

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: P180963

Luminaire Tested: **ICM-F01-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180963
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-F01-LED-E1-SLL
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2136.7 lumens
Efficiency: N/A
Efficacy: 82.5 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

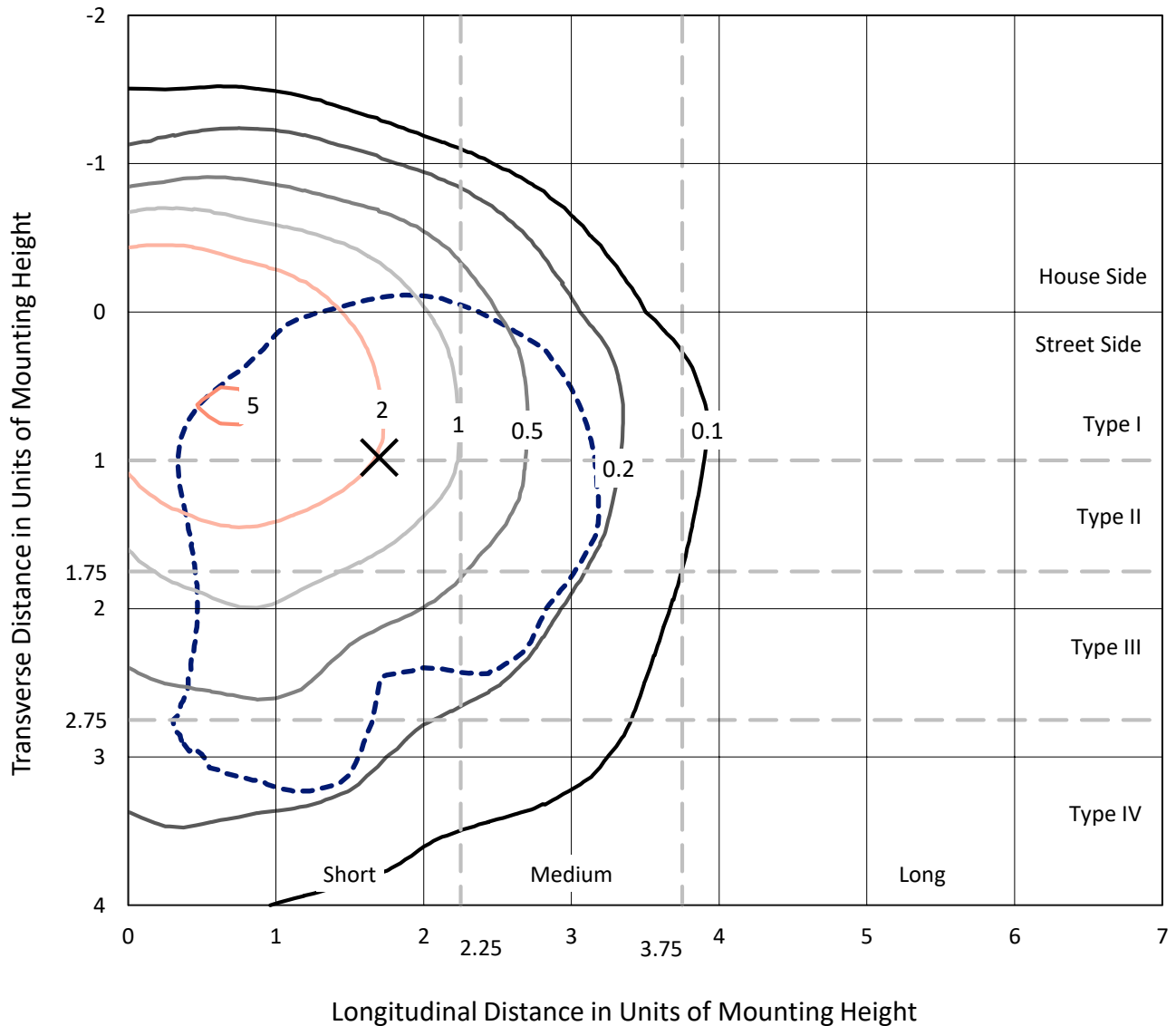
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

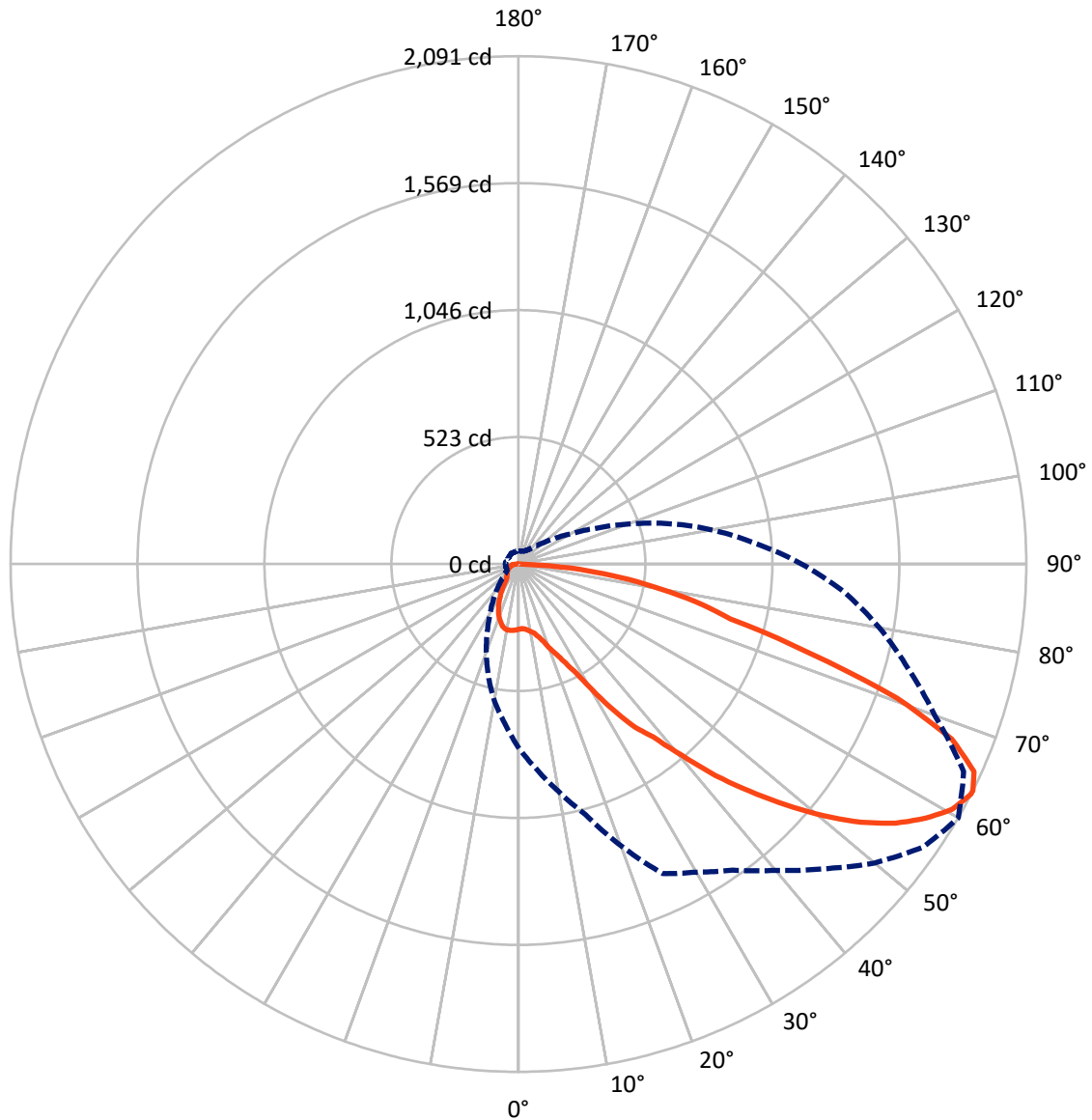
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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
House Side	Lumens	463.4	0.0	463.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1673.4	0.0	1673.4
	% Fixture	78.3	0.0	78.3
Total	Lumens	2136.7	0.0	2136.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.2
10°-20°	81.4	3.8
20°-30°	144.6	6.8
30°-40°	227.7	10.7
40°-50°	335.2	15.7
50°-60°	445.2	20.8
60°-70°	490.4	23.0
70°-80°	307.7	14.4
80°-90°	78.4	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°	2136.7	100.0
0°-180°	2136.7	100.0



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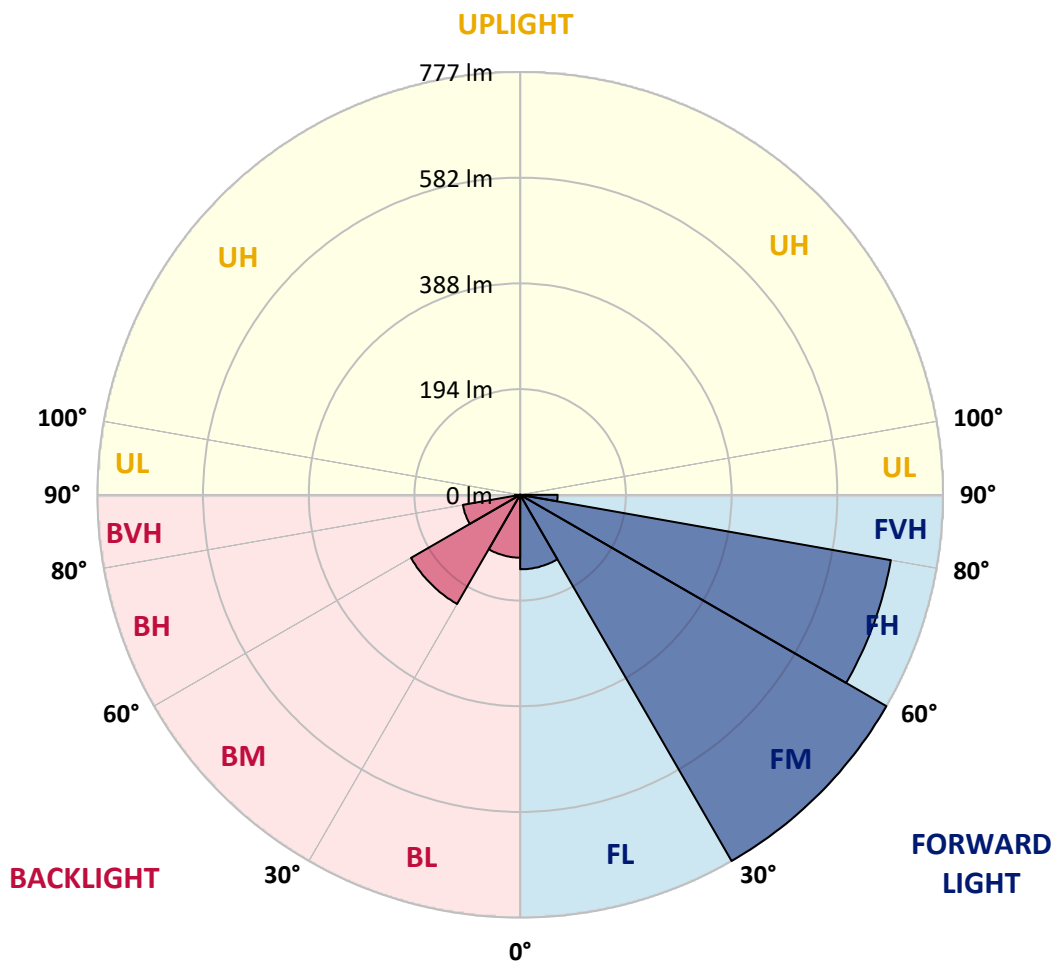
CATALOG NUMBER: ICM-F01-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.8	6.4			
FM	(30°-60°)	776.5	36.3			
FH	(60°-80°)	691.3	32.4			G1/1800
FVH	(80°-90°)	68.8	3.2			G1/100
BL	(0°-30°)	115.4	5.4	B1/500		
BM	(30°-60°)	231.6	10.8	B1/1000		
BH	(60°-80°)	106.8	5.0	B0/110		G0/110
BVH	(80°-90°)	9.6	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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	264.9	265.5	265.5	265.2	265.2	265.7	265.5	265.2	264.5	265.5	265.5
5°	262.9	263.4	263.4	263.9	264.5	264.9	264.9	265.5	265.2	266.2	267.0
7.5°	265.5	266.0	267.0	268.3	269.0	270.8	270.8	272.1	272.7	273.4	273.1
10°	268.7	270.0	272.4	274.4	275.9	278.0	279.5	281.3	281.3	282.0	282.6
12.5°	274.7	275.9	278.5	281.0	283.4	286.0	288.2	290.0	291.8	292.3	293.4
15°	284.4	286.0	289.8	293.4	296.2	299.5	302.6	306.1	309.5	310.2	310.8
17.5°	299.0	302.0	304.8	311.3	315.4	319.7	324.6	329.7	330.7	336.1	337.4
20°	319.7	323.5	326.1	334.0	340.9	346.6	353.8	359.6	362.0	367.1	372.2
22.5°	355.5	354.8	358.6	366.6	371.7	383.0	389.1	395.3	398.3	406.0	410.0
25°	403.7	407.8	416.2	417.0	421.9	434.9	442.9	449.0	449.2	451.5	455.9
