

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: P158971

Luminaire Tested: **VTS-E02-LED-E1-SLR-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P158971  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33715)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VTS-E02-LED-E1-SLR-7050  
Description: VENTUS LED SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

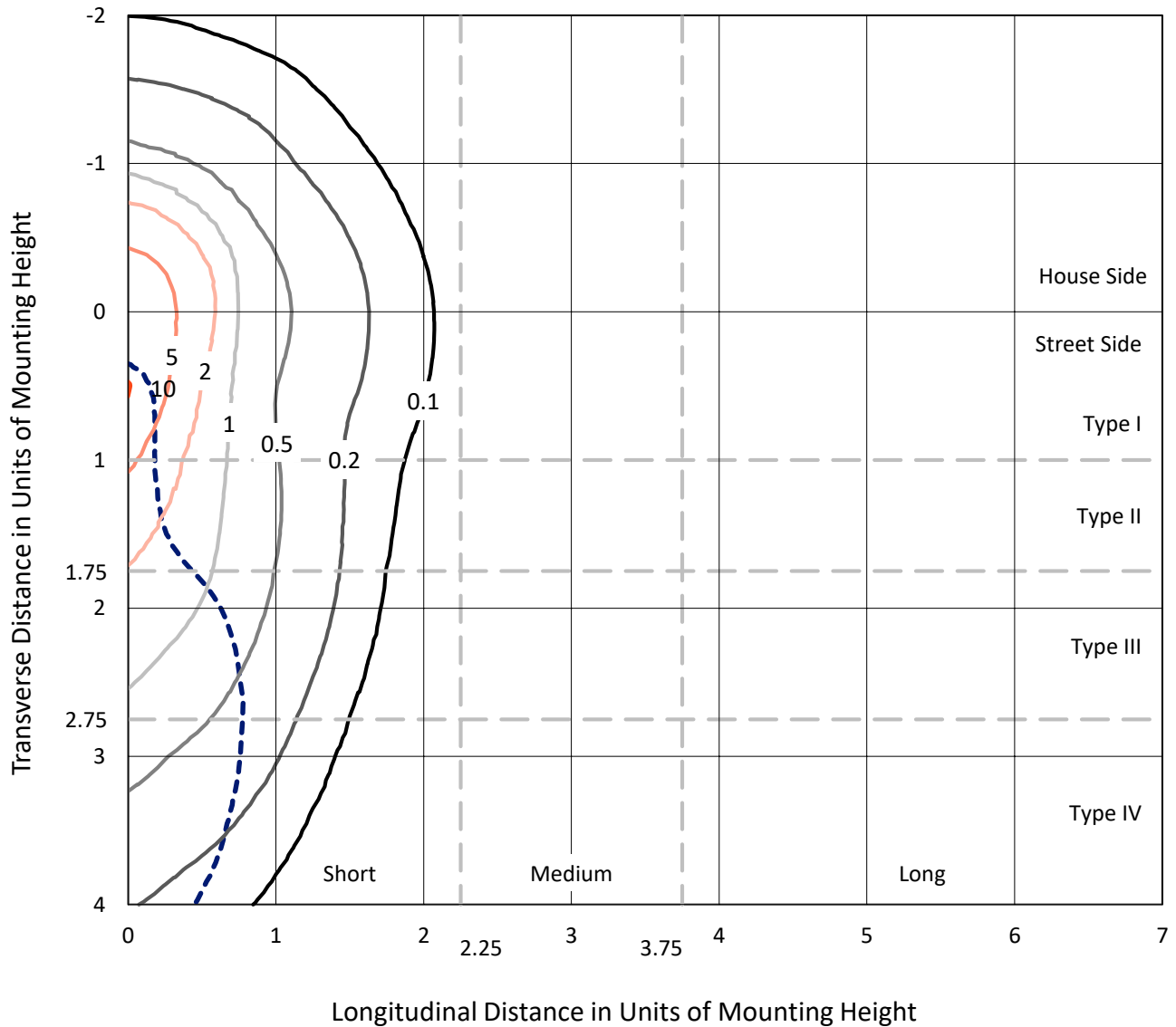
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5514.9 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 52.1  
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

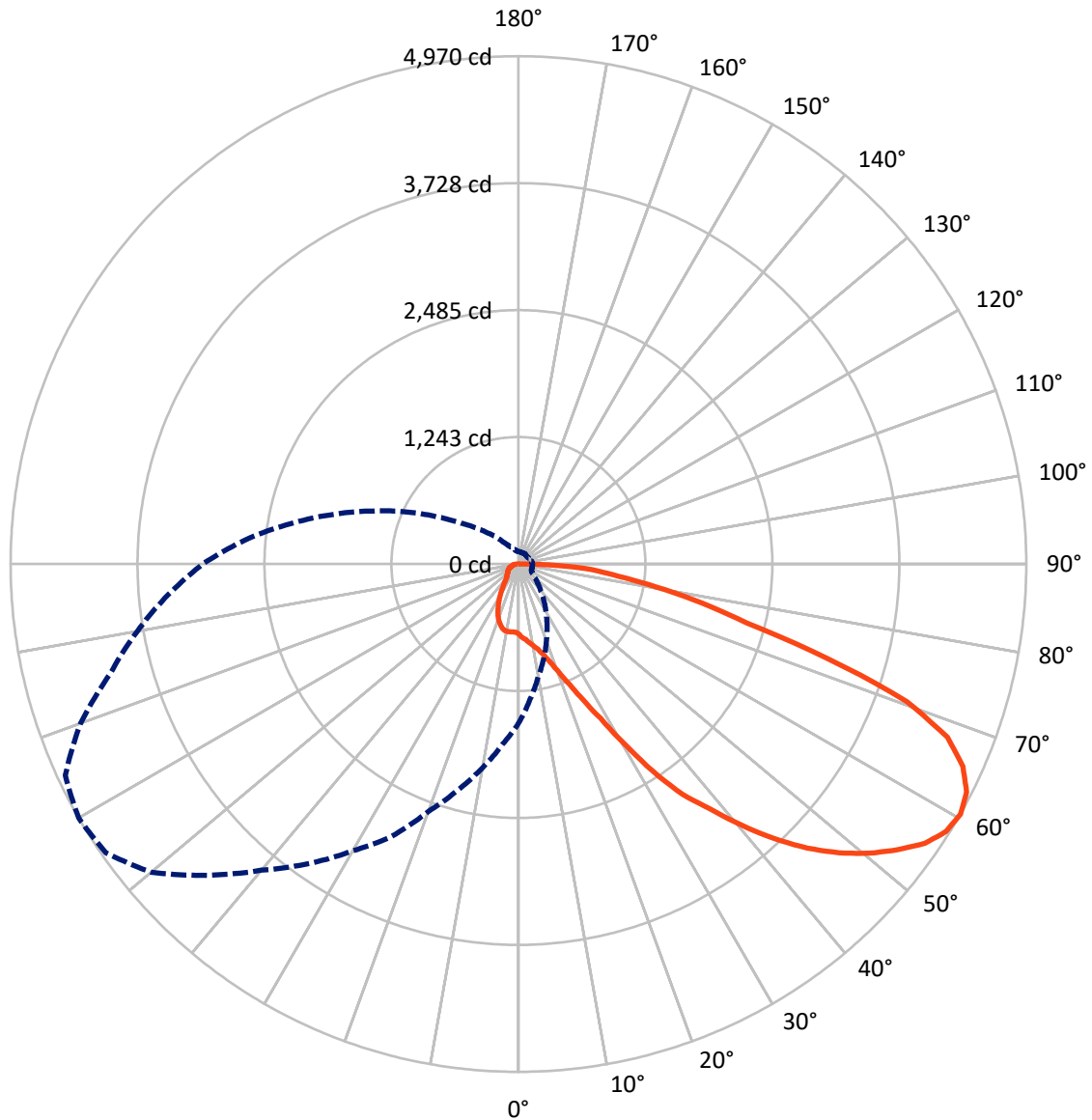
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1241.8	0.0	1241.8
	% Fixture	22.5	0.0	22.5
<b>Street Side</b>	Lumens	4273.1	0.0	4273.1
	% Fixture	77.5	0.0	77.5
<b>Total</b>	Lumens	5514.9	0.0	5514.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	1.2
10°-20°	218.5	4.0
20°-30°	414.6	7.5
30°-40°	652.9	11.8
40°-50°	911.3	16.5
50°-60°	1127.0	20.4
60°-70°	1168.2	21.2
70°-80°	735.1	13.3
80°-90°	219.7	4.0
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°	5514.9	100.0
0°-180°	5514.9	100.0



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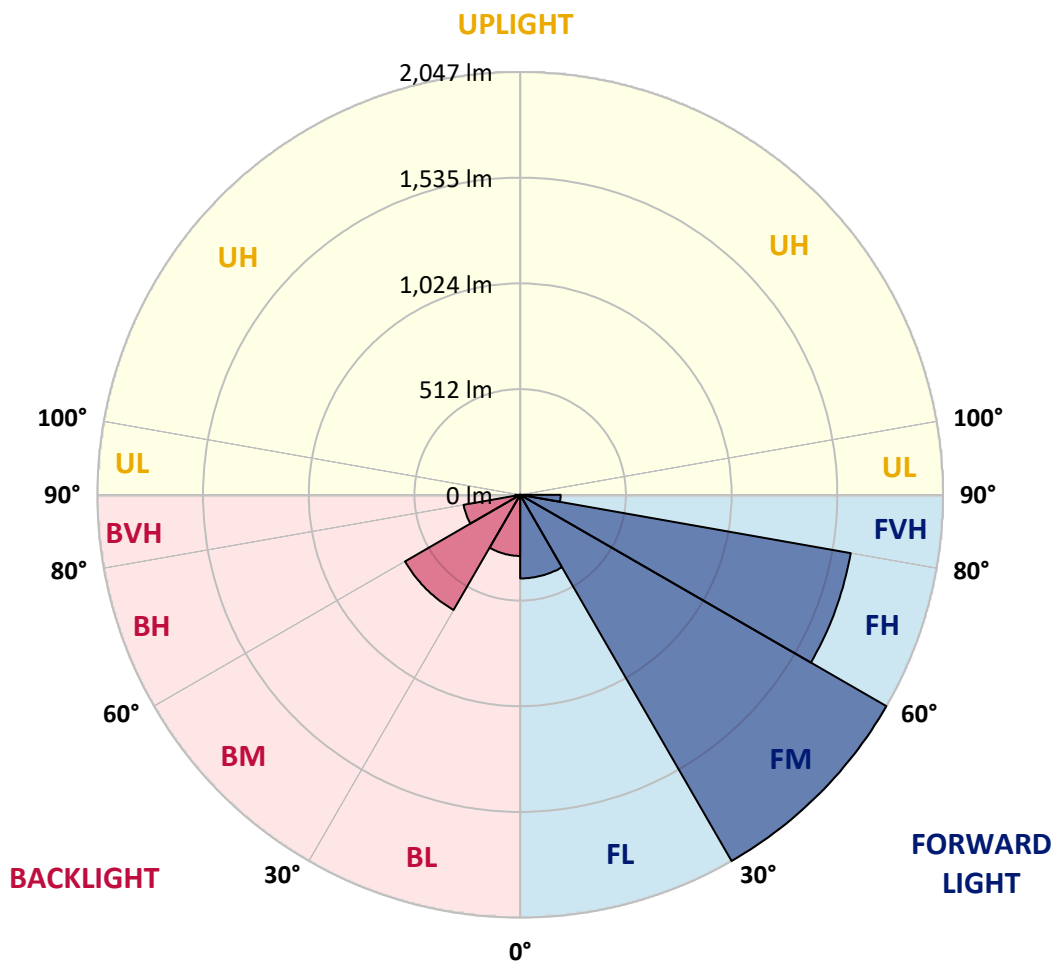
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.9	7.3			
FM	(30°-60°)	2047.2	37.1			
FH	(60°-80°)	1625.2	29.5			G1/1800
FVH	(80°-90°)	195.8	3.6			G2/225
BL	(0°-30°)	295.8	5.4	B1/500		
BM	(30°-60°)	643.9	11.7	B1/1000		
BH	(60°-80°)	278.1	5.0	B1/500		G1/500
BVH	(80°-90°)	23.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8
2.5°	726.5	683.0	683.8	682.6	682.6	681.7	682.6	681.7	680.9	680.9	681.3
5°	735.9	687.9	687.9	686.7	685.8	685.0	685.8	685.0	684.6	683.8	684.2
7.5°	745.0	690.8	689.1	687.5	685.4	686.3	686.3	685.8	686.3	685.8	686.7
10°	759.7	700.2	696.1	692.4	692.0	691.2	691.2	690.0	690.0	689.1	689.5
12.5°	797.5	729.4	724.8	718.3	717.0	713.3	711.3	708.8	704.7	701.0	698.2
15°	861.1	777.8	769.2	763.4	761.0	753.6	742.1	733.0	721.1	710.9	700.2
17.5°	939.1	842.6	832.4	825.0	812.7	792.6	773.3	751.1	728.1	707.2	687.9
20°	1048.3	935.8	915.7	898.0	867.3	832.8	796.7	758.1	722.8	690.0	661.6
22.5°	1196.0	1056.1	1018.7	971.5	914.5	856.2	798.7	745.4	698.2	655.5	617.7
25°	1366.0	1171.0	1103.7	1022.4	935.0	854.5	779.0	710.5	655.5	600.5	559.4
27.5°	1491.1	1267.0	1167.7	1061.0	949.4	846.7	754.0	671.1	604.6	548.4	498.7
30°	1562.6	1322.0	1202.6	1077.4	951.8	833.6	722.4	626.3	549.6	482.7	435.1
