

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: P952787

Luminaire Tested: **GALN-SB6C-740-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952787  
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-740-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

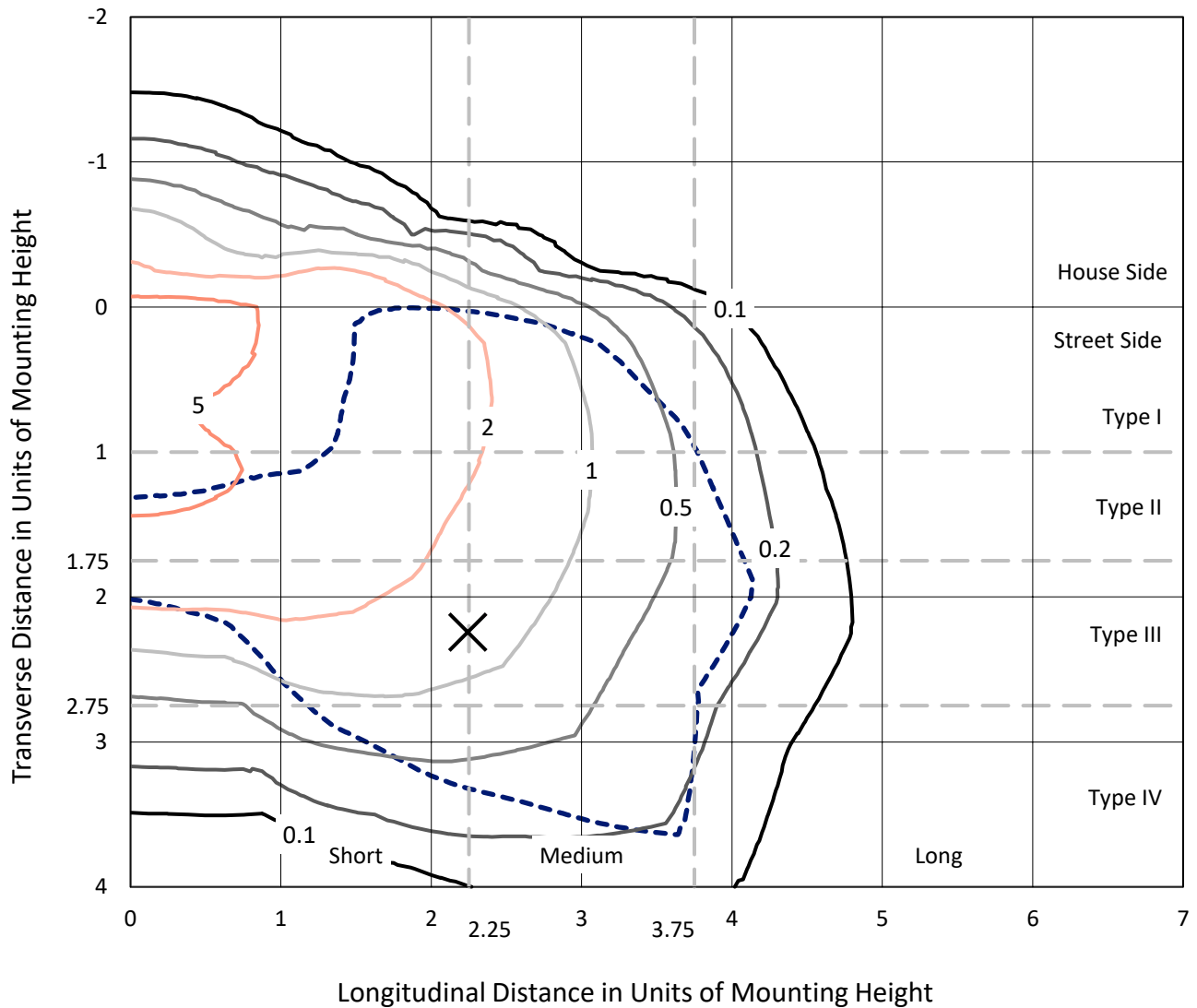
Lumens per Lamp: N/A  
Luminaire Lumens: 37010 lumens  
Efficiency: N/A  
Efficacy: 123.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

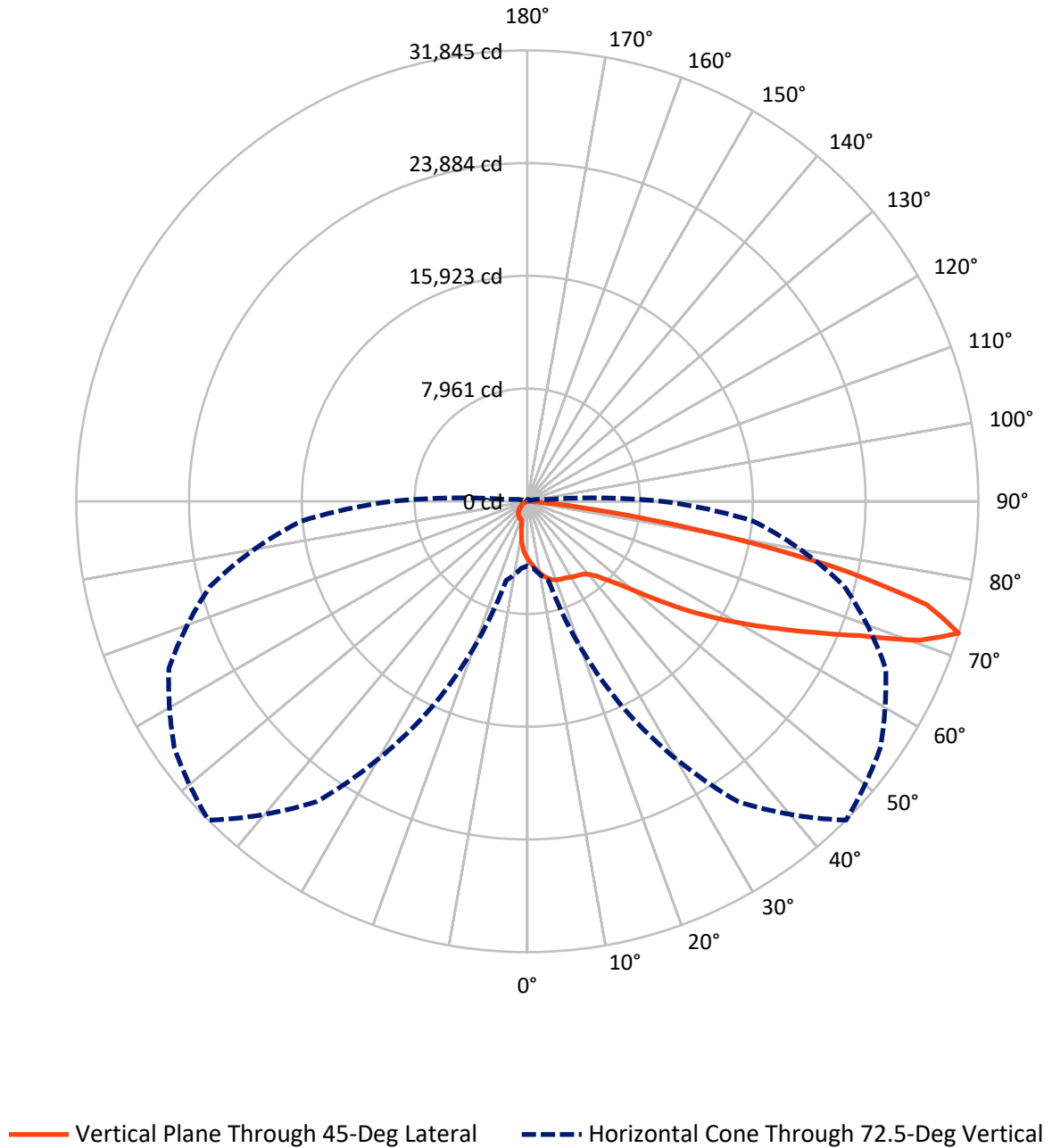
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3888.7	0.0	3888.7
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	33121.3	0.0	33121.3
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	37010.0	0.0	37010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.0	1.0
10°-20°	1116.5	3.0
20°-30°	1833.4	5.0
30°-40°	2600.2	7.0
40°-50°	4297.9	11.6
50°-60°	7720.7	20.9
60°-70°	10720.6	29.0
70°-80°	7776.4	21.0
80°-90°	562.2	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°	37010.0	100.0
0°-180°	37010.0	100.0

**Coefficient of Utilization**



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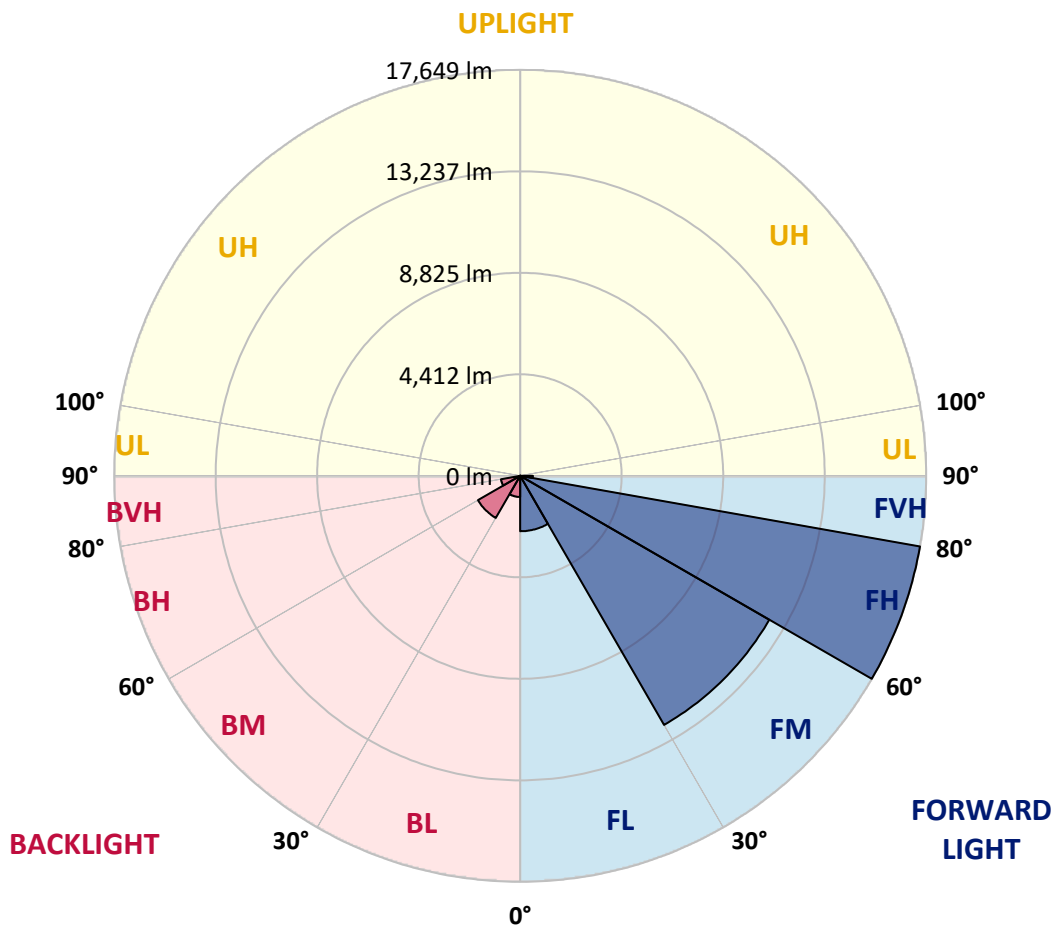
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2410.8	6.5			
FM (30°-60°)	12503.9	33.8			
FH (60°-80°)	17649.0	47.7			G5
FVH (80°-90°)	557.5	1.5			G4/750
BL (0°-30°)	921.1	2.5	B2/1000		
BM (30°-60°)	2114.9	5.7	B2/2500		
BH (60°-80°)	848.0	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.7	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°	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5
