

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: P588429

Luminaire Tested: **GAT-CA6-LED-130-730-U-55-5-6-X**

Issue Date: 11/30/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P588429  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 11/30/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GAT-CA6-LED-130-730-U-55-5-6-X  
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR  
Light Source: (6) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11275 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B4 - U3 - G3

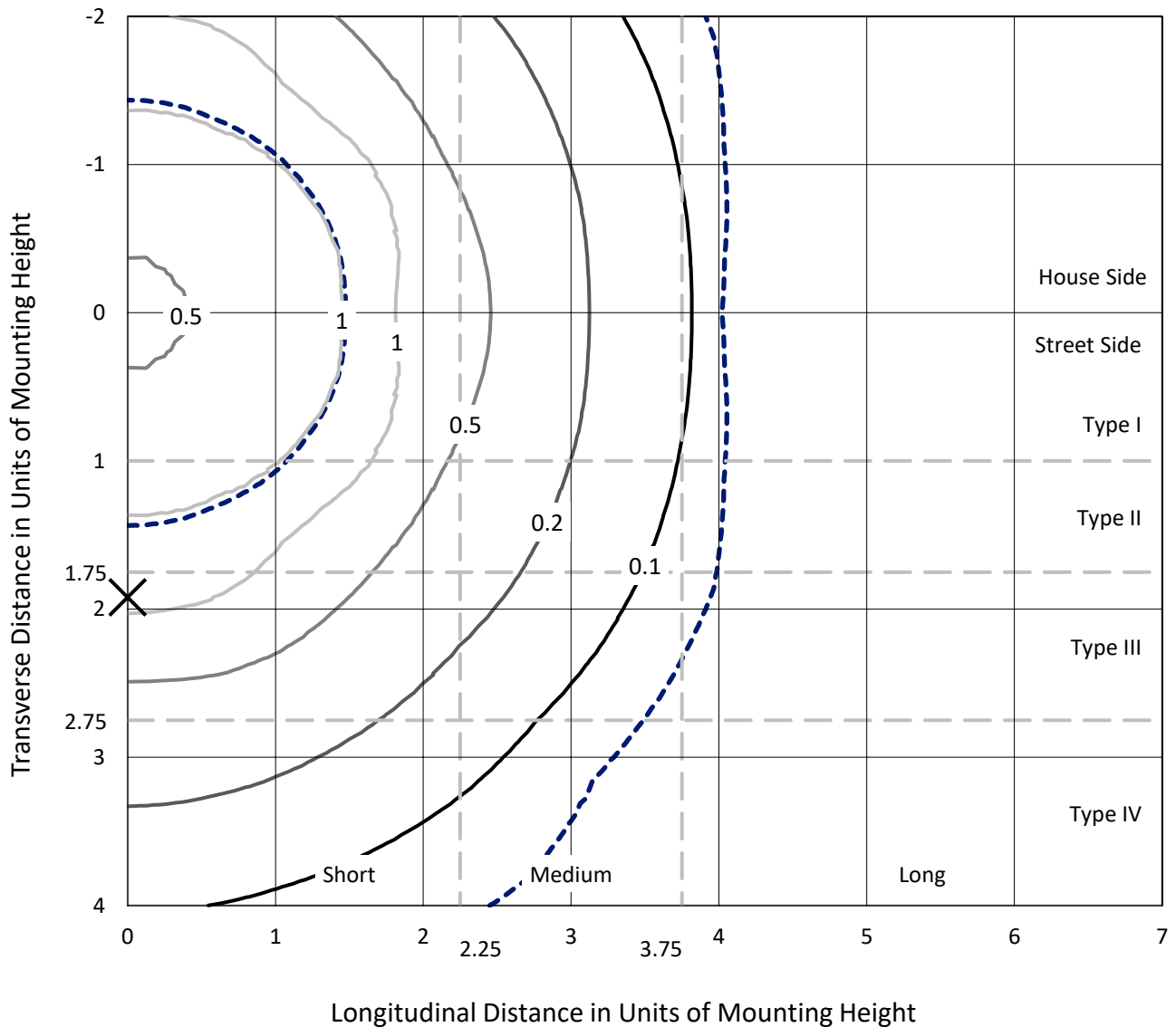
Input Watts (W): 124.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

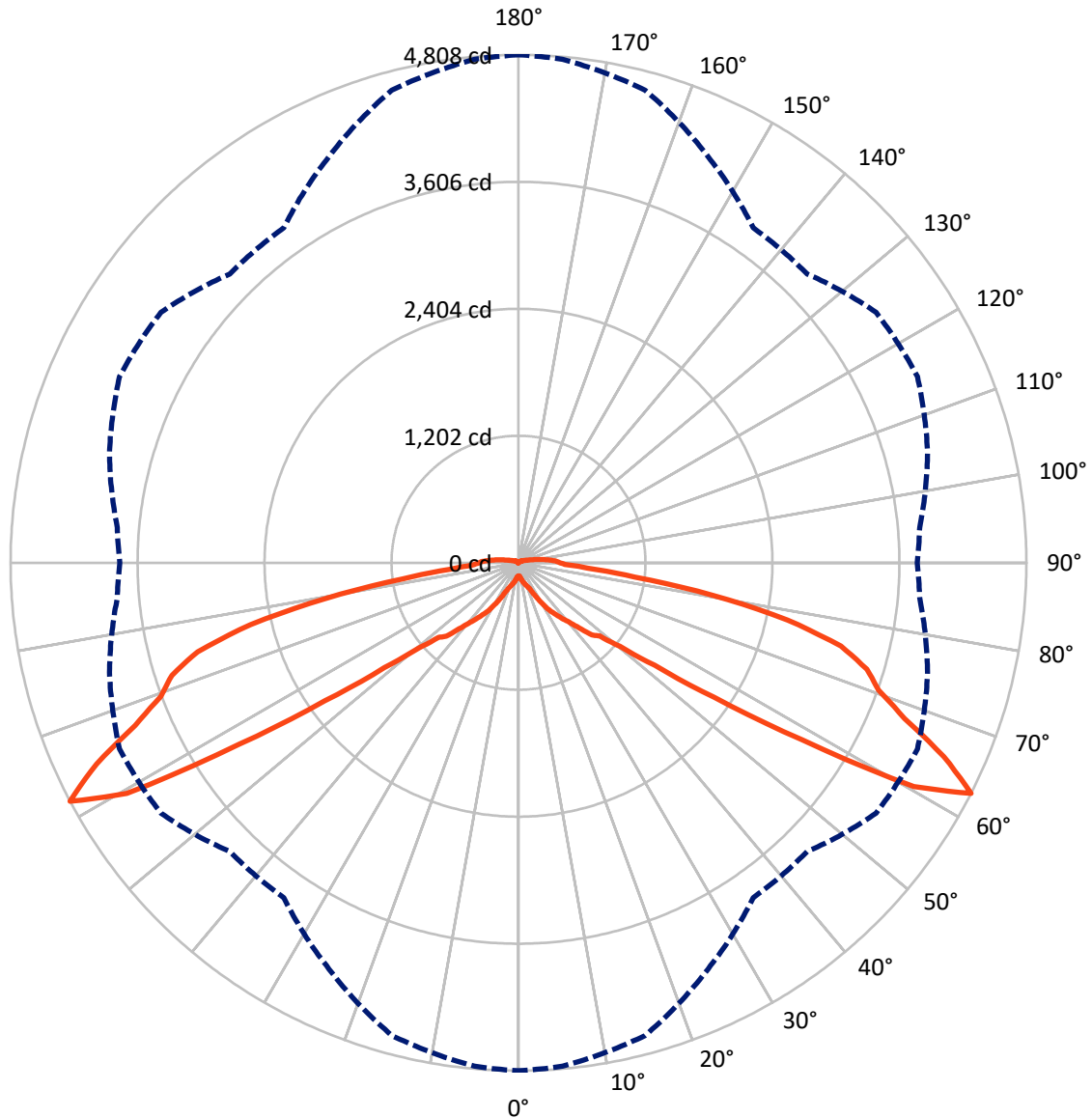
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.3 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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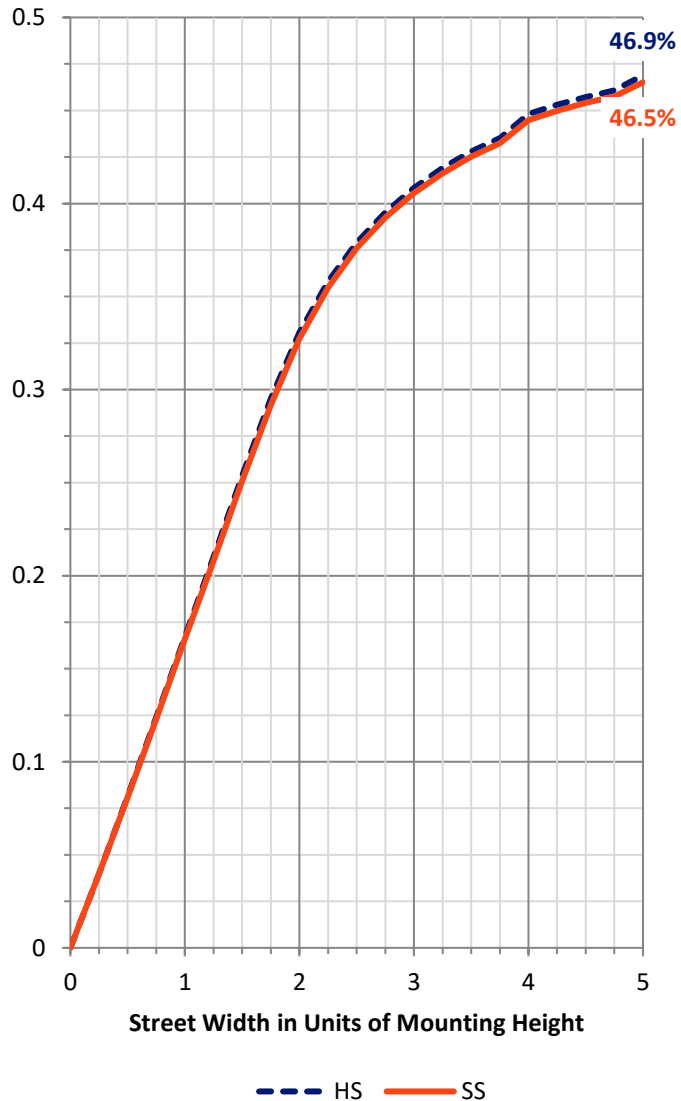
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5420.8	216.7	5637.5
	% Fixture	48.1	1.9	50.0
<b>Street Side</b>	Lumens	5420.8	216.7	5637.5
	% Fixture	48.1	1.9	50.0
<b>Total</b>	Lumens	10841.7	433.3	11275.0
	% Fixture	96.2	3.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.1
10°-20°	56.8	0.5
20°-30°	149.9	1.3
30°-40°	341.0	3.0
