

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: P181041

Luminaire Tested: **ICS-F03-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181041
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: ICS-F03-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) 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: 5234.6 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

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

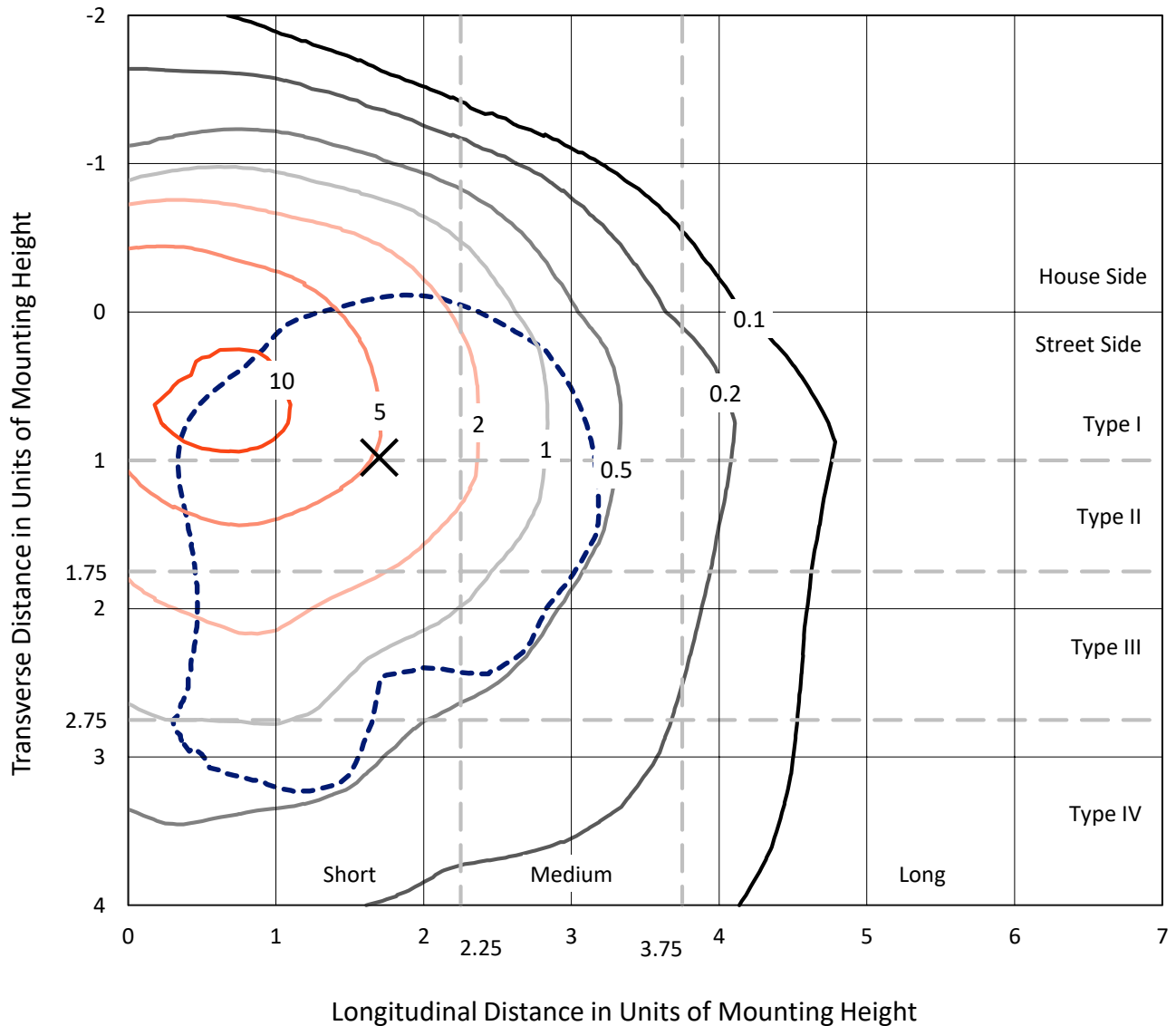


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

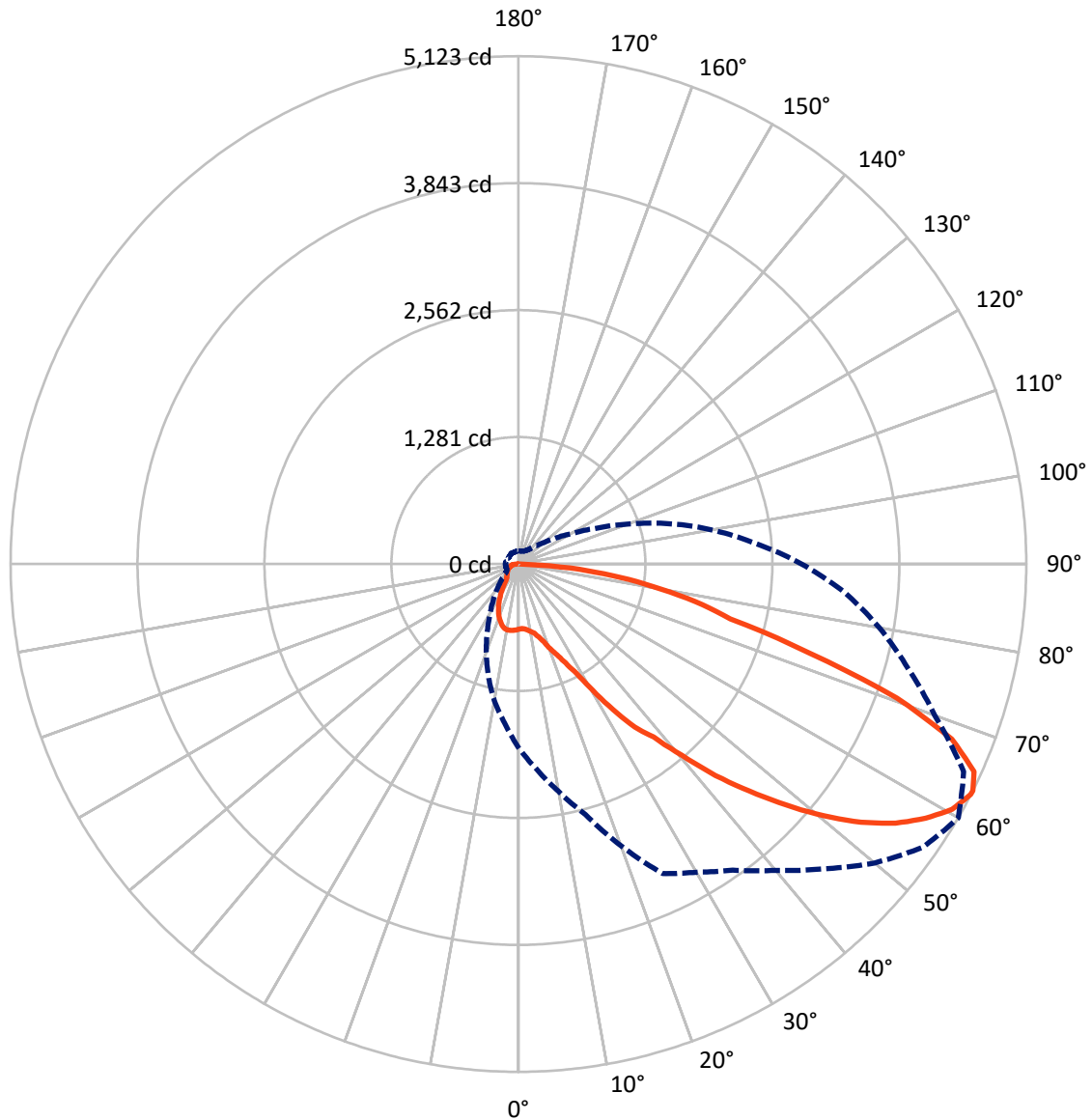


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type IV - Short - Non-Cutoff

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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	1135.1	0.0	1135.1
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4099.5	0.0	4099.5
	% Fixture	78.3	0.0	78.3
Total	Lumens	5234.6	0.0	5234.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	1.2
10°-20°	199.4	3.8
20°-30°	354.3	6.8
30°-40°	557.9	10.7
40°-50°	821.1	15.7
50°-60°	1090.7	20.8
60°-70°	1201.4	23.0
70°-80°	753.7	14.4
80°-90°	192.0	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°	5234.6	100.0
0°-180°	5234.6	100.0



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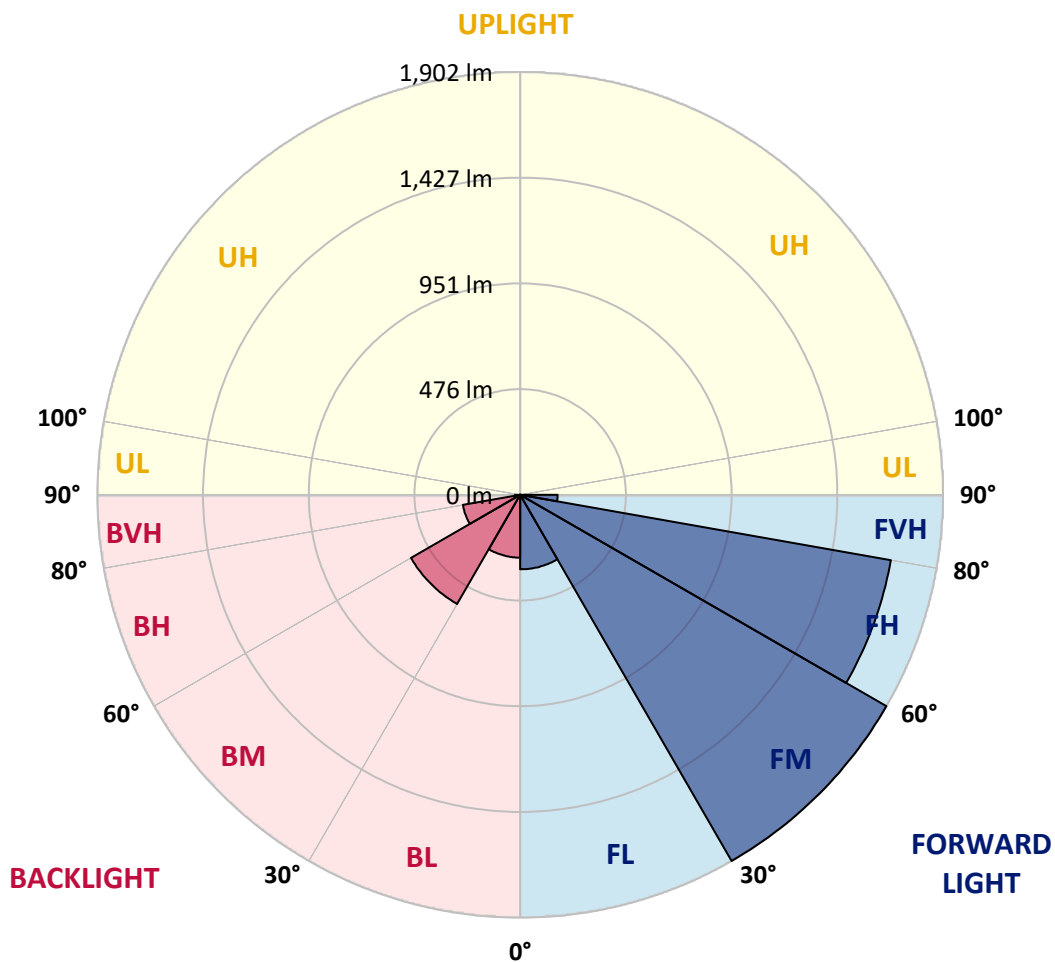
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.2	6.4			
FM (30°-60°)	1902.4	36.3			
FH (60°-80°)	1693.5	32.4			G1/1800
FVH (80°-90°)	168.5	3.2			G2/225
BL (0°-30°)	282.6	5.4	B1/500		
BM (30°-60°)	567.3	10.8	B1/1000		
BH (60°-80°)	261.6	5.0	B1/500		G1/500
BVH (80°-90°)	23.5	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°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	649.0	650.3	650.3	649.7	649.7	650.9	650.3	649.7	647.8	650.3	650.3
5°	644.0	645.3	645.3	646.5	647.8	649.0	649.0	650.3	649.7	652.2	654.1
7.5°	650.3	651.6	654.1	657.2	659.1	663.5	663.5	666.6	667.9	669.7	669.1
10°	658.5	661.6	667.2	672.2	676.0	681.0	684.8	689.2	689.2	691.1	692.3
12.5°	672.9	676.0	682.3	688.6	694.2	700.5	706.1	710.5	714.9	716.1	718.7
15°	696.7	700.5	709.9	718.7	725.6	733.7	741.2	750.0	758.2	760.0	761.3
17.5°	732.4	740.0	746.9	762.5	772.6	783.2	795.2	807.7	810.2	823.4	826.5
20°	783.2	792.6	798.9	818.4	835.3	849.1	866.6	881.1	886.7	899.3	911.8
22.5°	871.0	869.2	878.6	898.0	910.5	938.1	953.2	968.2	975.8	994.6	1004.6
25°	988.9	999.0	1019.7	1021.5	1033.5	1065.4	1084.9	1099.9	1100.6	1106.2	1116.9
