

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: INVUE

Report Number: P141566

Luminaire Tested: **ECM-F03-LED-E1-SLR-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141566  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33693)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ECM-F03-LED-E1-SLR-7050  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6646.6 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

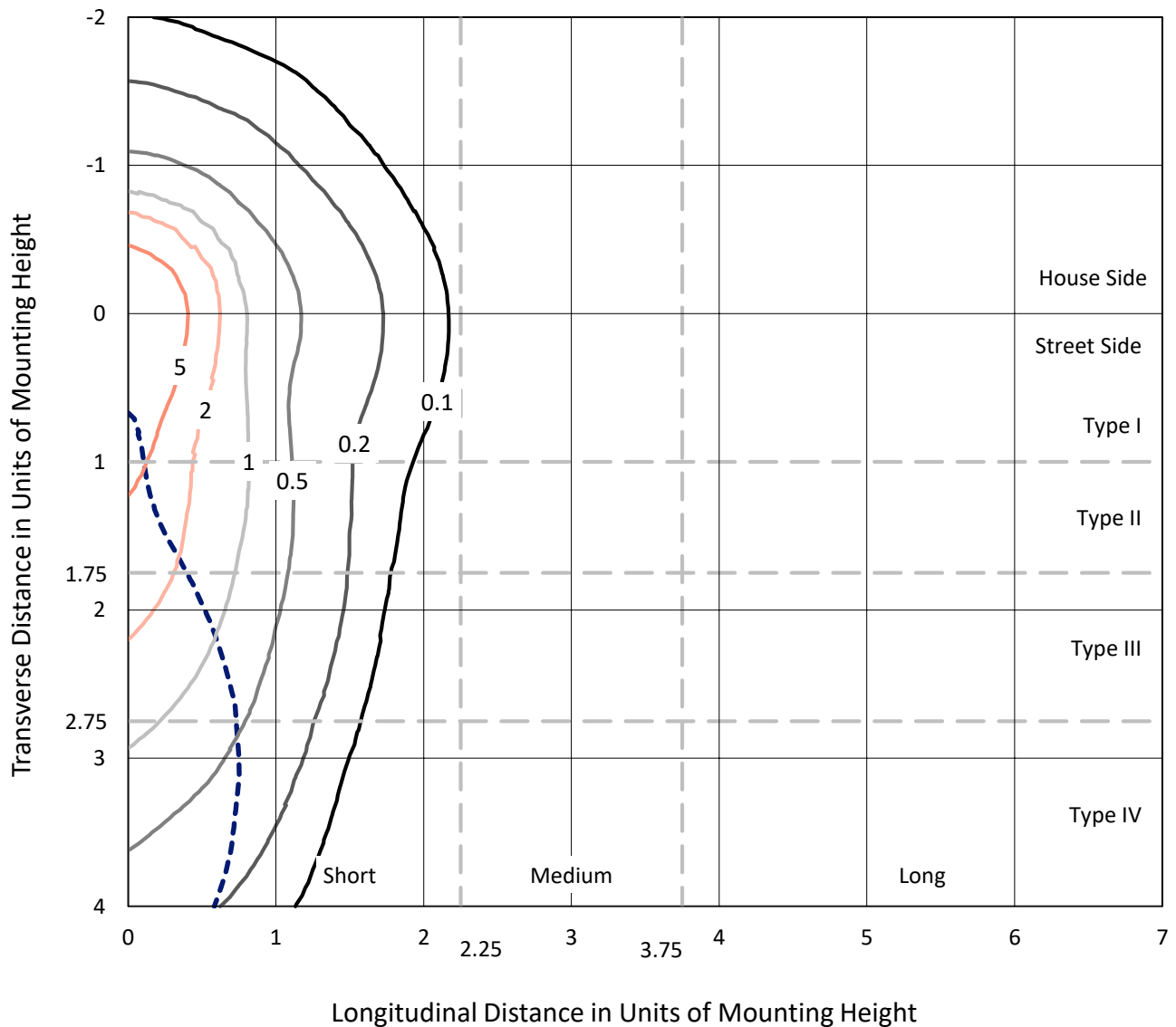
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

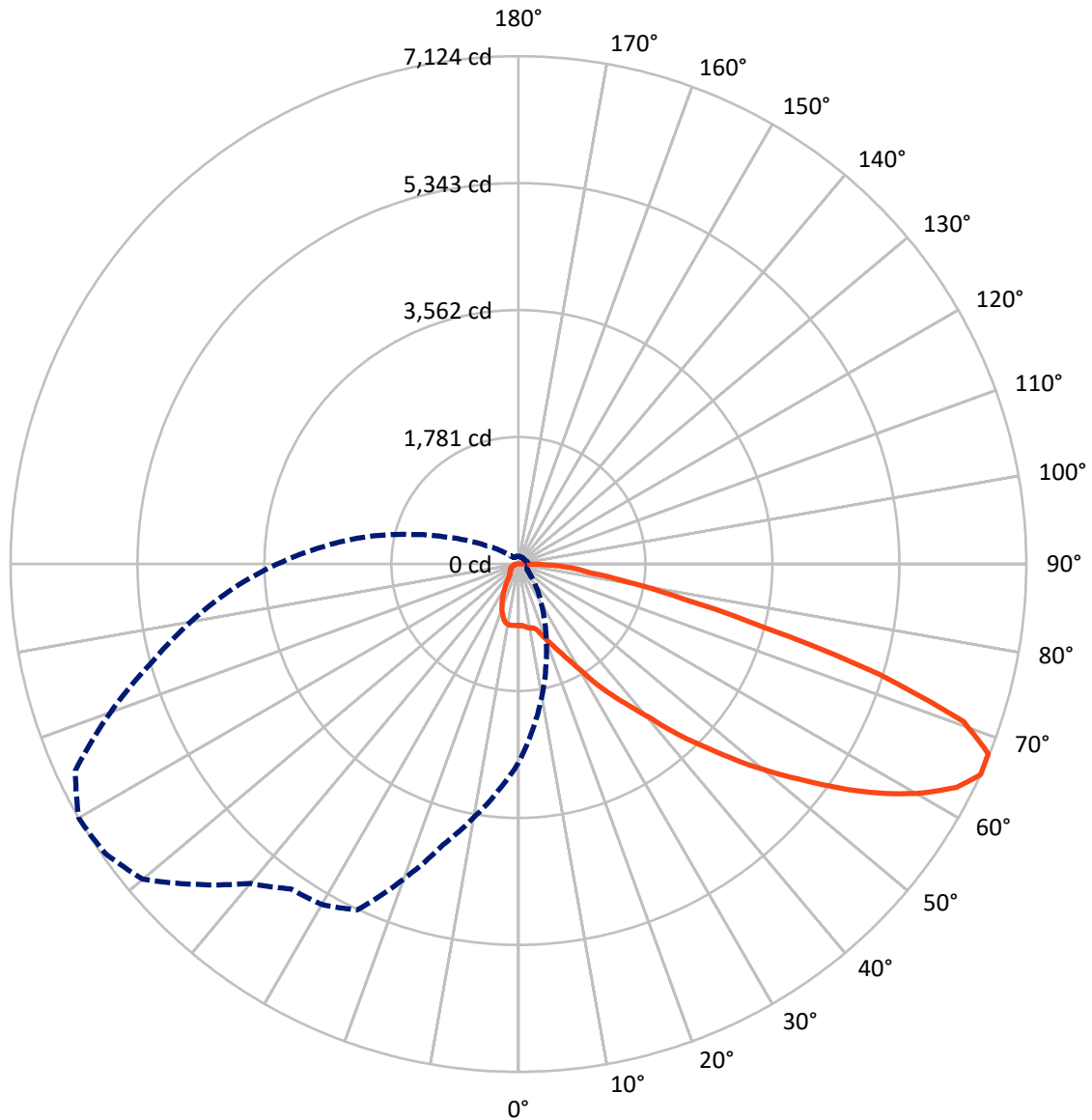
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1232.8	0.0	1232.8
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	5413.9	0.0	5413.9
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	6646.6	0.0	6646.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.6	1.3
10°-20°	251.1	3.8
20°-30°	417.1	6.3
30°-40°	609.8	9.2
40°-50°	927.5	14.0
50°-60°	1333.3	20.1
60°-70°	1639.2	24.7
70°-80°	1096.6	16.5
80°-90°	288.5	4.3
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°	6646.6	100.0
0°-180°	6646.6	100.0



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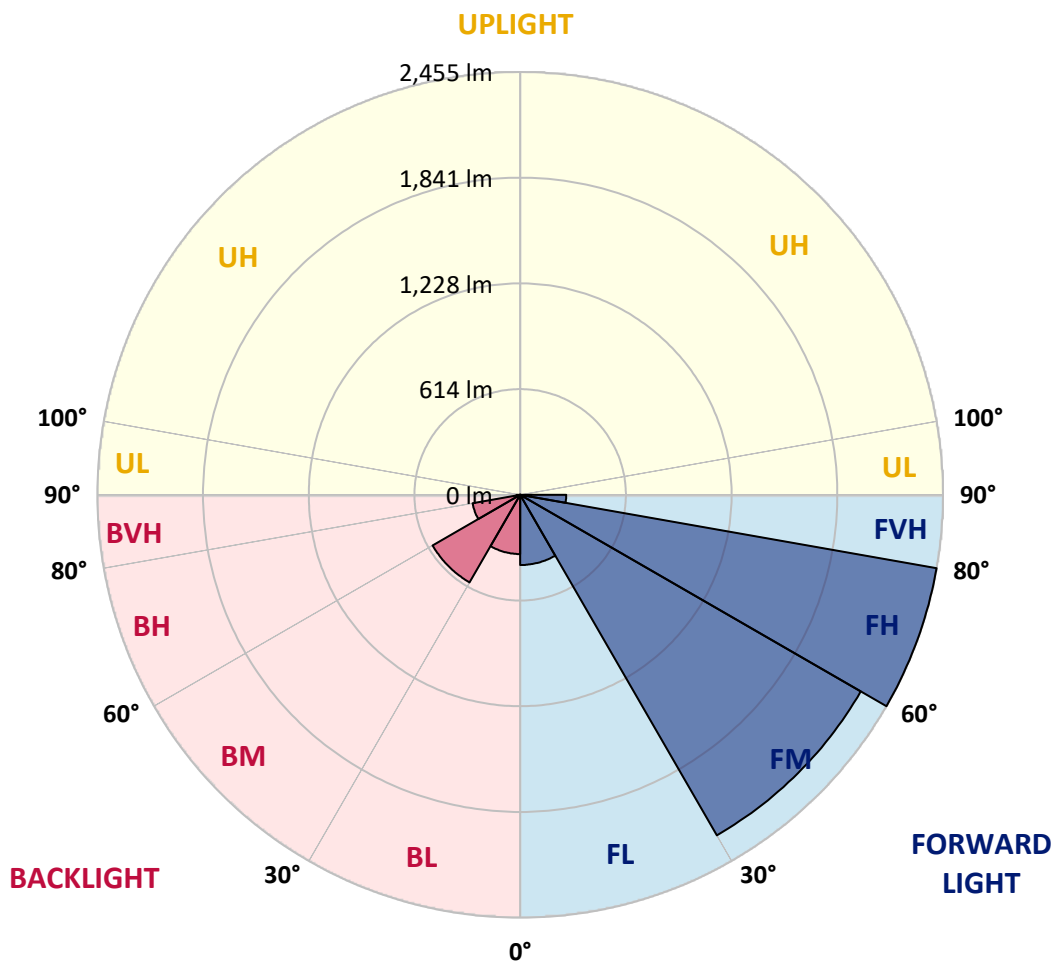
CATALOG NUMBER: ECM-F03-LED-E1-SLR-7050

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	407.7	6.1			
FM (30°-60°)	2283.4	34.4			
FH (60°-80°)	2455.2	36.9			G2/5000
FVH (80°-90°)	267.5	4.0			G3/500
BL (0°-30°)	344.1	5.2	B1/500		
BM (30°-60°)	587.2	8.8	B1/1000		
BH (60°-80°)	280.6	4.2	B1/500		G1/500
BVH (80°-90°)	21.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0
2.5°	864.9	867.4	867.4	865.7	864.9	865.7	866.6	865.7	866.6	868.3	867.4
5°	853.9	855.5	856.4	856.4	856.4	858.1	860.6	859.8	862.3	864.0	864.0
7.5°	827.6	831.0	831.0	831.8	833.5	836.1	840.3	842.0	846.2	852.2	853.9
10°	811.5	812.3	809.8	809.0	810.7	815.7	818.3	822.5	829.3	836.1	842.8
12.5°	815.7	816.6	812.3	813.2	813.2	815.7	823.4	826.7	829.3	833.5	840.3
15°	850.5	850.5	845.4	847.1	847.9	851.3	851.3	845.4	843.7	839.5	836.1
17.5°	897.1	890.3	889.4	888.6	892.0	888.6	881.0	867.4	851.3	834.4	820.8
20°	945.3	946.2	941.1	940.3	930.9	919.1	897.1	869.9	841.1	814.9	787.8
22.5°	1017.3	1019.0	1009.7	991.1	970.7	939.4	899.6	858.1	816.6	780.2	748.8
25°	1126.6	1108.8	1087.6	1048.7	997.0	941.9	886.9	835.2	781.0	732.7	692.9
27.5°	1235.0	1199.5	1142.7	1079.2	1006.3	935.2	869.9	800.5	736.1	677.7	631.9
30°	1335.8	1269.8	1188.4	1097.8	1004.6	913.1	830.1	751.4	675.1	612.4	558.2
