

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: P954192

Luminaire Tested: **GALN-SB7C-735-U-T3R-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB7C-735-U-T3R-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

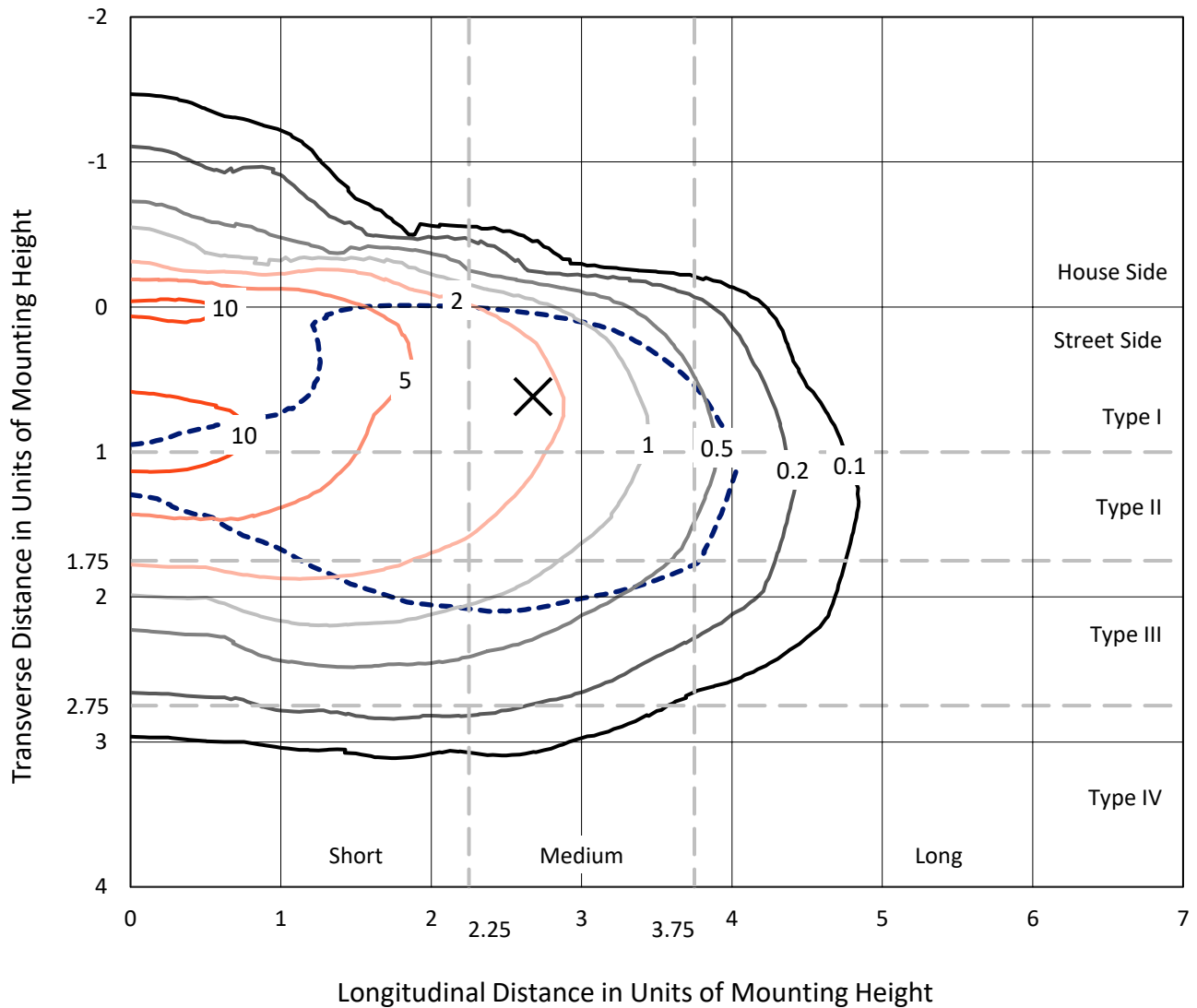
Lumens per Lamp: N/A  
Luminaire Lumens: 44341 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

