

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: P942338

Luminaire Tested: **GALN-SB6B-750-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942338
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-SB6B-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 450mA 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: 27353 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

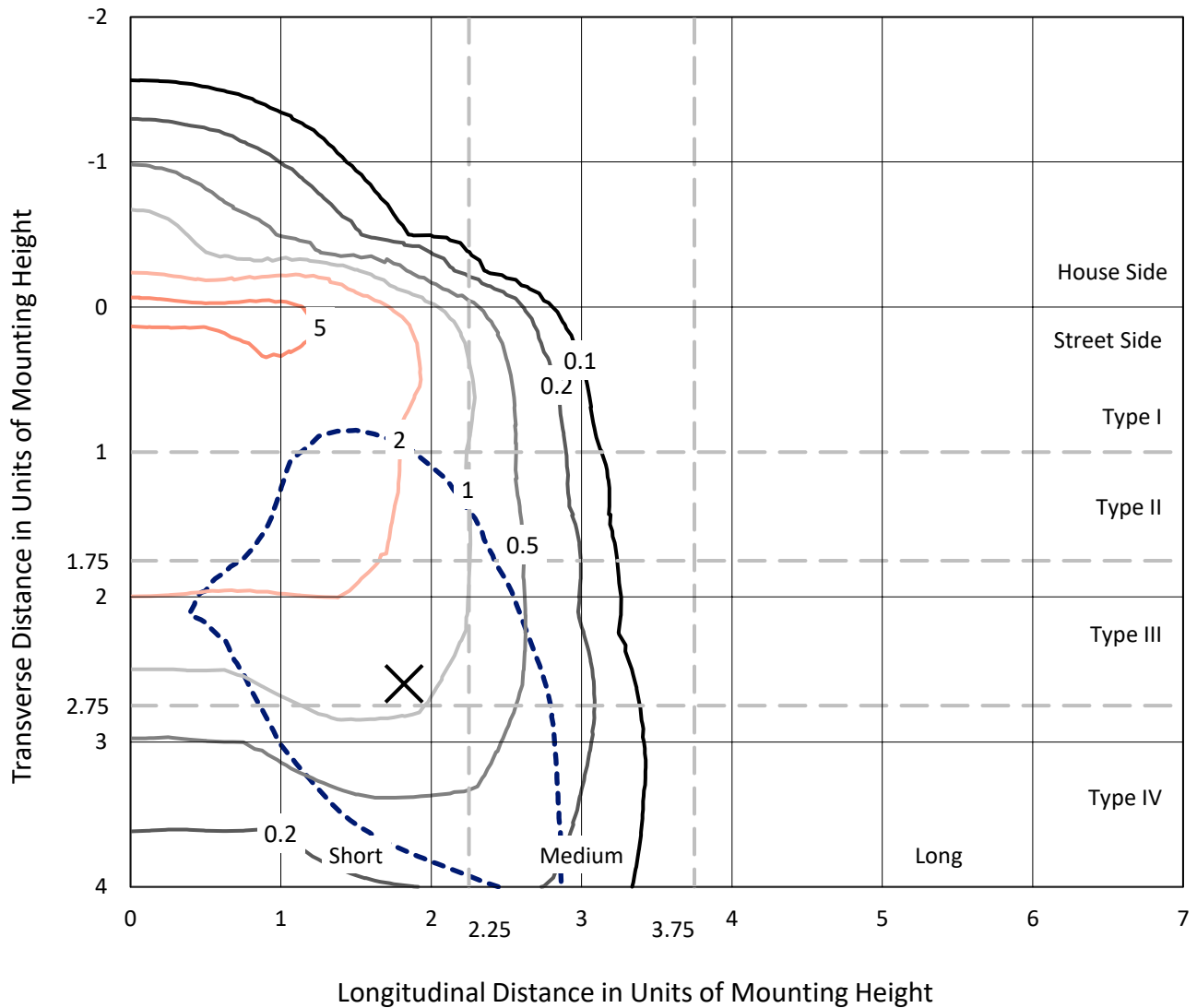
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

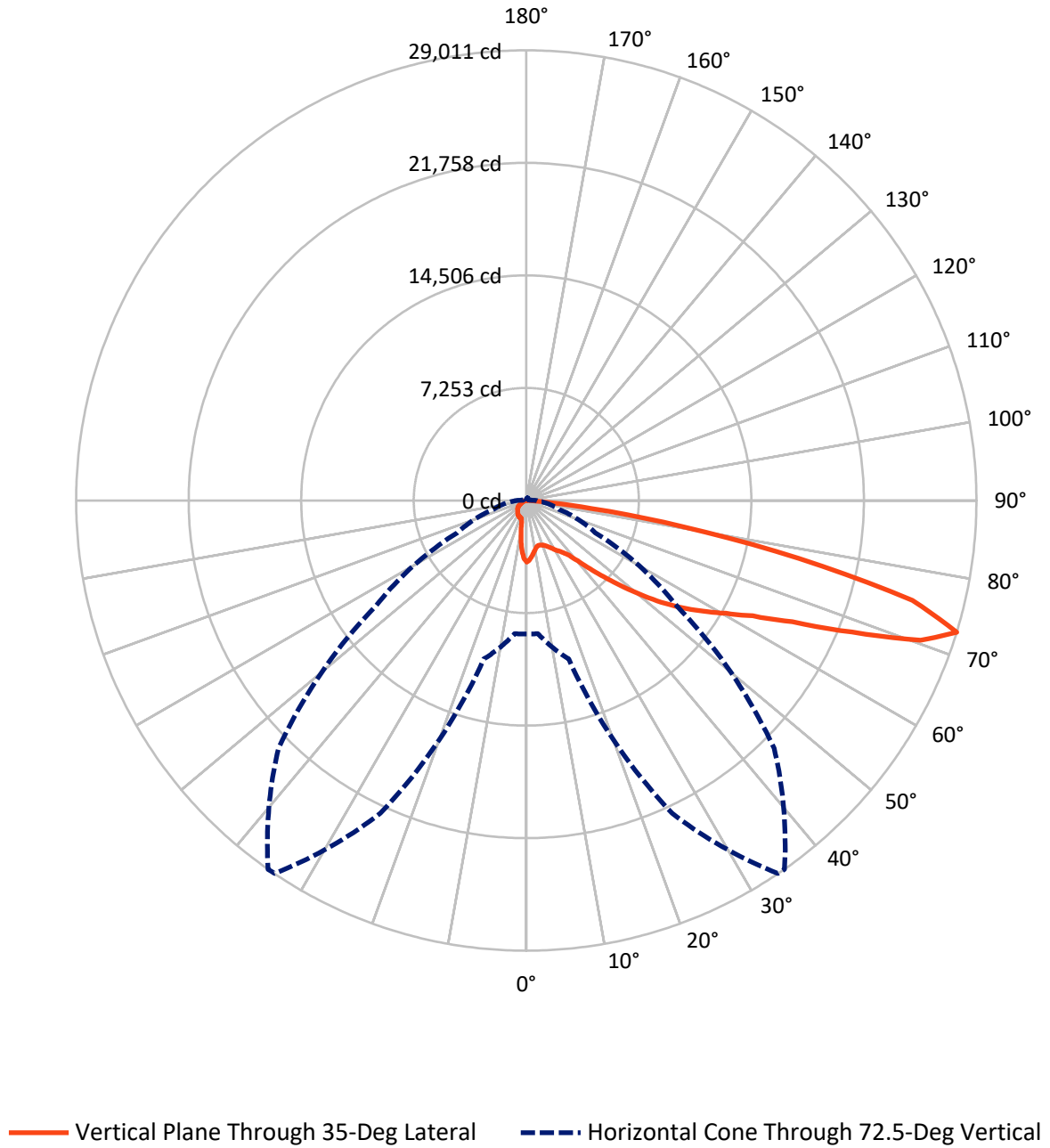
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	3078.5	0.0	3078.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	24274.6	0.0	24274.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	27353.0	0.0	27353.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.8	1.2
10°-20°	762.1	2.8
20°-30°	1238.0	4.5
30°-40°	2065.6	7.6
40°-50°	3908.1	14.3
50°-60°	6210.0	22.7
60°-70°	7682.2	28.1
70°-80°	4775.3	17.5
80°-90°	385.9	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°	27353.0	100.0
0°-180°	27353.0	100.0

Coefficient of Utilization



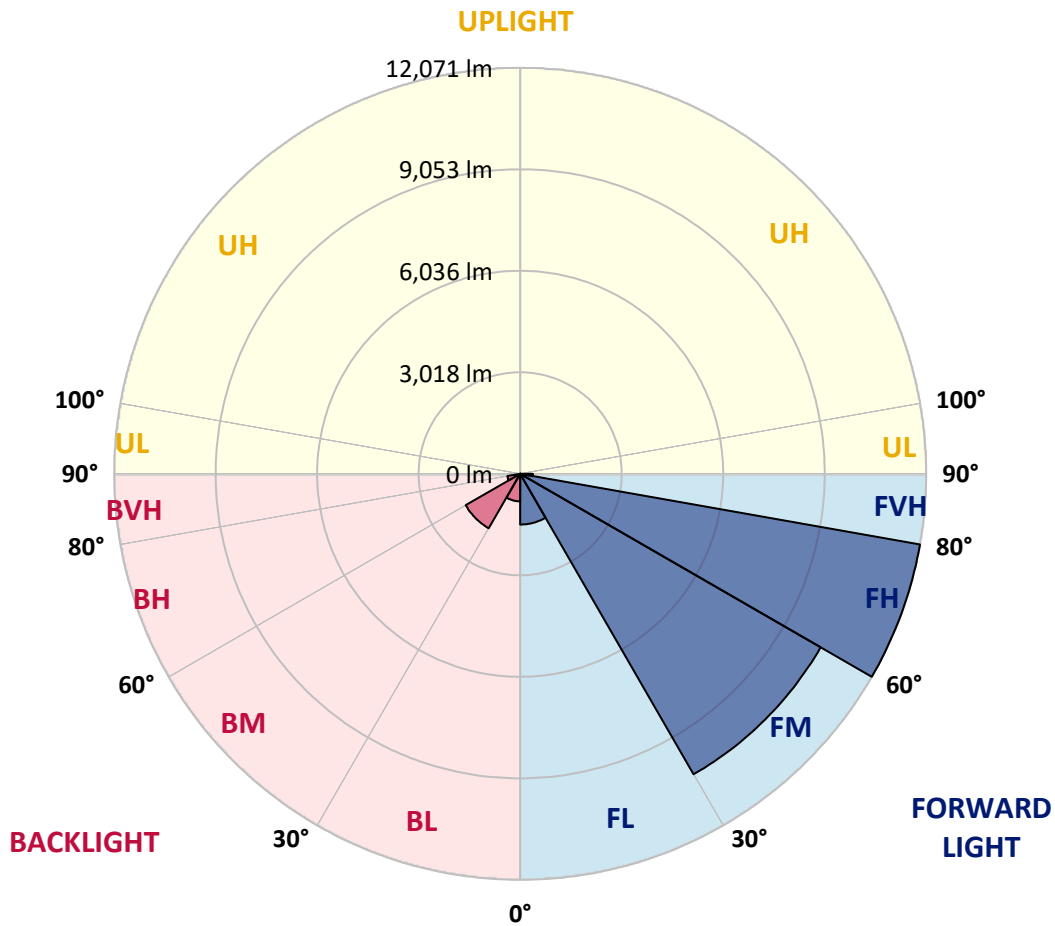
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1507.8	5.5			
FM (30°-60°)	10314.8	37.7			
FH (60°-80°)	12071.2	44.1			G5
FVH (80°-90°)	380.7	1.4			G3/500
BL (0°-30°)	818.0	3.0	B2/1000		
BM (30°-60°)	1868.9	6.8	B2/2500		
BH (60°-80°)	386.3	1.4	B1/500		G1/500
BVH (80°-90°)	5.2	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°	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4