32.5°	1438.3	1341.8	1229.1	1102.0	979.2	869.9	774.2	683.6	608.2	532.0	473.5
35°	1567.1	1421.4	1253.7	1086.0	935.2	802.2	699.7	613.3	532.0	454.9	393.9
37.5°	1684.8	1484.9	1266.4	1058.8	877.6	731.9	619.2	531.1	454.9	389.7	337.1
40°	1771.2	1526.4	1264.7	1024.1	819.1	659.9	548.9	469.3	400.7	349.0	308.3
42.5°	1839.0	1550.1	1256.2	991.1	768.3	607.4	503.2	430.3	376.1	334.6	303.3
45°	1885.6	1567.1	1251.1	964.8	734.4	581.9	487.9	426.9	381.2	343.9	308.3
47.5°	1926.2	1586.6	1249.4	953.0	726.8	589.6	508.2	453.2	403.2	354.9	307.5
50°	1966.9	1606.1	1264.7	972.4	755.6	631.9	555.7	485.4	416.8	351.5	293.1
52.5°	2022.8	1662.8	1321.4	1028.3	818.3	691.2	600.6	511.6	419.3	343.1	279.5
55°	2106.7	1750.9	1402.8	1102.0	886.0	755.6	637.0	521.8	416.8	333.7	266.8
57.5°	2243.9	1880.5	1513.7	1204.5	974.1	805.6	657.3	526.0	410.8	323.6	256.7
60°	2417.6	2028.7	1653.5	1312.1	1049.5	840.3	665.8	524.3	402.4	311.7	242.3
62.5°	2614.9	2191.4	1779.7	1410.4	1103.7	856.4	662.4	510.8	382.9	287.2	221.9
65°	2788.6	2321.0	1885.6	1489.2	1137.6	856.4	641.2	479.4	348.1	252.4	195.7
67.5°	2930.9	2430.3	1966.9	1534.9	1141.0	826.7	590.4	422.7	293.1	209.2	165.2
70°	3005.4	2465.0	1992.3	1529.8	1084.3	741.2	497.2	328.7	215.2	162.6	133.0
72.5°	2923.3	2382.8	1883.9	1382.4	904.7	553.1	348.1	223.6	154.2	126.2	110.1
75°	2601.4	2022.0	1567.9	1069.0	648.0	344.8	216.0	156.7	122.0	105.0	96.6
77.5°	1942.3	1506.9	1079.2	676.8	371.0	209.2	151.6	119.4	102.5	92.3	84.7
80°	1221.5	928.4	648.9	372.7	211.8	154.2	126.2	106.7	93.2	80.5	72.8
82.5°	680.2	494.7	330.4	212.6	147.4	124.5	109.3	98.3	83.0	70.3	62.7
85°	465.0	305.8	208.4	139.8	101.6	90.6	81.3	74.5	63.5	53.4	49.1
87.5°	188.9	176.2	127.9	55.9	41.5	37.3	33.0	40.7	33.9	26.3	24.6
90°	0.0	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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0
2.5°	869.1	867.4	868.3	867.4	866.6	865.7	864.9	865.7	864.0	864.9	864.9
5°	866.6	864.9	867.4	866.6	864.9	864.9	864.0	864.0	864.0	864.0	864.9
7.5°	858.9	858.9	861.5	861.5	859.8	859.8	858.1	857.2	857.2	858.1	859.8
10°	848.8	851.3	855.5	853.9	850.5	848.8	846.2	844.5	843.7	845.4	847.1
12.5°	841.1	842.8	840.3	837.8	832.7	826.7	825.9	821.7	819.1	823.4	823.4
15°	828.4	821.7	812.3	803.9	792.0	786.1	779.3	777.6	771.7	772.5	776.8
17.5°	801.3	783.5	769.1	760.7	750.5	746.3	738.6	734.4	730.2	725.9	728.5
20°	763.2	743.7	725.1	714.1	698.0	694.6	681.9	681.9	676.8	677.7	682.7
22.5°	714.9	685.3	661.6	648.0	631.1	624.3	618.4	614.1	611.6	616.7	610.7
