	4165.8	4175.8	4086.1	3946.6	3891.7	3901.7	3913.3	3930.0	3969.8	4028.0
27.5°	4345.2	4353.5	4235.6	4046.2	3963.2	3979.8	3996.4	3984.8	4003.0	4052.9
30°	4597.7	4602.7	4453.2	4202.4	4084.4	4092.7	4096.1	4047.9	4013.0	4052.9
32.5°	4896.7	4895.0	4717.3	4391.7	4222.3	4214.0	4185.7	4091.1	4009.7	4044.6
35°	5360.1	5341.8	5112.6	4657.5	4378.4	4326.9	4260.5	4139.2	4026.3	4036.3
37.5°	6127.5	6071.0	5753.7	5092.7	4611.0	4479.7	4381.7	4217.3	4062.8	4032.9
40°	6992.9	6921.4	6572.6	5689.0	4959.8	4748.8	4591.0	4328.6	4122.6	4047.9
42.5°	8019.4	7918.0	7542.7	6391.6	5401.6	5096.0	4858.5	4469.8	4210.7	4096.1
45°	9280.1	9145.5	8614.0	7183.9	5958.0	5551.1	5233.8	4684.1	4345.2	4189.1
47.5°	10554.1	10587.3	9831.5	8090.8	6625.8	6112.5	5703.9	5006.3	4541.2	4338.6
50°	11907.8	11931.0	11042.4	9095.7	7383.2	6747.0	6232.1	5366.7	4813.6	4551.2
52.5°	12964.2	12967.5	12142.0	10147.1	8172.2	7444.7	6801.8	5778.7	5129.2	4833.5
55°	13625.3	13617.0	12912.7	11142.1	9079.1	8177.2	7433.0	6247.1	5514.6	5165.7
57.5°	14105.3	14080.4	13444.2	11997.5	10045.8	9042.5	8147.3	6778.6	5969.7	5561.1
60°	14288.0	14273.1	13804.7	12736.6	11062.3	9999.3	8971.1	7373.2	6486.2	6027.8
62.5°	14357.8	14386.0	14158.5	13452.5	12150.3	11059.0	9876.4	8084.1	7067.6	6556.0
65°	14603.6	14655.1	14608.6	14389.3	13379.4	12299.8	11077.3	8929.6	7702.1	7122.4
67.5°	15090.3	15141.8	15161.7	15510.5	14881.0	13846.2	12575.5	9982.7	8444.6	7710.4
70°	15078.7	15063.7	15415.8	16402.5	16761.3	15987.2	14595.3	11278.3	9329.9	8198.8
72.5°	13724.9	13605.3	14437.5	16392.5	18325.9	18223.0	17061.9	12949.2	10094.0	8258.5
75°	10296.6	9977.7	11447.7	14773.0	18586.7	19492.0	18629.9	13985.7	9912.9	7296.8
77.5°	4403.3	4082.8	5815.2	10936.1	16635.0	18221.3	17191.5	12201.8	7913.1	4825.2
80°	1152.7	1151.1	1757.4	4958.1	11313.1	13455.9	11804.8	7879.8	4521.3	1724.1
82.5°	476.7	465.1	646.1	1928.4	5527.8	7551.0	6162.4	3514.7	1632.8	466.7
85°	177.7	176.1	313.9	666.1	1950.0	3114.4	2254.0	898.6	406.9	227.6
87.5°	49.8	48.2	68.1	230.9	475.0	720.9	385.4	147.8	114.6	89.7
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°
3581.1	0°	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1	3581.1
3587.8	2.5°	3592.8	3601.1	3616.0	3627.6	3642.6	3659.2	3682.5	3697.4	3712.4	3722.3
3596.1	5°	3607.7	3626.0	3664.2	3702.4	3747.2	3788.8	3836.9	3871.8	3900.1	3908.4
3626.0	7.5°	3640.9	3670.8	3735.6	3800.4	3871.8	3939.9	4009.7	4069.5	4117.6	4135.9
3679.1	10°	3699.1	3738.9	3830.3	3921.6	4016.3	4121.0	4210.7	4297.0	4365.1	4393.4
3742.3	12.5°	3772.2	3822.0	3941.6	4067.8	4199.0	4343.5	4459.8	4566.1	4650.8	4689.0
3830.3	15°	3866.8	3931.6	4084.4	4253.9	4446.5	4647.5	4795.3	4913.3	5007.9	5054.5