27.5°	1104.9	1146.3	1178.9	1196.5	1228.5	1258.0	1256.7	1278.0	1244.8	1251.7	1261.7
30°	1245.4	1314.4	1375.8	1417.2	1449.8	1484.3	1501.3	1513.2	1498.8	1492.5	1480.6
32.5°	1377.1	1473.7	1568.4	1641.7	1702.6	1759.6	1797.3	1814.2	1834.3	1885.1	1903.2
35°	1467.4	1604.1	1722.0	1828.0	1929.6	2020.5	2086.3	2124.0	2109.6	2102.7	2098.9
37.5°	1521.3	1688.1	1835.5	1985.4	2102.0	2238.1	2340.3	2439.4	2462.0	2422.5	2403.0
40°	1555.2	1752.7	1942.1	2119.0	2270.1	2445.7	2572.3	2721.0	2833.8	2848.9	2802.5
42.5°	1571.5	1796.0	2016.7	2216.8	2421.2	2636.3	2796.8	2976.8	3145.5	3261.5	3232.7
45°	1574.0	1824.2	2071.3	2305.2	2548.5	2803.7	3010.7	3210.1	3435.9	3634.6	3640.3
47.5°	1574.0	1845.5	2108.9	2369.2	2662.7	2949.2	3175.0	3410.8	3687.3	3922.5	3994.6
50°	1575.3	1860.0	2144.0	2419.3	2749.8	3072.1	3327.4	3605.8	3896.8	4152.6	4291.8
52.5°	1580.9	1870.6	2171.6	2455.1	2806.3	3158.7	3445.9	3767.0	4056.7	4319.4	4499.4
55°	1593.5	1885.7	2191.7	2477.0	2843.9	3215.1	3531.8	3877.3	4160.2	4426.7	4678.1
57.5°	1628.6	1912.0	2216.2	2496.5	2864.6	3252.1	3592.0	3925.0	4199.7	4477.5	4772.8
60°	1698.8	1967.8	2258.2	2535.3	2899.1	3320.5	3620.9	3893.0	4170.8	4462.4	4794.1
62.5°	1811.1	2055.0	2316.5	2601.2	2997.5	3426.5	3598.9	3797.7	4057.3	4375.2	4718.3
63°	1849.9	2073.8	2329.7	2615.6	3024.5	3445.9	3589.5	3769.5	4034.1	4347.7	4691.3
65°	1958.4	2157.2	2392.4	2688.4	3135.5	3465.3	3516.1	3622.7	3873.6	4190.3	4532.0
67.5°	2161.0	2359.8	2527.2	2811.3	3228.9	3388.8	3288.5	3301.7	3563.8	3891.8	4199.0
70°	2288.9	2525.9	2613.1	2826.9	3212.0	3275.3	2993.8	2819.4	3029.5	3403.3	3672.3
72.5°	2255.7	2527.8	2518.4	2618.1	2873.4	2932.3	2640.7	2366.0	2490.8	2769.9	2944.2
75°	1932.1	2257.5	2188.6	2168.5	2258.2	2297.1	2078.2	2036.2	2193.6	2348.5	2351.0
77.5°	1390.9	1749.0	1668.1	1552.1	1545.8	1635.5	1664.9	1940.2	2172.9	2295.2	2241.2
80°	886.1	1274.3	1190.2	987.7	984.5	1101.2	1360.2	1734.5	1981.0	2049.4	1908.9
82.5°	462.8	834.0	866.0	741.2	848.5	1041.6	1294.3	1397.8	1491.2	1500.6	1335.1
85°	288.5	513.0	603.3	622.7	766.3	923.7	921.8	885.5	844.1	722.4	653.4
87.5°	32.6	64.6	97.8	92.8	124.8	175.0	218.2	127.9	89.7	32.6	45.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	651.6	652.2	652.8	652.8	655.9	655.3	655.9	657.2	659.1	660.3	661.6
5°	656.6	656.6	659.1	661.0	664.7	667.2	668.5	672.2	676.6	675.4	679.1
7.5°	672.9	672.2	674.8	676.0	679.1	683.5	682.9	686.0	689.8	691.1	694.2
10°	694.8	692.9	692.9	691.7	692.3	691.1	691.1	691.1	693.6	692.9	695.4
