

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: P938838

Luminaire Tested: **GALN-SB1A-927-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938838  
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-SB1A-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

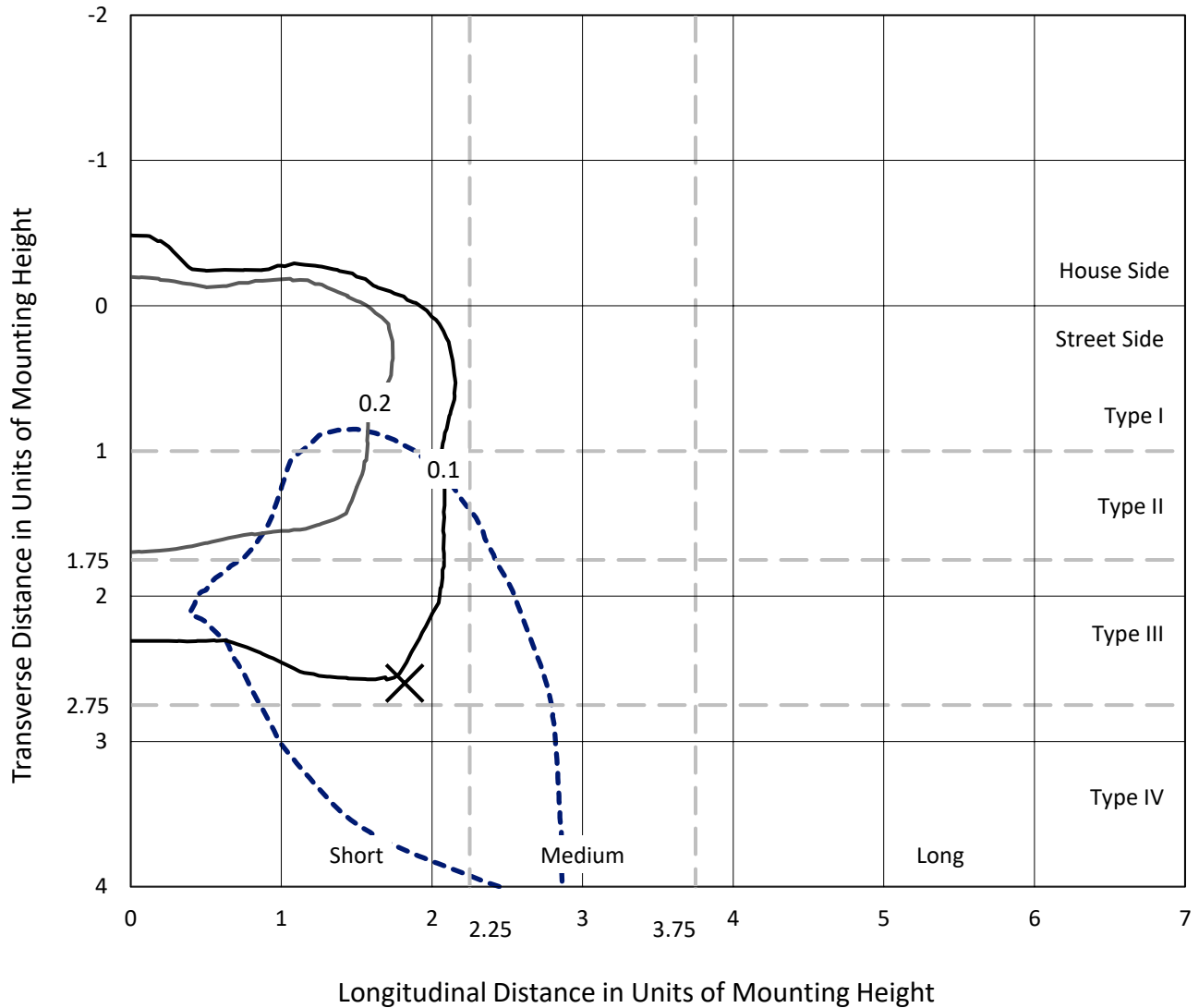
Lumens per Lamp: N/A  
Luminaire Lumens: 2068 lumens  
Efficiency: N/A  
Efficacy: 66.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

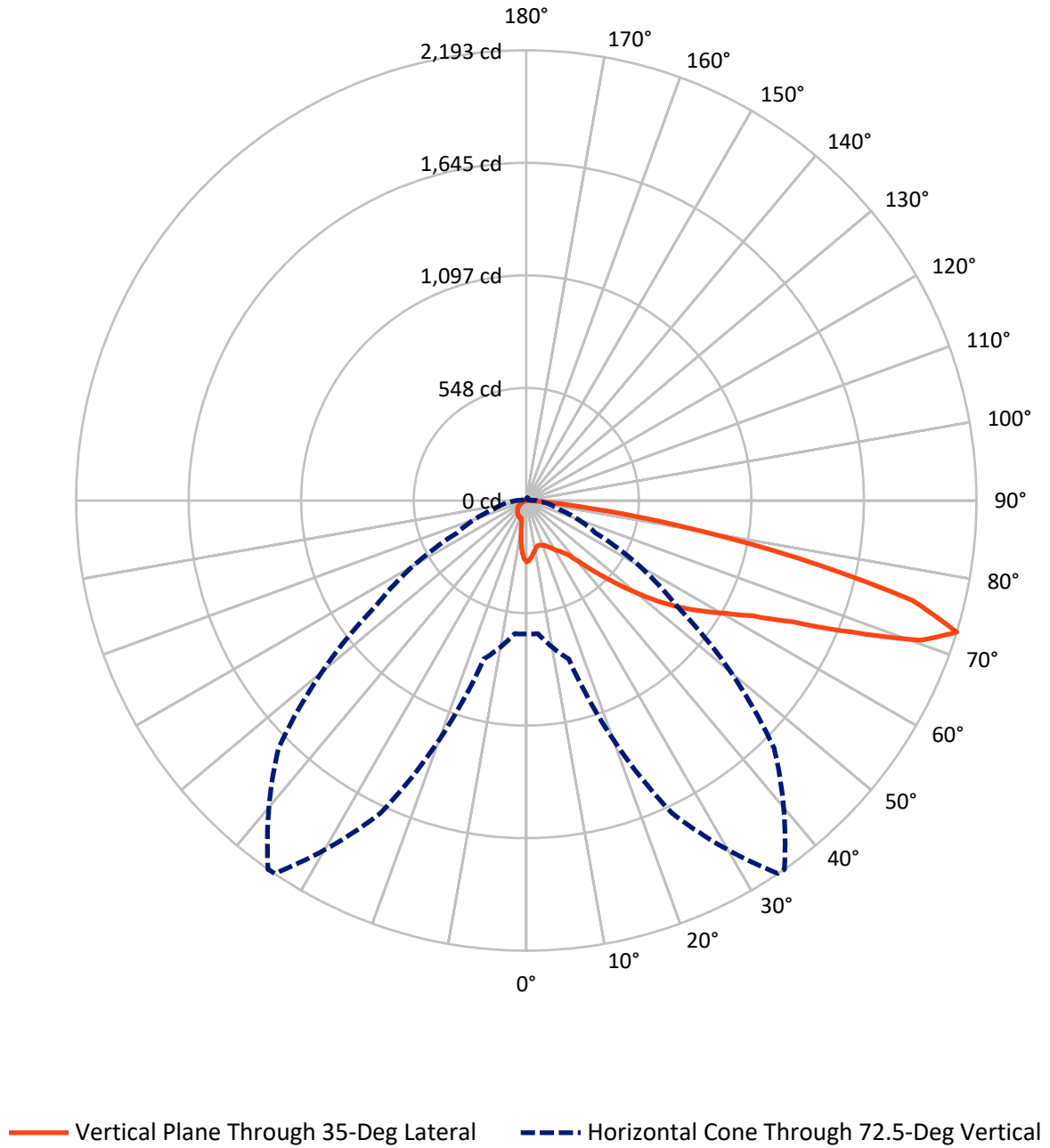
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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	232.7	0.0	232.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	1835.3	0.0	1835.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	2068.0	0.0	2068.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.6	1.2
10°-20°	57.6	2.8
20°-30°	93.6	4.5
30°-40°	156.2	7.6
40°-50°	295.5	14.3
50°-60°	469.5	22.7
60°-70°	580.8	28.1
70°-80°	361.0	17.5
80°-90°	29.2	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°	2068.0	100.0
0°-180°	2068.0	100.0

**Coefficient of Utilization**



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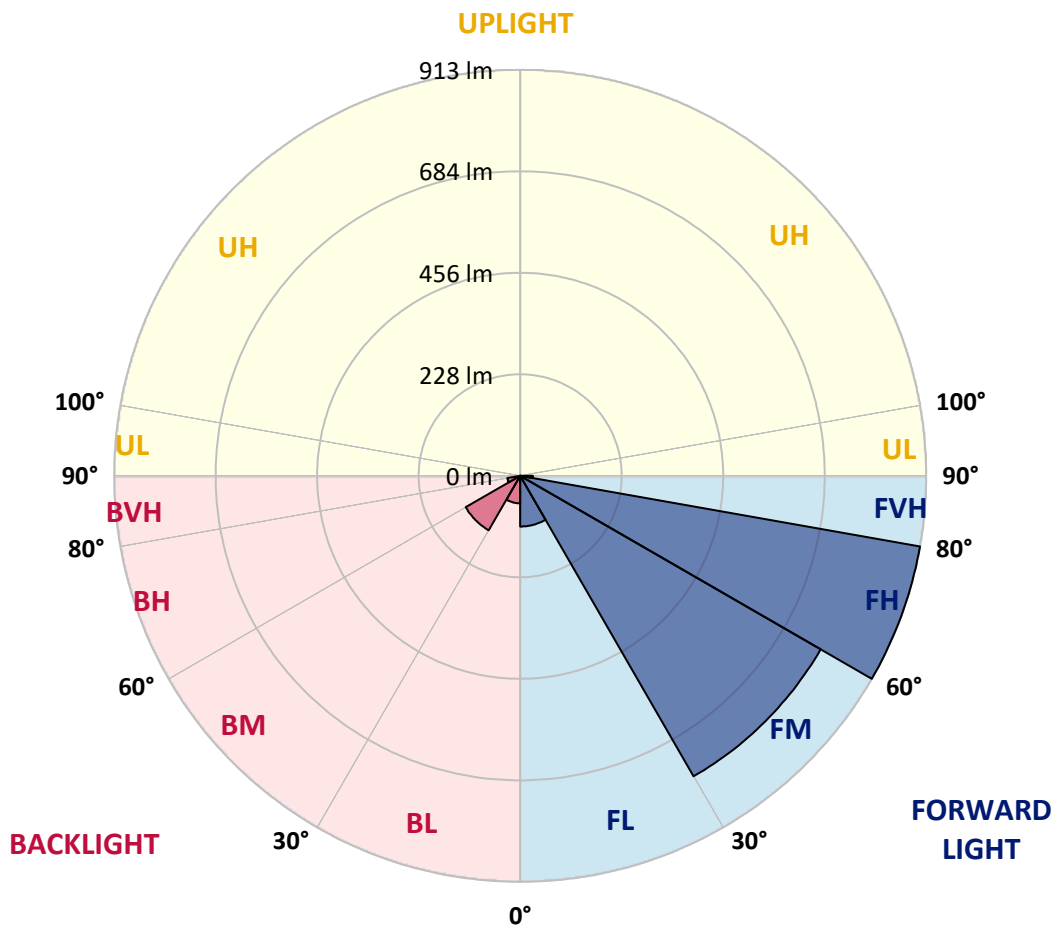
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	114.0	5.5			