25°	651.4	615.8	593.8	574.3	555.7	548.9	541.3	538.7	539.6	536.2	542.1
27.5°	586.2	542.1	518.4	496.4	482.8	471.0	465.0	463.4	460.0	469.3	464.2
30°	504.0	464.2	436.2	413.4	397.3	391.3	385.4	383.7	388.8	382.0	378.6
32.5°	421.0	377.8	354.1	334.6	322.7	310.9	309.2	305.8	299.9	307.5	305.8
35°	345.6	309.2	284.6	272.8	256.7	251.6	241.4	238.9	239.7	241.4	240.6
37.5°	299.9	274.5	252.4	236.3	224.5	217.7	214.3	210.9	210.9	209.2	208.4
40°	278.7	257.5	237.2	221.9	212.6	207.5	204.1	200.8	198.2	195.7	193.1
42.5°	275.3	249.9	227.0	211.8	203.3	201.6	200.8	198.2	194.8	190.6	187.2
45°	272.8	240.6	216.9	203.3	197.4	196.5	196.5	194.0	191.4	187.2	182.1
47.5°	264.3	228.7	205.8	195.7	193.1	194.0	193.1	190.6	188.9	184.7	178.7
50°	245.7	210.9	188.9	181.3	180.4	179.6	179.6	178.7	177.0	173.7	167.7
52.5°	229.6	194.8	177.0	172.0	170.3	170.3	168.6	167.7	164.3	161.8	157.6
55°	219.4	186.4	171.1	167.7	167.7	166.9	165.2	162.6	160.1	156.7	151.6
57.5°	210.1	179.6	166.9	164.3	165.2	164.3	162.6	160.9	157.6	153.3	147.4
60°	196.5	169.4	158.4	157.6	159.3	160.9	160.1	159.3	156.7	150.8	142.3
62.5°	177.0	152.5	144.0	145.7	147.4	149.1	148.2	147.4	144.8	139.8	132.1
65°	157.6	139.8	134.7	136.4	138.1	138.1	138.1	136.4	134.7	128.8	122.8
67.5°	138.9	127.9	126.2	127.9	128.8	128.8	129.6	127.9	125.4	121.1	115.2
70°	118.6	113.5	113.5	115.2	116.0	115.2	116.0	113.5	111.0	108.4	102.5
72.5°	105.9	105.9	105.0	105.0	105.0	103.3	102.5	100.8	98.3	95.7	90.6
75°	94.0	94.0	93.2	94.9	91.5	88.9	88.1	86.4	83.9	80.5	77.1
77.5°	80.5	78.8	78.8	81.3	80.5	77.1	74.5	73.7	70.3	66.9	65.2
80°	69.5	67.8	67.8	66.9	65.2	64.4	61.0	57.6	56.8	56.8	54.2
82.5°	61.0	60.1	57.6	55.9	53.4	50.8	48.3	46.6	44.0	43.2	44.0
85°	48.3	49.1	46.6	44.9	42.4	39.0	36.4	34.7	33.0	33.0	36.4
87.5°	28.0	26.3	26.3	25.4	24.6	22.0	22.0	19.5	18.6	23.7	24.6
90°	0.0	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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0
2.5°	865.7	865.7	863.2	864.9	864.0	864.9	868.3	864.9	864.0	866.6	869.1
5°	865.7	867.4	864.9	866.6	866.6	869.1	873.3	870.8	872.5	875.9	879.3
7.5°	862.3	864.9	864.9	868.3	870.8	875.0	881.0	879.3	882.7	887.7	892.0
10°	853.0	857.2	861.5	866.6	872.5	879.3	887.7	887.7	891.1	897.9	902.1
12.5°	830.1	841.1	846.2	858.1	867.4	877.6	886.9	892.8	895.4	901.3	906.4
15°	784.4	797.9	808.1	822.5	837.8	852.2	868.3	874.2	879.3	881.8	884.3
17.5°	731.9	741.2	748.0	766.6	783.5	797.1	812.3	820.0	825.9	825.9	827.6