40°-50°	689.8	6.1
50°-60°	2042.0	18.1
60°-70°	3836.3	34.0
70°-80°	2851.6	25.3
80°-90°	860.8	7.6
90°-100°	279.3	2.5
100°-110°	97.9	0.9
110°-120°	37.8	0.3
120°-130°	15.0	0.1
130°-140°	3.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	10841.7	96.2
0°-180°	11275.0	100.0

**Coefficient of Utilization**



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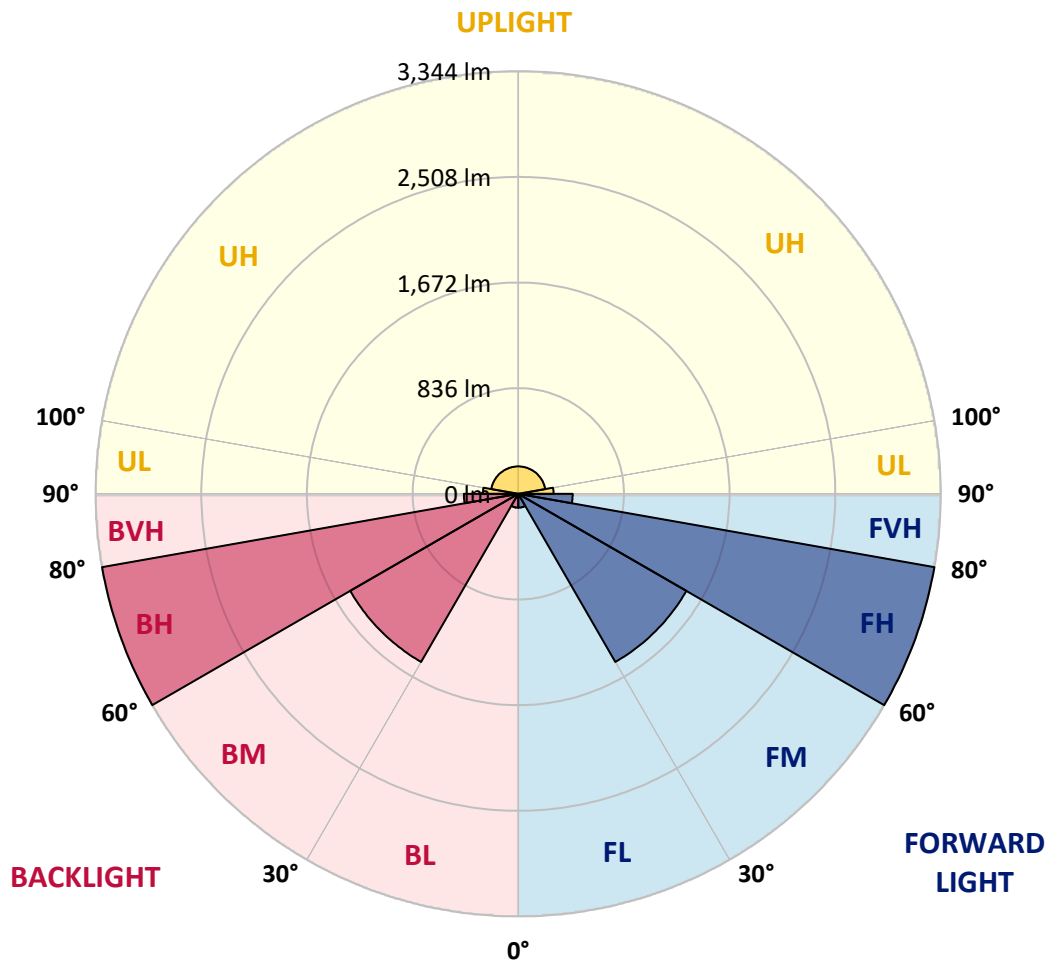
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.1	1.0			
FM (30°-60°)	1536.4	13.6			
FH (60°-80°)	3343.9	29.7			G2/5000
FVH (80°-90°)	430.4	3.8			G3/500
BL (0°-30°)	110.1	1.0	B1/500		
BM (30°-60°)	1536.4	13.6	B2/2500		
BH (60°-80°)	3343.9	29.7	B4/5000		G2/5000
BVH (80°-90°)	430.4	3.8			G3/500
UL (90°-100°)	279.3	2.5		U3/500	
UH (100°-180°)	216.7	1.9		U3/500	

**BUG Rating: B4-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	126.1	126.1	126.1	124.0	121.9	121.9	121.9	121.9	119.7	119.7	119.7
5°	132.5	132.5	130.4	128.3	128.3	126.1	128.3	126.1	126.1	126.1	128.3
7.5°	147.5	147.5	145.4	145.4	145.4	143.2	143.2	143.2	143.2	141.1	143.2
10°	164.6	164.6	164.6	164.6	164.6	162.5	162.5	160.3	160.3	160.3	160.3
12.5°	183.8	181.7	181.7	183.8	181.7	179.6	179.6	179.6	177.4	177.4	177.4
15°	201.0	201.0	198.8	198.8	198.8	196.7	196.7	194.5	194.5	192.4	192.4