12.5°	717.4	716.8	715.5	711.8	711.8	706.7	704.2	701.1	700.5	696.1	696.7
15°	763.8	763.8	761.3	753.8	747.5	743.1	736.8	732.4	726.2	718.0	713.6
17.5°	831.5	822.8	819.6	818.4	808.3	804.6	790.8	776.3	769.4	758.2	751.9
20°	914.3	912.4	899.9	893.6	881.1	863.5	846.0	827.1	815.9	802.1	794.5
22.5°	1007.7	993.9	987.7	978.3	958.8	938.8	912.4	887.3	869.8	860.4	854.7
25°	1116.9	1103.1	1096.8	1084.2	1060.4	1039.1	1006.5	977.0	961.3	945.7	936.9
27.5°	1261.7	1248.5	1241.0	1208.4	1200.3	1165.1	1125.0	1084.9	1064.2	1041.0	1025.9
30°	1478.1	1478.7	1439.8	1400.3	1359.5	1298.7	1256.7	1211.5	1177.7	1144.5	1111.2
32.5°	1843.7	1750.2	1678.1	1593.5	1505.0	1440.4	1388.4	1334.5	1287.4	1239.1	1184.0
35°	2066.9	2021.8	1928.3	1773.4	1684.4	1606.0	1548.3	1483.1	1425.4	1340.1	1256.1
37.5°	2319.0	2214.3	2100.8	2014.9	1913.9	1823.0	1726.4	1652.4	1552.7	1437.9	1318.8
40°	2687.1	2537.2	2400.5	2285.1	2154.7	2059.4	1951.5	1844.3	1712.0	1545.8	1382.1
42.5°	3071.5	2916.6	2736.0	2586.1	2432.5	2320.9	2187.3	2036.8	1842.4	1636.7	1436.7
45°	3474.7	3267.8	3051.4	2868.3	2708.4	2569.8	2404.3	2204.9	1967.8	1718.2	1487.5
47.5°	3872.3	3634.6	3376.9	3180.0	2971.8	2802.5	2599.3	2347.2	2065.7	1795.4	1538.3
50°	4222.9	3994.0	3683.6	3433.4	3222.6	3013.8	2760.5	2457.0	2142.8	1861.8	1584.0
52.5°	4525.1	4328.2	4001.5	3685.4	3442.8	3208.2	2890.3	2545.4	2220.5	1923.3	1621.7
55°	4747.1	4616.1	4315.0	3923.1	3636.5	3356.8	3000.0	2630.7	2293.9	1972.2	1646.1
57.5°	4914.6	4841.8	4583.4	4147.0	3814.6	3501.1	3113.5	2732.9	2366.7	2014.2	1657.4
60°	5006.1	5026.2	4786.6	4342.6	3972.0	3621.5	3227.0	2820.1	2420.6	2038.7	1651.1
62.5°	4997.3	5120.2	4939.0	4463.0	4063.6	3693.0	3303.5	2860.8	2413.1	1999.8	1594.1
63°	4980.4	5123.4	4955.9	4471.2	4069.2	3695.5	3305.4	2855.2	2397.4	1981.0	1571.5
65°	4834.3	5051.3	4941.5	4434.2	4019.1	3648.4	3265.9	2773.6	2287.0	1880.0	1455.5
67.5°	4443.0	4714.5	4683.2	4172.7	3781.4	3454.0	3064.0	2510.9	2014.2	1631.7	1233.5
70°	3796.4	4051.7	4057.3	3629.0	3302.3	2981.2	2657.0	2043.1	1596.6	1264.9	919.9
72.5°	2909.7	3074.0	3131.1	2848.9	2630.0	2404.3	2113.3	1483.1	1138.2	860.4	598.9
75°	2253.2	2208.0	2207.4	2088.2	1999.2	1888.8	1569.0	1000.8	747.5	559.4	366.2
77.5°	2025.5	1824.8	1630.4	1487.5	1416.0	1379.0	1029.1	603.3	440.8	321.7	210.7
80°	1670.6	1374.6	1110.6	956.3	894.9	937.5	573.8	326.1	241.4	183.1	136.7
82.5°	1152.0	956.3	726.8	602.0	516.7	540.6	293.5	166.8	111.6	102.2	84.7
85°	600.1	526.1	444.0	381.3	336.8	296.0	152.4	79.6	46.4	40.8	37.0