27.5°	451.1	467.9	481.2	488.4	501.5	513.5	513.0	521.7	508.1	510.9	515.1
30°	508.4	536.6	561.6	578.5	591.8	605.9	612.8	617.7	611.8	609.2	604.4
32.5°	562.1	601.6	640.2	670.1	695.0	718.2	733.7	740.6	748.7	769.5	776.9
35°	599.0	654.8	702.9	746.1	787.6	824.7	851.6	867.0	861.1	858.3	856.7
37.5°	621.0	689.1	749.2	810.4	858.1	913.6	955.4	995.7	1004.9	988.8	980.9
40°	634.8	715.4	792.7	864.9	926.6	998.3	1050.1	1110.7	1156.8	1162.9	1144.0
42.5°	641.5	733.1	823.3	904.8	988.4	1076.1	1141.7	1215.2	1284.0	1331.4	1319.5
45°	642.5	744.7	845.5	940.9	1040.3	1144.5	1228.9	1310.3	1402.5	1483.6	1486.0
47.5°	642.5	753.3	860.8	967.1	1086.9	1203.8	1296.0	1392.3	1505.1	1601.1	1630.6
50°	643.0	759.3	875.2	987.5	1122.4	1254.1	1358.2	1471.9	1590.6	1695.1	1751.9
52.5°	645.3	763.5	886.4	1002.1	1145.5	1289.4	1406.6	1537.7	1655.9	1763.2	1836.7
55°	650.4	769.8	894.6	1011.1	1160.8	1312.4	1441.7	1582.7	1698.1	1807.0	1909.6
57.5°	664.7	780.5	904.7	1019.1	1169.3	1327.5	1466.2	1602.1	1714.2	1827.6	1948.3
60°	693.4	803.3	921.8	1034.9	1183.4	1355.5	1478.1	1589.1	1702.5	1821.5	1956.9
62.5°	739.3	838.8	945.6	1061.8	1223.5	1398.7	1469.0	1550.2	1656.2	1786.0	1926.0
63°	755.2	846.5	951.0	1067.7	1234.6	1406.6	1465.2	1538.7	1646.7	1774.7	1915.0
65°	799.4	880.6	976.6	1097.4	1279.9	1414.5	1435.3	1478.8	1581.2	1710.4	1850.0
67.5°	882.1	963.3	1031.6	1147.5	1318.1	1383.3	1342.3	1347.7	1454.7	1588.6	1714.1
70°	934.3	1031.1	1066.7	1154.0	1311.1	1336.9	1222.1	1150.9	1236.7	1389.2	1499.0
72.5°	920.7	1031.8	1028.0	1068.8	1172.9	1196.9	1078.0	965.8	1016.8	1130.6	1201.8
75°	788.7	921.5	893.4	885.2	921.8	937.7	848.3	831.2	895.4	958.6	959.6
77.5°	567.7	714.0	680.9	633.6	631.0	667.6	679.6	792.0	887.0	936.8	914.9
80°	361.7	520.2	485.9	403.2	401.9	449.5	555.3	708.0	808.7	836.6	779.2
82.5°	188.9	340.5	353.5	302.6	346.3	425.2	528.4	570.6	608.7	612.6	544.9
85°	117.8	209.4	246.2	254.1	312.8	377.0	376.3	361.4	344.6	294.9	266.7
87.5°	13.3	26.3	39.9	37.9	51.0	71.4	89.1	52.2	36.7	13.3	18.4
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	266.0	266.2	266.5	266.5	267.7	267.5	267.7	268.3	269.0	269.6	270.0
5°	268.0	268.0	269.0	269.8	271.4	272.4	272.8	274.4	276.2	275.7	277.2
7.5°	274.7	274.4	275.4	275.9	277.2	279.0	278.8	280.0	281.6	282.0	283.4
10°	283.6	282.9	282.9	282.3	282.6	282.0	282.0	282.0	283.1	282.9	283.9
12.5°	292.8	292.6	292.1	290.5	290.5	288.5	287.4	286.1	286.0	284.1	284.4