3921.6	17.5°	3969.8	4056.2	4248.9	4504.7	4780.4	5044.5	5217.2	5303.6	5401.6	5446.5
4006.4	20°	4069.5	4175.8	4451.5	4823.6	5190.7	5471.4	5610.9	5634.2	5640.8	5645.8
4086.1	22.5°	4172.5	4315.3	4705.6	5225.5	5619.2	5813.5	5833.5	5733.8	5594.3	5529.5
4164.2	25°	4285.4	4474.8	5037.8	5669.0	5987.9	6011.2	5858.4	5615.9	5351.8	5230.5
4227.3	27.5°	4395.0	4659.1	5436.5	6092.6	6253.7	6049.4	5720.5	5376.7	5057.8	4929.9
4272.1	30°	4504.7	4870.1	5876.7	6463.0	6375.0	5954.7	5502.9	5119.2	4798.7	4664.1
4312.0	32.5°	4616.0	5115.9	6383.3	6730.4	6353.4	5753.7	5232.2	4830.2	4547.8	4406.7
4346.9	35°	4742.2	5418.2	6863.3	6876.6	6208.9	5458.1	4875.1	4484.7	4238.9	4126.0
4388.4	37.5°	4906.6	5801.9	7286.9	6913.1	5956.4	5024.6	4431.6	4076.1	3873.5	3822.0
4449.8	40°	5110.9	6263.7	7610.8	6855.0	5582.7	4498.0	3946.6	3662.5	3547.9	3559.5
4532.9	42.5°	5376.7	6780.2	7838.3	6705.5	5062.8	3954.9	3521.3	3395.1	3449.9	3496.4
4657.5	45°	5722.2	7316.8	7979.5	6451.4	4474.8	3494.8	3270.5	3300.4	3342.0	3346.9
4858.5	47.5°	6164.0	7859.9	8072.5	6067.7	3875.1	3170.9	3111.1	3117.7	3109.4	3074.5
5159.1	50°	6715.5	8388.1	8155.6	5559.4	3365.2	2968.2	2888.5	2865.2	2750.6	2637.7
5559.4	52.5°	7343.3	8873.1	8190.4	4928.2	2968.2	2798.8	2669.2	2523.1	2308.8	2273.9
6062.7	55°	8041.0	9321.6	8100.8	4152.5	2634.4	2581.2	2385.2	2209.1	2185.9	2156.0
6725.4	57.5°	8874.8	9805.0	7918.0	3287.1	2292.2	2327.1	2136.1	2156.0	2114.5	2068.0
7577.5	60°	9786.7	10304.9	7597.5	2498.2	1938.4	2009.8	2071.3	2069.6	2058.0	2019.8
8476.1	62.5°	10607.2	10633.8	6966.3	1913.5	1627.8	1764.0	1931.8	1930.1	1920.1	1898.5
9414.6	65°	11095.6	10584.0	5913.2	1506.5	1372.0	1561.4	1742.4	1755.7	1757.4	1755.7
10120.5	67.5°	11009.2	10000.9	4468.1	1199.3	1161.0	1355.4	1554.7	1573.0	1586.3	1589.6
10210.2	70°	10032.5	8720.3	2913.4	956.7	973.4	1174.3	1377.0	1395.2	1406.9	1420.2
8859.8	72.5°	7820.0	6411.5	1667.7	774.0	808.9	1018.2	1200.9	1222.5	1229.1	1254.1
6165.7	75°	4765.4	3770.5	900.3	609.6	664.4	870.4	1026.5	1051.4	1063.0	1092.9
3028.0	77.5°	2265.6	1632.8	513.3	475.0	534.8	710.9	867.0	895.3	863.7	880.3
835.5	80°	765.7	606.3	323.9	362.1	408.6	554.8	694.3	722.5	656.1	652.8
277.4	82.5°	267.4	245.8	206.0	240.8	264.1	397.0	524.9	561.4	488.3	486.7
124.6	85°	104.6	99.7	114.6	131.2	157.8	244.2	345.5	363.8	300.6	242.5
36.5	87.5°	21.6	23.3	28.2	29.9	48.2	84.7	124.6	152.8	121.3	103.0
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>
3581.1
3715.7
3911.7
4137.6
4395.0
4689.0
5051.1
5444.8
5659.1
5547.8
5248.8
4944.8
4679.1
4424.9
4150.9
3858.5
3599.4
3539.6
3380.2
3101.1
2652.6
2285.6
2161.0
2059.7
2006.5
1890.2
1755.7
1592.9
1426.8
1264.0
1096.3
867.0
646.1
463.4
239.2
94.7
0.0

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