87.5°	0.0	0.6	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°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	663.5	662.8	664.1	664.7	666.6	667.9	668.5	667.2	669.1	671.0	669.7
5°	681.0	685.4	686.0	687.9	687.9	691.7	691.7	691.7	691.1	691.7	690.4
7.5°	696.1	701.7	702.3	704.9	705.5	709.9	708.0	709.2	709.2	706.1	704.9
10°	698.0	703.6	706.7	709.9	714.3	719.9	719.9	723.0	723.0	720.5	719.9
12.5°	698.6	703.0	706.1	710.5	716.8	724.9	729.3	733.7	735.6	735.0	733.1
15°	711.8	711.8	712.4	716.1	720.5	730.6	736.8	741.9	745.0	743.7	740.6
17.5°	746.2	741.2	737.5	731.2	732.4	737.5	741.2	745.6	746.2	745.0	740.0
20°	786.4	780.1	770.7	760.7	755.7	751.9	749.4	749.4	747.5	741.2	733.1
22.5°	843.4	835.3	822.1	807.1	797.0	785.1	770.7	756.9	741.9	726.8	709.2
25°	922.5	911.2	897.4	874.2	852.9	827.8	798.3	767.6	731.8	700.5	674.8
27.5°	1002.1	977.0	941.3	909.3	869.8	832.2	790.1	752.5	706.7	669.1	640.9
30°	1067.9	1020.3	968.9	918.1	866.0	815.2	765.1	719.9	669.7	631.5	603.9
32.5°	1118.7	1052.9	981.4	914.9	851.0	788.9	731.2	681.0	630.2	590.7	561.3
35°	1165.8	1074.2	983.3	901.1	822.1	757.5	692.3	637.8	583.8	542.4	510.5
37.5°	1200.9	1084.2	972.0	875.4	784.5	712.4	645.9	590.1	534.9	489.8	453.4
40°	1223.5	1078.0	947.5	838.4	740.0	664.1	596.4	538.7	485.4	435.8	391.9
42.5°	1241.7	1069.8	923.1	804.6	704.9	622.1	552.5	490.4	436.5	382.5	334.2
45°	1268.6	1076.1	912.4	780.7	673.5	586.3	509.8	445.2	388.8	336.1	289.7
47.5°	1295.0	1079.2	896.7	751.3	634.0	549.3	471.6	408.9	351.2	302.9	260.2
50°	1318.8	1077.4	872.3	713.6	595.7	512.3	437.1	374.4	317.3	272.8	232.7
52.5°	1330.1	1066.7	842.2	677.3	565.0	479.7	403.2	342.4	286.0	243.9	206.9
55°	1328.8	1039.1	802.7	642.8	531.2	445.2	370.0	309.8	259.0	220.1	188.1
57.5°	1310.0	996.5	760.7	604.5	486.6	402.6	331.1	272.8	230.1	197.5	170.6
60°	1270.5	941.9	705.5	548.7	430.8	349.9	282.8	232.7	198.2	173.1	155.5
62.5°	1196.5	863.5	636.5	470.9	355.6	281.6	223.2	190.6	164.9	149.9	141.7
63°	1174.6	842.2	607.0	452.1	338.0	265.9	210.7	176.8	158.0	144.9	137.3
65°	1065.4	737.5	507.9	365.0	262.8	205.1	169.3	143.6	132.3	126.7	126.0
67.5°	862.9	580.1	359.3	250.2	178.7	148.0	129.8	119.1	114.1	112.9	114.1
70°	605.8	366.2	228.3	166.2	132.3	119.1	111.0	106.6	103.5	104.1	105.4
72.5°	386.3	219.5	156.8	126.0	111.6	104.7	101.0	99.7	99.1	98.5	98.5
75°	220.1	146.1	120.4	109.1	101.6	95.9	92.8	91.6	92.2	92.8	91.6
77.5°	145.5	120.4	107.2	99.7	92.8	86.5	84.7	84.0	85.3	86.5	86.5
80°	114.8	107.2	99.7	92.2	80.9	76.5	77.8	78.4	77.8	78.4	76.5