15°	311.8	311.8	310.8	307.7	305.1	303.4	300.7	299.0	296.5	293.1	291.3
17.5°	339.4	335.8	334.6	334.0	330.0	328.4	322.8	316.9	314.0	309.5	306.9
20°	373.2	372.5	367.4	364.7	359.6	352.5	345.3	337.7	333.0	327.4	324.3
22.5°	411.4	405.8	403.2	399.4	391.4	383.2	372.5	362.2	355.1	351.2	348.9
25°	455.9	450.2	447.7	442.6	432.8	424.2	410.9	398.8	392.4	386.0	382.4
27.5°	515.1	509.7	506.6	493.3	490.0	475.6	459.3	442.9	434.4	424.9	418.8
30°	603.4	603.6	587.7	571.6	555.0	530.1	513.0	494.5	480.7	467.2	453.6
32.5°	752.6	714.4	685.0	650.4	614.3	588.0	566.7	544.7	525.5	505.8	483.3
35°	843.7	825.3	787.2	723.9	687.5	655.5	632.0	605.4	581.9	547.0	512.7
37.5°	946.6	903.8	857.5	822.4	781.2	744.1	704.7	674.5	633.8	587.0	538.3
40°	1096.8	1035.7	979.9	932.7	879.5	840.7	796.6	752.8	698.8	631.0	564.2
42.5°	1253.8	1190.5	1116.8	1055.6	992.9	947.4	892.8	831.4	752.1	668.1	586.4
45°	1418.3	1333.9	1245.6	1170.9	1105.6	1049.0	981.4	900.0	803.3	701.4	607.2
47.5°	1580.7	1483.6	1378.4	1298.1	1213.1	1144.0	1061.0	958.1	843.2	732.8	627.9
50°	1723.7	1630.3	1503.6	1401.5	1315.4	1230.2	1126.8	1002.9	874.7	760.0	646.6
52.5°	1847.2	1766.8	1633.4	1504.4	1405.3	1309.6	1179.8	1039.0	906.4	785.1	662.0
55°	1937.8	1884.3	1761.4	1601.4	1484.4	1370.2	1224.6	1073.9	936.4	805.0	671.9
57.5°	2006.1	1976.4	1871.0	1692.8	1557.1	1429.1	1270.9	1115.5	966.1	822.2	676.6
60°	2043.5	2051.6	1953.9	1772.7	1621.4	1478.2	1317.3	1151.2	988.1	832.2	674.0
62.5°	2039.9	2090.1	2016.1	1821.8	1658.7	1507.5	1348.5	1167.7	985.0	816.3	650.7
63°	2032.9	2091.4	2023.0	1825.1	1661.0	1508.5	1349.2	1165.5	978.6	808.7	641.5
65°	1973.3	2061.9	2017.1	1810.1	1640.6	1489.3	1333.1	1132.2	933.6	767.4	594.1
67.5°	1813.6	1924.5	1911.6	1703.3	1543.5	1410.0	1250.7	1024.9	822.2	666.1	503.5
70°	1549.7	1653.9	1656.2	1481.3	1348.0	1216.9	1084.6	834.0	651.7	516.3	375.5
72.5°	1187.7	1254.8	1278.1	1162.9	1073.6	981.4	862.6	605.4	464.6	351.2	244.5
75°	919.7	901.3	901.0	852.4	816.1	771.0	640.5	408.6	305.1	228.4	149.5
77.5°	826.8	744.9	665.6	607.2	578.0	562.9	420.1	246.2	179.9	131.3	86.0
80°	682.0	561.1	453.3	390.3	365.3	382.7	234.2	133.1	98.5	74.8	55.8
82.5°	470.2	390.3	296.7	245.8	210.9	220.7	119.8	68.1	45.6	41.8	34.5
85°	244.9	214.8	181.2	155.6	137.5	120.8	62.2	32.5	19.0	16.7	15.1
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	270.8	270.6	271.1	271.4	272.1	272.7	272.8	272.4	273.1	273.9	273.4