2.5°	4428.4	4436.0	4430.9	4400.6	4350.1	4322.3	4307.1	4256.6	4223.8	4165.7
5°	4835.1	4865.4	4847.7	4787.1	4691.1	4622.9	4602.7	4499.1	4405.7	4297.0
7.5°	5267.1	5282.2	5249.4	5171.1	5042.3	4926.1	4908.4	4764.4	4615.3	4448.6
10°	5641.0	5658.7	5608.1	5494.4	5347.9	5203.9	5178.7	5019.5	4842.7	4638.1
12.5°	5954.2	5971.9	5906.2	5769.8	5608.1	5459.1	5433.8	5267.1	5072.6	4845.2
15°	6191.7	6224.5	6136.1	5989.6	5815.3	5666.2	5653.6	5489.4	5299.9	5047.3
17.5°	6330.6	6363.5	6280.1	6103.3	5954.2	5827.9	5812.7	5676.3	5499.5	5257.0
20°	6353.4	6383.7	6295.2	6141.2	6017.4	5916.3	5908.7	5810.2	5681.4	5449.0
22.5°	6285.1	6323.0	6242.2	6118.4	6032.5	5979.5	5969.4	5913.8	5840.5	5643.5
25°	6214.4	6244.7	6184.1	6075.5	6030.0	6024.9	6032.5	6022.4	6007.3	5840.5
27.5°	6209.4	6242.2	6174.0	6070.4	6045.2	6098.2	6105.8	6153.8	6166.4	6019.9
30°	6252.3	6275.0	6209.4	6100.7	6088.1	6209.4	6211.9	6297.8	6318.0	6171.5
32.5°	6345.8	6371.0	6305.4	6146.2	6128.5	6297.8	6305.4	6419.0	6451.9	6333.1
35°	6565.6	6595.9	6520.1	6272.5	6209.4	6381.1	6403.9	6537.8	6603.4	6504.9
37.5°	7113.7	7025.3	6921.7	6527.7	6393.8	6512.5	6550.4	6707.0	6823.2	6709.5
40°	8475.3	8197.5	7874.1	6962.2	6717.1	6792.9	6823.2	6979.8	7139.0	7027.8
42.5°	10519.0	10190.6	9670.2	7962.5	7204.7	7242.6	7265.3	7401.7	7626.5	7538.1
45°	12340.4	12221.7	11691.2	9670.2	8116.6	7929.7	7957.5	8028.2	8359.1	8326.3
47.5°	13739.9	13671.7	13262.5	11630.5	9657.6	8770.9	8849.2	8882.1	9359.5	9475.7