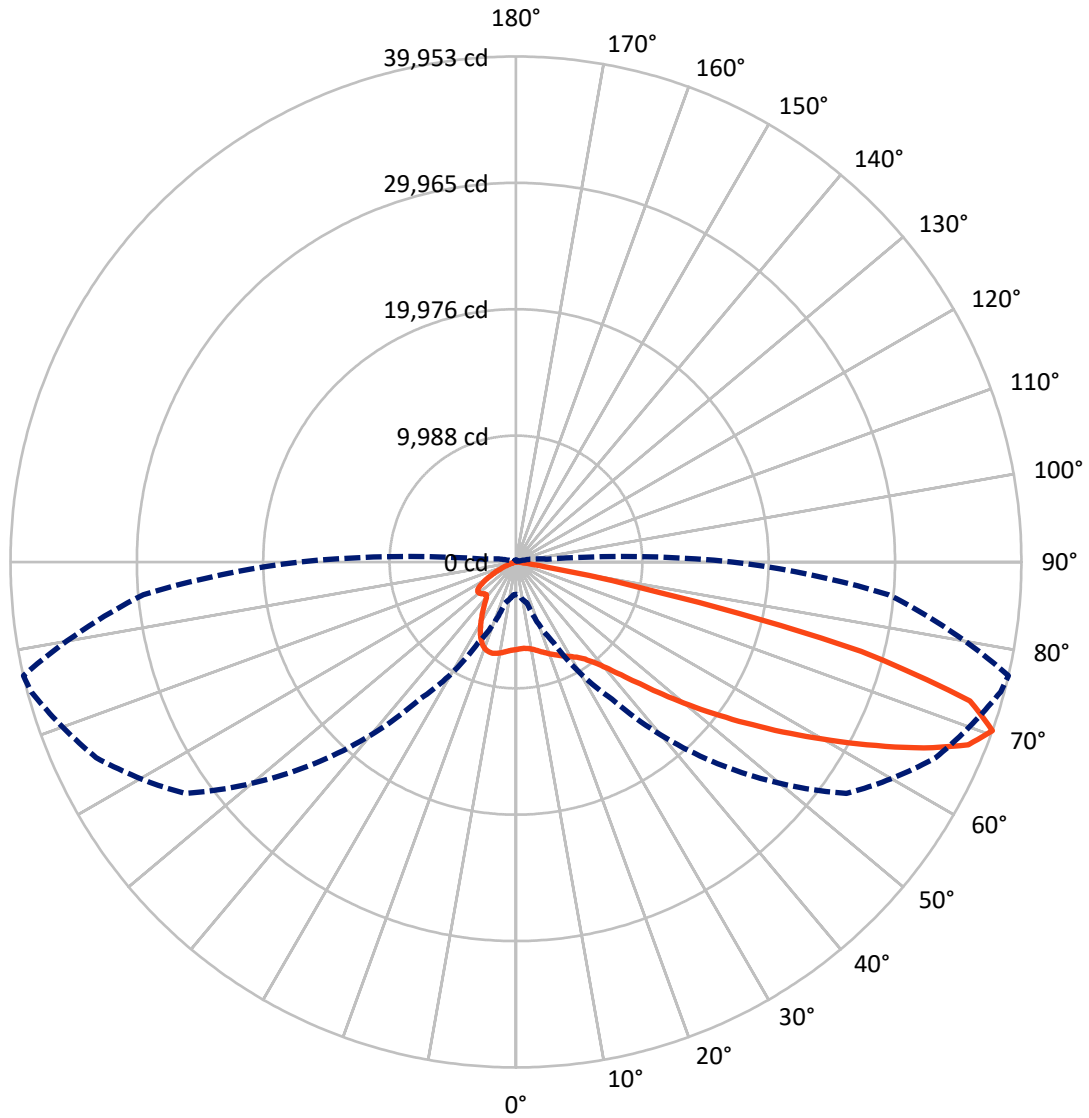
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type III - Medium - N/A

REPORT NUMBER: P954192  
CATALOG NUMBER: GALN-SB7C-735-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GALN-SB7C-735-U-T3R-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4674.2	0.0	4674.2
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	39666.8	0.0	39666.8
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	44341.0	0.0	44341.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.1	1.3
10°-20°	1415.0	3.2
20°-30°	2188.7	4.9
30°-40°	3971.4	9.0
40°-50°	7496.6	16.9
50°-60°	10831.9	24.4
60°-70°	11530.3	26.0
70°-80°	6110.3	13.8
80°-90°	200.6	0.5
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°	44341.0	100.0
0°-180°	44341.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P954192