20°	688.7	692.9	694.6	694.6	704.8	717.5	737.0	734.4	739.5	734.4	739.5
22.5°	621.8	615.0	618.4	618.4	625.1	622.6	630.2	642.9	641.2	644.6	659.0
25°	540.4	541.3	535.4	535.4	536.2	537.9	541.3	544.7	556.5	569.2	578.6
27.5°	463.4	461.7	457.4	454.0	450.6	456.6	460.8	460.0	476.9	487.1	504.0
30°	378.6	378.6	379.5	377.8	381.2	376.9	383.7	385.4	399.8	410.8	426.1
32.5°	308.3	310.0	310.0	309.2	315.1	310.9	314.3	318.5	327.8	337.1	344.8
35°	244.8	247.3	254.1	256.7	259.2	255.8	260.1	265.1	266.0	274.5	280.4
37.5°	207.5	211.8	212.6	214.3	214.3	216.9	217.7	221.1	221.1	223.6	225.3
40°	191.4	189.7	188.9	188.1	186.4	187.2	188.1	190.6	191.4	193.1	193.1
42.5°	183.8	181.3	177.0	174.5	171.1	171.1	171.1	171.1	173.7	175.3	175.3
45°	177.0	172.8	168.6	164.3	161.8	160.1	160.9	161.8	163.5	164.3	165.2
47.5°	172.8	166.9	160.1	155.9	153.3	151.6	152.5	153.3	153.3	154.2	155.0
50°	160.9	155.0	149.1	144.8	142.3	141.5	141.5	140.6	141.5	142.3	142.3
52.5°	151.6	145.7	140.6	136.4	133.8	133.8	133.0	131.3	132.1	131.3	132.1
55°	146.5	138.9	133.0	128.8	126.2	126.2	124.5	125.4	125.4	123.7	124.5
57.5°	140.6	133.0	127.9	122.8	119.4	119.4	118.6	119.4	120.3	117.7	117.7
60°	134.7	127.9	122.0	117.7	113.5	114.4	113.5	115.2	115.2	112.7	112.7
62.5°	123.7	117.7	114.4	111.8	108.4	109.3	109.3	111.8	109.3	107.6	106.7
65°	115.2	111.0	105.9	105.9	102.5	104.2	104.2	104.2	101.6	100.8	101.6
67.5°	109.3	104.2	100.8	97.4	94.9	95.7	94.0	94.0	93.2	92.3	94.0
70°	98.3	94.0	92.3	88.9	87.2	84.7	83.9	83.9	83.9	83.0	83.9
72.5°	87.2	83.9	82.2	78.8	77.1	75.4	74.5	73.7	72.8	73.7	73.7
75°	73.7	72.0	70.3	68.6	66.9	66.1	65.2	65.2	64.4	63.5	64.4
77.5°	63.5	61.0	60.1	58.4	59.3	56.8	55.9	56.8	56.8	56.8	57.6
80°	54.2	52.5	52.5	50.8	50.0	48.3	49.1	49.1	49.1	49.1	50.0
82.5°	47.4	45.7	45.7	44.9	42.4	40.7	41.5	43.2	43.2	42.4	44.0
85°	39.0	37.3	37.3	36.4	33.0	32.2	31.3	33.0	33.9	32.2	33.9
87.5°	25.4	23.7	22.9	22.9	19.5	13.6	17.8	19.5	19.5	16.1	18.6
90°	0.0	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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0
2.5°	868.3	869.9	869.9	871.6	875.0	871.6	869.9	872.5	872.5	871.6	871.6
5°	879.3	882.7	883.5	888.6	891.1	889.4	891.1	892.8	893.7	892.0	893.7
7.5°	893.7	897.9	902.1	908.1	913.1	912.3	914.8	918.2	919.1	919.1	920.8
10°	905.5	911.5	915.7	923.3	929.2	930.9	933.5	937.7	941.9	941.9	945.3
12.5°	908.1	914.8	919.1	925.9	936.0	939.4	945.3	955.5	959.7	963.1	965.7
15°	886.0	892.0	897.9	907.2	919.1	929.2	942.8	957.2	969.9	979.2	982.6
