

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: P181031

Luminaire Tested: **ICS-F02-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181031
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-F02-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3489.7 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

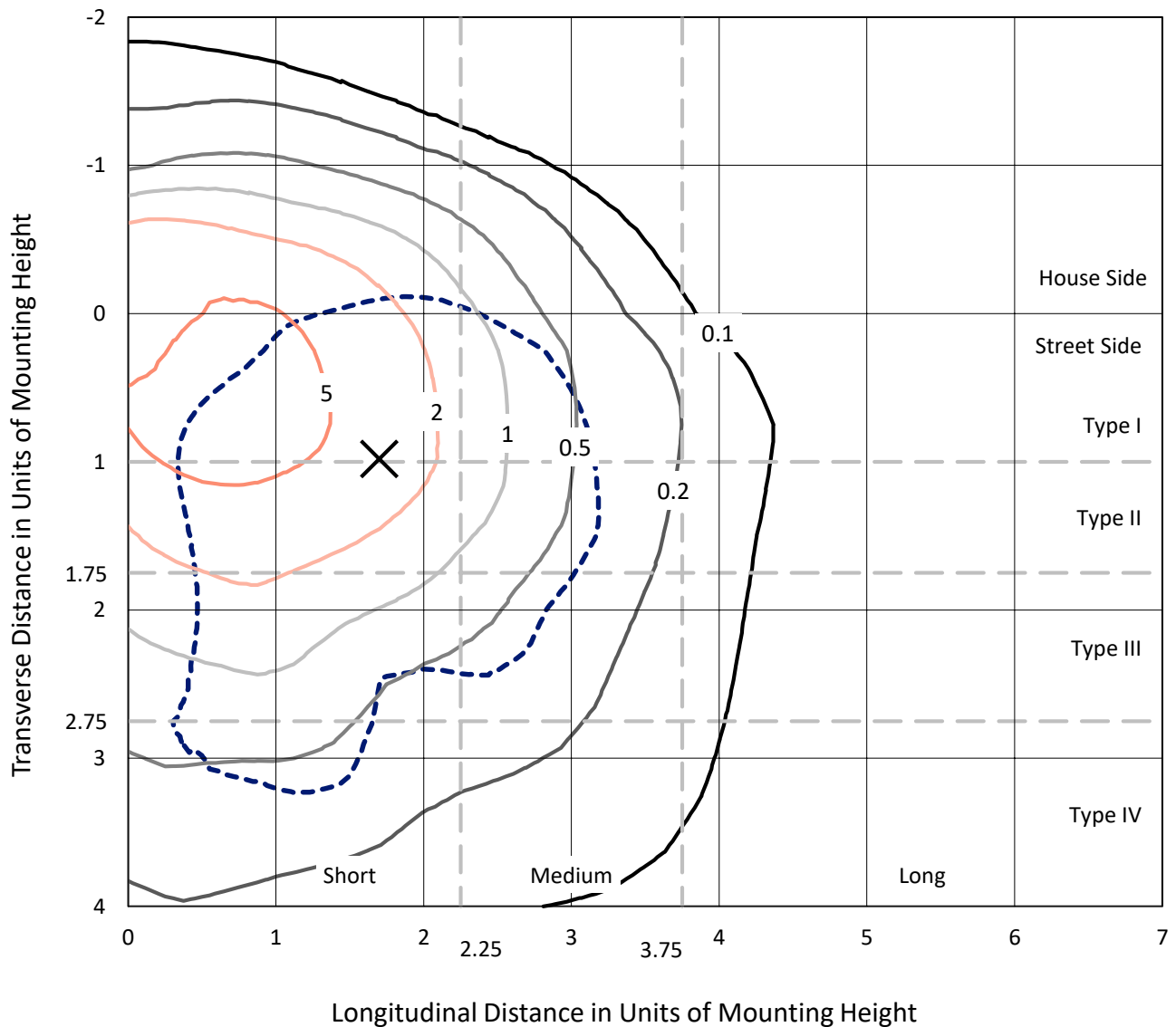
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

