

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: P942367

Luminaire Tested: **GALN-SB6B-830-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942367
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30704 lumens
Efficiency: N/A
Efficacy: 139.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

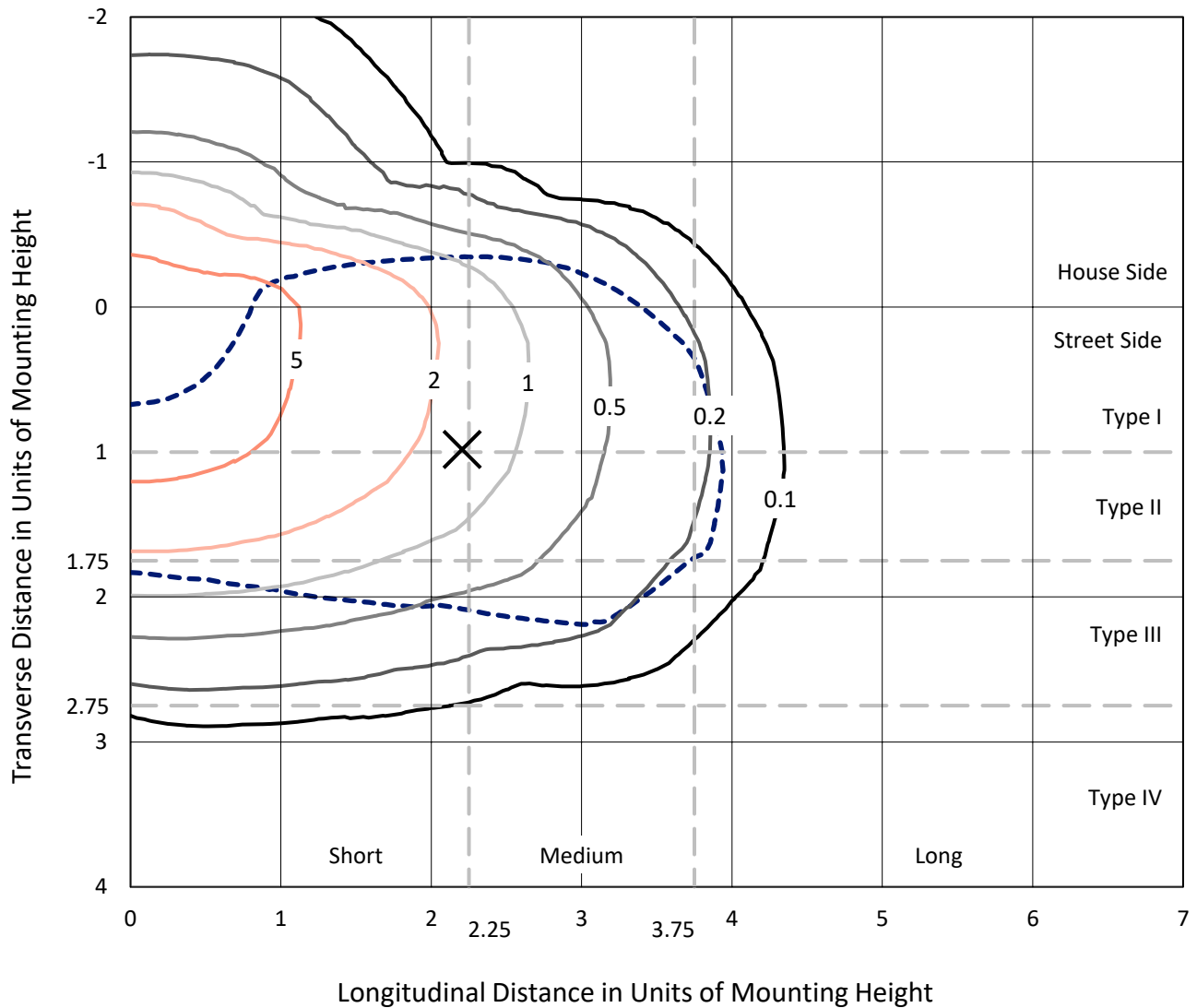
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

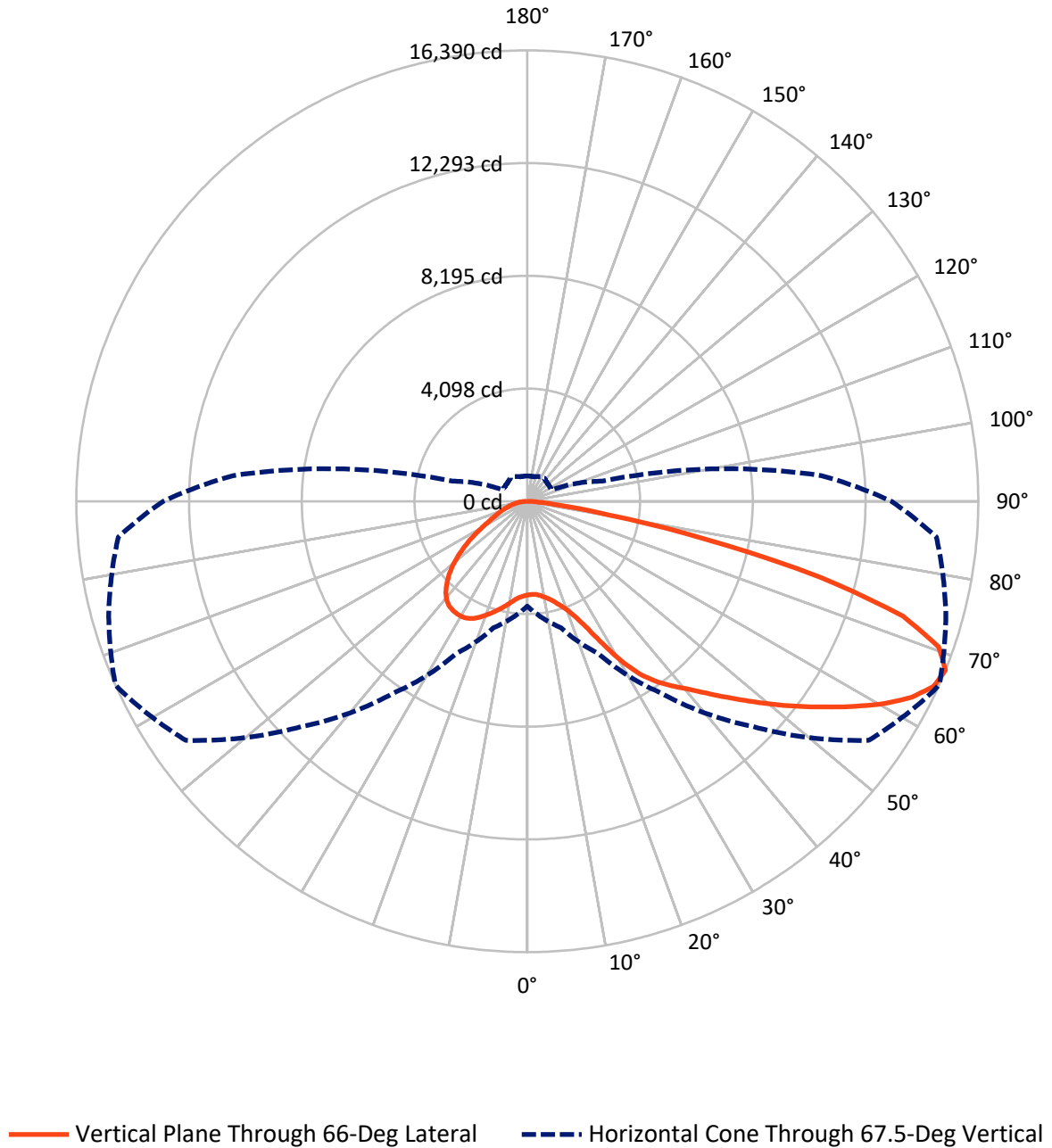
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7634.5	0.0	7634.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23069.5	0.0	23069.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	30704.0	0.0	30704.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	1.1
10°-20°	1115.5	3.6
20°-30°	2150.1	7.0
30°-40°	3769.9	12.3
40°-50°	5604.6	18.3
50°-60°	7104.4	23.1
60°-70°	6951.5	22.6
70°-80°	3315.9	10.8
80°-90°	354.4	1.2
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°	30704.0	100.0
0°-180°	30704.0	100.0

Coefficient of Utilization



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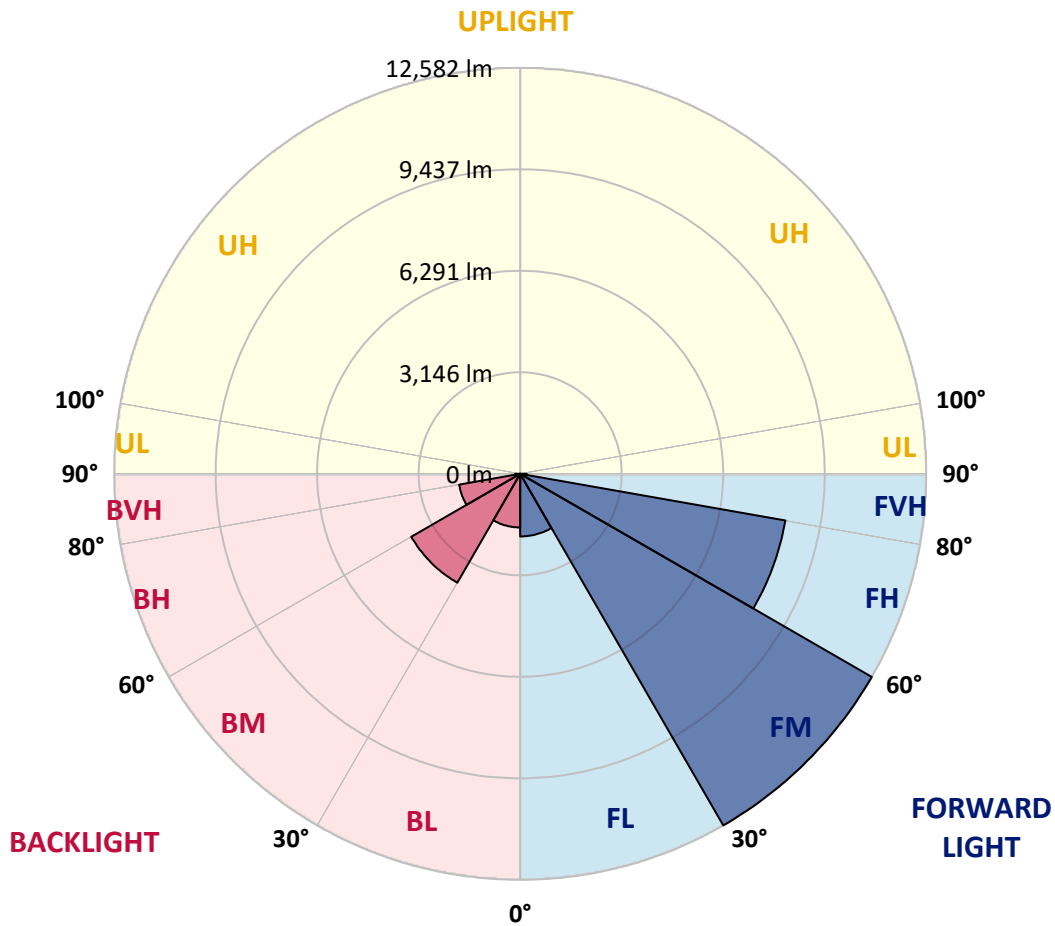
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1940.2	6.3			
FM (30°-60°)	12582.2	41.0			
FH (60°-80°)	8346.2	27.2			G4/12000
FVH (80°-90°)	200.9	0.7			G2/225
BL (0°-30°)	1663.1	5.4	B3/2500		
BM (30°-60°)	3896.7	12.7	B3/5000		
BH (60°-80°)	1921.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	153.5	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5
