

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: P180956

Luminaire Tested: **ICM-E01-LED-E1-SLL-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180956  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E01-LED-E1-SLL-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (21) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

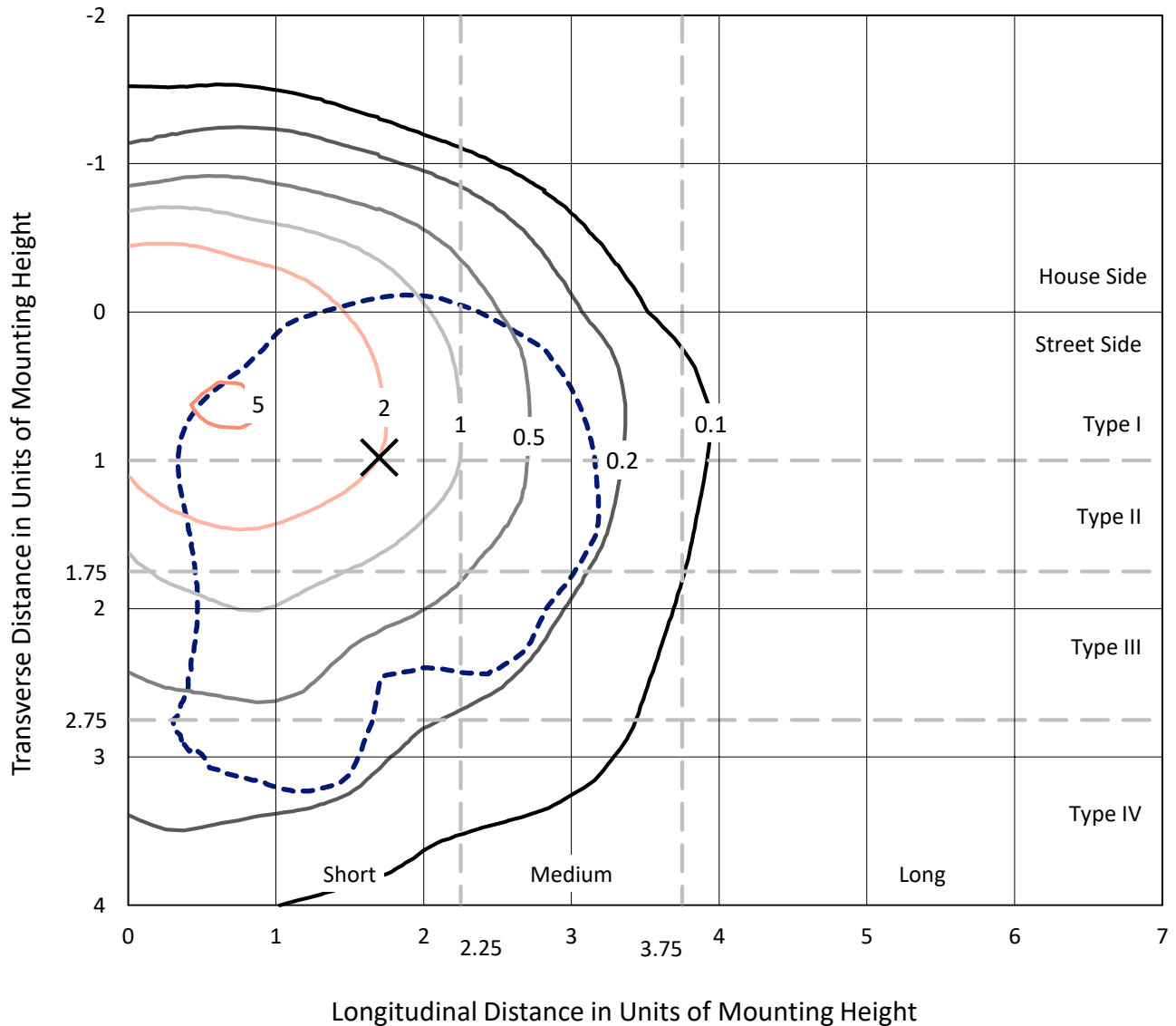
Lumens per Lamp: N/A  
Luminaire Lumens: 2184.5 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

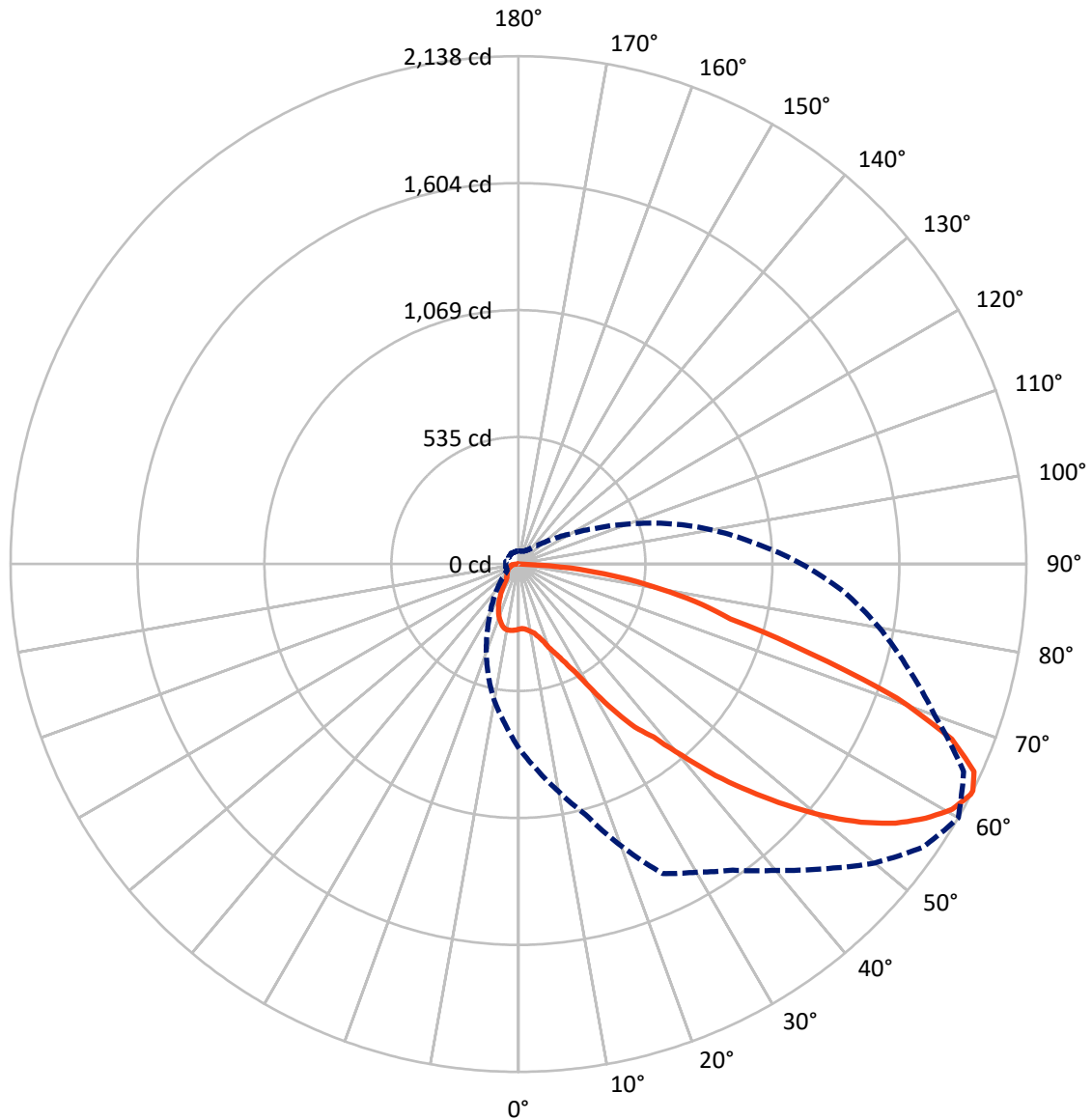
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	473.7	0.0	473.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	1710.8	0.0	1710.8
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2184.5	0.0	2184.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.7	1.2
10°-20°	83.2	3.8
20°-30°	147.9	6.8
30°-40°	232.8	10.7
40°-50°	342.7	15.7
50°-60°	455.2	20.8
60°-70°	501.4	23.0
70°-80°	314.6	14.4
80°-90°	80.1	3.7
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°	2184.5	100.0
0°-180°	2184.5	100.0

**Coefficient of Utilization**



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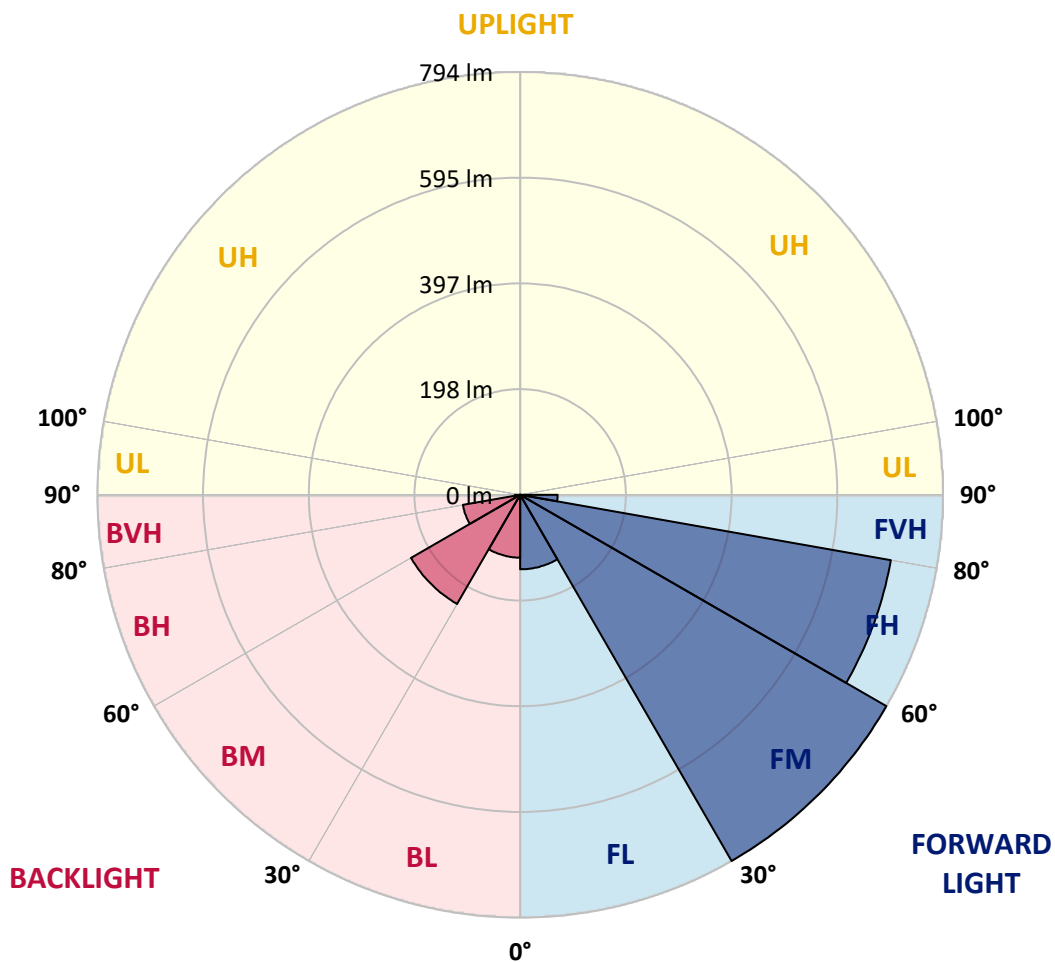
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	139.9	6.4			
FM (30°-60°)	793.9	36.3			
FH (60°-80°)	706.7	32.4			G1/1800
FVH (80°-90°)	70.3	3.2			G1/100
BL (0°-30°)	117.9	5.4	B1/500		
BM (30°-60°)	236.8	10.8	B1/1000		
BH (60°-80°)	109.2	5.0	B0/110		G0/110
BVH (80°-90°)	9.8	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	270.9	271.4	271.4	271.2	271.2	271.6	271.4	271.2	270.3	271.4	271.4
5°	268.7	269.3	269.3	269.9	270.3	270.9	270.9	271.4	271.2	272.2	272.9
7.5°	271.4	271.9	272.9	274.2	275.1	276.8	276.8	278.2	278.7	279.5	279.3
10°	274.8	276.1	278.4	280.6	282.1	284.2	285.8	287.6	287.6	288.4	288.9
12.5°	280.8	282.1	284.7	287.4	289.7	292.3	294.7	296.5	298.3	298.9	299.9
15°	290.8	292.3	296.3	299.9	302.8	306.2	309.3	313.0	316.4	317.2	317.7
17.5°	305.7	308.8	311.7	318.2	322.4	326.9	331.8	337.1	338.1	343.6	344.9
20°	326.9	330.8	333.4	341.5	348.6	354.3	361.7	367.7	370.0	375.3	380.6
22.5°	363.5	362.7	366.6	374.8	380.0	391.5	397.8	404.1	407.2	415.1	419.3
25°	412.7	416.9	425.5	426.3	431.3	444.7	452.7	459.1	459.3	461.7	466.0
27.5°	461.1	478.4	492.0	499.4	512.7	524.9	524.5	533.4	519.4	522.3	526.5
