

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: P943298

Luminaire Tested: **GALN-SB7C-950-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-950-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28053 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

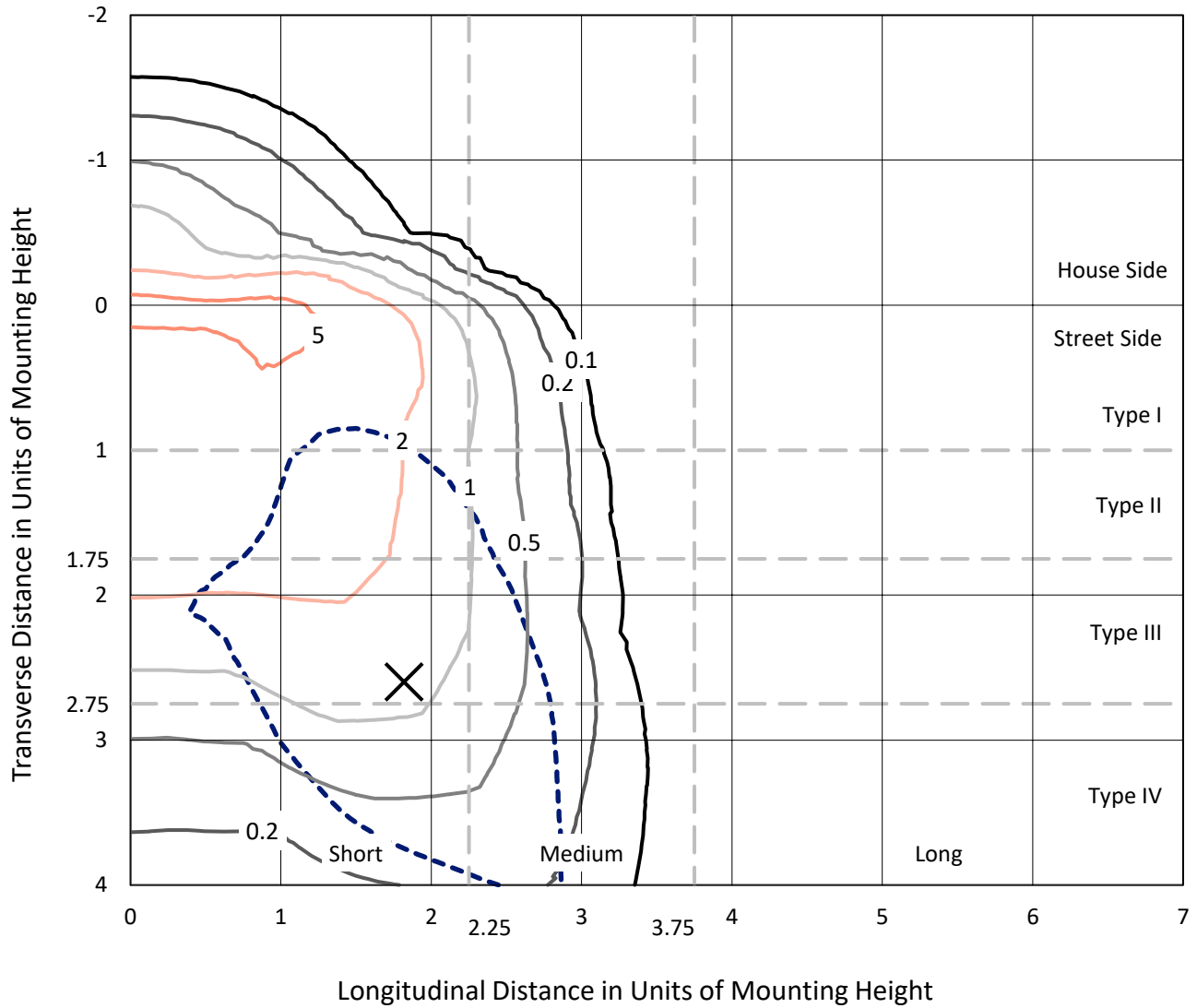
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

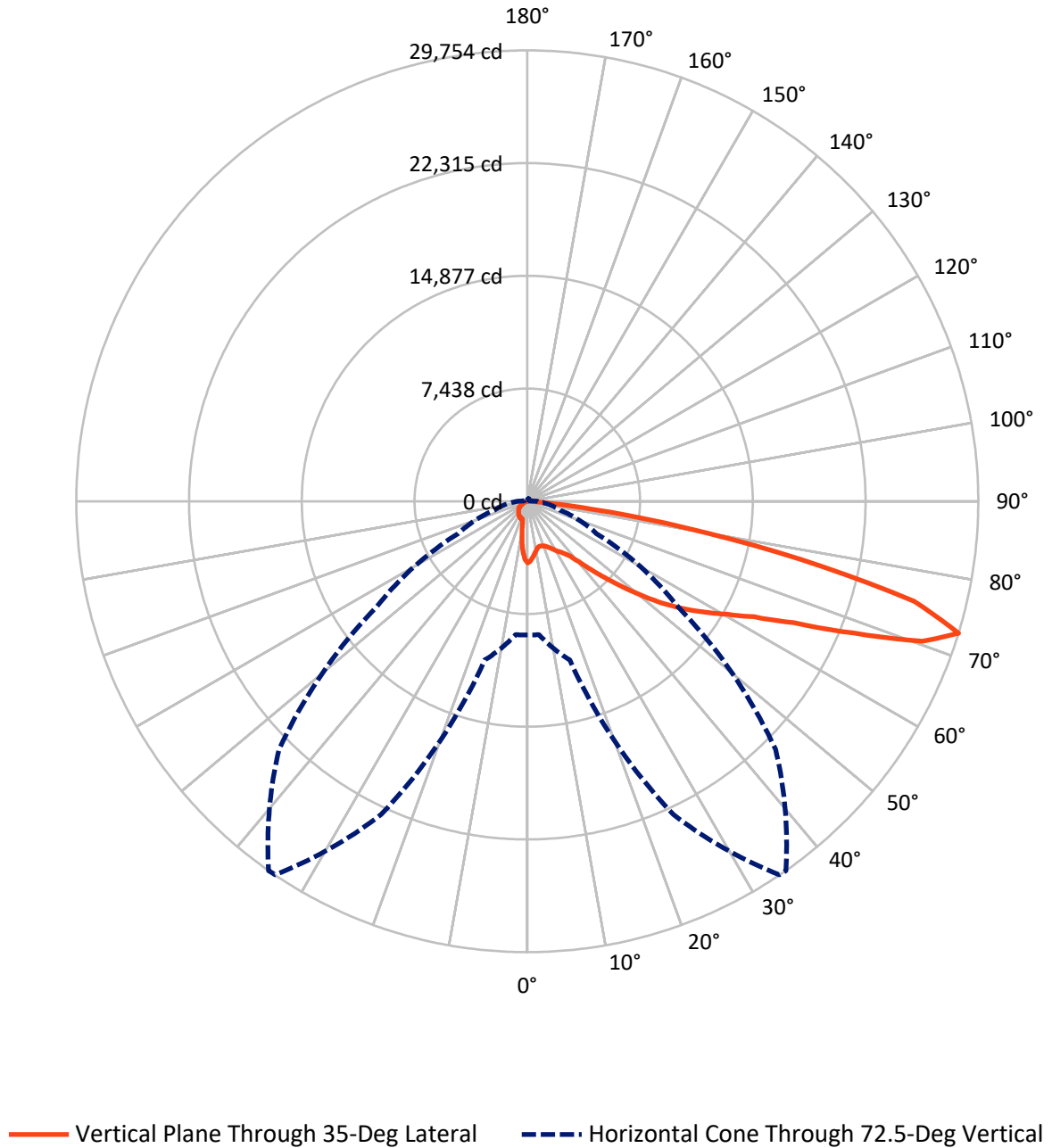
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	3157.2	0.0	3157.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24895.8	0.0	24895.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	28053.0	0.0	28053.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	1.2
10°-20°	781.6	2.8
20°-30°	1269.7	4.5
30°-40°	2118.4	7.6
40°-50°	4008.2	14.3
50°-60°	6368.9	22.7
60°-70°	7878.8	28.1
70°-80°	4897.5	17.5
80°-90°	395.8	1.4
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°	28053.0	100.0
0°-180°	28053.0	100.0

Coefficient of Utilization



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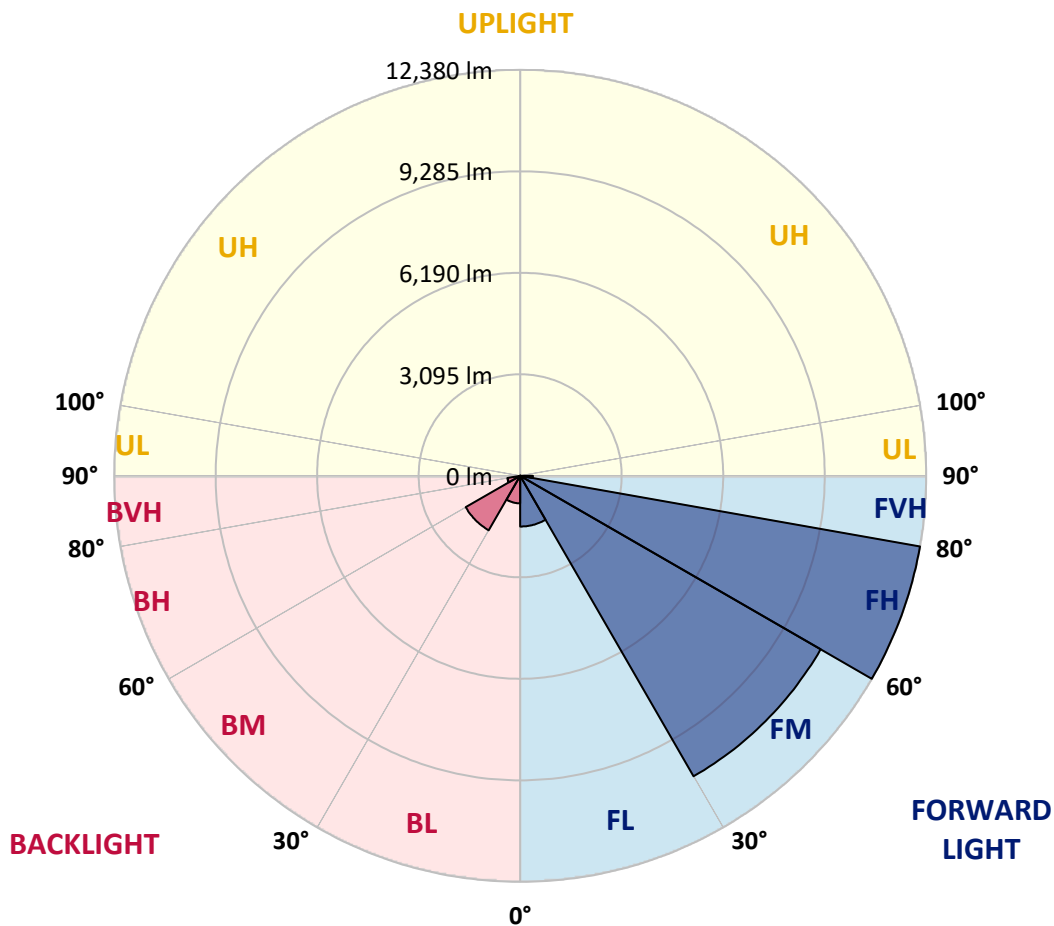
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1546.4	5.5			
FM (30°-60°)	10578.8	37.7			
FH (60°-80°)	12380.1	44.1			G5
FVH (80°-90°)	390.4	1.4			G3/500
BL (0°-30°)	838.9	3.0	B2/1000		
BM (30°-60°)	1916.7	6.8	B2/2500		
BH (60°-80°)	396.2	1.4	B1/500		G1/500
BVH (80°-90°)	5.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8
2.5°	3884.9	3917.8	3924.0	3934.3	3934.3	3946.6	3967.2	3995.9	4043.2	4067.9