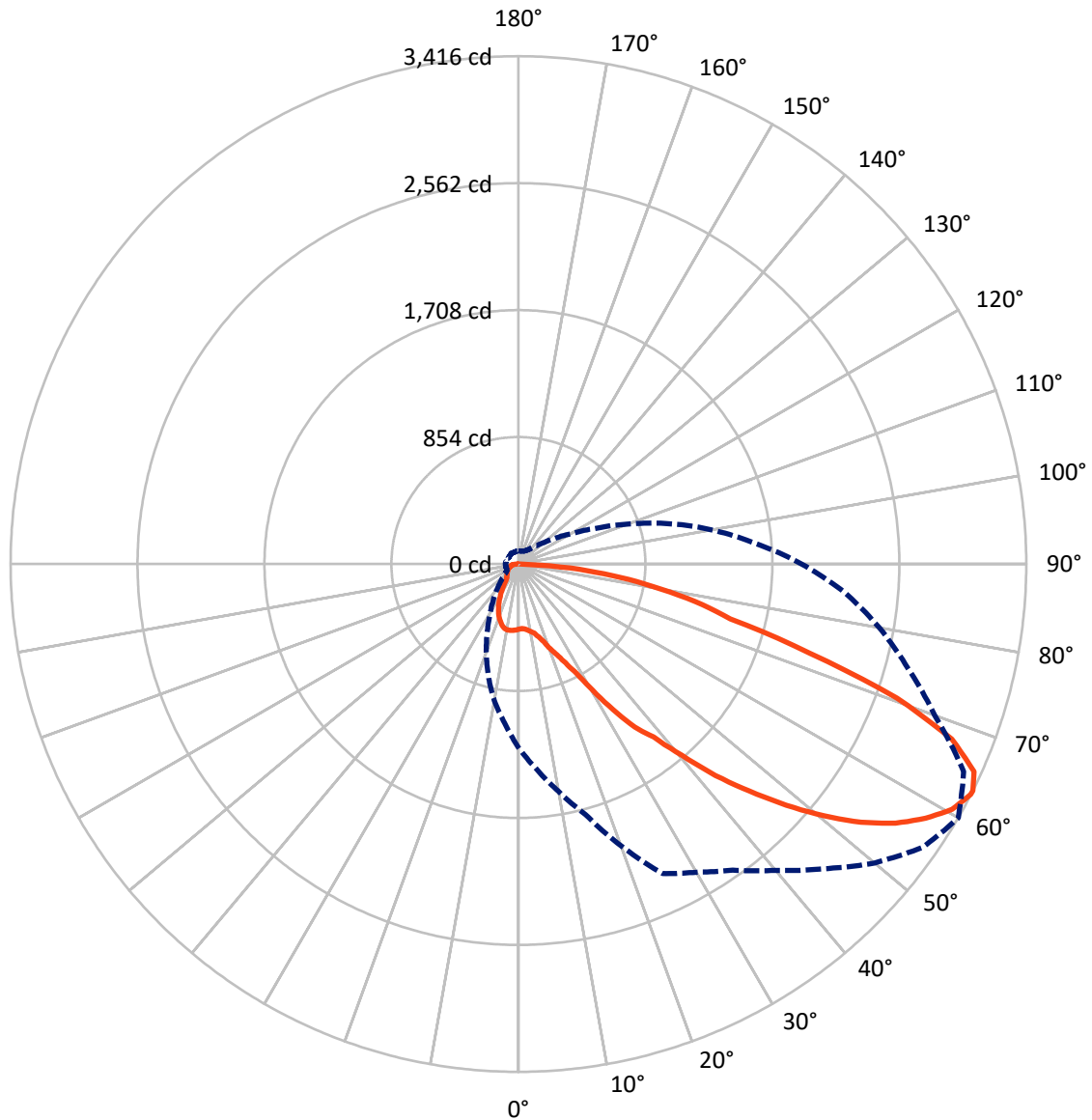


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - Non-Cutoff

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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	756.7	0.0	756.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	2733.0	0.0	2733.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	3489.7	0.0	3489.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.7	1.2
10°-20°	133.0	3.8
20°-30°	236.2	6.8
30°-40°	372.0	10.7
40°-50°	547.4	15.7
50°-60°	727.1	20.8
60°-70°	800.9	23.0
70°-80°	502.5	14.4
80°-90°	128.0	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°	3489.7	100.0
0°-180°	3489.7	100.0