50°	14816.1	14790.8	14424.5	13373.6	11671.0	10011.3	10039.1	9968.3	10683.2	10971.2
52.5°	15831.6	15917.5	15647.2	14992.9	13820.7	11635.6	11630.5	11297.1	12262.1	12696.6
55°	16748.6	16778.9	16806.7	16645.0	15983.2	13484.8	13436.8	12891.1	14093.6	14543.2
57.5°	17610.0	17622.7	17870.2	18201.2	18234.0	15470.3	15381.9	14727.6	16094.3	16415.1
60°	18188.5	18246.6	18769.5	19689.1	20090.7	17519.1	17471.1	16804.2	18130.4	18279.5
62.5°	17354.9	17708.5	19027.2	20851.1	21843.9	19790.1	19767.4	19140.9	20272.6	20151.4
65°	14048.1	14646.8	16965.8	21636.8	23564.2	22326.4	22359.2	21692.3	22472.9	22078.8
67.5°	9826.9	10458.4	13201.8	21699.9	25486.7	25304.8	25494.2	24448.4	24809.6	23925.5
70°	6795.4	7121.3	8907.3	20340.8	26984.7	29407.3	29402.2	27833.5	27133.7	24766.7
72.5°	4569.9	4739.1	5785.0	16137.3	25883.3	31845.1	31698.5	30420.3	27916.9	23162.6
75°	1927.5	2051.3	2677.8	9069.0	20477.2	29134.5	28737.9	26883.6	24804.6	18239.0
77.5°	611.3	664.4	1055.9	3246.1	11279.4	21899.5	21480.1	16789.0	16624.8	9149.8
80°	290.5	338.5	593.7	1303.5	4438.5	11911.0	11852.9	7616.4	7151.6	2470.6
82.5°	126.3	149.0	328.4	697.2	1985.6	4249.0	4334.9	2591.9	2144.7	937.2
85°	40.4	53.0	151.6	320.8	838.7	1055.9	1043.3	616.4	864.0	510.3
87.5°	0.0	0.0	50.5	73.3	85.9	60.6	68.2	53.0	240.0	141.5
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°
4054.5	0°	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5	4054.5
4105.0	2.5°	4074.7	4034.3	3963.6	3897.9	3839.8	3781.7	3746.3	3695.8	3690.8	3690.8