2.5°	3788.0	3820.1	3826.1	3836.1	3836.1	3848.1	3868.2	3896.2	3942.3	3966.4
5°	3491.4	3515.4	3545.5	3569.5	3615.6	3621.6	3699.8	3776.0	3882.2	3962.4
7.5°	3192.7	3220.8	3260.9	3319.0	3379.1	3397.2	3515.4	3643.7	3812.0	3962.4
10°	2982.3	2984.3	3020.4	3078.5	3174.7	3196.7	3341.1	3523.4	3733.9	3938.3
12.5°	2864.0	2878.1	2894.1	2938.2	3030.4	3044.4	3198.8	3413.2	3655.7	3924.3
15°	2864.0	2874.1	2884.1	2906.1	2980.3	2992.3	3128.6	3343.1	3615.6	3930.3
17.5°	2894.1	2910.1	2902.1	2928.2	3006.3	3014.4	3134.6	3323.0	3613.6	3968.4
20°	2966.3	2978.3	2962.3	2978.3	3056.5	3072.5	3196.7	3361.1	3647.7	4034.5
22.5°	3080.5	3086.5	3048.4	3060.5	3140.6	3160.7	3305.0	3469.3	3729.9	4140.7
25°	3224.8	3236.8	3178.7	3192.7	3268.9	3292.9	3459.3	3631.7	3860.1	4287.0
27.5°	3391.2	3397.2	3347.1	3345.1	3443.3	3477.3	3645.7	3832.1	4034.5	4471.4
30°	3581.6	3599.6	3551.5	3543.5	3667.7	3695.8	3862.2	4078.6	4291.1	4748.0
32.5°	3731.9	3745.9	3717.8	3737.9	3864.2	3886.2	4124.7	4427.3	4693.9	5140.8
35°	3948.3	3956.3	3892.2	3928.3	4072.6	4128.7	4483.5	4916.4	5201.0	5633.9
37.5°	4732.0	4732.0	4459.4	4281.0	4419.3	4469.4	4974.5	5531.7	5826.3	6295.3
40°	5816.3	5798.2	5399.4	5034.6	5016.6	5114.8	5674.0	6307.3	6634.0	7089.0
42.5°	6972.7	6944.7	6401.5	6040.7	5980.6	6014.7	6481.7	7263.3	7596.0	8057.0
45°	7998.9	7990.9	7493.8	7008.8	6900.6	7008.8	7489.8	8381.7	8620.2	9105.2
47.5°	8858.7	8858.7	8495.9	8179.3	8123.1	8187.3	8854.7	9622.3	9600.3	10221.6
