

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: P953018

Luminaire Tested: **GALN-SB6C-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-940-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25349 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

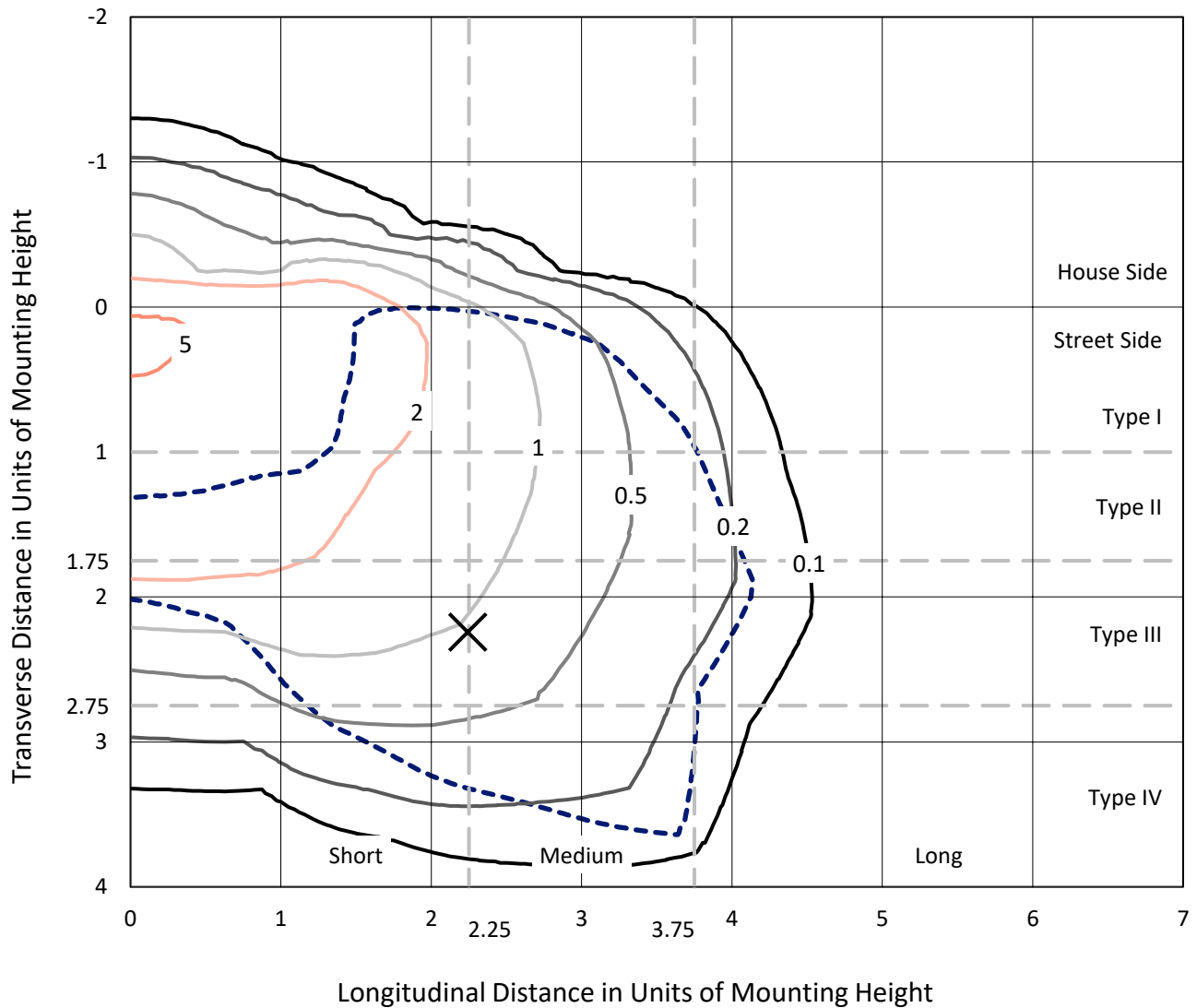
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953018
 CATALOG NUMBER: GALN-SB6C-940-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

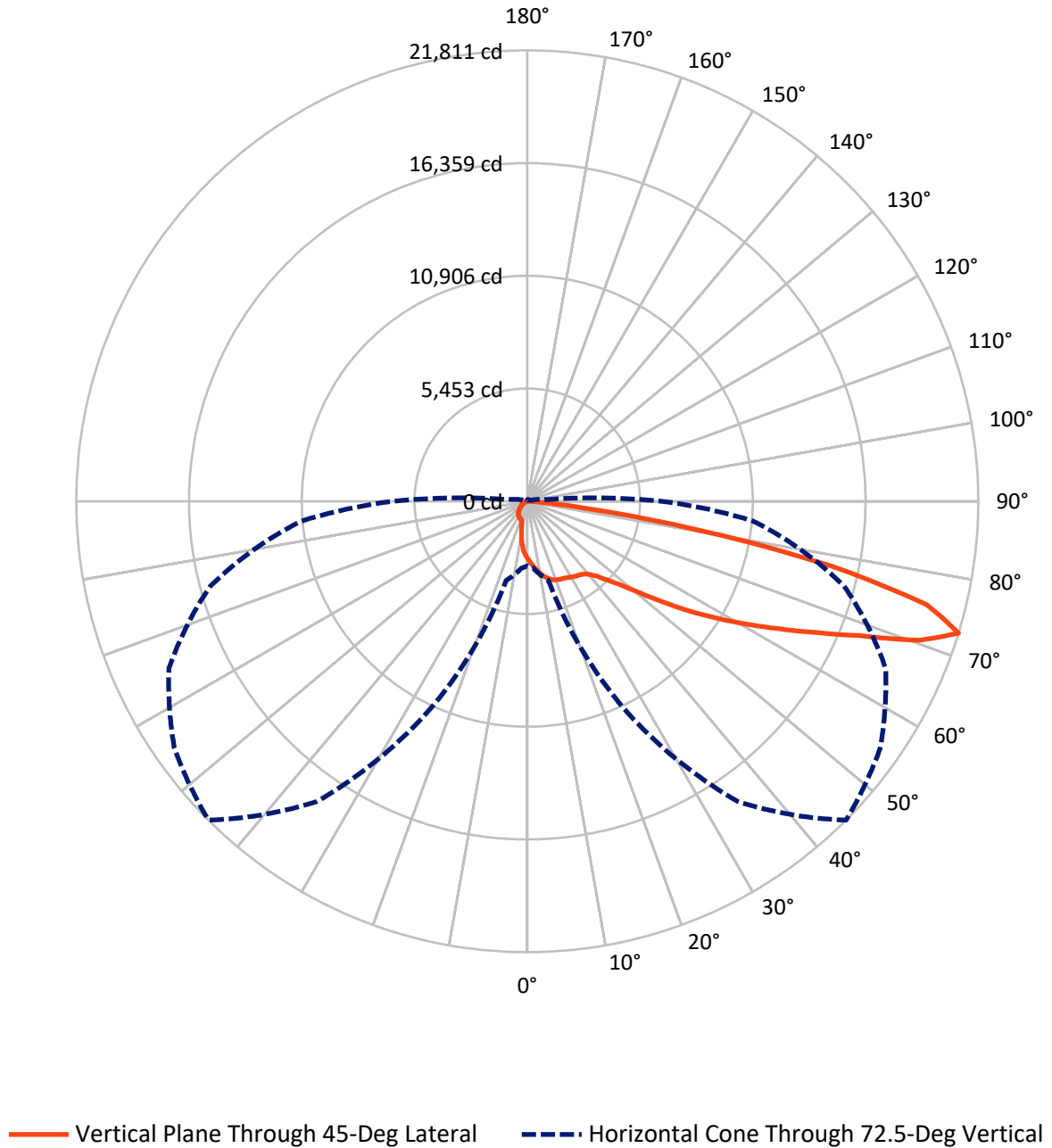
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P953018
CATALOG NUMBER: GALN-SB6C-940-U-T4W-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2663.5	0.0	2663.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	22685.5	0.0	22685.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	25349.0	0.0	25349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.6	1.0
10°-20°	764.7	3.0
20°-30°	1255.8	5.0
30°-40°	1781.0	7.0
40°-50°	2943.7	11.6
50°-60°	5288.1	20.9
60°-70°	7342.8	29.0
70°-80°	5326.2	21.0
80°-90°	385.1	1.5
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°	25349.0	100.0
0°-180°	25349.0	100.0

Coefficient of Utilization



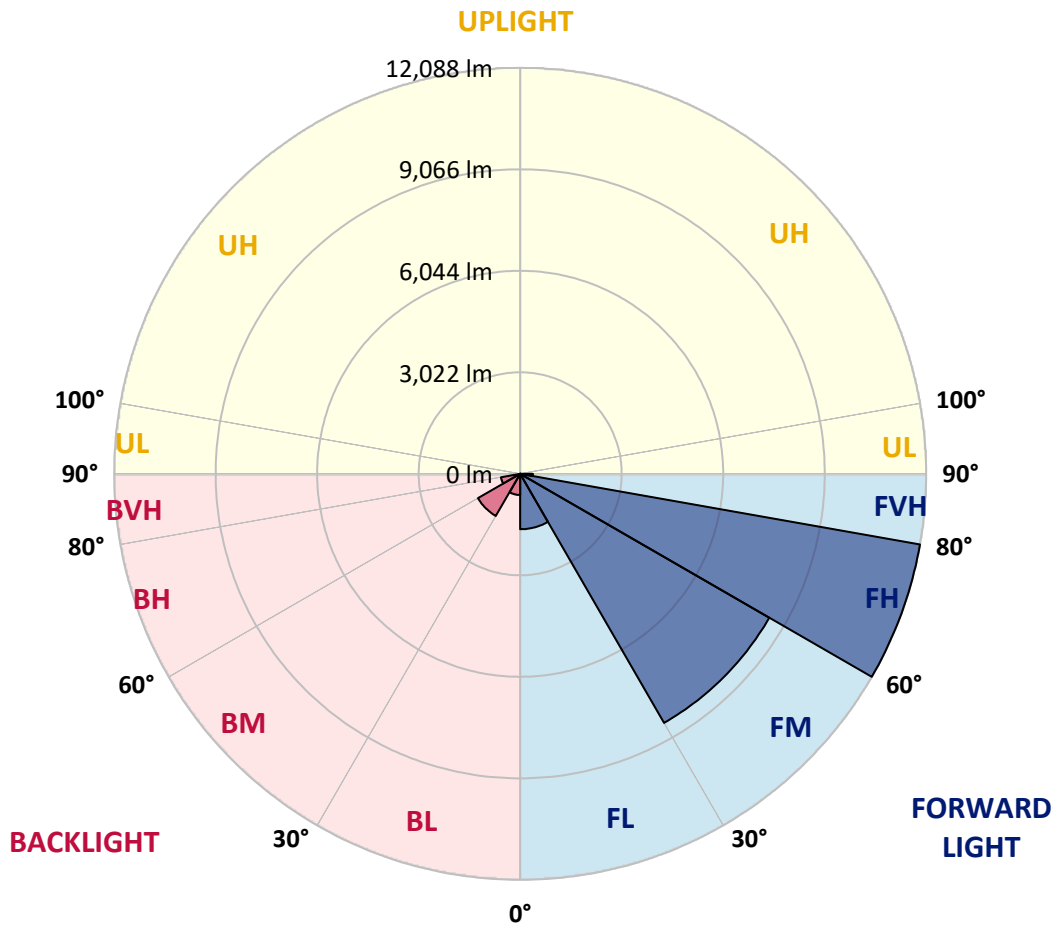
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1651.2	6.5			
FM (30°-60°)	8564.2	33.8			
FH (60°-80°)	12088.2	47.7			G5
FVH (80°-90°)	381.8	1.5			G3/500
BL (0°-30°)	630.9	2.5	B2/1000		
BM (30°-60°)	1448.6	5.7	B2/2500		