17.5°	218.1	218.1	215.9	213.8	213.8	213.8	211.6	211.6	209.5	209.5	209.5
20°	239.4	237.3	235.2	233.0	230.9	230.9	230.9	230.9	228.7	226.6	226.6
22.5°	262.9	260.8	258.7	256.5	256.5	254.4	254.4	252.3	252.3	250.1	248.0
25°	312.1	312.1	303.6	301.4	301.4	303.6	301.4	299.3	295.0	288.6	288.6
27.5°	378.4	380.5	382.7	393.4	391.2	376.3	367.7	363.4	361.3	361.3	363.4
30°	453.2	455.3	461.8	472.5	466.0	446.8	425.4	416.9	423.3	431.8	434.0
32.5°	532.3	532.3	519.5	504.5	489.6	476.7	470.3	466.0	463.9	457.5	457.5
35°	594.3	583.6	543.0	493.8	478.9	487.4	513.1	521.6	489.6	459.6	455.3
37.5°	664.9	662.7	630.6	594.3	566.5	562.2	590.0	598.6	564.4	545.1	543.0
40°	739.7	744.0	750.4	735.4	692.6	679.8	664.9	654.2	654.2	656.3	652.0
42.5°	840.2	846.6	846.6	848.7	814.5	784.6	754.6	737.5	735.4	752.5	758.9
45°	974.8	974.8	959.9	929.9	915.0	893.6	874.4	857.3	848.7	850.8	857.3
47.5°	1034.7	1039.0	1026.1	983.4	972.7	951.3	923.5	917.1	921.4	927.8	929.9
50°	1244.2	1233.5	1145.9	1056.1	1024.0	1045.4	1086.0	1096.7	1056.1	1015.5	1004.8
52.5°	1611.9	1609.8	1541.3	1475.1	1430.2	1417.4	1472.9	1477.2	1406.7	1376.7	1372.5
55°	2249.0	2225.4	2276.7	2308.8	2214.8	2110.0	2071.5	2018.1	2022.3	2082.2	2084.3
57.5°	3153.2	3166.1	3223.8	3140.4	2997.2	2920.2	2866.8	2766.3	2768.4	2821.9	2826.2