32.5°	1608.5	1351.6	1206.3	1061.0	922.3	794.6	674.4	574.6	491.3	419.9	369.4
35°	1647.1	1363.5	1189.1	1024.5	866.4	735.5	612.8	513.1	424.8	359.1	307.4
37.5°	1662.7	1361.4	1161.6	975.6	811.9	671.1	550.0	447.8	369.0	311.1	266.8
40°	1659.8	1342.6	1124.2	923.5	747.8	603.8	483.5	393.6	329.6	280.7	248.3
42.5°	1640.5	1317.5	1082.7	870.5	689.1	547.9	438.4	358.7	307.0	270.1	241.8
45°	1616.3	1287.6	1045.0	822.1	642.8	508.1	412.1	348.9	304.1	268.8	238.5
47.5°	1583.5	1254.3	1006.8	787.6	618.1	496.2	411.7	354.6	306.6	266.0	232.7
50°	1547.8	1230.1	985.9	772.9	615.3	503.6	426.0	363.7	308.2	263.1	224.9
52.5°	1522.7	1219.4	985.5	778.2	630.4	524.1	442.9	375.1	314.4	264.7	223.3
55°	1492.0	1217.8	996.1	801.2	663.7	559.0	469.5	394.8	327.1	270.9	224.5
57.5°	1494.0	1250.2	1037.6	857.8	723.6	606.2	503.6	419.1	339.4	274.6	222.5
60°	1558.9	1325.7	1119.3	954.7	802.0	661.6	538.5	432.2	338.6	266.4	212.6
62.5°	1692.7	1439.0	1241.6	1068.4	881.6	704.3	551.2	428.5	326.3	248.7	196.6
65°	1852.3	1571.6	1360.6	1156.6	930.1	714.2	540.1	408.0	301.7	225.7	177.3
67.5°	2012.0	1665.6	1429.2	1181.7	910.4	674.4	499.1	362.0	259.8	194.5	155.6
70°	2069.4	1684.9	1423.8	1125.4	820.9	575.4	410.9	291.4	208.5	159.3	130.9
72.5°	1983.3	1564.2	1265.8	956.3	667.4	446.2	301.3	215.1	159.3	124.8	106.7
75°	1663.5	1259.6	1000.7	720.3	481.9	315.6	217.5	156.8	119.8	98.9	85.4
77.5°	1185.8	877.1	681.7	473.2	312.8	218.8	156.0	117.8	95.2	79.2	69.4
80°	745.0	538.5	415.4	284.0	195.0	148.6	112.1	93.2	76.8	64.4	57.9
82.5°	448.6	313.6	244.6	176.5	128.1	101.8	82.5	73.1	61.2	53.4	49.7
85°	304.5	230.7	160.5	104.3	77.2	59.9	56.2	50.5	45.6	38.2	36.9
87.5°	58.3	82.5	71.8	42.7	28.3	24.2	21.3	20.5	18.5	14.8	16.8
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°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8
2.5°	678.9	678.1	676.4	676.4	675.2	672.7	672.3	670.7	668.6	669.0	668.6
5°	681.3	679.7	677.6	676.8	675.2	672.7	671.5	669.4	667.4	667.4	667.4
7.5°	684.2	682.2	680.5	677.6	674.4	671.9	668.6	666.1	664.9	664.5	664.9
10°	686.7	685.4	683.0	678.9	674.4	669.4	666.1	662.9	659.6	660.0	660.4
12.5°	692.0	687.9	681.3	675.2	668.2	662.0	656.3	652.2	648.1	648.1	648.5
15°	688.3	676.4	667.4	655.5	647.7	637.8	631.3	627.6	625.1	624.3	624.7
17.5°	666.6	652.2	638.6	628.0	617.3	609.5	606.6	604.2	600.9	602.5	600.9
20°	633.7	616.1	596.8	584.1	571.3	566.0	561.1	558.6	556.6	563.9	563.9
22.5°	586.5	565.2	545.5	529.9	515.5	509.8	504.8	502.0	503.2	512.2	513.1