BH (60°-80°)	580.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	3.2	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°	35°	45°	46°	55°	65°	75°
0°	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0
2.5°	3033.1	3038.3	3034.8	3014.1	2979.5	2960.4	2950.1	2915.5	2893.0	2853.2
5°	3311.7	3332.4	3320.3	3278.8	3213.1	3166.3	3152.5	3081.6	3017.5	2943.1
7.5°	3607.6	3617.9	3595.4	3541.8	3453.6	3374.0	3361.9	3263.2	3161.2	3047.0
10°	3863.6	3875.7	3841.1	3763.3	3662.9	3564.3	3547.0	3438.0	3316.9	3176.7
12.5°	4078.2	4090.3	4045.3	3951.9	3841.1	3739.1	3721.7	3607.6	3474.3	3318.6
15°	4240.8	4263.3	4202.8	4102.4	3983.0	3880.9	3872.3	3759.8	3630.0	3457.0
17.5°	4336.0	4358.5	4301.4	4180.3	4078.2	3991.7	3981.3	3887.9	3766.7	3600.6
20°	4351.6	4372.3	4311.8	4206.2	4121.4	4052.2	4047.0	3979.6	3891.3	3732.1
22.5°	4304.8	4330.8	4275.4	4190.6	4131.8	4095.5	4088.6	4050.5	4000.3	3865.4
25°	4256.4	4277.2	4235.6	4161.2	4130.1	4126.6	4131.8	4124.9	4114.5	4000.3
27.5°	4252.9	4275.4	4228.7	4157.8	4140.5	4176.8	4182.0	4214.9	4223.5	4123.2
30°	4282.3	4297.9	4252.9	4178.5	4169.9	4252.9	4254.7	4313.5	4327.3	4227.0
32.5°	4346.4	4363.7	4318.7	4209.7	4197.6	4313.5	4318.7	4396.5	4419.0	4337.7
35°	4496.9	4517.7	4465.8	4296.2	4252.9	4370.6	4386.2	4477.9	4522.9	4455.4
37.5°	4872.4	4811.8	4740.9	4470.9	4379.2	4460.6	4486.5	4593.8	4673.4	4595.5
40°	5805.0	5614.6	5393.2	4768.5	4600.7	4652.6	4673.4	4780.7	4889.7	4813.5
42.5°	7204.7	6979.8	6623.4	5453.7	4934.6	4960.6	4976.2	5069.6	5223.6	5163.0