2.5°	3370.0	3389.3	3384.5	3376.4	3374.8	3378.1	3382.9	3387.7	3386.1	3394.2
5°	3360.3	3379.7	3378.1	3378.1	3384.5	3397.4	3405.5	3413.5	3405.5	3415.2
7.5°	3366.8	3381.3	3387.7	3394.2	3410.3	3434.5	3453.9	3471.6	3461.9	3473.2
10°	3449.0	3460.3	3466.8	3466.8	3478.1	3505.5	3524.9	3557.1	3549.1	3566.8
12.5°	3599.1	3610.4	3610.4	3603.9	3612.0	3629.7	3636.2	3671.7	3657.1	3686.2
15°	3783.0	3805.6	3787.8	3776.5	3779.7	3797.5	3795.9	3823.3	3808.8	3833.0
17.5°	3986.2	4015.3	3986.2	3984.6	3978.2	3997.5	3999.1	4023.3	3997.5	4015.3
20°	4226.6	4266.9	4242.7	4250.8	4236.3	4244.3	4252.4	4287.9	4247.6	4260.5
22.5°	4565.4	4613.8	4588.0	4618.6	4608.9	4602.5	4600.9	4663.8	4600.9	4605.7
25°	5059.0	5117.1	5071.9	5113.9	5113.9	5134.8	5159.0	5239.7	5134.8	5104.2
27.5°	5788.2	5846.3	5757.5	5783.3	5775.3	5826.9	5801.1	6001.1	5888.2	5838.2
30°	6665.8	6769.0	6601.2	6594.8	6586.7	6669.0	6706.1	6838.4	6723.8	6673.8
32.5°	7614.3	7722.4	7522.4	7464.3	7433.7	7483.7	7453.0	7559.5	7480.4	7403.0
35°	8617.8	8724.2	8533.9	8420.9	8298.3	8193.5	8083.8	8111.2	8037.0	7919.2
37.5°	9566.3	9761.5	9559.9	9438.9	9213.0	9008.1	8701.6	8574.2	8504.8	8396.7
40°	10532.6	10643.9	10490.7	10387.4	10142.2	9821.2	9330.8	9061.4	8967.8	8863.0
42.5°	11244.1	11350.5	11268.2	11197.3	11005.3	10632.6	9998.7	9661.5	9526.0	9408.2
45°	11808.7	11887.7	11836.1	11861.9	11779.6	11418.3	10690.7	10305.2	10164.8	10021.2
47.5°	12036.1	12120.0	12202.3	12355.6	12495.9	12229.7	11434.4	11002.1	10853.7	10706.9
50°	12010.3	12095.8	12334.6	12660.4	13096.0	13007.3	12218.4	11744.1	11607.0	11439.2