5°	3580.7	3605.4	3636.2	3660.9	3708.2	3714.3	3794.5	3872.6	3981.5	4063.8
7.5°	3274.4	3303.2	3344.3	3403.9	3465.6	3484.1	3605.4	3736.9	3909.6	4063.8
10°	3058.6	3060.7	3097.7	3157.3	3255.9	3278.6	3426.6	3613.6	3829.4	4039.1
12.5°	2937.3	2951.7	2968.2	3013.4	3107.9	3122.3	3280.6	3500.6	3749.3	4024.7
15°	2937.3	2947.6	2957.9	2980.5	3056.6	3068.9	3208.7	3428.6	3708.2	4030.9
17.5°	2968.2	2984.6	2976.4	3003.1	3083.3	3091.5	3214.8	3408.1	3706.1	4069.9
20°	3042.2	3054.5	3038.1	3054.5	3134.7	3151.1	3278.6	3447.1	3741.0	4137.8
22.5°	3159.3	3165.5	3126.4	3138.8	3221.0	3241.6	3389.6	3558.1	3825.3	4246.7
25°	3307.3	3319.7	3260.1	3274.4	3352.6	3377.2	3547.8	3724.6	3958.9	4396.8
27.5°	3477.9	3484.1	3432.7	3430.7	3531.4	3566.3	3739.0	3930.2	4137.8	4585.9
30°	3673.2	3691.7	3642.4	3634.2	3761.6	3790.4	3961.0	4183.0	4400.9	4869.5
32.5°	3827.4	3841.8	3813.0	3833.5	3963.0	3985.7	4230.3	4540.6	4814.0	5272.4
35°	4049.4	4057.6	3991.8	4028.8	4176.8	4234.4	4598.2	5042.2	5334.1	5778.1
37.5°	4853.1	4853.1	4573.5	4390.6	4532.4	4583.8	5101.8	5673.2	5975.4	6456.4
40°	5965.1	5946.6	5537.6	5163.5	5145.0	5245.7	5819.2	6468.7	6803.8	7270.4
42.5°	7151.2	7122.4	6565.3	6195.3	6133.7	6168.6	6647.6	7449.2	7790.4	8263.2
45°	8203.6	8195.4	7685.6	7188.2	7077.2	7188.2	7681.5	8596.2	8840.8	9338.2
47.5°	9085.4	9085.4	8713.4	8388.6	8331.0	8396.8	9081.3	9868.6	9845.9	10483.2
50°	10100.8	10092.6	9739.1	9599.3	9658.9	9751.4	10692.8	11208.8	10886.0	11607.5