50°	9848.8	9840.8	9496.0	9359.8	9417.9	9508.1	10426.0	10929.1	10614.4	11317.9
52.5°	10542.2	10590.4	10472.1	10450.1	10746.7	10903.0	12021.4	12207.8	11522.3	12358.1
55°	11091.4	11147.5	11283.8	11438.1	12009.3	12213.8	13566.6	13420.3	12281.9	13260.0
57.5°	11869.0	11788.9	11999.3	12304.0	13227.9	13474.4	15063.8	14564.7	12893.2	13991.5
60°	12813.0	12825.1	12861.1	13246.0	14444.5	14761.2	16538.9	15647.0	13286.0	14440.5
62.5°	13947.4	13965.5	14039.6	14630.9	16077.9	16376.6	18110.2	16532.9	13466.4	14314.2
65°	13869.3	13945.4	14773.2	16795.4	18561.2	18855.8	19944.1	17154.2	13193.8	13159.8
67.5°	12634.7	12758.9	14143.9	19380.9	22305.1	22633.8	22160.8	17276.5	12017.4	10233.6
70°	11015.2	11059.3	12724.9	21705.8	26640.2	26972.9	24145.0	15931.6	9119.2	5708.0
72.5°	8602.2	8612.2	10566.3	22244.9	28993.2	29011.2	22587.7	11827.0	4904.4	2192.6
75°	6145.0	6084.8	7076.9	18040.1	25507.8	25712.3	16933.7	5547.7	1874.0	1036.2
77.5°	3295.0	3361.1	4004.5	10698.6	17621.2	17969.9	9239.5	1599.4	954.0	705.5
80°	1018.1	1074.3	1641.5	4898.3	9981.1	10191.5	3425.2	711.5	665.4	503.1
82.5°	320.7	332.7	765.6	2058.3	4142.7	4238.9	992.1	402.9	455.0	332.7
85°	92.2	94.2	340.7	767.6	1024.2	1044.2	278.6	156.3	260.5	206.4
87.5°	10.0	32.1	128.3	128.3	90.2	88.2	30.1	34.1	74.2	26.1
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°
3964.4	0°	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4	3964.4
3982.4	2.5°	3972.4	3974.4	3948.3	3904.2	3856.1	3816.1	3765.9	3725.9	3697.8	3689.8