5°	278.0	279.8	280.0	280.8	280.8	282.3	282.3	282.3	282.0	282.3	281.9
7.5°	284.1	286.4	286.7	287.7	288.0	289.8	289.0	289.5	289.5	288.2	287.7
10°	284.9	287.2	288.5	289.8	291.5	293.9	293.9	295.2	295.2	294.1	293.9
12.5°	285.1	287.0	288.2	290.0	292.6	295.9	297.7	299.5	300.3	300.0	299.3
15°	290.5	290.5	290.8	292.3	294.1	298.2	300.7	302.8	304.1	303.6	302.3
17.5°	304.7	302.6	301.0	298.5	299.0	301.0	302.6	304.4	304.7	304.1	302.0
20°	321.0	318.4	314.6	310.5	308.5	306.9	305.9	305.9	305.1	302.6	299.3
22.5°	344.3	340.9	335.6	329.5	325.3	320.5	314.6	308.9	302.8	296.7	289.5
25°	376.6	371.9	366.3	356.8	348.1	337.9	325.9	313.3	298.7	286.0	275.4
27.5°	409.0	398.8	384.2	371.2	355.1	339.7	322.5	307.2	288.5	273.1	261.6
30°	435.9	416.5	395.4	374.8	353.5	332.7	312.3	293.9	273.4	257.8	246.5
32.5°	456.7	429.8	400.6	373.5	347.4	322.0	298.5	278.0	257.3	241.1	229.1
35°	475.9	438.5	401.4	367.8	335.6	309.2	282.6	260.4	238.3	221.4	208.4
37.5°	490.2	442.6	396.7	357.3	320.2	290.8	263.6	240.8	218.3	199.9	185.1
40°	499.4	440.0	386.8	342.2	302.0	271.1	243.4	219.9	198.1	177.9	160.0
42.5°	506.8	436.7	376.8	328.4	287.7	254.0	225.5	200.2	178.1	156.2	136.5
45°	517.9	439.3	372.5	318.7	274.9	239.4	208.1	181.8	158.7	137.2	118.2
47.5°	528.6	440.6	366.0	306.7	258.8	224.3	192.5	166.9	143.3	123.6	106.2
50°	538.3	439.8	356.1	291.3	243.2	209.1	178.4	152.8	129.5	111.3	95.0
52.5°	542.9	435.4	343.8	276.5	230.6	195.8	164.6	139.7	116.7	99.5	84.5
55°	542.4	424.2	327.6	262.4	216.8	181.8	151.1	126.4	105.7	89.9	76.8
57.5°	534.7	406.8	310.5	246.8	198.6	164.4	135.2	111.3	94.0	80.7	69.6
60°	518.6	384.5	288.0	224.0	175.8	142.8	115.4	95.0	80.9	70.6	63.4
62.5°	488.4	352.5	259.8	192.3	145.1	115.0	91.2	77.9	67.3	61.2	57.9
63°	479.4	343.8	247.8	184.6	138.0	108.6	86.0	72.2	64.5	59.2	56.1
65°	434.9	301.0	207.4	149.0	107.3	83.7	69.1	58.6	54.0	51.7	51.4
67.5°	352.2	236.7	146.7	102.1	72.9	60.4	53.0	48.7	46.6	46.0	46.6
70°	247.3	149.5	93.2	67.8	54.0	48.7	45.3	43.5	42.2	42.5	43.0
72.5°	157.7	89.6	64.0	51.4	45.6	42.8	41.2	40.7	40.5	40.2	40.2
75°	89.9	59.6	49.1	44.6	41.5	39.2	37.9	37.4	37.7	37.9	37.4
77.5°	59.3	49.1	43.8	40.7	37.9	35.3	34.5	34.3	34.8	35.3	35.3
80°	46.9	43.8	40.7	37.7	33.0	31.3	31.7	32.0	31.7	32.0	31.3
82.5°	33.0	32.5	33.3	32.0	27.3	25.9	25.3	25.6	25.1	25.1	24.6