52.5°	10812.0	10861.4	10740.1	10717.5	11021.7	11182.0	12329.0	12520.2	11817.2	12674.3
55°	11375.3	11432.8	11572.6	11730.9	12316.7	12526.3	13913.8	13763.8	12596.2	13599.3
57.5°	12172.8	12090.6	12306.4	12618.8	13566.4	13819.3	15449.3	14937.5	13223.2	14349.6
60°	13140.9	13153.3	13190.3	13584.9	14814.1	15138.9	16962.2	16047.5	13626.0	14810.0
62.5°	14304.4	14322.9	14398.9	15005.3	16489.4	16795.7	18573.7	16956.0	13811.0	14680.5
65°	14224.2	14302.3	15151.2	17225.3	19036.2	19338.3	20454.5	17593.2	13531.5	13496.5
67.5°	12958.0	13085.4	14505.8	19876.9	22875.9	23213.0	22727.9	17718.6	12324.9	10495.5
70°	11297.1	11342.4	13050.5	22261.3	27322.0	27663.2	24762.9	16339.3	9352.6	5854.1
72.5°	8822.3	8832.6	10836.7	22814.2	29735.2	29753.7	23165.7	12129.6	5029.9	2248.7
75°	6302.2	6240.6	7258.0	18501.7	26160.6	26370.3	17367.1	5689.7	1921.9	1062.7
77.5°	3379.3	3447.1	4106.9	10972.4	18072.1	18429.8	9476.0	1640.3	978.4	723.5
80°	1044.2	1101.8	1683.5	5023.7	10236.5	10452.3	3512.9	729.7	682.4	515.9
82.5°	328.9	341.2	785.2	2111.0	4248.8	4347.4	1017.5	413.2	466.6	341.2
85°	94.6	96.6	349.4	787.3	1050.4	1070.9	285.7	160.3	267.2	211.7
87.5°	10.3	32.9	131.6	131.6	92.5	90.4	30.8	34.9	76.1	26.7
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°
4065.8	0°	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8
4084.3	2.5°	4074.0	4076.1	4049.4	4004.2	3954.8	3913.7	3862.3	3821.2	3792.4	3784.2