4018.5	5°	4000.4	3986.4	3912.3	3778.0	3617.6	3479.3	3325.0	3202.8	3122.6	3088.5
4056.6	7.5°	4042.5	4002.4	3840.1	3575.5	3268.9	2996.3	2719.7	2505.3	2369.0	2300.9
4092.6	10°	4078.6	3998.4	3719.9	3282.9	2813.9	2401.1	2028.3	1769.7	1625.4	1557.3
4134.7	12.5°	4112.7	3996.4	3563.5	2936.2	2300.9	1795.8	1449.1	1320.8	1280.7	1266.7
4202.9	15°	4176.8	4002.4	3367.1	2539.4	1789.8	1356.9	1230.6	1228.6	1236.6	1232.6
4307.1	17.5°	4265.0	4008.5	3144.6	2118.5	1380.9	1196.5	1190.5	1208.6	1220.6	1214.6
4437.4	20°	4379.2	4032.5	2908.1	1701.6	1186.5	1156.4	1170.5	1186.5	1196.5	1186.5
4611.7	22.5°	4539.6	4074.6	2649.6	1366.9	1124.4	1132.4	1144.4	1162.5	1172.5	1158.4
4834.2	25°	4736.0	4140.7	2395.1	1188.5	1094.3	1104.3	1122.4	1142.4	1154.4	1140.4
5114.8	27.5°	4990.5	4247.0	2160.6	1148.4	1064.2	1070.3	1096.3	1126.4	1142.4	1124.4
5513.6	30°	5359.3	4421.3	1958.1	1166.5	1046.2	1032.2	1068.3	1110.3	1128.4	1112.3
6056.8	32.5°	5848.3	4667.9	1833.9	1194.5	1038.2	988.1	1022.2	1076.3	1106.3	1096.3
6766.3	35°	6489.7	5042.6	1785.8	1226.6	1032.2	942.0	966.0	1024.2	1076.3	1086.3
7660.2	37.5°	7267.3	5563.7	1799.8	1240.6	1014.1	903.9	915.9	966.0	1034.2	1066.3
8666.3	40°	8151.2	6171.0	1880.0	1226.6	994.1	871.8	873.8	911.9	972.1	1020.2
9748.6	42.5°	9063.1	6880.5	2028.3	1174.5	976.1	843.8	837.8	863.8	903.9	938.0
10828.9	45°	9931.0	7610.1	2174.6	1102.3	954.0	815.7	801.7	811.7	819.7	833.8
11881.1	47.5°	10688.6	8123.1	2132.5	1036.2	923.9	783.7	759.6	755.6	731.5	729.5
12821.1	50°	11211.7	8235.4	1894.0	970.0	879.9	747.6	709.5	685.4	643.4	623.3