30°	519.7	548.6	574.1	591.4	605.0	619.4	626.5	631.5	625.5	622.9	617.9
32.5°	574.7	615.0	654.5	685.1	710.5	734.3	750.1	757.1	765.5	786.7	794.2
35°	612.4	669.4	718.6	762.9	805.3	843.2	870.7	886.4	880.4	877.5	875.9
37.5°	634.9	704.5	766.1	828.6	877.2	934.1	976.7	1018.1	1027.4	1011.0	1002.9
40°	649.0	731.4	810.5	884.3	947.4	1020.7	1073.5	1135.5	1182.6	1188.9	1169.6
42.5°	655.8	749.5	841.7	925.1	1010.4	1100.2	1167.2	1242.3	1312.8	1361.1	1349.1
45°	656.8	761.3	864.4	962.1	1063.5	1170.1	1256.5	1339.6	1433.9	1516.8	1519.2
47.5°	656.8	770.2	880.1	988.8	1111.2	1230.8	1325.0	1423.5	1538.8	1636.9	1667.1
50°	657.4	776.2	894.8	1009.7	1147.5	1282.1	1388.6	1504.8	1626.2	1733.0	1791.1
52.5°	659.7	780.7	906.2	1024.6	1171.2	1318.2	1438.1	1572.1	1692.9	1802.6	1877.7
55°	665.0	787.0	914.6	1033.8	1186.8	1341.8	1474.0	1618.1	1736.1	1847.4	1952.3
57.5°	679.6	798.0	924.8	1041.9	1195.4	1357.2	1499.1	1638.0	1752.7	1868.6	1991.8
60°	708.9	821.2	942.4	1058.1	1209.9	1385.7	1511.1	1624.7	1740.6	1862.2	2000.8
62.5°	755.8	857.6	966.7	1085.6	1251.0	1430.0	1502.0	1584.8	1693.2	1825.9	1969.0
63°	772.0	865.5	972.2	1091.5	1262.2	1438.1	1498.0	1573.1	1683.5	1814.4	1957.8
65°	817.3	900.3	998.4	1122.0	1308.6	1446.1	1467.4	1511.8	1616.6	1748.7	1891.4
67.5°	901.9	984.8	1054.7	1173.2	1347.5	1414.2	1372.4	1377.9	1487.3	1624.1	1752.4
70°	955.3	1054.1	1090.5	1179.7	1340.5	1366.9	1249.4	1176.7	1264.3	1420.3	1532.6
72.5°	941.3	1054.9	1051.0	1092.7	1199.2	1223.7	1102.1	987.4	1039.4	1155.9	1228.7
75°	806.3	942.1	913.3	904.9	942.4	958.6	867.3	849.8	915.4	980.1	981.1
77.5°	580.5	729.9	696.1	647.7	645.1	682.5	694.8	809.7	906.8	957.9	935.4
80°	369.8	531.8	496.7	412.2	410.9	459.5	567.6	723.9	826.7	855.3	796.7
82.5°	193.1	348.1	361.4	309.3	354.0	434.7	540.2	583.4	622.3	626.2	557.2
85°	120.4	214.0	251.7	259.9	319.8	385.5	384.7	369.5	352.3	301.5	272.7
87.5°	13.6	27.0	40.8	38.7	52.1	73.0	91.1	53.4	37.4	13.6	18.9
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°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	271.9	272.2	272.5	272.5	273.8	273.5	273.8	274.2	275.1	275.5	276.1
5°	274.0	274.0	275.1	275.8	277.4	278.4	279.0	280.6	282.4	281.9	283.4
7.5°	280.8	280.6	281.6	282.1	283.4	285.3	285.0	286.3	287.9	288.4	289.7
10°	290.0	289.2	289.2	288.7	288.9	288.4	288.4	288.4	289.5	289.2	290.2
12.5°	299.4	299.2	298.6	297.0	297.0	295.0	293.9	292.6	292.3	290.5	290.8