25°	527.0	501.1	475.3	465.9	451.5	447.0	444.1	443.7	444.9	453.9	456.0
27.5°	463.8	436.7	414.5	392.8	386.2	382.5	377.2	383.4	384.6	394.4	398.5
30°	396.5	367.3	344.0	329.6	315.6	317.7	313.2	320.6	323.8	334.1	337.4
32.5°	327.5	300.0	276.6	262.3	252.4	253.7	250.4	256.9	260.2	272.5	278.7
35°	270.9	247.5	228.6	216.3	211.8	207.3	206.5	207.3	210.6	220.0	231.1
37.5°	238.5	219.2	205.6	196.6	190.4	187.6	185.9	185.9	185.9	188.0	193.3
40°	224.5	207.3	195.4	186.8	182.6	181.0	179.8	178.5	176.5	175.7	176.1
42.5°	218.4	198.7	185.9	179.4	176.9	176.9	176.9	176.1	174.0	172.0	169.9
45°	212.2	190.9	178.1	173.6	172.4	172.8	172.8	172.8	171.2	168.7	165.0
47.5°	204.4	182.2	169.5	166.6	166.6	167.9	168.3	168.3	166.6	164.2	161.3
50°	195.0	171.2	159.7	157.2	156.0	156.0	156.0	156.0	154.7	153.1	151.0
52.5°	190.0	165.0	153.1	150.6	150.6	149.4	149.0	147.8	146.5	145.3	142.4
55°	188.4	162.5	150.2	148.2	148.2	146.9	145.7	144.5	142.4	140.4	137.5
57.5°	183.9	157.2	146.5	144.9	144.9	144.1	142.8	141.6	139.6	136.7	133.0
60°	173.6	148.2	139.1	138.7	138.7	138.3	137.5	137.5	135.4	132.6	128.1
62.5°	160.5	138.7	130.1	130.1	129.7	129.3	127.6	127.2	124.8	121.1	117.0
65°	147.8	130.5	124.8	123.1	122.3	121.1	120.3	118.2	116.2	112.9	108.8
67.5°	131.8	118.2	114.5	112.9	111.2	110.0	108.8	107.5	105.1	102.6	99.3
70°	114.5	104.7	102.6	102.2	100.1	98.9	98.5	97.3	94.8	92.3	88.2
72.5°	98.1	92.3	90.7	90.7	88.2	86.6	85.8	85.4	83.7	81.7	78.0
75°	79.2	75.1	74.7	76.8	76.8	75.5	74.7	75.5	73.1	71.8	68.1
77.5°	64.8	62.8	61.6	62.4	64.8	63.6	62.0	62.0	62.0	59.9	58.7
80°	55.0	53.4	52.1	52.9	52.5	52.1	51.3	49.7	49.7	49.7	49.3
82.5°	49.7	49.3	44.7	44.7	43.1	41.9	41.0	40.2	39.4	39.4	41.5
85°	37.4	38.6	36.1	35.7	33.7	32.0	30.4	29.6	28.7	30.0	34.1
87.5°	18.1	18.1	17.2	19.3	17.6	16.8	15.6	14.8	15.6	19.3	23.0
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°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8
2.5°	667.8	667.4	667.0	666.1	664.5	664.1	663.3	663.3	662.9	662.0	662.9
5°	666.6	667.4	667.4	667.0	665.7	666.6	666.6	667.8	667.8	668.6	670.7
7.5°	664.9	667.0	668.6	669.8	671.5	672.7	675.2	678.9	680.5	683.4	684.6
10°	661.6	665.3	668.2	671.9	676.0	680.5	684.2	690.0	692.0	696.1	698.2
12.5°	652.2	658.3	663.3	670.7	677.6	684.6	691.2	698.6	702.3	706.8	709.7
15°	629.2	636.2	643.2	649.7	662.0	675.6	686.3	696.1	701.4	707.2	710.1
17.5°	601.7	606.2	612.0	620.6	632.5	644.4	661.6	675.6	683.8	690.4	691.2