FM (30°-60°)	779.8	37.7			
FH (60°-80°)	912.6	44.1			G1/1800
FVH (80°-90°)	28.8	1.4			G1/100
BL (0°-30°)	61.8	3.0	B0/110		
BM (30°-60°)	141.3	6.8	B0/220		
BH (60°-80°)	29.2	1.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7
2.5°	286.4	288.8	289.3	290.0	290.0	290.9	292.4	294.6	298.1	299.9
5°	264.0	265.8	268.1	269.9	273.4	273.8	279.7	285.5	293.5	299.6
7.5°	241.4	243.5	246.5	250.9	255.5	256.8	265.8	275.5	288.2	299.6
10°	225.5	225.6	228.4	232.7	240.0	241.7	252.6	266.4	282.3	297.8
12.5°	216.5	217.6	218.8	222.1	229.1	230.2	241.8	258.1	276.4	296.7
15°	216.5	217.3	218.0	219.7	225.3	226.2	236.5	252.7	273.4	297.1
17.5°	218.8	220.0	219.4	221.4	227.3	227.9	237.0	251.2	273.2	300.0
20°	224.3	225.2	224.0	225.2	231.1	232.3	241.7	254.1	275.8	305.0
22.5°	232.9	233.4	230.5	231.4	237.4	239.0	249.9	262.3	282.0	313.1
25°	243.8	244.7	240.3	241.4	247.1	249.0	261.5	274.6	291.8	324.1
27.5°	256.4	256.8	253.1	252.9	260.3	262.9	275.6	289.7	305.0	338.1
30°	270.8	272.1	268.5	267.9	277.3	279.4	292.0	308.4	324.4	359.0
32.5°	282.1	283.2	281.1	282.6	292.1	293.8	311.8	334.7	354.9	388.7
35°	298.5	299.1	294.3	297.0	307.9	312.1	339.0	371.7	393.2	425.9
37.5°	357.8	357.8	337.1	323.7	334.1	337.9	376.1	418.2	440.5	475.9