17.5°	828.4	829.3	835.2	848.8	873.3	884.3	901.3	930.9	948.7	965.7	981.8
20°	743.7	759.8	765.8	783.5	807.3	824.2	843.7	870.8	897.9	928.4	955.5
22.5°	669.2	690.4	707.3	728.5	748.0	767.5	792.0	815.7	845.4	875.0	907.2
25°	593.0	612.4	636.2	659.0	681.9	706.5	737.0	762.4	792.0	826.7	867.4
27.5°	519.3	539.6	565.8	593.0	611.6	644.6	670.0	707.3	741.2	779.3	825.1
30°	442.2	461.7	474.4	504.0	530.3	563.3	602.3	638.7	679.4	721.7	775.1
32.5°	358.3	370.2	388.0	408.3	438.8	473.5	514.2	553.1	609.0	661.6	712.4
35°	287.2	293.1	292.2	315.1	328.7	370.2	421.0	458.3	514.2	578.6	645.5
37.5°	226.2	225.3	230.4	233.8	250.7	277.8	317.7	365.9	430.3	499.8	566.7
40°	193.1	194.0	194.8	194.8	198.2	216.0	251.6	301.6	363.4	425.2	498.9
42.5°	177.9	179.6	180.4	182.1	183.8	189.7	215.2	261.7	314.3	380.3	446.4
45°	166.9	169.4	172.0	172.0	173.7	175.3	189.7	225.3	277.8	340.5	410.0
47.5°	157.6	160.1	161.8	162.6	164.3	166.0	173.7	198.2	249.0	305.8	377.8
50°	144.0	146.5	148.2	150.8	150.8	150.8	155.9	173.7	212.6	268.5	338.8
52.5°	133.0	134.7	137.2	138.9	139.8	140.6	143.2	153.3	183.0	235.5	301.6
55°	127.1	128.8	131.3	133.0	134.7	135.5	137.2	141.5	162.6	207.5	269.4
57.5°	119.4	122.0	125.4	127.1	128.8	129.6	130.4	132.1	146.5	180.4	231.3
60°	114.4	118.6	122.8	125.4	126.2	127.1	127.9	126.2	132.1	153.3	193.1
62.5°	108.4	112.7	116.0	119.4	120.3	121.1	122.0	119.4	118.6	128.8	150.8
65°	103.3	105.9	108.4	111.0	111.0	111.8	111.0	107.6	105.0	105.0	115.2
67.5°	96.6	98.3	100.8	101.6	101.6	101.6	100.8	100.0	95.7	94.0	95.7
70°	86.4	88.9	91.5	93.2	93.2	92.3	91.5	88.9	87.2	85.6	87.2
72.5°	77.1	80.5	81.3	82.2	81.3	81.3	81.3	79.6	80.5	80.5	81.3
75°	67.8	69.5	69.5	71.2	71.2	71.2	71.2	71.2	72.8	72.0	72.8
77.5°	57.6	58.4	60.1	60.1	60.1	61.0	62.7	62.7	64.4	65.2	65.2
80°	50.0	48.3	48.3	47.4	48.3	50.0	51.7	55.1	55.1	55.9	56.8
82.5°	39.8	36.4	34.7	36.4	36.4	37.3	40.7	44.0	44.0	46.6	47.4
85°	30.5	26.3	22.9	24.6	24.6	26.3	29.6	31.3	33.9	34.7	33.9
87.5°	17.8	15.2	10.2	8.5	10.2	12.7	13.6	15.2	12.7	14.4	15.2
90°	0.0	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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0
2.5°	873.3	873.3	869.1	869.1	869.9	871.6	867.4	866.6	867.4	866.6	865.7
5°	896.2	893.7	892.8	891.1	890.3	892.0	887.7	887.7	886.9	885.2	882.7
7.5°	921.6	919.9	918.2	916.5	914.8	915.7	911.5	910.6	909.8	908.9	906.4
10°	945.3	942.8	941.1	936.9	933.5	930.1	921.6	919.1	916.5	914.8	914.0
12.5°	964.8	962.3	956.3	948.7	943.6	935.2	928.4	922.5	919.9	917.4	918.2