20°	569.7	576.3	580.4	583.6	593.1	601.3	619.8	635.8	646.4	654.2	656.3
22.5°	520.9	527.8	534.8	537.3	544.7	555.3	565.6	582.8	598.0	609.5	616.5
25°	465.0	471.6	481.0	488.4	490.1	498.7	508.9	528.6	544.2	562.7	570.9
27.5°	409.2	415.0	425.2	429.3	434.2	442.9	451.1	467.5	483.9	505.3	514.3
30°	344.0	356.3	368.2	376.0	380.1	390.3	396.1	412.1	427.3	442.9	456.0
32.5°	288.1	299.2	312.8	322.6	327.5	335.3	344.4	357.9	369.8	385.0	400.2
35°	236.8	252.0	261.0	269.7	282.4	286.1	295.1	307.4	314.4	330.8	348.1
37.5°	200.7	209.7	218.8	227.4	238.1	243.0	251.6	261.9	270.1	279.9	295.5
40°	178.5	183.5	190.0	195.8	203.6	209.7	214.3	222.9	229.0	238.9	250.0
42.5°	168.3	169.5	170.3	174.4	178.5	182.6	187.6	191.3	198.7	206.0	213.0
45°	162.5	160.1	158.8	159.3	160.9	163.4	167.5	171.6	176.5	181.0	185.1
47.5°	157.6	154.3	150.6	148.6	149.0	149.8	153.1	156.4	158.8	162.5	164.2
50°	146.1	143.2	140.0	137.1	137.5	137.9	140.8	143.2	144.9	146.1	148.2
52.5°	138.7	134.6	131.8	128.9	128.5	129.7	132.2	134.6	135.4	136.3	136.7
55°	133.4	129.3	125.6	122.7	121.5	124.4	125.2	128.5	129.7	129.7	130.1
57.5°	129.3	124.4	120.7	117.8	115.7	117.8	119.8	123.5	124.0	123.1	123.1
60°	123.1	119.4	115.7	112.9	110.8	112.5	114.1	118.2	118.2	116.2	115.7
62.5°	112.5	110.4	107.9	106.7	106.3	107.9	109.2	112.5	111.2	108.8	107.9
65°	104.7	103.0	100.6	99.7	99.3	101.8	102.2	104.3	102.6	101.4	101.0
67.5°	95.2	94.0	92.8	92.3	91.1	91.1	91.9	93.2	92.3	92.3	92.8
70°	84.6	82.9	81.7	82.1	81.3	81.3	81.7	82.5	82.1	82.9	83.7
72.5°	74.7	72.6	72.2	72.2	71.4	71.8	71.8	72.2	73.1	73.5	75.5
75°	65.3	63.2	63.2	62.8	62.8	62.8	63.2	64.0	64.8	65.3	66.1
77.5°	56.6	55.4	55.8	55.4	55.4	55.4	55.4	56.6	57.1	57.5	58.7
80°	48.8	48.8	49.3	49.3	48.8	48.4	48.8	49.7	50.1	50.5	50.9
82.5°	44.3	44.7	44.7	44.7	42.7	41.9	43.1	43.9	44.7	45.1	46.0
85°	38.2	36.5	38.2	37.8	34.9	34.5	34.5	34.9	35.7	34.9	34.9
87.5°	24.6	22.2	23.4	23.4	20.5	16.8	21.3	23.0	20.5	21.8	21.8
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°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8
2.5°	664.1	663.3	663.7	663.7	664.5	663.3	664.9	666.6	667.0	667.0	667.4
5°	672.7	671.9	674.8	673.5	676.4	676.0	678.1	679.7	680.5	680.5	680.5
7.5°	686.3	689.1	690.8	695.3	695.7	698.2	700.2	702.3	701.4	701.9	701.4
10°	701.4	705.1	709.2	713.8	714.2	717.0	720.3	722.4	721.6	721.1	719.9
12.5°	714.6	717.0	722.0	726.5	728.9	733.5	736.7	738.4	738.4	737.2	735.9
15°	713.8	717.5	722.8	729.4	733.9	740.4	746.2	749.9	750.3	749.1	748.6