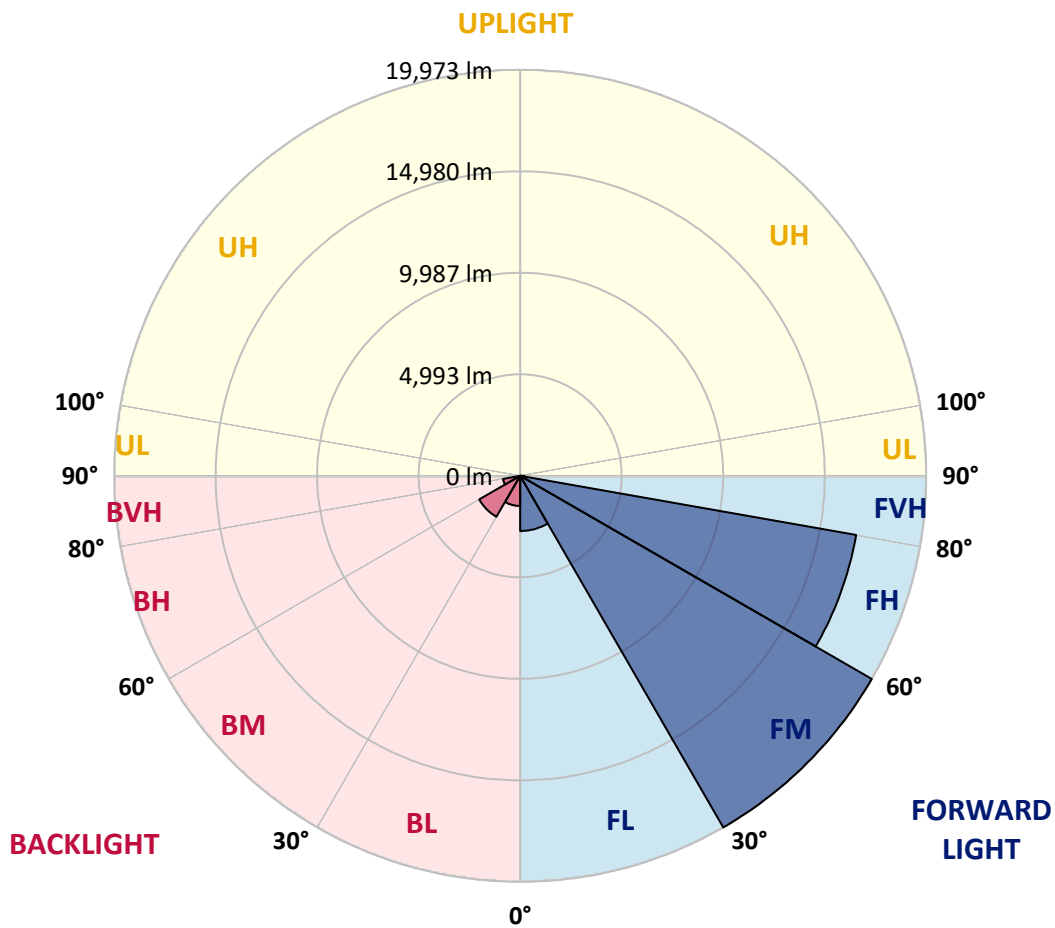
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2714.7	6.1			
FM (30°-60°)	19973.2	45.0			
FH (60°-80°)	16783.7	37.9			G5
FVH (80°-90°)	195.2	0.4			G2/225
BL (0°-30°)	1485.1	3.3	B3/2500		
BM (30°-60°)	2326.8	5.2	B2/2500		
BH (60°-80°)	856.9	1.9	B2/1000		G2/1000
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: B3-U0-G5**