45°	8452.2	8370.9	8007.6	6623.4	5559.3	5431.2	5450.3	5498.7	5725.4	5702.9
47.5°	9410.8	9364.1	9083.8	7966.0	6614.7	6007.4	6061.0	6083.5	6410.5	6490.1
50°	10147.9	10130.6	9879.7	9159.9	7993.7	6856.9	6876.0	6827.5	7317.2	7514.4
52.5°	10843.4	10902.2	10717.1	10269.0	9466.1	7969.5	7966.0	7737.6	8398.6	8696.2
55°	11471.5	11492.3	11511.3	11400.6	10947.2	9236.0	9203.2	8829.4	9653.0	9961.0
57.5°	12061.5	12070.2	12239.7	12466.4	12488.9	10596.0	10535.4	10087.3	11023.4	11243.1
60°	12457.7	12497.5	12855.7	13485.5	13760.6	11999.2	11966.3	11509.6	12417.9	12520.0
62.5°	11886.8	12129.0	13032.2	14281.4	14961.4	13554.7	13539.1	13110.0	13885.2	13802.1
65°	9621.9	10031.9	11620.3	14819.5	16139.7	15291.9	15314.4	14857.6	15392.2	15122.3
67.5°	6730.6	7163.2	9042.2	14862.8	17456.4	17331.8	17461.6	16745.3	16992.7	16387.1
70°	4654.3	4877.5	6100.8	13931.9	18482.4	20141.7	20138.3	19063.8	18584.5	16963.3
72.5°	3130.0	3245.9	3962.3	11052.8	17728.0	21811.4	21711.1	20835.6	19120.9	15864.6
75°	1320.2	1405.0	1834.1	6211.6	14025.3	19954.9	19683.2	18413.2	16989.2	12492.3
77.5°	418.7	455.1	723.2	2223.4	7725.5	14999.5	14712.2	11499.2	11386.7	6266.9
80°	199.0	231.9	406.6	892.8	3040.0	8158.1	8118.3	5216.7	4898.3	1692.2
82.5°	86.5	102.1	224.9	477.5	1360.0	2910.3	2969.1	1775.2	1469.0	641.9
85°	27.7	36.3	103.8	219.7	574.4	723.2	714.6	422.2	591.7	349.5
87.5°	0.0	0.0	34.6	50.2	58.8	41.5	46.7	36.3	164.4	96.9
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°