17.5°	695.7	701.0	706.0	715.0	723.2	732.2	741.7	747.0	751.9	754.8	756.4
20°	663.3	669.8	676.8	688.7	699.8	711.7	722.8	730.6	738.0	746.6	756.9
22.5°	625.1	635.0	644.8	660.0	673.5	687.1	699.8	709.2	720.7	735.5	754.8
25°	580.4	590.6	602.9	620.6	637.8	657.5	676.4	695.3	717.5	742.9	772.9
27.5°	527.4	538.9	554.9	576.3	596.0	616.1	645.6	675.6	711.7	744.5	778.6
30°	474.9	489.7	506.9	528.2	547.9	576.7	606.2	643.2	681.3	718.3	758.9
32.5°	418.2	436.7	458.1	475.7	497.9	527.0	556.6	596.0	636.6	680.1	724.8
35°	363.7	381.3	398.1	417.8	440.0	467.5	496.2	534.0	585.3	631.7	685.0
37.5°	308.2	324.7	336.6	352.2	371.5	401.8	432.6	476.1	524.5	581.6	635.0
40°	259.8	273.4	286.9	299.2	315.6	344.4	377.2	419.9	467.5	522.9	582.4
42.5°	221.2	231.5	246.3	261.0	275.0	299.6	330.4	372.3	419.5	476.1	535.6
45°	188.8	195.8	207.7	220.0	237.2	257.8	287.3	330.0	378.0	435.1	497.9
47.5°	165.4	168.7	176.9	189.6	205.6	225.7	251.2	289.8	336.6	394.0	460.1
50°	149.4	153.1	157.2	167.9	182.2	202.8	223.7	257.3	300.0	356.3	421.9
52.5°	138.3	140.0	141.6	148.2	161.3	178.5	200.7	226.2	269.3	323.0	382.1
55°	131.8	132.2	133.4	136.7	146.5	162.5	181.8	206.0	239.7	290.6	350.9
57.5°	124.0	124.8	126.0	128.1	134.2	148.6	165.0	184.7	212.6	255.3	313.2
60°	116.6	118.6	120.7	121.9	125.2	133.8	147.8	163.4	185.9	217.9	263.9
62.5°	108.8	111.2	112.9	114.1	115.3	120.7	130.9	141.2	155.1	176.1	210.6
65°	101.8	103.4	104.7	105.5	106.3	107.9	112.5	116.6	120.7	133.4	158.4
67.5°	94.0	94.8	95.2	95.6	95.2	95.2	95.6	97.3	98.9	103.8	115.7
70°	85.0	86.2	86.2	86.6	86.6	85.4	85.4	85.4	85.4	86.6	93.2
72.5°	76.3	78.0	78.0	78.4	78.0	77.6	77.6	77.6	78.8	79.6	82.1
75°	68.1	69.8	69.4	69.8	70.2	70.2	71.0	71.4	72.6	73.1	74.7
77.5°	59.9	61.2	61.6	61.2	62.0	62.8	64.4	65.3	65.7	66.1	66.5
80°	52.1	52.9	52.5	51.3	53.4	54.6	57.1	59.9	59.1	59.5	60.3
82.5°	43.1	41.9	41.0	41.9	43.1	44.7	47.2	50.9	51.3	53.4	52.9
85°	33.2	29.6	29.1	31.2	30.8	32.8	36.9	39.8	42.3	44.3	42.3
87.5°	19.7	17.6	14.8	14.0	15.2	20.1	20.9	25.4	27.5	28.3	25.4
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: P158971

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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8
2.5°	704.7	706.8	706.8	707.6	708.8	709.2	710.9	713.8	714.2	714.2	715.4
5°	717.9	719.9	719.9	721.6	722.0	724.0	726.1	729.4	731.0	730.6	735.9
7.5°	739.2	737.6	736.3	738.8	740.0	742.5	746.6	749.5	752.3	756.9	764.2
10°	757.3	754.8	753.6	755.2	756.0	758.9	761.4	765.5	772.5	779.4	788.5