15°	318.8	318.8	317.7	314.6	311.9	310.1	307.5	305.7	303.1	299.6	297.9
17.5°	347.0	343.4	342.0	341.5	337.3	335.7	330.0	324.0	321.1	316.4	313.8
20°	381.6	380.7	375.5	372.9	367.7	360.4	353.0	345.2	340.5	334.7	331.5
22.5°	420.6	414.8	412.2	408.3	400.2	391.8	380.7	370.3	363.0	359.1	356.7
25°	466.0	460.4	457.7	452.5	442.5	433.7	420.0	407.7	401.2	394.6	391.0
27.5°	526.5	521.0	518.0	504.3	500.9	486.2	469.5	452.7	444.1	434.4	428.2
30°	616.8	617.1	600.8	584.4	567.4	542.0	524.5	505.6	491.4	477.6	463.7
32.5°	769.4	730.4	700.3	665.0	628.1	601.1	579.4	556.9	537.3	517.1	494.1
35°	862.6	843.7	804.7	740.1	703.0	670.2	646.1	618.9	594.9	559.3	524.2
37.5°	967.8	924.1	876.7	840.8	798.7	760.7	720.5	689.6	648.0	600.1	550.3
40°	1121.4	1058.9	1001.8	953.7	899.3	859.4	814.4	769.7	714.4	645.1	576.8
42.5°	1281.9	1217.2	1141.8	1079.3	1015.2	968.6	912.8	850.1	768.8	683.1	599.5
45°	1450.1	1363.7	1273.5	1197.0	1130.3	1072.5	1003.4	920.2	821.2	717.0	620.7
47.5°	1616.0	1516.8	1409.3	1327.1	1240.2	1169.6	1084.8	979.5	862.1	749.2	642.0
50°	1762.3	1666.8	1537.2	1432.8	1344.9	1257.8	1152.0	1025.4	894.2	777.0	661.0
52.5°	1888.5	1806.2	1670.0	1538.1	1436.8	1338.9	1206.2	1062.2	926.7	802.6	676.7
55°	1981.1	1926.4	1800.8	1637.2	1517.6	1400.9	1252.0	1097.9	957.3	823.1	687.0
57.5°	2051.0	2020.7	1912.8	1730.6	1591.9	1461.1	1299.4	1140.5	987.6	840.6	691.7
60°	2089.2	2097.6	1997.6	1812.3	1657.6	1511.4	1346.7	1176.8	1010.1	850.8	689.0
62.5°	2085.5	2136.9	2061.2	1862.5	1695.8	1541.2	1378.6	1193.9	1007.1	834.6	665.2
63°	2078.4	2138.2	2068.3	1866.0	1698.2	1542.2	1379.5	1191.5	1000.5	826.7	655.8
65°	2017.5	2108.0	2062.2	1850.5	1677.2	1522.6	1363.0	1157.5	954.4	784.6	607.4
67.5°	1854.2	1967.5	1954.4	1741.4	1578.1	1441.5	1278.7	1047.8	840.6	680.9	514.8
70°	1584.4	1690.9	1693.2	1514.5	1378.1	1244.1	1108.8	852.7	666.3	527.8	383.9
72.5°	1214.3	1282.9	1306.7	1188.9	1097.6	1003.4	882.0	618.9	475.0	359.1	250.0
75°	940.3	921.5	921.2	871.4	834.3	788.3	654.8	417.7	311.9	233.4	152.8
77.5°	845.3	761.6	680.5	620.7	590.9	575.4	429.5	251.7	184.0	134.2	87.9
80°	697.2	573.7	463.4	399.1	373.5	391.3	239.4	136.1	100.7	76.4	57.0
82.5°	480.7	399.1	303.4	251.3	215.6	225.6	122.5	69.6	46.6	42.7	35.3
85°	250.4	219.5	185.3	159.1	140.6	123.5	63.6	33.2	19.3	17.0	15.4