82.5°	80.9	79.6	81.5	78.4	67.1	63.3	62.1	62.7	61.5	61.5	60.2
85°	37.6	37.6	39.5	39.5	38.3	38.9	42.0	45.8	47.7	45.8	43.3
87.5°	0.0	0.0	0.0	0.0	0.0	5.6	11.3	16.3	17.6	21.9	21.3
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	667.9	669.1	668.5	667.9	669.1	667.9	668.5	667.9	667.9	667.2	667.2
5°	689.2	691.1	687.3	686.7	685.4	682.3	682.3	681.0	681.0	678.5	676.6
7.5°	703.0	703.6	700.5	699.8	696.7	693.6	691.1	688.6	687.9	686.0	682.3
10°	716.1	714.9	712.4	709.2	706.1	701.7	698.6	695.4	694.8	691.7	687.3
12.5°	727.4	726.8	721.8	718.7	713.6	709.2	705.5	701.7	699.8	696.1	689.8
15°	735.0	731.2	724.9	719.3	713.6	708.6	704.2	699.8	698.0	693.6	687.3
17.5°	731.8	724.9	716.8	709.9	702.3	696.1	692.3	687.9	684.8	682.3	673.5
20°	720.5	710.5	698.0	689.8	679.8	671.6	669.1	664.7	662.2	652.8	641.5
22.5°	691.1	676.6	661.0	649.0	637.8	629.6	623.3	618.9	612.7	607.0	589.5
25°	654.1	637.8	621.5	607.0	592.0	579.4	568.1	557.5	554.4	542.4	525.5
27.5°	618.3	600.1	583.8	566.9	547.5	531.8	512.3	497.3	487.3	474.7	459.0
30°	580.1	561.9	539.9	517.4	494.8	477.8	455.9	437.7	425.2	412.0	397.6
32.5°	531.8	509.8	483.5	458.4	437.7	417.6	395.7	378.1	365.6	353.7	339.9
35°	476.6	447.7	419.5	391.9	370.0	353.1	333.6	320.4	311.7	301.0	286.6
37.5°	413.3	380.6	350.5	329.2	309.8	293.5	279.7	271.5	262.1	256.5	247.7
40°	349.3	317.3	287.8	268.4	252.1	242.7	235.2	233.3	227.0	219.5	213.8
42.5°	292.9	262.1	233.3	217.6	206.9	204.4	200.7	200.7	197.5	191.9	188.1
45°	254.6	222.6	197.5	186.2	180.6	180.0	178.1	178.1	177.5	175.0	170.6
47.5°	227.0	198.2	178.7	171.8	170.6	169.3	167.4	166.8	166.2	164.3	161.8
50°	201.9	177.5	164.9	161.8	162.4	160.5	158.7	156.8	156.1	154.3	151.8
52.5°	178.7	161.2	153.0	151.1	151.1	151.1	149.9	149.9	148.6	148.0	145.5
55°	165.6	152.4	148.0	147.4	146.7	146.1	144.9	144.9	143.6	143.0	139.8
57.5°	154.3	146.1	143.6	142.4	141.7	140.5	139.8	139.8	139.8	139.8	136.1
60°	145.5	141.7	141.1	139.8	139.2	136.7	135.5	134.8	135.5	136.1	132.3
62.5°	136.1	135.5	134.8	133.6	132.9	130.4	128.6	127.3	128.6	129.8	129.2
63°	133.6	132.9	132.9	132.3	131.7	128.6	126.7	125.4	126.7	127.9	127.9
65°	124.8	125.4	125.4	124.8	124.2	122.3	119.8	118.5	119.1	121.0	121.7
67.5°	115.4	116.0	115.4	116.0	115.4	114.1	112.3	111.0	110.4	111.0	111.6
70°	106.6	107.9	107.2	106.6	106.0	106.0	104.7	102.8	102.2	101.6	101.6
72.5°	99.1	99.1	97.8	97.8	97.2	97.2	95.9	94.1	93.4	93.4	92.2
75°	90.9	90.9	89.0	89.0	87.8	88.4	87.2	85.3	84.7	84.7	84.0
77.5°	85.9	84.0	80.9	80.3	79.6	79.6	79.0	77.1	76.5	76.5	75.9