40°	439.7	438.4	408.2	380.6	379.3	386.7	429.0	476.9	501.6	536.0
42.5°	527.2	525.0	484.0	456.7	452.2	454.7	490.0	549.1	574.3	609.1
45°	604.7	604.1	566.6	529.9	521.7	529.9	566.3	633.7	651.7	688.4
47.5°	669.8	669.8	642.3	618.4	614.1	619.0	669.5	727.5	725.8	772.8
50°	744.6	744.0	717.9	707.6	712.0	718.8	788.2	826.3	802.5	855.7
52.5°	797.0	800.7	791.7	790.1	812.5	824.3	908.9	923.0	871.1	934.3
55°	838.6	842.8	853.1	864.8	908.0	923.4	1025.7	1014.6	928.6	1002.5
57.5°	897.3	891.3	907.2	930.2	1000.1	1018.7	1138.9	1101.2	974.8	1057.8
60°	968.7	969.6	972.4	1001.4	1092.1	1116.0	1250.4	1183.0	1004.5	1091.8
62.5°	1054.5	1055.8	1061.5	1106.2	1215.6	1238.1	1369.2	1250.0	1018.1	1082.2
65°	1048.6	1054.3	1116.9	1269.8	1403.3	1425.6	1507.9	1296.9	997.5	994.9
67.5°	955.2	964.6	1069.3	1465.3	1686.4	1711.2	1675.4	1306.2	908.6	773.7
70°	832.8	836.1	962.1	1641.0	2014.1	2039.3	1825.5	1204.5	689.5	431.6
72.5°	650.4	651.1	798.9	1681.8	2192.0	2193.4	1707.7	894.2	370.8	165.8
75°	464.6	460.0	535.0	1363.9	1928.5	1944.0	1280.3	419.4	141.7	78.3
77.5°	249.1	254.1	302.8	808.9	1332.2	1358.6	698.5	120.9	72.1	53.3
80°	77.0	81.2	124.1	370.3	754.6	770.5	259.0	53.8	50.3	38.0
82.5°	24.2	25.2	57.9	155.6	313.2	320.5	75.0	30.5	34.4	25.2
85°	7.0	7.1	25.8	58.0	77.4	78.9	21.1	11.8	19.7	15.6