12.5°	772.0	769.2	765.9	766.7	767.9	771.6	775.7	781.1	791.3	800.4	813.9
15°	784.4	780.3	777.0	778.6	781.5	786.4	793.4	802.8	819.7	835.2	853.3
17.5°	796.3	795.4	794.2	799.5	801.6	813.1	823.3	840.6	863.6	887.0	912.8
20°	807.8	816.8	821.3	832.0	838.5	854.1	869.7	890.7	919.8	951.8	987.1
22.5°	823.8	848.4	863.6	885.3	896.4	913.2	936.2	963.7	996.1	1037.2	1082.3
25°	861.9	898.0	928.4	962.5	990.4	1016.3	1043.8	1077.0	1123.8	1161.1	1220.2
27.5°	878.8	929.7	975.2	1023.2	1065.1	1104.9	1148.4	1188.6	1244.1	1294.5	1366.0
30°	862.7	920.2	979.3	1042.1	1103.3	1163.6	1226.8	1288.4	1352.4	1423.0	1498.9
32.5°	833.2	897.6	964.1	1038.0	1113.9	1192.3	1274.4	1363.9	1454.2	1542.0	1619.6
35°	803.2	872.6	946.5	1031.0	1120.5	1217.8	1319.6	1432.9	1552.3	1663.5	1764.9
37.5°	759.7	836.1	920.6	1018.3	1124.6	1244.5	1375.4	1514.9	1666.0	1819.1	1952.1
40°	707.2	788.0	880.4	992.9	1120.5	1272.0	1442.3	1621.2	1815.4	2002.1	2165.5
42.5°	659.2	738.0	836.5	958.8	1109.8	1296.2	1505.9	1728.8	1958.6	2167.5	2381.0
45°	616.9	703.9	802.8	935.0	1104.5	1316.7	1553.1	1809.2	2072.3	2321.1	2573.1
47.5°	578.3	668.6	779.4	921.9	1102.0	1329.0	1585.9	1861.8	2153.2	2438.8	2731.5
50°	538.5	626.3	745.0	907.5	1095.9	1328.6	1603.2	1897.5	2209.8	2530.4	2840.7
52.5°	495.8	584.1	703.1	881.2	1082.7	1321.2	1607.7	1921.7	2254.6	2586.6	2933.4
55°	456.8	539.3	658.3	837.3	1055.2	1303.2	1597.4	1932.0	2286.2	2642.4	2998.7
57.5°	412.1	497.9	611.1	777.0	1003.5	1271.1	1568.3	1917.6	2295.2	2679.8	3050.4
60°	350.5	434.7	551.2	705.6	922.7	1203.4	1514.1	1874.1	2266.5	2686.3	3087.3
62.5°	279.9	352.6	465.0	607.0	809.0	1097.1	1414.0	1776.4	2177.0	2624.8	3068.5
65°	208.1	256.5	353.4	478.2	677.2	937.0	1252.7	1612.6	2002.1	2453.6	2949.8
67.5°	144.9	179.8	239.3	332.0	492.5	723.6	1022.4	1356.9	1731.7	2136.8	2703.6
70°	109.6	125.6	158.0	209.7	318.9	492.9	743.3	1041.3	1388.9	1779.3	2313.3
72.5°	93.6	101.8	119.8	143.7	195.4	299.6	466.7	716.6	1024.9	1342.6	1774.8
75°	84.1	91.1	102.6	117.8	138.3	181.8	273.8	453.5	678.9	899.3	1238.3
77.5°	76.3	82.5	92.8	100.6	111.6	130.9	174.4	271.3	406.7	555.7	768.3
80°	68.1	71.8	81.3	89.1	97.7	108.8	125.2	170.3	233.5	329.2	453.1
82.5°	58.3	61.2	68.1	78.8	85.4	89.9	94.8	112.9	140.0	178.5	251.6
85°	45.1	47.2	53.4	61.2	64.0	64.4	65.3	70.2	87.0	133.8	216.7
87.5°	23.0	25.4	32.0	34.5	29.1	31.6	32.0	34.1	45.1	73.5	74.7
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	685.8	0°
2.5°	715.4	716.6	719.5	719.1	721.1	721.1	721.1	723.2	722.0	723.2	725.3	2.5°