15°	983.5	978.4	970.7	961.4	956.3	947.9	942.8	940.3	938.6	936.9	938.6
17.5°	989.4	991.1	986.8	984.3	980.9	977.5	978.4	980.9	986.0	986.0	986.0
20°	978.4	997.0	1008.9	1018.2	1025.8	1030.9	1031.7	1034.3	1040.2	1042.8	1055.5
22.5°	952.1	1000.4	1040.2	1072.4	1092.7	1099.5	1107.1	1115.6	1116.4	1119.0	1130.8
25°	927.5	997.9	1057.2	1108.0	1155.4	1188.4	1207.1	1224.0	1228.3	1231.6	1231.6
27.5°	884.3	962.3	1038.5	1106.3	1171.5	1226.6	1269.8	1313.8	1344.3	1355.3	1371.4
30°	838.6	920.8	999.5	1085.1	1168.1	1245.2	1323.1	1394.3	1444.3	1481.5	1511.2
32.5°	781.0	869.9	959.7	1052.9	1152.0	1248.6	1352.8	1456.1	1551.0	1625.5	1671.3
35°	720.9	814.0	907.2	1009.7	1121.5	1238.4	1371.4	1508.6	1635.7	1756.8	1861.0
37.5°	654.8	742.9	844.5	961.4	1081.7	1221.5	1376.5	1546.8	1723.0	1896.6	2031.3
40°	579.4	665.0	763.2	886.0	1031.7	1189.3	1374.0	1576.4	1797.5	2013.5	2230.4
42.5°	527.7	606.5	700.5	824.2	972.4	1152.9	1363.8	1603.5	1865.3	2132.9	2405.7
45°	488.8	565.8	658.2	776.8	927.5	1117.3	1360.4	1634.0	1936.4	2243.1	2561.6
47.5°	454.9	534.5	623.4	740.3	886.0	1085.1	1352.8	1659.4	1995.7	2327.8	2697.1
50°	421.8	503.2	594.6	712.4	855.5	1050.4	1335.8	1682.3	2051.6	2415.9	2808.9
52.5°	385.4	465.9	564.2	684.4	836.1	1028.3	1318.0	1700.9	2105.8	2509.9	2925.0
55°	346.5	427.8	524.3	651.4	809.8	1011.4	1300.3	1712.8	2162.6	2594.6	3029.1
57.5°	304.1	385.4	479.4	609.0	777.6	988.5	1280.8	1711.9	2204.1	2674.2	3141.8
60°	252.4	326.1	419.3	549.8	721.7	956.3	1264.7	1705.2	2233.7	2744.5	3267.2
62.5°	192.3	255.0	340.5	462.5	641.2	894.5	1222.3	1676.4	2237.1	2795.3	3371.4
65°	137.2	171.1	238.9	360.9	509.1	756.4	1119.8	1600.1	2181.2	2758.9	3380.7
67.5°	105.0	123.7	156.7	229.6	360.9	576.0	943.6	1429.0	2007.6	2564.9	3224.8
70°	90.6	100.0	117.7	149.9	226.2	373.6	668.3	1129.2	1653.5	2206.6	2769.9
72.5°	83.9	89.8	100.8	116.9	144.0	220.2	411.7	759.0	1214.7	1682.3	2175.3
75°	77.1	83.0	91.5	101.6	115.2	147.4	224.5	446.4	749.7	1111.4	1462.1
77.5°	68.6	73.7	84.7	94.0	102.5	115.2	143.2	248.2	412.5	665.0	875.0
80°	57.6	62.7	71.2	85.6	94.0	102.5	111.8	152.5	227.9	343.9	449.0
82.5°	47.4	50.0	56.8	69.5	77.1	81.3	83.9	99.1	129.6	169.4	247.3
85°	33.0	33.0	38.1	44.9	50.8	47.4	48.3	50.8	66.9	94.0	189.7
87.5°	12.7	9.3	11.9	14.4	14.4	13.6	16.1	15.2	21.2	39.8	54.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P141566  
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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	864.0	0°