85°	15.3	15.3	16.1	16.1	15.6	15.9	17.1	18.7	19.4	18.7	17.7
87.5°	0.0	0.0	0.0	0.0	0.0	2.3	4.7	6.7	7.2	8.9	8.7
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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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	272.7	273.1	272.8	272.7	273.1	272.7	272.8	272.7	272.7	272.4	272.4
5°	281.3	282.0	280.6	280.3	279.8	278.5	278.5	278.0	278.0	276.9	276.2
7.5°	287.0	287.2	286.0	285.7	284.4	283.1	282.0	281.0	280.8	280.0	278.5
10°	292.3	291.8	290.8	289.5	288.2	286.4	285.1	283.9	283.6	282.3	280.6
12.5°	296.9	296.7	294.6	293.4	291.3	289.5	288.0	286.4	285.7	284.1	281.6
15°	300.0	298.5	295.9	293.6	291.3	289.2	287.4	285.7	284.9	283.1	280.6
17.5°	298.7	295.9	292.6	289.8	286.7	284.1	282.6	280.8	279.5	278.5	274.9
20°	294.1	290.0	284.9	281.6	277.5	274.1	273.1	271.4	270.3	266.5	261.9
22.5°	282.0	276.2	269.8	264.9	260.4	257.0	254.4	252.7	250.0	247.8	240.7
25°	267.0	260.4	253.7	247.8	241.7	236.6	231.9	227.5	226.3	221.4	214.5
27.5°	252.4	244.9	238.3	231.4	223.4	217.0	209.1	203.0	198.9	193.8	187.3
30°	236.7	229.4	220.4	211.2	202.0	195.1	186.1	178.7	173.6	168.2	162.3
32.5°	217.0	208.1	197.4	187.2	178.7	170.5	161.5	154.3	149.2	144.4	138.7
35°	194.5	182.8	171.3	160.0	151.1	144.1	136.2	130.8	127.3	122.9	117.0
37.5°	168.7	155.3	143.1	134.4	126.4	119.8	114.1	110.9	107.0	104.7	101.1
40°	142.6	129.5	117.5	109.6	102.9	99.1	96.0	95.3	92.7	89.6	87.3
42.5°	119.5	107.0	95.3	88.8	84.5	83.4	82.0	82.0	80.7	78.3	76.8
45°	103.9	90.9	80.7	76.0	73.8	73.5	72.7	72.7	72.5	71.4	69.6
47.5°	92.7	80.9	72.9	70.1	69.6	69.1	68.4	68.1	67.8	67.1	66.0
50°	82.4	72.5	67.3	66.0	66.3	65.5	64.7	64.0	63.7	63.0	62.0
52.5°	72.9	65.8	62.4	61.7	61.7	61.7	61.2	61.2	60.7	60.4	59.3
55°	67.5	62.2	60.4	60.2	59.9	59.6	59.2	59.2	58.6	58.3	57.1
57.5°	63.0	59.6	58.6	58.1	57.9	57.3	57.1	57.1	57.1	57.1	55.5
60°	59.3	57.9	57.6	57.1	56.8	55.8	55.3	55.1	55.3	55.5	54.0
62.5°	55.5	55.3	55.1	54.5	54.2	53.2	52.5	52.0	52.5	53.0	52.7
63°	54.5	54.2	54.2	54.0	53.8	52.5	51.7	51.2	51.7	52.2	52.2
65°	51.0	51.2	51.2	51.0	50.7	50.0	48.9	48.4	48.7	49.4	49.7
67.5°	47.1	47.3	47.1	47.3	47.1	46.6	45.9	45.3	45.0	45.3	45.6
70°	43.5	44.0	43.8	43.5	43.3	43.3	42.8	42.0	41.8	41.5	41.5
72.5°	40.5	40.5	39.9	39.9	39.7	39.7	39.2	38.4	38.1	38.1	37.7
75°	37.1	37.1	36.4	36.4	35.8	36.1	35.5	34.8	34.5	34.5	34.3