87.5°	0.0	0.3	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	276.8	276.7	277.1	277.4	278.2	278.7	279.0	278.4	279.3	280.0	279.5
5°	284.2	286.0	286.3	287.1	287.1	288.7	288.7	288.7	288.4	288.7	288.1
7.5°	290.5	292.8	293.1	294.1	294.4	296.3	295.4	296.0	296.0	294.7	294.1
10°	291.3	293.7	295.0	296.3	298.0	300.5	300.5	301.8	301.8	300.7	300.5
12.5°	291.5	293.4	294.7	296.5	299.2	302.5	304.4	306.2	307.0	306.7	306.0
15°	297.0	297.0	297.3	298.9	300.7	304.8	307.5	309.6	310.9	310.4	309.1
17.5°	311.4	309.3	307.7	305.1	305.7	307.7	309.3	311.2	311.4	310.9	308.8
20°	328.2	325.6	321.7	317.5	315.4	313.8	312.7	312.7	311.9	309.3	306.0
22.5°	352.0	348.6	343.1	336.8	332.7	327.6	321.7	315.9	309.6	303.4	296.0
25°	384.9	380.3	374.5	364.8	355.9	345.5	333.1	320.3	305.4	292.3	281.6
27.5°	418.2	407.7	392.8	379.4	363.0	347.3	329.8	314.0	295.0	279.3	267.4
30°	445.7	425.8	404.4	383.2	361.4	340.2	319.3	300.5	279.5	263.5	252.0
32.5°	466.9	439.4	409.6	381.9	355.2	329.2	305.1	284.2	263.0	246.5	234.2
35°	486.5	448.3	410.3	376.1	343.1	316.1	288.9	266.1	243.6	226.4	213.0
37.5°	501.1	452.5	405.7	365.3	327.4	297.3	269.6	246.2	223.3	204.4	189.2
40°	510.6	449.9	395.4	349.9	308.8	277.1	248.8	224.8	202.5	181.9	163.5
42.5°	518.1	446.4	385.2	335.7	294.1	259.6	230.6	204.7	182.1	159.6	139.4
45°	529.4	449.1	380.7	325.9	281.0	244.7	212.7	185.8	162.2	140.3	120.9
47.5°	540.4	450.4	374.2	313.5	264.6	229.2	196.8	170.6	146.5	126.4	108.7
50°	550.3	449.6	364.0	297.9	248.7	213.8	182.4	156.3	132.5	113.9	97.1
52.5°	555.1	445.1	351.4	282.6	235.8	200.2	168.3	142.9	119.3	101.8	86.3
55°	554.5	433.7	335.0	268.3	221.7	185.8	154.4	129.3	108.1	91.8	78.5
57.5°	546.7	415.8	317.5	252.3	203.1	168.0	138.1	113.9	96.0	82.4	71.2
60°	530.2	393.1	294.4	229.0	179.8	146.0	118.0	97.1	82.7	72.2	64.9
62.5°	499.4	360.4	265.7	196.6	148.4	117.5	93.2	79.5	68.8	62.5	59.2
63°	490.1	351.4	253.3	188.7	141.0	111.0	87.9	73.8	66.0	60.5	57.3
65°	444.7	307.7	212.0	152.3	109.7	85.6	70.7	59.9	55.3	52.8	52.6
67.5°	360.1	242.0	150.0	104.5	74.6	61.8	54.1	49.8	47.6	47.1	47.6
70°	252.8	152.8	95.3	69.4	55.3	49.8	46.3	44.5	43.2	43.4	44.0
72.5°	161.2	91.6	65.4	52.6	46.6	43.7	42.1	41.6	41.4	41.1	41.1
75°	91.8	60.9	50.2	45.6	42.4	40.0	38.7	38.2	38.5	38.7	38.2
77.5°	60.7	50.2	44.7	41.6	38.7	36.1	35.3	35.1	35.6	36.1	36.1
80°	47.9	44.7	41.6	38.5	33.8	31.9	32.5	32.7	32.5	32.7	31.9
82.5°	33.8	33.2	34.0	32.7	28.0	26.4	26.0	26.1	25.7	25.7	25.1