2.5°	865.7	865.7	864.9	864.0	863.2	863.2	861.5	864.0	863.2	864.0	864.9	2.5°
5°	883.5	881.8	880.1	878.4	878.4	876.7	874.2	873.3	869.9	869.1	866.6	5°
7.5°	908.9	908.9	908.9	907.2	903.8	899.6	894.5	891.1	881.8	875.0	867.4	7.5°
10°	915.7	917.4	918.2	919.1	915.7	914.8	908.9	902.1	891.1	881.0	870.8	10°
12.5°	918.2	921.6	922.5	923.3	920.8	919.1	913.1	908.9	899.6	889.4	884.3	12.5°
15°	941.9	947.9	954.7	953.8	961.4	953.0	947.9	948.7	938.6	927.5	924.2	15°
17.5°	1002.9	1005.5	1019.9	1020.7	1032.6	1036.0	1027.5	1018.2	1012.3	1005.5	991.1	17.5°
20°	1069.0	1087.6	1092.7	1118.1	1130.0	1135.9	1136.8	1136.8	1125.8	1096.1	1084.3	20°
22.5°	1141.0	1169.0	1199.5	1215.6	1240.1	1243.5	1256.2	1248.6	1240.1	1217.2	1190.1	22.5°
25°	1257.1	1273.2	1300.3	1340.9	1352.8	1377.3	1372.3	1383.3	1364.6	1324.8	1308.7	25°
27.5°	1386.7	1414.6	1452.7	1490.9	1507.8	1534.9	1518.0	1534.9	1504.4	1493.4	1454.4	27.5°
30°	1528.1	1566.2	1634.0	1681.4	1716.2	1734.8	1723.8	1714.5	1706.0	1685.7	1683.1	30°
32.5°	1701.8	1747.5	1811.9	1873.7	1934.7	1998.3	2013.5	2027.1	2058.4	1996.6	1936.4	32.5°
35°	1916.1	1950.8	2022.8	2094.0	2177.8	2257.5	2388.8	2421.8	2379.4	2305.7	2209.2	35°
37.5°	2125.3	2204.1	2276.1	2360.8	2423.5	2515.0	2573.4	2638.6	2603.1	2534.5	2423.5	37.5°
40°	2382.0	2488.7	2587.0	2691.2	2762.3	2833.5	2943.6	3014.7	3008.0	2922.4	2772.5	40°
42.5°	2617.5	2786.9	2949.5	3027.4	3122.3	3251.1	3332.4	3445.9	3453.5	3354.4	3163.8	42.5°
45°	2864.0	3061.3	3259.5	3412.9	3493.3	3652.6	3838.9	3962.6	4000.7	3811.8	3617.0	45°
47.5°	3057.1	3364.6	3630.6	3794.1	3944.0	4108.3	4348.0	4526.8	4511.5	4256.6	3999.0	47.5°
50°	3226.5	3617.9	3939.7	4209.1	4388.7	4578.4	4894.4	5107.9	5033.3	4708.9	4387.0	50°
52.5°	3379.8	3838.9	4237.1	4570.8	4780.0	5051.1	5450.1	5636.4	5424.7	5111.3	4713.1	52.5°
55°	3520.4	4038.9	4501.4	4902.9	5225.6	5575.5	5949.9	6077.8	5776.2	5389.1	5023.2	55°
57.5°	3650.0	4224.4	4744.5	5226.5	5659.3	6076.9	6403.0	6411.5	6032.9	5603.4	5254.4	57.5°
60°	3805.9	4394.6	4998.6	5561.9	6089.6	6523.3	6713.9	6653.8	6198.1	5763.5	5413.7	60°
62.5°	3956.7	4547.9	5206.1	5884.6	6520.8	6899.4	6937.5	6810.5	6311.6	5838.0	5533.1	62.5°
65°	4031.2	4664.8	5322.2	6089.6	6857.9	7123.9	7077.3	6878.3	6357.3	5849.1	5563.6	65°
67.5°	3922.0	4555.6	5211.2	6000.7	6856.2	7109.5	6989.2	6748.7	6246.3	5699.1	5422.1	67.5°
70°	3519.6	4133.7	4668.2	5411.1	6373.4	6623.3	6442.9	6204.8	5784.7	5249.3	5123.1	70°