80°	75.9	72.1	69.0	68.4	69.0	70.2	70.2	69.0	69.0	69.0	69.0
82.5°	58.9	57.7	55.8	54.6	54.6	56.4	58.9	60.2	61.5	62.7	62.7
85°	43.3	43.9	43.3	41.4	40.8	42.6	45.2	47.7	48.3	50.8	50.2
87.5°	23.2	23.8	21.9	21.3	23.2	24.5	27.0	27.6	28.8	29.5	30.1
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°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8
2.5°	666.6	666.0	666.6	665.3	665.3	664.1	662.8	662.2	661.0	660.3	659.1
5°	677.9	676.0	674.1	673.5	671.0	668.5	666.6	663.5	661.0	656.6	655.3
7.5°	685.4	681.0	678.5	677.9	674.1	672.2	667.9	664.1	660.3	654.7	652.8
10°	688.6	684.2	679.8	677.9	673.5	670.4	666.0	660.3	657.2	651.6	650.3
12.5°	692.3	684.2	677.3	672.2	666.0	659.1	654.7	651.6	647.2	644.0	642.8
15°	685.4	674.8	664.1	654.7	644.7	637.1	632.7	627.7	622.7	620.8	620.8
17.5°	666.6	652.8	634.6	622.7	612.0	603.9	598.2	593.2	592.6	590.1	591.4
20°	627.7	609.5	592.0	583.2	576.9	571.9	566.3	563.8	561.9	558.1	556.9
22.5°	573.8	558.7	546.2	539.9	534.9	528.6	523.6	516.1	514.2	510.5	508.6
25°	514.2	502.3	491.6	487.3	484.1	475.3	472.2	462.2	455.3	450.9	453.4
27.5°	454.6	445.9	435.8	430.2	428.3	420.2	417.0	405.7	400.1	400.1	393.8
30°	393.2	385.0	378.8	372.5	371.2	361.2	353.1	348.7	342.4	339.9	335.5
32.5°	335.5	327.3	322.3	319.2	314.2	306.0	297.9	290.3	280.3	276.5	274.7
35°	282.2	275.9	269.7	267.1	260.2	251.5	241.4	235.2	223.2	218.9	217.0
37.5°	241.4	233.9	229.5	222.6	215.7	206.3	198.8	193.1	188.8	186.9	186.9
40°	208.8	203.2	198.2	192.5	186.9	181.9	178.1	176.8	176.2	176.2	177.5
42.5°	184.4	179.3	176.8	173.7	171.8	171.8	171.2	171.8	172.5	173.1	175.0
45°	168.1	164.9	163.7	163.0	164.3	165.6	166.2	167.4	169.9	171.2	171.8
47.5°	159.3	156.8	156.1	156.8	158.7	161.2	163.7	165.6	167.4	168.1	168.7
50°	150.5	147.4	146.1	147.4	149.9	153.6	155.5	158.7	159.9	161.2	159.9
52.5°	143.0	140.5	139.8	139.8	142.4	144.9	147.4	149.9	150.5	150.5	149.9
55°	136.7	134.8	132.9	134.2	136.1	138.6	142.4	144.2	145.5	146.1	146.1
57.5°	131.7	129.8	127.9	129.2	131.1	133.6	137.3	139.2	140.5	142.4	143.0
60°	127.9	125.4	123.5	125.4	127.3	131.1	134.2	136.1	139.2	139.8	139.8
62.5°	124.2	121.7	118.5	120.4	120.4	122.3	125.4	127.9	131.1	132.3	132.3
63°	123.5	121.0	117.9	119.1	119.1	120.4	122.9	125.4	129.2	130.4	129.8
65°	118.5	117.9	114.8	114.8	113.5	114.8	116.6	119.1	121.0	122.9	122.9
67.5°	110.4	109.7	109.1	109.1	109.1	110.4	111.6	113.5	115.4	116.6	116.0
70°	101.0	101.0	101.0	101.6	101.6	102.8	103.5	102.8	104.7	106.0	105.4