77.5°	35.1	34.3	33.0	32.7	32.5	32.5	32.3	31.4	31.3	31.3	31.0
80°	31.0	29.4	28.2	27.9	28.2	28.7	28.7	28.2	28.2	28.2	28.2
82.5°	24.1	23.5	22.8	22.2	22.2	23.1	24.1	24.6	25.1	25.6	25.6
85°	17.7	18.0	17.7	16.9	16.7	17.4	18.4	19.4	19.7	20.7	20.5
87.5°	9.5	9.8	8.9	8.7	9.5	10.0	11.0	11.3	11.8	12.0	12.3
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6
2.5°	272.1	271.8	272.1	271.6	271.6	271.1	270.6	270.3	269.8	269.6	269.0
5°	276.7	275.9	275.2	274.9	273.9	272.8	272.1	270.8	269.8	268.0	267.5
7.5°	279.8	278.0	276.9	276.7	275.2	274.4	272.7	271.1	269.6	267.3	266.5
10°	281.0	279.3	277.5	276.7	274.9	273.7	271.8	269.6	268.3	266.0	265.5
12.5°	282.6	279.3	276.5	274.4	271.8	269.0	267.3	266.0	264.2	262.9	262.4
15°	279.8	275.4	271.1	267.3	263.2	260.1	258.3	256.3	254.1	253.4	253.4
17.5°	272.1	266.5	259.1	254.1	249.9	246.5	244.2	242.1	241.9	240.8	241.4
20°	256.3	248.8	241.7	238.0	235.5	233.5	231.2	230.1	229.4	227.8	227.4
22.5°	234.2	228.1	223.0	220.4	218.3	215.8	213.8	210.7	209.9	208.4	207.6
25°	209.9	205.0	200.7	198.9	197.6	194.0	192.7	188.7	185.9	184.1	185.1
27.5°	185.6	182.0	177.9	175.6	174.8	171.5	170.2	165.6	163.3	163.3	160.7
30°	160.5	157.2	154.6	152.1	151.5	147.4	144.1	142.3	139.7	138.7	136.9
32.5°	136.9	133.6	131.5	130.3	128.3	124.9	121.6	118.5	114.4	112.9	112.1
35°	115.2	112.7	110.0	109.0	106.2	102.6	98.5	96.0	91.2	89.3	88.6
37.5°	98.5	95.4	93.7	90.9	88.1	84.2	81.1	78.9	77.0	76.3	76.3
40°	85.2	83.0	80.9	78.6	76.3	74.2	72.7	72.2	71.9	71.9	72.5
42.5°	75.3	73.2	72.2	70.9	70.1	70.1	69.9	70.1	70.4	70.6	71.4
45°	68.6	67.3	66.8	66.5	67.1	67.5	67.8	68.4	69.4	69.9	70.1
47.5°	65.0	64.0	63.7	64.0	64.7	65.8	66.8	67.5	68.4	68.6	68.8
50°	61.4	60.2	59.6	60.2	61.2	62.7	63.4	64.7	65.3	65.8	65.3
52.5°	58.3	57.3	57.1	57.1	58.1	59.2	60.2	61.2	61.4	61.4	61.2
55°	55.8	55.1	54.2	54.8	55.5	56.6	58.1	58.9	59.3	59.6	59.6
57.5°	53.8	53.0	52.2	52.7	53.5	54.5	56.1	56.8	57.3	58.1	58.3
60°	52.2	51.2	50.4	51.2	52.0	53.5	54.8	55.5	56.8	57.1	57.1
62.5°	50.7	49.7	48.4	49.1	49.1	50.0	51.2	52.2	53.5	54.0	54.0
63°	50.4	49.4	48.1	48.7	48.7	49.1	50.1	51.2	52.7	53.2	53.0
65°	48.4	48.1	46.9	46.9	46.3	46.9	47.6	48.7	49.4	50.1	50.1
67.5°	45.0	44.8	44.6	44.6	44.6	45.0	45.6	46.3	47.1	47.6	47.3
70°	41.2	41.2	41.2	41.5	41.5	42.0	42.2	42.0	42.8	43.3	43.0
72.5°	37.9	37.7	37.4	37.9	37.7	37.7	38.1	37.9	38.7	38.7	38.9