2777.0	0°	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0	2777.0
2811.6	2.5°	2790.9	2763.2	2714.7	2669.8	2630.0	2590.2	2565.9	2531.3	2527.9	2527.9
2856.6	5°	2809.9	2764.9	2678.4	2586.7	2481.2	2380.8	2280.5	2183.6	2152.4	2129.9
2929.3	7.5°	2865.3	2794.3	2657.7	2482.9	2282.2	2062.4	1908.5	1742.4	1678.3	1643.7
3026.2	10°	2944.9	2848.0	2640.3	2334.1	2008.8	1709.5	1489.7	1309.8	1240.6	1211.2
3131.7	12.5°	3033.1	2913.7	2609.2	2149.0	1709.5	1351.3	1136.8	1053.7	1043.3	1043.3
3258.0	15°	3138.7	2993.3	2555.6	1930.9	1396.3	1069.3	993.2	996.6	1007.0	1013.9
3380.9	17.5°	3247.7	3078.1	2470.8	1687.0	1119.5	962.0	963.7	968.9	977.6	984.5
3514.1	20°	3365.3	3162.9	2358.3	1427.4	960.3	930.9	936.1	941.3	948.2	951.6
3638.7	22.5°	3491.6	3242.5	2225.1	1173.1	906.6	904.9	906.6	911.8	920.5	920.5
3784.0	25°	3626.6	3330.7	2072.8	988.0	879.0	879.0	882.4	885.9	892.8	892.8
3924.2	27.5°	3765.0	3412.0	1911.9	891.1	854.7	853.0	853.0	858.2	861.7	863.4
4062.6	30°	3917.3	3507.2	1751.0	870.3	835.7	827.1	821.9	825.3	828.8	830.5
4207.9	32.5°	4073.0	3598.9	1607.4	879.0	816.7	801.1	783.8	780.3	780.3	787.3
4358.5	35°	4246.0	3699.3	1496.7	908.4	806.3	763.0	735.4	719.8	721.5	731.9
4538.4	37.5°	4453.6	3820.4	1415.3	934.3	799.4	719.8	674.8	655.8	643.6	655.8
4785.8	40°	4725.3	3998.6	1356.5	955.1	790.7	669.6	609.0	577.9	555.4	562.3
5170.0	42.5°	5125.0	4278.9	1334.0	956.8	771.7	610.8	541.6	500.0	467.2	468.9
5747.9	45°	5685.6	4721.8	1449.9	934.3	730.2	546.8	470.6	415.3	394.5	389.3