85°	15.7	15.7	16.5	16.5	16.0	16.2	17.5	19.1	19.9	19.1	18.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.7	6.8	7.3	9.1	8.9
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°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	278.7	279.3	279.0	278.7	279.3	278.7	279.0	278.7	278.7	278.4	278.4
5°	287.6	288.4	286.8	286.6	286.0	284.7	284.7	284.2	284.2	283.2	282.4
7.5°	293.4	293.7	292.3	292.1	290.8	289.5	288.4	287.4	287.1	286.3	284.7
10°	298.9	298.3	297.3	296.0	294.7	292.8	291.5	290.2	290.0	288.7	286.8
12.5°	303.5	303.4	301.2	299.9	297.9	296.0	294.4	292.8	292.1	290.5	287.9
15°	306.7	305.1	302.5	300.2	297.9	295.7	293.9	292.1	291.3	289.5	286.8
17.5°	305.4	302.5	299.2	296.3	293.1	290.5	288.9	287.1	285.8	284.7	281.0
20°	300.7	296.5	291.3	287.9	283.7	280.3	279.3	277.4	276.4	272.5	267.7
22.5°	288.4	282.4	275.8	270.9	266.1	262.8	260.1	258.3	255.7	253.3	246.0
25°	272.9	266.1	259.4	253.3	247.1	241.8	237.1	232.7	231.4	226.4	219.4
27.5°	258.0	250.4	243.6	236.6	228.5	222.0	213.8	207.5	203.4	198.1	191.5
30°	242.0	234.5	225.3	215.9	206.5	199.4	190.2	182.7	177.4	171.9	166.0
32.5°	222.0	212.7	201.8	191.4	182.7	174.3	165.1	157.8	152.6	147.6	141.9
35°	198.9	186.9	175.1	163.5	154.4	147.3	139.3	133.8	130.0	125.6	119.6
37.5°	172.5	158.9	146.3	137.4	129.3	122.5	116.7	113.3	109.4	107.1	103.3
40°	145.8	132.5	120.1	112.0	105.2	101.3	98.1	97.4	94.7	91.6	89.2
42.5°	122.2	109.4	97.4	90.8	86.3	85.3	83.7	83.7	82.4	80.1	78.5
45°	106.2	92.9	82.4	77.8	75.3	75.1	74.3	74.3	74.0	73.0	71.2
47.5°	94.7	82.7	74.6	71.7	71.2	70.7	69.9	69.6	69.4	68.6	67.5
50°	84.3	74.0	68.8	67.5	67.8	67.0	66.2	65.4	65.2	64.4	63.3
52.5°	74.6	67.3	63.8	63.1	63.1	63.1	62.5	62.5	62.0	61.8	60.7
55°	69.1	63.6	61.8	61.5	61.2	60.9	60.5	60.5	59.9	59.6	58.3
57.5°	64.4	60.9	59.9	59.4	59.2	58.6	58.3	58.3	58.3	58.3	56.7
60°	60.7	59.2	58.9	58.3	58.1	57.0	56.6	56.3	56.6	56.7	55.3
62.5°	56.7	56.6	56.3	55.7	55.4	54.4	53.7	53.1	53.7	54.1	54.0
63°	55.7	55.4	55.4	55.3	55.0	53.7	52.8	52.4	52.8	53.4	53.4
65°	52.1	52.4	52.4	52.1	51.8	51.1	50.0	49.5	49.8	50.5	50.8
67.5°	48.2	48.4	48.2	48.4	48.2	47.6	46.9	46.3	46.0	46.3	46.6
70°	44.5	45.0	44.7	44.5	44.2	44.2	43.7	42.9	42.7	42.4	42.4
72.5°	41.4	41.4	40.8	40.8	40.6	40.6	40.0	39.3	39.0	39.0	38.5
75°	38.0	38.0	37.1	37.1	36.7	36.9	36.4	35.6	35.3	35.3	35.1