5°	735.9	738.0	742.1	742.1	742.5	741.3	743.7	745.4	743.3	742.5	742.9	5°
7.5°	765.9	769.2	772.5	775.7	778.2	777.0	777.4	773.7	772.9	770.0	766.3	7.5°
10°	795.0	804.1	810.2	816.0	816.4	815.1	815.5	809.4	808.2	802.4	798.7	10°
12.5°	825.0	836.5	846.3	852.5	856.2	857.0	857.4	857.4	851.7	846.7	838.1	12.5°
15°	869.3	889.4	904.6	911.2	916.5	921.4	922.7	924.3	919.8	913.2	912.0	15°
17.5°	939.5	958.4	978.5	996.1	1008.0	1008.9	1019.1	1018.3	1027.7	1020.4	1018.3	17.5°
20°	1022.8	1063.9	1084.8	1108.2	1121.7	1128.3	1152.1	1144.7	1151.7	1163.6	1151.7	20°
22.5°	1127.1	1179.2	1209.6	1241.6	1263.8	1279.8	1297.0	1310.5	1329.4	1338.5	1330.2	22.5°
25°	1265.4	1324.9	1361.0	1405.4	1440.7	1469.4	1499.3	1535.5	1535.1	1556.8	1572.0	25°
27.5°	1424.2	1500.2	1552.7	1630.7	1661.1	1709.5	1760.8	1816.6	1826.5	1854.8	1869.2	27.5°
30°	1573.6	1667.6	1771.9	1864.6	1969.7	2041.5	2101.1	2140.5	2200.0	2185.2	2177.0	30°
32.5°	1711.5	1836.7	1985.3	2137.6	2304.2	2417.9	2523.0	2571.8	2608.8	2530.4	2426.5	32.5°
35°	1890.5	2040.3	2210.2	2398.2	2610.0	2771.3	2879.7	2894.8	2873.9	2773.4	2601.4	35°
37.5°	2112.1	2269.3	2462.7	2661.3	2886.2	3037.7	3161.2	3183.4	3128.0	2948.6	2768.0	37.5°
40°	2330.9	2515.2	2724.9	2960.1	3193.2	3359.9	3483.8	3490.4	3400.1	3190.4	2979.0	40°
42.5°	2570.2	2771.7	3005.3	3265.9	3506.8	3675.5	3765.0	3793.3	3665.7	3396.8	3194.1	42.5°
45°	2776.6	3017.6	3277.8	3554.8	3806.9	3966.9	4058.0	4049.0	3894.7	3629.1	3391.5	45°
47.5°	2977.8	3242.9	3517.1	3811.4	4061.7	4223.4	4317.0	4308.8	4113.0	3807.3	3545.8	47.5°
50°	3156.7	3444.4	3737.5	4051.9	4301.4	4449.6	4564.1	4528.0	4280.5	3950.5	3645.1	50°
52.5°	3281.1	3602.0	3908.2	4248.1	4505.0	4645.4	4791.1	4674.9	4379.4	4038.3	3698.5	52.5°
55°	3359.9	3710.4	4029.7	4405.7	4658.1	4826.0	4920.0	4755.0	4417.6	4062.6	3717.0	55°
57.5°	3413.2	3769.9	4101.1	4496.8	4796.0	4936.8	4959.8	4757.8	4393.0	4024.4	3698.5	57.5°
60°	3439.5	3787.6	4133.6	4560.8	4892.9	4970.0	4928.2	4691.4	4308.0	3912.3	3579.5	60°
62.5°	3436.6	3765.4	4116.7	4582.2	4912.2	4922.0	4826.8	4578.1	4151.6	3677.2	3381.6	62.5°
65°	3363.6	3684.5	4021.9	4503.0	4822.3	4780.0	4660.2	4365.5	3847.5	3370.1	3220.7	65°
67.5°	3153.0	3460.8	3774.0	4243.6	4569.0	4528.0	4346.6	3947.6	3494.1	3098.4	3018.0	67.5°
70°	2800.9	3061.9	3336.9	3749.4	4090.9	4035.5	3718.2	3475.6	3144.0	2784.4	2756.5	70°
72.5°	2341.6	2539.4	2738.9	3045.9	3281.1	3167.8	2968.3	2955.6	2687.6	2413.0	2418.7	72.5°