60°	4301.2	4299.1	4115.2	3794.6	3574.4	3589.3	3736.9	3758.2	3529.5	3382.0	3364.9
62.5°	4807.9	4784.4	4632.6	4243.5	3871.5	3865.1	4132.3	4166.6	4008.4	3811.7	3773.2
65°	4425.2	4406.0	4470.1	4337.6	3848.0	3721.9	3803.1	3794.6	3895.1	3984.8	3995.5
67.5°	3939.9	3944.2	4098.1	4057.5	3717.6	3503.8	3401.2	3388.4	3576.5	3786.0	3813.8
70°	3615.0	3615.0	3724.0	3559.4	3396.9	3258.0	3151.1	3084.8	3206.7	3240.9	3238.8
72.5°	3448.3	3433.3	3356.3	3198.1	3074.1	2952.3	2984.4	2935.2	2877.5	2787.7	2779.1
75°	3151.1	3134.0	3027.1	2952.3	2862.5	2710.7	2738.5	2689.3	2593.1	2511.9	2499.1
77.5°	2603.8	2603.8	2535.4	2479.8	2454.2	2323.8	2311.0	2287.4	2191.2	2146.3	2129.2
80°	1864.2	1859.9	1832.1	1812.8	1844.9	1768.0	1733.7	1733.7	1695.3	1654.6	1635.4
82.5°	1109.5	1094.5	1094.5	1101.0	1081.7	1032.6	1041.1	1090.3	1086.0	1062.5	1045.4
85°	656.3	647.8	641.3	632.8	615.7	581.5	581.5	585.8	590.0	592.2	583.6
87.5°	438.2	436.1	436.1	436.1	416.9	393.4	404.0	410.5	406.2	404.0	401.9
90°	382.7	384.8	382.7	374.1	357.0	335.6	339.9	348.5	344.2	344.2	342.0
92.5°	344.2	344.2	339.9	331.4	314.3	295.0	297.2	301.4	299.3	297.2	295.0
95°	282.2	282.2	277.9	271.5	256.5	239.4	241.6	245.8	241.6	241.6	239.4
97.5°	220.2	220.2	218.1	213.8	201.0	188.1	190.3	192.4	190.3	190.3	188.1