77.5°	35.8	35.1	33.8	33.5	33.2	33.2	32.9	32.2	31.9	31.9	31.6
80°	31.6	30.1	28.7	28.6	28.7	29.3	29.3	28.7	28.7	28.7	28.7
82.5°	24.6	24.1	23.3	22.8	22.8	23.5	24.6	25.1	25.7	26.1	26.1
85°	18.0	18.3	18.0	17.3	17.0	17.8	18.9	19.9	20.2	21.2	20.9
87.5°	9.7	10.0	9.1	8.9	9.7	10.2	11.3	11.5	12.0	12.3	12.6
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5
2.5°	278.2	278.0	278.2	277.7	277.7	277.1	276.7	276.4	275.8	275.5	275.1
5°	282.9	282.1	281.3	281.0	280.0	279.0	278.2	276.8	275.8	274.0	273.5
7.5°	286.0	284.2	283.2	282.9	281.3	280.6	278.7	277.1	275.5	273.2	272.5
10°	287.4	285.5	283.7	282.9	281.0	279.7	278.0	275.5	274.2	271.9	271.4
12.5°	288.9	285.5	282.6	280.6	278.0	275.1	273.2	271.9	270.0	268.7	268.3
15°	286.0	281.6	277.1	273.2	269.0	265.9	264.1	262.0	259.9	259.1	259.1
17.5°	278.2	272.5	264.8	259.9	255.4	252.0	249.7	247.5	247.4	246.2	246.8
20°	262.0	254.4	247.1	243.4	240.7	238.7	236.3	235.3	234.5	232.9	232.4
22.5°	239.4	233.2	227.9	225.3	223.3	220.7	218.5	215.4	214.6	213.0	212.3
25°	214.6	209.6	205.2	203.4	202.0	198.3	197.0	192.8	190.0	188.2	189.2
27.5°	189.8	186.0	181.9	179.5	178.7	175.3	174.0	169.3	167.0	167.0	164.4
30°	164.1	160.7	158.0	155.4	154.9	150.7	147.3	145.5	142.9	141.9	140.0
32.5°	140.0	136.7	134.5	133.2	131.1	127.7	124.3	121.2	117.0	115.4	114.6
35°	117.8	115.2	112.6	111.4	108.7	104.9	100.7	98.1	93.2	91.3	90.5
37.5°	100.7	97.6	95.8	92.9	90.0	86.1	83.0	80.6	78.8	78.0	78.0
40°	87.2	84.8	82.7	80.4	78.0	75.9	74.3	73.8	73.6	73.6	74.0
42.5°	76.9	74.9	73.8	72.5	71.7	71.7	71.4	71.7	72.0	72.2	73.0
45°	70.1	68.8	68.3	68.0	68.6	69.1	69.4	69.9	70.9	71.4	71.7
47.5°	66.5	65.4	65.2	65.4	66.2	67.3	68.3	69.1	69.9	70.1	70.4
50°	62.8	61.5	60.9	61.5	62.5	64.1	64.9	66.2	66.7	67.3	66.7
52.5°	59.6	58.6	58.3	58.3	59.4	60.5	61.5	62.5	62.8	62.8	62.5
55°	57.0	56.3	55.4	56.0	56.7	57.9	59.4	60.2	60.7	60.9	60.9
57.5°	55.0	54.1	53.4	54.0	54.7	55.7	57.3	58.1	58.6	59.4	59.6
60°	53.4	52.4	51.5	52.4	53.1	54.7	56.0	56.7	58.1	58.3	58.3
62.5°	51.8	50.8	49.5	50.2	50.2	51.1	52.4	53.4	54.7	55.3	55.3
63°	51.5	50.5	49.2	49.8	49.8	50.2	51.3	52.4	54.0	54.4	54.1
65°	49.5	49.2	47.9	47.9	47.3	47.9	48.7	49.8	50.5	51.3	51.3
67.5°	46.0	45.8	45.6	45.6	45.6	46.0	46.6	47.3	48.2	48.7	48.4
70°	42.1	42.1	42.1	42.4	42.4	42.9	43.2	42.9	43.7	44.2	44.0
72.5°	38.7	38.5	38.2	38.7	38.5	38.5	39.0	38.7	39.5	39.5	39.8