75°	34.3	34.0	34.0	34.3	33.8	33.3	33.5	33.5	33.8	33.8	34.3
77.5°	31.3	31.3	31.3	31.0	30.4	30.2	30.0	30.0	30.0	30.0	30.2
80°	28.4	28.4	28.4	28.2	27.6	27.2	26.6	26.3	26.1	24.8	24.8
82.5°	25.6	25.6	25.6	25.6	25.3	24.8	24.1	22.0	21.0	20.0	20.2
85°	20.2	20.7	21.2	22.0	21.8	21.8	20.2	17.7	16.1	15.1	15.3
87.5°	13.0	11.5	11.5	11.3	10.8	10.2	10.2	8.7	7.2	6.4	6.7
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°	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	268.6	0°
2.5°	269.0	268.6	268.0	268.0	267.3	267.3	266.7	267.7	266.7	266.0	266.0	2.5°
5°	267.0	266.5	264.9	264.7	263.6	263.6	263.6	263.2	263.2	262.6	262.4	5°
7.5°	265.7	264.5	263.2	262.4	262.4	261.9	262.9	262.4	262.6	262.6	262.9	7.5°
10°	264.7	263.6	263.2	262.9	262.9	263.6	264.5	264.7	264.5	264.7	264.7	10°
12.5°	262.1	262.6	262.9	263.9	265.2	266.7	268.6	268.7	269.3	269.3	269.8	12.5°
15°	254.0	255.2	256.7	259.4	262.6	266.0	269.3	272.1	274.7	275.9	276.9	15°
17.5°	242.4	243.7	246.5	249.3	253.7	258.5	264.2	269.0	274.4	279.3	284.1	17.5°
20°	226.8	228.8	229.6	234.7	239.8	246.5	253.1	260.8	270.0	279.3	288.7	20°
22.5°	206.6	208.8	212.5	216.6	222.0	230.1	238.0	250.0	262.4	275.4	290.2	22.5°
25°	184.1	186.6	189.7	194.0	199.4	208.1	219.6	232.5	247.5	264.7	283.1	25°
27.5°	160.7	163.3	165.9	168.9	175.1	184.3	197.9	211.2	227.8	246.5	268.0	27.5°
30°	137.5	137.7	139.3	143.1	149.5	161.5	171.5	188.2	205.6	225.3	250.0	30°
32.5°	111.9	111.6	113.4	116.7	122.9	134.4	146.7	162.8	179.9	204.7	230.4	32.5°
35°	89.1	89.1	92.4	95.7	102.6	110.9	121.6	135.9	156.2	179.2	204.7	35°
37.5°	77.0	78.9	80.9	84.2	89.6	96.0	105.5	118.0	133.9	155.9	179.4	37.5°
40°	73.2	74.2	76.0	79.1	83.7	89.6	96.5	106.0	118.2	135.9	157.4	40°
42.5°	71.6	71.9	72.9	75.3	79.3	85.2	92.4	100.8	110.0	122.6	141.3	42.5°
45°	70.1	69.9	70.4	72.2	75.5	82.1	90.3	99.5	108.7	119.3	134.6	45°
47.5°	68.8	68.8	68.8	69.6	72.7	79.3	88.8	99.5	110.6	122.3	137.5	47.5°
50°	65.3	65.0	65.0	65.5	67.8	75.0	86.2	99.3	113.7	129.0	146.1	50°
52.5°	61.2	61.2	61.4	61.7	63.7	70.9	83.4	99.3	117.2	137.7	159.3	52.5°
55°	59.9	60.2	60.4	60.2	61.7	67.8	80.4	97.8	118.8	144.7	173.3	55°
57.5°	58.9	59.3	59.3	59.2	60.2	65.3	77.3	94.7	117.5	147.2	183.3	57.5°
60°	57.3	57.3	57.3	56.6	57.1	61.7	72.7	89.9	113.4	144.8	184.8	60°
62.5°	54.0	54.0	53.5	53.2	53.0	56.6	66.5	82.7	106.0	138.7	180.9	62.5°
63°	53.2	53.0	53.0	52.2	52.2	55.5	65.3	81.7	103.9	137.2	179.4	63°