87.5°	0.8	2.4	9.7	9.7	6.8	6.7	2.3	2.6	5.6	2.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
299.7	0°	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7	299.7
301.1	2.5°	300.3	300.5	298.5	295.2	291.5	288.5	284.7	281.7	279.6	279.0
303.8	5°	302.5	301.4	295.8	285.6	273.5	263.1	251.4	242.1	236.1	233.5
306.7	7.5°	305.6	302.6	290.3	270.3	247.1	226.5	205.6	189.4	179.1	174.0
309.4	10°	308.4	302.3	281.2	248.2	212.7	181.5	153.3	133.8	122.9	117.7
312.6	12.5°	310.9	302.1	269.4	222.0	174.0	135.8	109.6	99.9	96.8	95.8
317.8	15°	315.8	302.6	254.6	192.0	135.3	102.6	93.0	92.9	93.5	93.2
325.6	17.5°	322.5	303.1	237.7	160.2	104.4	90.5	90.0	91.4	92.3	91.8
335.5	20°	331.1	304.9	219.9	128.6	89.7	87.4	88.5	89.7	90.5	89.7
348.7	22.5°	343.2	308.1	200.3	103.3	85.0	85.6	86.5	87.9	88.6	87.6
365.5	25°	358.1	313.1	181.1	89.9	82.7	83.5	84.9	86.4	87.3	86.2
386.7	27.5°	377.3	321.1	163.3	86.8	80.5	80.9	82.9	85.2	86.4	85.0
416.9	30°	405.2	334.3	148.0	88.2	79.1	78.0	80.8	83.9	85.3	84.1
457.9	32.5°	442.2	352.9	138.6	90.3	78.5	74.7	77.3	81.4	83.6	82.9
511.6	35°	490.6	381.2	135.0	92.7	78.0	71.2	73.0	77.4	81.4	82.1
579.1	37.5°	549.4	420.6	136.1	93.8	76.7	68.3	69.2	73.0	78.2	80.6
655.2	40°	616.3	466.6	142.1	92.7	75.2	65.9	66.1	68.9	73.5	77.1