13524.5	52.5°	11378.0	7792.4	1547.3	903.9	807.7	699.5	645.4	607.3	555.2	537.1
13929.4	55°	11157.5	6924.6	1236.6	823.7	707.5	635.3	575.2	525.1	483.0	461.0
13973.5	57.5°	10618.4	5820.3	978.1	729.5	601.3	563.2	503.1	453.0	416.9	394.8
13484.5	60°	9724.5	4621.8	773.6	617.3	513.1	485.0	422.9	390.8	358.8	332.7
12221.8	62.5°	8367.7	3299.0	607.3	489.0	428.9	396.8	360.8	336.7	298.6	262.6
9951.0	65°	6529.8	2018.3	469.0	358.8	344.7	328.7	306.6	284.6	238.5	202.4
6491.7	67.5°	4118.7	956.0	334.7	270.6	272.6	264.6	254.5	236.5	202.4	170.4
2908.1	70°	1813.8	463.0	220.5	206.4	202.4	202.4	210.4	204.4	172.4	142.3
1010.1	72.5°	617.3	248.5	164.3	156.3	146.3	144.3	176.4	170.4	138.3	110.2
503.1	75°	322.7	166.4	120.3	112.2	88.2	106.2	140.3	132.3	98.2	72.2
332.7	77.5°	210.4	118.2	82.2	72.2	50.1	70.1	104.2	92.2	58.1	36.1
218.5	80°	132.3	78.2	48.1	34.1	24.1	38.1	56.1	40.1	22.0	8.0
128.3	82.5°	70.1	40.1	18.0	12.0	10.0	12.0	14.0	10.0	4.0	0.0
66.1	85°	28.1	14.0	6.0	4.0	2.0	0.0	4.0	2.0	0.0	0.0
12.0	87.5°	10.0	2.0	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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180°
3964.4
3703.8
3100.5
2310.9
1559.3
1262.7
1230.6
1212.6
1184.5
1156.4
1138.4
1124.4
1110.3
1096.3
1086.3
1074.3
1036.2
952.0
841.8
727.5
625.3
535.1
461.0
390.8
326.7
256.5
196.4
166.4
136.3
104.2
66.1
32.1
6.0
0.0
0.0
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0.0

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