Type III Medium



REPORT NUMBER: P954192  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4
2.5°	6493.6	6552.4	6544.0	6583.2	6597.2	6653.2	6709.2	6784.8	6868.8	6866.0
5°	6126.8	6185.6	6199.6	6252.8	6320.0	6406.8	6521.6	6672.8	6829.6	6854.8
7.5°	5692.7	5754.3	5790.7	5897.1	6020.3	6199.6	6387.2	6608.4	6868.8	6905.2
10°	5258.7	5314.7	5362.3	5513.5	5709.5	5975.5	6280.8	6600.0	6950.0	7003.2
12.5°	4989.9	5043.1	5096.3	5227.9	5471.5	5796.3	6210.8	6639.2	7084.4	7160.0
15°	4894.7	4942.3	4984.3	5101.9	5328.7	5698.3	6196.8	6720.4	7255.2	7356.0
17.5°	4908.7	4933.9	4961.9	5051.5	5272.7	5653.5	6222.0	6860.4	7456.8	7546.4
20°	4989.9	5003.9	5006.7	5068.3	5264.3	5647.9	6272.4	6994.8	7647.2	7767.6
22.5°	5093.5	5099.1	5093.5	5135.5	5317.5	5689.9	6339.6	7157.2	7860.0	7972.1
25°	5577.9	5471.5	5337.1	5255.9	5407.1	5771.1	6440.4	7375.6	8092.5	8201.7
27.5°	7081.6	6776.4	6294.8	5754.3	5591.9	5888.7	6580.4	7596.8	8327.7	8425.7
30°	9523.3	9122.9	8305.3	7087.2	6185.6	6135.2	6762.4	7818.0	8576.9	8683.3
32.5°	11970.7	11872.7	10929.0	9243.3	7521.2	6684.0	7064.8	8117.7	8907.3	8991.3
35°	14446.0	14247.2	13474.4	11808.3	9579.3	7801.2	7568.8	8509.7	9341.3	9436.5
37.5°	16341.7	16221.3	15742.5	14370.4	12021.1	9526.1	8431.3	9117.3	9971.4	10077.8
40°	18016.2	17960.2	17797.8	16893.4	14751.2	11783.1	9772.6	10058.2	10845.0	10971.0
42.5°	19332.3	19463.9	19556.3	19304.3	17565.4	14359.2	11575.9	11379.9	12063.1	12191.9
45°	20679.2	20724.0	21096.4	21460.4	20360.0	17053.0	13608.8	12928.3	13578.0	13737.6
47.5°	21544.4	21723.6	22378.9	23020.1	22709.3	19724.3	15792.9	14756.8	15333.7	15633.3
50°	21608.8	21947.7	22849.3	23966.6	24420.2	22266.9	18167.4	16840.2	17453.4	17783.8
52.5°	20536.4	21062.8	22460.1	24095.4	25344.2	24420.2	20623.2	18923.5	19710.3	20141.6
55°	15745.3	16434.1	20995.6	23395.3	25380.7	26052.7	23014.5	21093.6	22224.9	22712.1
57.5°	13718.0	14065.2	16506.9	22180.1	24705.8	26710.7	25176.2	23160.1	24960.6	25565.5
60°	11413.5	11869.9	13844.0	20192.0	23790.2	26775.1	27085.9	25825.9	27926.0	28606.4
62.5°	7756.4	8252.1	10215.0	16775.8	22538.5	26744.3	28651.2	28570.0	31221.8	31952.6
65°	4805.1	5115.9	6409.6	13698.4	20788.4	26777.9	30289.3	31902.2	34699.6	35441.6
67.5°	3797.0	3939.8	4614.7	10517.4	17772.6	26021.9	31924.6	35035.6	37973.0	38561.0
70°	2550.9	2637.8	3357.4	7050.8	13222.4	22532.9	31893.8	36609.3	39658.7	39952.7
72.5°	1344.1	1411.3	1962.9	3265.0	7986.1	16016.9	26884.3	34727.6	37981.4	37538.9
75°	672.0	784.0	1321.7	1657.7	3410.6	8932.5	16694.6	27380.0	29894.5	28180.8
77.5°	509.6	616.0	1092.1	1092.1	1187.3	3007.4	7070.4	14933.3	13774.0	11469.5
80°	324.8	420.0	954.9	826.0	495.6	764.4	1842.5	4183.4	2926.2	2226.1
82.5°	190.4	274.4	795.2	546.0	277.2	282.8	520.8	890.5	758.8	590.8
85°	75.6	179.2	546.0	215.6	109.2	70.0	156.8	190.4	156.8	117.6
87.5°	0.0	42.0	95.2	0.0	8.4	5.6	11.2	14.0	14.0	11.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954192  
 CATALOG NUMBER: GALN-SB7C-735-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
6916.4	0°	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4	6916.4