52.5°	11803.8	11900.6	12207.1	12749.2	13442.9	13589.7	13017.0	12510.4	12381.4	12181.3
55°	11261.8	11319.9	11779.6	12547.5	13525.1	13996.2	13799.4	13326.7	13197.6	12918.6
57.5°	10256.8	10340.7	11010.1	12003.9	13318.6	14272.0	14486.6	14184.9	14060.7	13659.0
60°	8945.2	9079.1	9845.4	11090.8	12792.7	14270.4	15110.9	15028.6	14925.4	14388.2
62.5°	7461.1	7615.9	8353.2	9800.2	11873.2	13865.5	15501.3	15735.2	15682.0	15060.9
65°	5730.1	5836.6	6570.6	8130.6	10442.3	12996.0	15546.5	16217.6	16227.2	15572.3
67.5°	3815.2	4121.7	4759.0	6101.1	8525.8	11574.8	15149.6	16296.6	16390.2	15748.1
70°	1861.6	2264.9	2889.3	3965.3	6101.1	9395.3	14112.3	15648.1	15856.2	15235.1
72.5°	772.7	903.4	1243.8	1956.8	3502.3	6339.9	12028.1	13889.7	14275.3	13499.3
75°	521.1	564.6	711.4	1003.4	1595.5	3126.4	8674.2	10356.8	10977.9	10195.5
77.5°	401.7	429.1	517.8	701.7	948.6	1182.5	4642.8	6241.5	6562.5	6075.3
80°	316.2	337.2	387.2	511.4	672.7	632.4	1582.6	2828.0	3013.5	2527.9
82.5°	274.2	282.3	277.5	346.8	446.9	369.4	519.5	1043.7	1151.8	835.6
85°	198.4	221.0	230.7	214.6	237.1	187.1	212.9	369.4	406.5	363.0
87.5°	80.7	119.4	146.8	138.7	87.1	53.2	66.1	108.1	124.2	135.5
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°
3405.5	0°	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5	3405.5
3407.1	2.5°	3408.7	3420.0	3428.1	3437.7	3444.2	3453.9	3473.2	3484.5	3486.1	3494.2
3432.9	5°	3439.4	3455.5	3473.2	3499.0	3528.1	3552.3	3589.4	3615.2	3624.9	3632.9