737.0	42.5°	685.2	520.2	153.3	88.8	73.8	63.8	63.3	65.3	68.3	70.9
818.7	45°	750.8	575.4	164.4	83.3	72.1	61.7	60.6	61.4	62.0	63.0
898.3	47.5°	808.1	614.1	161.2	78.3	69.9	59.2	57.4	57.1	55.3	55.2
969.3	50°	847.6	622.6	143.2	73.3	66.5	56.5	53.6	51.8	48.6	47.1
1022.5	52.5°	860.2	589.1	117.0	68.3	61.1	52.9	48.8	45.9	42.0	40.6
1053.1	55°	843.6	523.5	93.5	62.3	53.5	48.0	43.5	39.7	36.5	34.9
1056.5	57.5°	802.8	440.0	73.9	55.2	45.5	42.6	38.0	34.2	31.5	29.9
1019.5	60°	735.2	349.4	58.5	46.7	38.8	36.7	32.0	29.5	27.1	25.2
924.0	62.5°	632.6	249.4	45.9	37.0	32.4	30.0	27.3	25.5	22.6	19.9
752.3	65°	493.7	152.6	35.5	27.1	26.1	24.9	23.2	21.5	18.0	15.3
490.8	67.5°	311.4	72.3	25.3	20.5	20.6	20.0	19.2	17.9	15.3	12.9
219.9	70°	137.1	35.0	16.7	15.6	15.3	15.3	15.9	15.5	13.0	10.8
76.4	72.5°	46.7	18.8	12.4	11.8	11.1	10.9	13.3	12.9	10.5	8.3
38.0	75°	24.4	12.6	9.1	8.5	6.7	8.0	10.6	10.0	7.4	5.5
25.2	77.5°	15.9	8.9	6.2	5.5	3.8	5.3	7.9	7.0	4.4	2.7
16.5	80°	10.0	5.9	3.6	2.6	1.8	2.9	4.2	3.0	1.7	0.6
9.7	82.5°	5.3	3.0	1.4	0.9	0.8	0.9	1.1	0.8	0.3	0.0
5.0	85°	2.1	1.1	0.5	0.3	0.2	0.0	0.3	0.2	0.0	0.0
0.9	87.5°	0.8	0.2	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°  
299.7  
280.0  
234.4  
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