75°	35.1	34.8	34.8	35.1	34.5	34.0	34.3	34.3	34.5	34.5	35.1
77.5°	31.9	31.9	31.9	31.6	31.2	30.9	30.6	30.6	30.6	30.6	30.9
80°	29.0	29.0	29.0	28.7	28.3	27.7	27.3	27.0	26.7	25.4	25.4
82.5°	26.1	26.1	26.1	26.1	26.0	25.4	24.6	22.5	21.5	20.4	20.7
85°	20.7	21.2	21.8	22.5	22.2	22.2	20.7	18.0	16.5	15.4	15.7
87.5°	13.3	11.8	11.8	11.5	11.0	10.5	10.5	8.9	7.3	6.5	6.8
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	0°
2.5°	275.1	274.5	274.0	274.0	273.2	273.2	272.7	273.8	272.7	271.9	271.9	2.5°
5°	272.9	272.5	270.9	270.6	269.6	269.6	269.6	269.0	269.0	268.5	268.3	5°
7.5°	271.6	270.3	269.0	268.3	268.3	267.7	268.7	268.3	268.5	268.5	268.7	7.5°
10°	270.6	269.6	269.0	268.7	268.7	269.6	270.3	270.6	270.3	270.6	270.6	10°
12.5°	268.0	268.5	268.7	269.9	271.2	272.7	274.5	274.8	275.4	275.4	275.8	12.5°
15°	259.6	260.9	262.5	265.1	268.5	271.9	275.4	278.2	280.8	282.1	283.2	15°
17.5°	247.8	249.1	252.0	254.9	259.4	264.3	270.0	275.1	280.6	285.5	290.5	17.5°
20°	231.9	234.0	234.8	240.0	245.2	252.0	258.8	266.7	276.1	285.5	295.2	20°
22.5°	211.2	213.6	217.2	221.4	226.9	235.3	243.4	255.7	268.3	281.6	296.7	22.5°
25°	188.2	190.8	194.0	198.3	203.9	212.7	224.6	237.6	253.0	270.6	289.5	25°
27.5°	164.4	167.0	169.6	172.7	179.0	188.5	202.3	215.9	232.9	252.0	274.0	27.5°
30°	140.6	140.8	142.3	146.3	152.8	165.1	175.3	192.4	210.1	230.3	255.7	30°
32.5°	114.3	114.1	115.9	119.3	125.6	137.4	150.0	166.4	184.0	209.4	235.5	32.5°
35°	91.1	91.1	94.5	97.9	104.9	113.3	124.3	139.0	159.6	183.2	209.4	35°
37.5°	78.8	80.6	82.7	86.1	91.6	98.1	107.8	120.7	136.8	159.3	183.4	37.5°
40°	74.9	75.9	77.8	80.8	85.6	91.6	98.7	108.4	120.9	139.0	160.9	40°
42.5°	73.3	73.6	74.6	76.9	81.1	87.2	94.5	103.1	112.6	125.4	144.5	42.5°
45°	71.7	71.4	72.0	73.8	77.2	84.0	92.4	101.8	111.3	122.0	137.7	45°
47.5°	70.4	70.4	70.4	71.2	74.3	81.1	90.8	101.8	113.0	125.1	140.6	47.5°
50°	66.7	66.5	66.5	67.0	69.4	76.7	88.2	101.6	116.2	131.9	149.4	50°
52.5°	62.5	62.5	62.8	63.1	65.2	72.5	85.3	101.6	119.8	140.8	162.8	52.5°
55°	61.2	61.5	61.8	61.5	63.1	69.4	82.1	100.0	121.4	147.9	177.2	55°
57.5°	60.2	60.7	60.7	60.5	61.5	66.7	79.1	96.8	120.1	150.5	187.3	57.5°
60°	58.6	58.6	58.6	57.9	58.3	63.1	74.3	91.8	115.9	148.1	188.9	60°
62.5°	55.3	55.3	54.7	54.4	54.1	57.9	68.0	84.6	108.4	141.9	185.0	62.5°
63°	54.4	54.1	54.1	53.4	53.4	56.7	66.7	83.4	106.2	140.3	183.4	63°