4170.7	5°	4102.5	4036.8	3910.5	3776.6	3622.5	3476.0	3329.5	3188.0	3142.6	3109.7
4276.8	7.5°	4183.4	4079.8	3880.2	3625.1	3332.0	3011.2	2786.4	2543.9	2450.4	2399.9
4418.3	10°	4299.6	4158.1	3855.0	3407.8	2932.9	2495.9	2175.0	1912.3	1811.3	1768.3
4572.4	12.5°	4428.4	4254.1	3809.5	3137.5	2495.9	1972.9	1659.7	1538.4	1523.3	1523.3
4756.8	15°	4582.5	4370.3	3731.2	2819.2	2038.6	1561.2	1450.0	1455.1	1470.2	1480.3
4936.2	17.5°	4741.6	4494.1	3607.4	2463.0	1634.4	1404.6	1407.1	1414.7	1427.3	1437.4
5130.7	20°	4913.4	4617.9	3443.2	2084.1	1402.0	1359.1	1366.7	1374.2	1384.3	1389.4
5312.6	22.5°	5097.8	4734.1	3248.7	1712.8	1323.7	1321.2	1323.7	1331.3	1343.9	1343.9
5524.8	25°	5294.9	4862.9	3026.4	1442.5	1283.3	1283.3	1288.4	1293.4	1303.5	1303.5
5729.4	27.5°	5497.0	4981.6	2791.4	1301.0	1247.9	1245.4	1245.4	1253.0	1258.0	1260.6
5931.5	30°	5719.3	5120.6	2556.5	1270.7	1220.1	1207.5	1199.9	1205.0	1210.0	1212.6
6143.7	32.5°	5946.6	5254.5	2346.8	1283.3	1192.4	1169.6	1144.4	1139.3	1139.3	1149.4
6363.5	35°	6199.3	5401.0	2185.1	1326.2	1177.2	1114.0	1073.6	1050.9	1053.4	1068.6
6626.2	37.5°	6502.4	5577.8	2066.4	1364.1	1167.1	1050.9	985.2	957.4	939.7	957.4
6987.4	40°	6899.0	5838.0	1980.5	1394.5	1154.5	977.6	889.2	843.7	810.9	821.0
7548.2	42.5°	7482.6	6247.3	1947.7	1397.0	1126.7	891.7	790.7	730.1	682.1	684.6
8392.0	45°	8301.0	6894.0	2116.9	1364.1	1066.0	798.3	687.1	606.3	576.0	568.4
9652.5	47.5°	9422.7	7836.2	2508.5	1295.9	977.6	707.3	586.1	517.9	495.1	482.5