6922.0	2.5°	6947.2	6952.8	6969.6	6972.4	6933.2	6882.8	6863.2	6854.8	6821.2	6818.4
6966.8	5°	7031.2	7056.4	7031.2	6958.4	6784.8	6541.2	6356.4	6205.2	6067.9	6025.9
7120.8	7.5°	7199.2	7224.4	7148.8	6863.2	6426.4	5941.9	5505.1	5197.1	4919.9	4816.3
7308.4	10°	7440.0	7473.6	7235.6	6658.8	5885.9	5107.5	4368.2	3847.4	3441.4	3276.2
7563.2	12.5°	7742.4	7756.4	7283.2	6348.0	5183.1	4071.4	3024.2	2466.9	2105.7	1971.3
7871.2	15°	8075.7	8056.1	7288.8	5925.1	4225.4	2878.6	1974.1	1621.3	1475.7	1430.9
8179.3	17.5°	8425.7	8344.5	7176.8	5314.7	3175.4	1968.5	1464.5	1380.5	1355.3	1344.1
8484.5	20°	8770.1	8588.1	6972.4	4516.7	2279.3	1470.1	1330.1	1304.9	1290.9	1285.3
8792.5	22.5°	9083.7	8772.9	6622.4	3589.8	1654.9	1299.3	1257.3	1234.9	1209.7	1198.5
9092.1	25°	9388.9	8879.3	6129.6	2724.6	1324.5	1215.3	1181.7	1139.7	1106.1	1092.1
9414.1	27.5°	9685.8	8946.5	5513.5	2016.1	1181.7	1136.9	1075.3	1016.5	991.3	985.7
9758.6	30°	10002.2	8968.9	4813.5	1503.7	1094.9	1038.9	949.3	882.1	868.0	870.8
10223.4	32.5°	10388.6	9002.5	4107.8	1232.1	1022.1	921.3	814.8	744.8	733.6	744.8
10901.0	35°	10850.6	9069.7	3427.4	1134.1	957.7	800.8	686.0	627.2	616.0	624.4
11769.1	37.5°	11477.9	9178.9	2791.8	1114.5	904.5	700.0	576.8	529.2	529.2	532.0
12833.1	40°	12312.3	9470.1	2223.3	1100.5	876.5	624.4	487.2	467.6	476.0	481.6
14188.4	42.5°	13328.8	10089.0	1839.7	1083.7	845.6	590.8	442.4	434.0	448.0	453.6
15812.5	45°	14468.4	10873.0	1705.3	1055.7	817.6	613.2	422.8	411.6	428.4	431.2
17632.6	47.5°	15647.3	11640.3	1688.5	1024.9	789.6	646.8	417.2	392.0	411.6	414.4
19575.9	50°	16840.2	12141.5	1705.3	977.3	744.8	646.8	420.0	372.4	389.2	397.6
21592.0	52.5°	18041.4	12371.1	1694.1	873.6	666.4	607.6	420.0	355.6	372.4	378.0
23770.6	55°	19206.3	12326.3	1523.3	719.6	565.6	537.6	408.8	341.6	352.8	355.6
25828.7	57.5°	20127.6	11701.9	1206.9	560.0	459.2	448.0	372.4	324.8	333.2	330.4
27716.0	60°	20609.2	10329.8	862.4	431.2	361.2	352.8	327.6	302.4	308.0	294.0
29314.9	62.5°	20614.8	8515.3	576.8	341.6	288.4	280.0	280.0	271.6	266.0	238.0
30552.5	65°	20175.2	6502.0	383.6	271.6	232.4	218.4	235.2	232.4	212.8	173.6
30930.6	67.5°	19178.3	4261.8	291.2	212.8	179.2	170.8	187.6	196.0	182.0	145.6
29552.9	70°	17128.6	2480.9	240.8	165.2	134.4	126.0	151.2	168.0	151.2	117.6
25260.2	72.5°	14227.6	1338.5	196.0	123.2	92.4	84.0	120.4	137.2	120.4	86.8
16207.3	75°	9232.1	716.8	151.2	81.2	47.6	53.2	89.6	100.8	84.0	56.0
4757.5	77.5°	3099.8	316.4	95.2	39.2	22.4	22.4	53.2	61.6	39.2	19.6
865.2	80°	691.6	131.6	39.2	16.8	8.4	8.4	11.2	11.2	5.6	0.0
266.0	82.5°	226.8	53.2	16.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0
67.2	85°	86.8	19.6	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.4	87.5°	33.6	2.8	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>
6916.4
6824.0
6000.7
4774.3
3206.2
1929.3
1430.9
1341.3
1279.7
1195.7
1086.5
980.1
870.8
742.0
621.6
529.2
481.6
453.6
434.0
417.2
400.4
378.0
355.6
330.4
291.2
229.6
168.0
142.8
<i>112.0</i>
84.0
50.4
16.8
0.0
0.0
0.0
0.0
0.0

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