65°	51.5	51.5	51.5	51.1	50.8	53.4	61.5	76.2	98.1	132.9	175.6	65°
67.5°	48.4	48.7	48.2	47.9	47.6	49.2	55.4	67.0	85.6	117.5	160.9	67.5°
70°	44.0	44.2	44.2	44.0	43.7	44.7	48.7	57.6	70.9	97.9	137.1	70°
72.5°	40.0	40.6	40.6	41.1	41.1	41.9	43.4	47.9	56.7	76.4	107.8	72.5°
75°	35.8	36.1	36.7	37.1	36.7	36.4	36.7	40.0	44.5	56.6	76.9	75°
77.5°	32.2	32.9	32.9	32.7	31.9	31.4	31.4	32.9	36.7	42.9	55.0	77.5°
80°	26.7	28.0	28.3	27.4	26.7	26.7	27.3	28.3	30.6	35.3	41.6	80°
82.5°	21.5	22.8	23.1	23.3	23.1	23.8	23.8	24.1	25.4	29.0	34.0	82.5°
85°	16.5	17.5	18.3	18.6	18.9	19.1	18.9	17.5	18.3	20.7	23.1	85°
87.5°	7.3	7.6	7.1	7.3	7.1	7.3	7.6	6.3	6.0	8.1	8.4	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°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
274.5	274.5	274.5	274.5	274.5	274.5	274.5
271.6	271.6	271.9	271.4	271.4	271.6	270.9
267.4	268.5	268.5	268.5	268.0	268.5	268.7
268.5	269.3	269.9	269.9	269.6	270.6	271.4
269.9	271.2	271.6	271.6	271.6	272.9	274.8
274.8	275.8	276.7	276.7	277.1	278.7	280.8
283.9	285.3	285.3	285.0	286.6	288.4	290.8
294.1	297.9	299.6	299.4	300.7	303.1	305.7
303.8	314.0	318.5	321.7	323.0	326.0	326.9
311.9	328.9	341.3	351.7	356.7	359.8	363.5
309.1	332.1	354.0	375.5	390.7	406.1	412.7
297.3	326.0	354.9	386.2	413.8	441.2	461.1
282.9	317.5	356.2	400.7	444.1	486.2	519.7
266.4	309.3	359.1	414.0	471.1	526.3	574.7
245.8	293.9	352.0	415.4	482.6	549.6	612.4
219.5	272.9	335.5	405.9	483.1	559.8	634.9
193.4	246.5	314.6	392.3	476.3	562.1	649.0
175.1	223.0	293.4	375.0	465.3	558.5	655.8
162.5	206.0	274.5	359.4	453.5	551.9	656.8
161.5	198.6	262.2	347.8	444.1	546.1	656.8
170.3	202.5	258.0	342.0	440.2	544.4	657.4
187.2	218.2	265.7	346.5	443.4	546.7	659.7
207.3	242.0	286.0	362.0	456.7	554.5	665.0
225.6	269.6	320.8	391.8	481.0	574.4	679.6
236.3	293.1	357.8	433.7	522.6	614.0	708.9
237.6	306.2	390.4	479.2	573.1	659.3	755.8
236.6	307.3	394.6	487.8	583.8	670.5	772.0
230.8	307.5	406.4	518.1	621.0	717.9	817.3
216.2	299.2	410.6	542.0	667.9	780.1	901.9
190.8	275.4	398.3	542.5	686.0	815.0	955.3
153.4	230.0	345.2	493.6	638.3	780.7	941.3
112.3	169.0	260.9	382.3	520.7	649.8	806.3
74.6	109.4	175.9	272.5	373.5	467.6	580.5
51.3	67.8	102.9	163.8	228.5	274.2	369.8
37.7	44.7	57.0	83.7	110.0	135.3	193.1
23.5	25.7	28.6	41.4	59.2	79.8	120.4
6.3	6.5	6.0	8.1	12.8	12.3	13.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)