100°	166.7	166.7	164.6	158.2	151.8	141.1	143.2	147.5	145.4	145.4	143.2
102.5°	124.0	124.0	121.9	119.7	111.2	104.8	106.9	106.9	106.9	104.8	104.8
105°	96.2	96.2	96.2	91.9	87.6	81.2	81.2	81.2	81.2	79.1	79.1
107.5°	77.0	74.8	74.8	72.7	68.4	64.1	64.1	64.1	64.1	64.1	64.1
110°	62.0	59.9	57.7	57.7	53.4	51.3	49.2	51.3	51.3	51.3	51.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	53.4	51.3	47.0	47.0	44.9	40.6	40.6	40.6	44.9	42.8	42.8
115°	47.0	44.9	38.5	38.5	36.3	34.2	34.2	34.2	38.5	34.2	34.2
117.5°	40.6	38.5	32.1	32.1	29.9	27.8	27.8	27.8	32.1	27.8	27.8
120°	29.9	29.9	25.7	25.7	25.7	23.5	23.5	23.5	25.7	23.5	23.5
122.5°	23.5	23.5	21.4	21.4	21.4	19.2	19.2	19.2	19.2	17.1	17.1
125°	23.5	27.8	17.1	17.1	15.0	15.0	15.0	12.8	15.0	12.8	12.8
127.5°	25.7	23.5	12.8	12.8	12.8	10.7	10.7	10.7	10.7	10.7	10.7
130°	8.6	12.8	8.6	8.6	8.6	8.6	8.6	8.6	6.4	6.4	6.4
132.5°	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3	4.3
135°	4.3	4.3	4.3	4.3	4.3	4.3	2.1	2.1	2.1	2.1	2.1
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1
170°	0.0	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1
172.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
175°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
177.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)