3495.8	7.5°	3505.5	3528.1	3560.3	3605.5	3647.5	3679.7	3724.9	3755.5	3786.2	3797.5
3595.8	10°	3603.9	3636.2	3683.0	3744.3	3789.4	3831.4	3878.1	3904.0	3934.6	3947.5
3715.2	12.5°	3726.5	3760.4	3821.7	3907.2	3949.1	3978.2	3994.3	3987.8	3994.3	4005.6
3858.8	15°	3866.9	3904.0	3973.3	4065.3	4094.3	4068.5	4033.0	4000.8	3995.9	3999.1
4033.0	17.5°	4033.0	4060.4	4141.1	4218.5	4197.6	4091.1	4013.7	3962.0	3936.2	3928.2
4255.6	20°	4265.3	4265.3	4331.5	4379.9	4239.5	4058.8	3937.8	3854.0	3800.7	3778.1
4558.9	22.5°	4547.6	4521.8	4563.8	4529.9	4231.4	3968.5	3800.7	3655.5	3574.9	3542.6
4983.2	25°	4905.8	4875.1	4863.8	4654.1	4173.4	3824.9	3552.3	3376.4	3305.5	3287.7
5594.6	27.5°	5446.2	5368.8	5222.0	4721.9	4066.9	3599.1	3261.9	3099.0	3058.6	3060.3
6380.2	30°	6165.7	6010.8	5651.1	4733.1	3892.7	3279.6	2965.1	2848.9	2829.6	2837.6
7040.0	32.5°	6831.9	6685.1	6089.9	4681.5	3624.9	2966.7	2698.9	2621.5	2592.4	2602.1
7543.4	35°	7354.6	7314.3	6496.4	4608.9	3295.8	2673.1	2460.1	2394.0	2337.5	2324.6
8017.6	37.5°	7848.3	7832.1	6801.3	4507.3	2969.9	2465.0	2268.2	2181.1	2098.8	2053.6
8541.9	40°	8390.3	8374.2	7001.3	4350.8	2681.1	2284.3	2095.6	1981.0	1879.4	1797.1
9135.6	42.5°	9000.1	8904.9	7096.5	4126.6	2435.9	2131.0	1955.2	1800.3	1666.4	1590.6
9806.7	45°	9666.3	9451.8	7094.9	3841.0	2229.5	1990.7	1805.2	1585.8	1461.6	1390.6
10495.5	47.5°	10372.9	9974.5	7007.8	3524.9	2029.4	1835.8	1572.9	1405.1	1322.8	1279.3
11244.1	50°	11102.1	10463.3	6859.4	3161.9	1824.5	1660.0	1427.7	1313.2	1250.2	1209.9