6611.3	47.5°	6453.8	5367.2	1718.1	887.6	669.6	484.5	401.4	354.7	339.1	330.5
7744.6	50°	7483.3	6196.0	2015.7	835.7	609.0	425.6	344.3	314.9	304.5	295.9
9089.0	52.5°	8677.2	7036.9	2259.7	783.8	548.5	373.7	308.0	290.7	282.0	275.1
10386.6	55°	9772.4	7616.5	2245.9	728.4	489.7	332.2	282.0	271.6	261.3	254.3
11504.4	57.5°	10454.1	7697.8	1851.4	667.9	422.2	299.3	257.8	250.9	238.8	230.1
12471.6	60°	10767.3	7234.1	1297.7	588.3	354.7	268.2	231.9	228.4	212.8	200.7
13386.9	62.5°	10824.4	6372.5	865.1	489.7	295.9	238.8	205.9	200.7	179.9	159.2
14130.9	65°	10592.5	5140.5	598.7	382.4	252.6	207.6	176.5	166.1	143.6	122.8
14307.4	67.5°	9858.9	3609.3	417.0	275.1	214.5	164.4	140.1	136.7	119.4	102.1
13407.6	70°	8514.5	2057.3	278.6	205.9	169.6	112.5	110.7	114.2	96.9	83.1
10954.2	72.5°	6528.2	941.3	173.0	150.5	115.9	76.1	88.2	90.0	74.4	62.3
6834.5	75°	3842.9	403.1	109.0	96.9	58.8	50.2	64.0	65.7	50.2	39.8
2498.5	77.5°	1308.1	152.3	69.2	57.1	29.4	27.7	41.5	41.5	27.7	15.6
501.8	80°	297.6	57.1	34.6	22.5	13.8	12.1	13.8	12.1	6.9	1.7
154.0	82.5°	84.8	22.5	13.8	8.7	5.2	5.2	1.7	0.0	0.0	0.0
53.6	85°	24.2	10.4	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
19.0	87.5°	10.4	1.7	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°
2777.0
2536.5
2140.3
1648.9
1211.2
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1013.9
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923.9
894.5
865.1
834.0
792.5
737.1
652.3
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