11307.2	50°	10925.7	9046.3	2943.0	1220.1	889.2	621.4	502.7	459.8	444.6	432.0
13270.0	52.5°	12668.8	10274.0	3299.2	1144.4	800.8	545.7	449.7	424.4	411.8	401.7
15164.7	55°	14267.9	11120.3	3279.0	1063.5	714.9	485.0	411.8	396.6	381.5	371.3
16796.6	57.5°	15263.2	11239.0	2703.0	975.1	616.4	437.0	376.4	366.3	348.6	336.0
18208.7	60°	15720.4	10562.0	1894.6	858.9	517.9	391.6	338.5	333.5	310.7	293.0
19545.1	62.5°	15803.8	9303.9	1263.1	714.9	432.0	348.6	300.6	293.0	262.7	232.4
20631.3	65°	15465.3	7505.3	874.1	558.3	368.8	303.1	257.7	242.5	209.7	179.4
20889.0	67.5°	14394.2	5269.6	608.8	401.7	313.2	240.0	204.6	199.6	174.3	149.0
19575.4	70°	12431.3	3003.6	406.7	300.6	247.6	164.2	161.7	166.7	141.5	121.3
15993.3	72.5°	9531.3	1374.2	252.6	219.8	169.3	111.2	128.8	131.4	108.6	90.9
9978.4	75°	5610.7	588.6	159.1	141.5	85.9	73.3	93.5	96.0	73.3	58.1
3647.8	77.5°	1909.8	222.3	101.0	83.4	42.9	40.4	60.6	60.6	40.4	22.7
732.6	80°	434.5	83.4	50.5	32.8	20.2	17.7	20.2	17.7	10.1	2.5
224.8	82.5°	123.8	32.8	20.2	12.6	7.6	7.6	2.5	0.0	0.0	0.0
78.3	85°	35.4	15.2	5.1	5.1	0.0	0.0	0.0	0.0	0.0	0.0
27.8	87.5°	15.2	2.5	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>
4054.5
3703.4
3124.9
2407.5
1768.3
1523.3
1480.3
1437.4
1391.9
1349.0
1306.0
1263.1
1217.6
1157.0
1076.2
952.4
816.0
674.5
558.3
474.9
429.5
399.1
366.3
333.5
288.0
217.3
169.3
141.5
111.2
<i>80.8</i>
50.5
17.7
0.0
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0.0
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