72.5°	92.8	92.2	91.6	92.8	92.2	92.2	93.4	92.8	94.7	94.7	95.3
75°	84.0	83.4	83.4	84.0	82.8	81.5	82.1	82.1	82.8	82.8	84.0
77.5°	76.5	76.5	76.5	75.9	74.6	74.0	73.4	73.4	73.4	73.4	74.0
80°	69.6	69.6	69.6	69.0	67.7	66.5	65.2	64.6	64.0	60.8	60.8
82.5°	62.7	62.7	62.7	62.7	62.1	60.8	58.9	53.9	51.4	48.9	49.5
85°	49.5	50.8	52.0	53.9	53.3	53.3	49.5	43.3	39.5	37.0	37.6
87.5°	32.0	28.2	28.2	27.6	26.3	25.1	25.1	21.3	17.6	15.7	16.3
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	657.8	0°
2.5°	659.1	657.8	656.6	656.6	654.7	654.7	653.4	655.9	653.4	651.6	651.6	2.5°
5°	654.1	652.8	649.0	648.4	645.9	645.9	645.9	644.7	644.7	643.4	642.8	5°
7.5°	650.9	647.8	644.7	642.8	642.8	641.5	644.0	642.8	643.4	643.4	644.0	7.5°
10°	648.4	645.9	644.7	644.0	644.0	645.9	647.8	648.4	647.8	648.4	648.4	10°
12.5°	642.1	643.4	644.0	646.5	649.7	653.4	657.8	658.5	659.7	659.7	661.0	12.5°
15°	622.1	625.2	629.0	635.2	643.4	651.6	659.7	666.6	672.9	676.0	678.5	15°
17.5°	593.9	597.0	603.9	610.8	621.5	633.4	647.2	659.1	672.2	684.2	696.1	17.5°
20°	555.6	560.6	562.5	575.0	587.6	603.9	620.2	639.0	661.6	684.2	707.4	20°
22.5°	506.1	511.7	520.5	530.5	543.7	563.8	583.2	612.7	642.8	674.8	711.1	22.5°
25°	450.9	457.2	464.7	475.3	488.5	509.8	538.0	569.4	606.4	648.4	693.6	25°
27.5°	393.8	400.1	406.4	413.9	428.9	451.5	484.7	517.4	558.1	603.9	656.6	27.5°
30°	336.8	337.4	341.1	350.5	366.2	395.7	420.2	460.9	503.6	551.8	612.7	30°
32.5°	274.0	273.4	277.8	286.0	301.0	329.2	359.3	398.8	440.8	501.7	564.4	32.5°
35°	218.2	218.2	226.4	234.5	251.5	271.5	297.9	333.0	382.5	439.0	501.7	35°
37.5°	188.8	193.1	198.2	206.3	219.5	235.2	258.4	289.1	328.0	381.9	439.6	37.5°
40°	179.3	181.9	186.2	193.8	205.1	219.5	236.4	259.6	289.7	333.0	385.7	40°
42.5°	175.6	176.2	178.7	184.4	194.4	208.8	226.4	247.1	269.7	300.4	346.2	42.5°
45°	171.8	171.2	172.5	176.8	185.0	201.3	221.4	243.9	266.5	292.2	329.9	45°
47.5°	168.7	168.7	168.7	170.6	178.1	194.4	217.6	243.9	270.9	299.8	336.8	47.5°
50°	159.9	159.3	159.3	160.5	166.2	183.7	211.3	243.3	278.4	316.1	358.1	50°
52.5°	149.9	149.9	150.5	151.1	156.1	173.7	204.4	243.3	287.2	337.4	390.1	52.5°
55°	146.7	147.4	148.0	147.4	151.1	166.2	196.9	239.6	291.0	354.3	424.5	55°
57.5°	144.2	145.5	145.5	144.9	147.4	159.9	189.4	232.0	287.8	360.6	449.0	57.5°
60°	140.5	140.5	140.5	138.6	139.8	151.1	178.1	220.1	277.8	354.9	452.8	60°
62.5°	132.3	132.3	131.1	130.4	129.8	138.6	163.0	202.6	259.6	339.9	443.4	62.5°
63°	130.4	129.8	129.8	127.9	127.9	136.1	159.9	200.0	254.6	336.1	439.6	63°