75°	1831.4	1980.0	2073.1	2253.7	2410.1	2308.7	2320.6	2391.2	2303.0	2086.7	2016.5	75°
77.5°	1327.0	1469.4	1498.9	1606.1	1716.1	1831.4	1984.1	2150.3	2178.2	2056.7	1802.3	77.5°
80°	868.5	1025.3	967.0	1005.2	1159.9	1370.5	1649.2	1922.9	2016.9	1907.7	1594.6	80°
82.5°	512.2	731.8	639.1	704.3	802.4	985.9	1178.4	1384.8	1542.0	1425.9	1331.9	82.5°
85°	389.1	577.1	611.1	690.4	722.4	730.2	763.8	831.1	912.4	942.8	940.3	85°
87.5°	202.8	448.6	503.6	465.9	434.7	376.8	293.9	316.5	289.4	395.7	374.7	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°



NUMBER: P158971

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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
685.8	685.8	685.8	685.8	685.8	685.8	685.8
725.7	724.4	725.3	725.7	725.7	725.7	726.5
742.5	739.2	738.0	738.0	737.6	736.3	735.9
760.5	754.8	752.8	750.3	748.2	747.0	745.0
793.0	788.0	777.8	772.0	766.7	763.0	759.7
836.5	829.5	819.7	812.3	804.1	801.6	797.5
903.8	897.6	889.0	880.8	875.9	867.3	861.1
1008.9	996.6	987.9	977.3	965.4	947.7	939.1
1147.2	1122.6	1105.3	1095.9	1072.1	1069.2	1048.3
1306.0	1298.6	1272.4	1260.9	1237.9	1228.9	1196.0
1543.7	1537.9	1484.2	1478.4	1443.1	1416.8	1366.0
1856.0	1808.8	1748.1	1705.8	1645.5	1577.7	1491.1
2129.0	2032.5	1939.7	1841.2	1757.9	1660.6	1562.6
2303.0	2173.7	2054.3	1953.3	1850.3	1734.5	1608.5
2455.7	2325.2	2195.0	2075.6	1950.8	1802.7	1647.1
2638.3	2508.6	2362.1	2194.2	2034.2	1852.7	1662.7
2825.5	2673.6	2490.6	2284.9	2083.8	1877.4	1659.8
3017.2	2823.0	2579.6	2345.3	2115.4	1881.1	1640.5
3172.7	2927.3	2645.7	2376.0	2122.0	1868.3	1616.3
3282.7	2994.2	2675.3	2386.7	2113.8	1848.2	1583.5
3345.5	3030.7	2682.7	2378.9	2096.9	1819.5	1547.8
3368.5	3041.8	2675.3	2362.9	2081.8	1788.7	1522.7
3366.0	3035.6	2648.2	2325.6	2041.1	1747.7	1492.0
3319.7	2978.6	2592.8	2280.8	2006.7	1728.8	1494.0
3240.9	2942.5	2576.3	2289.9	2024.7	1769.4	1558.9
3205.1	3014.7	2668.7	2380.2	2117.5	1885.6	1692.7
3185.0	3132.1	2800.9	2477.4	2227.5	2026.4	1852.3
3102.9	3165.7	2876.0	2532.8	2325.6	2167.5	2012.0
2970.4	3087.3	2818.9	2522.2	2379.7	2275.9	2069.4
2693.7	2817.3	2564.9	2365.0	2312.0	2277.5	1983.3
2182.3	2246.4	2102.7	2057.5	2077.2	2077.7	1663.5
1609.3	1570.8	1505.9	1509.2	1641.8	1621.2	1185.8
1313.8	1075.4	983.4	1018.3	1182.1	1093.8	745.0
1222.7	959.2	791.7	800.0	892.7	704.7	448.6
988.8	874.2	701.0	629.2	610.7	469.5	304.5
413.7	380.5	283.2	255.3	209.3	128.1	58.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)