11986.1	52.5°	11787.7	10906.9	6680.3	2750.5	1616.4	1489.0	1363.2	1274.4	1208.3	1163.1
12705.6	55°	12424.9	11289.2	6427.0	2329.5	1447.0	1374.5	1332.5	1258.3	1182.5	1129.2
13436.4	57.5°	12991.2	11537.7	5989.8	1934.2	1326.1	1295.4	1300.2	1230.9	1143.8	1098.6
14155.9	60°	13462.2	11719.9	5342.9	1568.0	1227.7	1218.0	1250.2	1179.3	1077.6	1026.0
14764.1	62.5°	13744.5	11716.7	4549.2	1284.1	1143.8	1147.0	1184.1	1114.7	1011.5	963.1
15081.9	65°	13720.3	11429.6	3678.1	1098.6	1063.1	1066.3	1114.7	1043.7	956.6	927.6
14922.2	67.5°	13234.7	10729.4	2821.5	977.6	974.4	988.9	1045.4	995.3	922.8	919.5
13970.4	70°	11920.0	9275.9	2032.6	880.8	882.4	903.4	977.6	964.7	905.0	911.5
11745.8	72.5°	9558.2	7072.3	1364.8	779.2	780.8	814.7	913.1	940.5	887.3	972.8
8333.8	75°	6365.7	4410.5	877.6	671.1	672.7	716.3	856.6	893.7	838.9	969.5
4336.3	77.5°	3058.6	1982.6	635.6	564.6	564.6	605.0	740.5	800.2	714.7	753.4
1393.8	80°	1056.7	745.3	500.1	454.9	445.2	472.7	624.3	693.7	616.2	567.8
454.9	82.5°	416.2	387.2	401.7	353.3	321.0	338.8	485.6	572.7	453.3	409.8
256.5	85°	238.8	251.7	283.9	233.9	185.5	208.1	356.5	411.4	342.0	301.7
83.9	87.5°	64.5	88.7	130.7	121.0	83.9	88.7	169.4	227.5	196.8	151.6
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°
3405.5
3492.6
3631.3
3799.1
3954.0
4008.8
4010.4
3939.5
3773.3
3537.8
3290.9
3065.1
2865.1
2615.0
2334.3
2055.2
1805.2
1595.5
1387.4
1269.6
1195.4
1143.8
1108.3
1069.6
1003.4
948.6
926.0
924.4
909.8
985.7
977.6
690.5
532.4
408.1
308.1
156.5
0.0

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