65°	123.5	123.5	123.5	122.3	121.7	127.9	147.4	182.5	235.2	318.6	420.8	65°
67.5°	116.0	116.6	115.4	114.8	114.1	117.9	132.9	160.5	205.1	281.6	385.7	67.5°
70°	105.4	106.0	106.0	105.4	104.7	107.2	116.6	138.0	169.9	234.5	328.6	70°
72.5°	95.9	97.2	97.2	98.5	98.5	100.3	104.1	114.8	136.1	183.1	258.4	72.5°
75°	85.9	86.5	87.8	89.0	87.8	87.2	87.8	95.9	106.6	135.5	184.4	75°
77.5°	77.1	79.0	79.0	78.4	76.5	75.3	75.3	79.0	87.8	102.8	131.7	77.5°
80°	64.0	67.1	67.7	65.8	64.0	64.0	65.2	67.7	73.4	84.7	99.7	80°
82.5°	51.4	54.6	55.2	55.8	55.2	57.1	57.1	57.7	60.8	69.6	81.5	82.5°
85°	39.5	42.0	43.9	44.5	45.2	45.8	45.2	42.0	43.9	49.5	55.2	85°
87.5°	17.6	18.2	16.9	17.6	16.9	17.6	18.2	15.1	14.4	19.4	20.1	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°
657.8	657.8	657.8	657.8	657.8	657.8	657.8
650.9	650.9	651.6	650.3	650.3	650.9	649.0
640.9	643.4	643.4	643.4	642.1	643.4	644.0
643.4	645.3	646.5	646.5	645.9	648.4	650.3
646.5	649.7	650.9	650.9	650.9	654.1	658.5
658.5	661.0	662.8	662.8	664.1	667.9	672.9
680.4	683.5	683.5	682.9	686.7	691.1	696.7
704.9	713.6	718.0	717.4	720.5	726.2	732.4
728.1	752.5	763.2	770.7	773.8	781.4	783.2
747.5	788.3	817.7	842.8	854.7	862.3	871.0
740.6	795.8	848.5	899.9	936.3	973.3	988.9
712.4	781.4	850.3	925.6	991.4	1057.3	1104.9
677.9	760.7	853.5	960.1	1064.2	1165.1	1245.4
638.4	741.2	860.4	992.1	1128.8	1261.1	1377.1
588.8	704.2	843.4	995.2	1156.4	1316.9	1467.4
526.1	654.1	803.9	972.6	1157.6	1341.4	1521.3
463.4	590.7	753.8	940.0	1141.3	1347.0	1555.2
419.5	534.3	703.0	898.6	1115.0	1338.2	1571.5
389.4	493.5	657.8	861.0	1086.8	1322.5	1574.0
386.9	476.0	628.4	833.4	1064.2	1308.7	1574.0
408.2	485.4	618.3	819.6	1054.8	1304.4	1575.3
448.4	523.0	636.5	830.3	1062.3	1310.0	1580.9
496.7	580.1	685.4	867.3	1094.3	1328.8	1593.5
540.6	645.9	768.8	938.8	1152.6	1376.5	1628.6
566.3	702.3	857.2	1039.1	1252.3	1471.2	1698.8
569.4	733.7	935.6	1148.2	1373.3	1579.7	1811.1
566.9	736.2	945.7	1168.9	1399.1	1606.6	1849.9
553.1	736.8	973.9	1241.7	1488.1	1720.1	1958.4
518.0	716.8	983.9	1298.7	1600.3	1869.4	2161.0
457.2	659.7	954.4	1300.0	1643.6	1952.8	2288.9
367.5	551.2	827.1	1182.7	1529.5	1870.6	2255.7
269.0	405.1	625.2	916.2	1247.9	1557.1	1932.1
178.7	262.1	421.4	652.8	894.9	1120.6	1390.9
122.9	162.4	246.4	392.6	547.5	657.2	886.1
90.3	107.2	136.7	200.7	263.4	324.2	462.8
56.4	61.5	68.4	99.1	141.7	191.3	288.5
15.1	15.7	14.4	19.4	30.7	29.5	32.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)