72.5°	2961.4	3417.1	3864.4	4413.3	5073.1	5291.7	5053.7	5172.2	5063.8	4545.4	4430.2	72.5°
75°	2222.7	2648.8	2823.3	2991.9	3447.6	3578.0	3486.6	3893.2	4004.1	3788.1	3494.2	75°
77.5°	1454.4	1901.7	1933.9	1937.3	2123.6	2373.5	2704.7	3127.4	3337.5	3240.1	2883.4	77.5°
80°	847.9	1340.1	1198.6	1152.9	1318.0	1596.7	2033.8	2563.3	2841.1	2861.4	2520.9	80°
82.5°	426.1	840.3	727.6	720.0	813.2	1019.0	1338.4	1634.0	1995.7	2012.7	2057.5	82.5°
85°	331.2	577.7	591.3	641.2	706.5	792.0	815.7	868.3	1069.9	1256.2	1304.5	85°
87.5°	172.0	425.2	501.5	583.6	576.0	471.8	398.1	429.5	499.8	526.9	684.4	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90°



IUMBER: P141566

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
864.0	864.0	864.0	864.0	864.0	864.0	864.0
863.2	864.9	864.0	864.9	865.7	865.7	864.9
862.3	861.5	858.1	856.4	856.4	854.7	853.9
857.2	851.3	842.8	837.8	834.4	831.8	827.6
858.1	847.9	836.9	829.3	821.7	816.6	811.5
869.1	856.4	846.2	834.4	828.4	821.7	815.7
907.2	890.3	878.4	867.4	860.6	855.5	850.5
968.2	947.9	928.4	918.2	906.4	897.9	897.1
1050.4	1020.7	995.3	972.4	961.4	947.9	945.3
1143.6	1100.4	1073.2	1047.8	1032.6	1016.5	1017.3
1262.1	1218.9	1174.9	1148.6	1126.6	1129.2	1126.6
1404.5	1370.6	1319.7	1287.6	1280.8	1254.5	1235.0
1626.4	1575.6	1513.7	1456.1	1419.7	1376.5	1335.8
1844.1	1750.1	1667.9	1612.0	1565.4	1501.9	1438.3
2059.2	1950.8	1874.6	1827.1	1755.1	1666.2	1567.1
2315.1	2243.9	2189.7	2073.6	1971.1	1834.8	1684.8
2684.4	2594.6	2465.0	2317.6	2169.4	1976.2	1771.2
3052.0	2943.6	2762.3	2545.5	2332.8	2099.9	1839.0
3451.0	3241.8	3005.4	2742.8	2481.1	2192.2	1885.6
3765.3	3504.4	3209.6	2894.5	2598.8	2268.5	1926.2
4086.3	3771.2	3401.0	3046.1	2705.6	2330.3	1966.9
4338.7	3987.2	3596.7	3184.2	2804.7	2399.8	2022.8
4591.1	4202.3	3772.0	3322.2	2927.5	2496.3	2106.7
4801.2	4397.2	3941.4	3473.0	3069.8	2625.1	2243.9
5078.2	4670.8	4140.5	3651.7	3230.7	2800.4	2417.6
5341.7	4991.8	4417.5	3861.8	3427.3	2998.6	2614.9
5515.3	5354.4	4701.3	4072.7	3611.9	3184.2	2788.6
5518.7	5584.8	5000.3	4243.8	3784.7	3385.8	2930.9
5385.7	5617.0	5063.8	4259.1	3866.9	3475.6	3005.4
4925.7	5220.5	4683.5	3958.4	3714.4	3405.2	2923.3
3810.1	4023.6	3745.8	3355.3	3363.7	3183.3	2601.4
2637.8	2839.4	2605.6	2522.6	2708.1	2607.3	1942.3
1998.3	1738.2	1646.7	1690.8	1922.0	1911.0	1221.5
1779.7	1315.5	1091.0	1145.2	1357.0	1239.3	680.2
1459.5	1312.1	1097.0	991.9	1034.3	846.2	465.0
840.3	959.7	781.9	737.0	641.2	381.2	188.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)