4121.3	5°	4102.8	4088.4	4012.4	3874.7	3710.2	3568.4	3410.1	3284.7	3202.5	3167.6
4160.4	7.5°	4146.0	4104.9	3938.4	3667.0	3352.6	3073.0	2789.3	2569.4	2429.6	2359.7
4197.4	10°	4183.0	4100.8	3815.0	3366.9	2886.0	2462.5	2080.2	1815.0	1667.0	1597.1
4240.5	12.5°	4217.9	4098.7	3654.7	3011.3	2359.7	1841.7	1486.1	1354.6	1313.5	1299.1
4310.4	15°	4283.7	4104.9	3453.3	2604.3	1835.6	1391.6	1262.1	1260.0	1268.3	1264.1
4417.3	17.5°	4374.1	4111.0	3225.1	2172.7	1416.3	1227.1	1221.0	1239.5	1251.8	1245.6
4550.9	20°	4491.3	4135.7	2982.6	1745.1	1216.9	1186.0	1200.4	1216.9	1227.1	1216.9
4729.8	22.5°	4655.8	4178.9	2717.4	1401.9	1153.1	1161.4	1173.7	1192.2	1202.5	1188.1
4957.9	25°	4857.2	4246.7	2456.3	1218.9	1122.3	1132.6	1151.1	1171.6	1184.0	1169.6
5245.7	27.5°	5118.2	4355.6	2215.9	1177.8	1091.5	1097.6	1124.4	1155.2	1171.6	1153.1
5654.7	30°	5496.5	4534.5	2008.2	1196.3	1073.0	1058.6	1095.6	1138.8	1157.3	1140.8
6211.8	32.5°	5998.0	4787.3	1880.8	1225.1	1064.8	1013.4	1048.3	1103.8	1134.6	1124.4
6939.4	35°	6655.8	5171.7	1831.5	1258.0	1058.6	966.1	990.8	1050.4	1103.8	1114.1
7856.2	37.5°	7453.3	5706.1	1845.9	1272.4	1040.1	927.0	939.4	990.8	1060.6	1093.5
8888.1	40°	8359.8	6328.9	1928.1	1258.0	1019.5	894.2	896.2	935.3	996.9	1046.3
9998.1	42.5°	9295.1	7056.6	2080.2	1204.5	1001.0	865.4	859.2	885.9	927.0	962.0
11106.0	45°	10185.1	7804.8	2230.2	1130.5	978.4	836.6	822.2	832.5	840.7	855.1
12185.1	47.5°	10962.1	8331.0	2187.1	1062.7	947.6	803.7	779.0	774.9	750.3	748.2