65°	50.4	50.4	50.4	50.0	49.7	52.2	60.2	74.5	96.0	130.0	171.7	65°
67.5°	47.3	47.6	47.1	46.9	46.6	48.1	54.2	65.5	83.7	115.0	157.4	67.5°
70°	43.0	43.3	43.3	43.0	42.8	43.8	47.6	56.3	69.4	95.7	134.1	70°
72.5°	39.2	39.7	39.7	40.2	40.2	40.9	42.5	46.9	55.5	74.8	105.5	72.5°
75°	35.1	35.3	35.8	36.4	35.8	35.5	35.8	39.2	43.5	55.3	75.3	75°
77.5°	31.4	32.3	32.3	32.0	31.3	30.7	30.7	32.3	35.8	42.0	53.8	77.5°
80°	26.1	27.3	27.6	26.9	26.1	26.1	26.6	27.6	30.0	34.5	40.7	80°
82.5°	21.0	22.2	22.5	22.8	22.5	23.3	23.3	23.5	24.8	28.4	33.3	82.5°
85°	16.1	17.1	18.0	18.1	18.4	18.7	18.4	17.1	18.0	20.2	22.5	85°
87.5°	7.2	7.4	6.9	7.2	6.9	7.2	7.4	6.1	5.9	7.9	8.2	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°
268.6	268.6	268.6	268.6	268.6	268.6	268.6
265.7	265.7	266.0	265.5	265.5	265.7	264.9
261.6	262.6	262.6	262.6	262.1	262.6	262.9
262.6	263.4	263.9	263.9	263.6	264.7	265.5
263.9	265.2	265.7	265.7	265.7	267.0	268.7
268.7	269.8	270.6	270.6	271.1	272.7	274.7
277.8	279.0	279.0	278.8	280.3	282.0	284.4
287.7	291.3	293.1	292.8	294.1	296.5	299.0
297.2	307.2	311.5	314.6	315.9	319.0	319.7
305.1	321.8	333.8	344.0	348.9	352.0	355.5
302.3	324.8	346.3	367.4	382.1	397.3	403.7
290.8	319.0	347.1	377.9	404.7	431.5	451.1
276.7	310.5	348.4	391.9	434.4	475.6	508.4
260.6	302.6	351.2	404.9	460.7	514.8	562.1
240.4	287.4	344.3	406.2	472.0	537.6	599.0
214.8	267.0	328.2	397.0	472.6	547.5	621.0
189.2	241.1	307.7	383.7	465.9	549.9	634.8
171.3	218.0	287.0	366.8	455.2	546.2	641.5
159.0	201.5	268.6	351.4	443.6	539.8	642.5
158.0	194.3	256.5	340.2	434.4	534.2	642.5
166.6	198.1	252.4	334.6	430.5	532.5	643.0
183.1	213.5	259.8	338.9	433.6	534.7	645.3
202.7	236.7	279.8	354.0	446.7	542.4	650.4
220.7	263.6	313.9	383.2	470.5	561.9	664.7
231.2	286.7	350.0	424.2	511.2	600.6	693.4
232.5	299.5	382.0	468.7	560.6	644.8	739.3
231.4	300.6	386.0	477.1	571.1	655.8	755.2
225.8	300.7	397.5	506.8	607.4	702.1	799.4
211.4	292.6	401.6	530.1	653.2	763.1	882.1
186.6	269.3	389.6	530.6	670.9	797.1	934.3
150.0	225.0	337.7	482.8	624.4	763.5	920.7
109.9	165.4	255.2	374.0	509.4	635.6	788.7
72.9	107.0	172.0	266.5	365.3	457.4	567.7
50.1	66.3	100.6	160.3	223.4	268.3	361.7
36.8	43.8	55.8	82.0	107.5	132.4	188.9
23.1	25.1	27.9	40.5	57.9	78.0	117.8
6.1	6.4	5.9	7.9	12.6	12.0	13.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)