13149.2	50°	11498.6	8446.1	1942.5	994.9	902.4	766.7	727.7	703.0	659.8	639.3
13870.7	52.5°	11669.2	7991.9	1586.9	927.0	828.4	717.4	661.9	622.8	569.4	550.9
14285.9	55°	11443.1	7101.8	1268.3	844.8	725.6	651.6	589.9	538.5	495.4	472.8
14331.1	57.5°	10890.1	5969.2	1003.1	748.2	616.7	577.6	515.9	464.5	427.5	404.9
13829.5	60°	9973.4	4740.0	793.4	633.1	526.2	497.4	433.7	400.8	367.9	341.2
12534.6	62.5°	8581.8	3383.4	622.8	501.5	439.9	407.0	370.0	345.3	306.3	269.3
10205.7	65°	6696.9	2069.9	481.0	367.9	353.5	337.1	314.5	291.9	244.6	207.6
6657.8	67.5°	4224.1	980.5	343.3	277.5	279.6	271.3	261.1	242.6	207.6	174.7
2982.6	70°	1860.2	474.8	226.1	211.7	207.6	207.6	215.8	209.7	176.8	145.9
1036.0	72.5°	633.1	254.9	168.6	160.3	150.1	148.0	180.9	174.7	141.8	113.1
515.9	75°	330.9	170.6	123.3	115.1	90.4	108.9	143.9	135.7	100.7	74.0
341.2	77.5°	215.8	121.3	84.3	74.0	51.4	71.9	106.9	94.6	59.6	37.0
224.1	80°	135.7	80.2	49.3	34.9	24.7	39.1	57.6	41.1	22.6	8.2
131.6	82.5°	71.9	41.1	18.5	12.3	10.3	12.3	14.4	10.3	4.1	0.0
67.8	85°	28.8	14.4	6.2	4.1	2.1	0.0	4.1	2.1	0.0	0.0
12.3	87.5°	10.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
4065.8
3798.6
3179.9
2370.0
1599.2
1295.0
1262.1
1243.6
1214.8
1186.0
1167.5
1153.1
1138.8
1124.4
1114.1
1101.8
1062.7
976.4
863.3
746.2
641.3
548.8
472.8
400.8
335.0
263.1
201.4
170.6
139.8
106.9
67.8
32.9
6.2
0.0
0.0
0.0
0.0

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