Coefficient of Utilization



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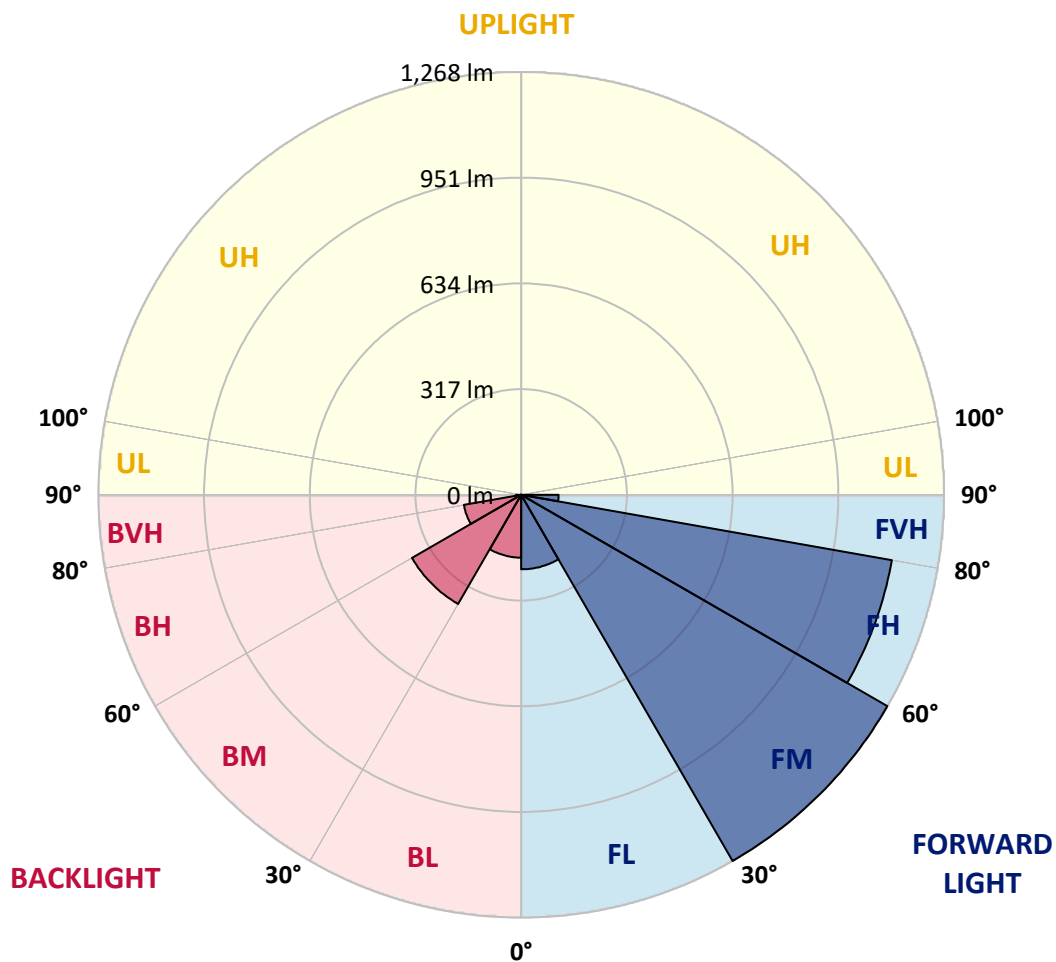
CATALOG NUMBER: ICS-F02-LED-E1-SLL-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.5	6.4			
FM (30°-60°)	1268.3	36.3			
FH (60°-80°)	1129.0	32.4			G1/1800
FVH (80°-90°)	112.3	3.2			G2/225
BL (0°-30°)	188.4	5.4	B1/500		
BM (30°-60°)	378.2	10.8	B1/1000		
BH (60°-80°)	174.4	5.0	B1/500		G1/500
BVH (80°-90°)	15.7	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°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5
2.5°	432.7	433.5	433.5	433.1	433.1	434.0	433.5	433.1	431.9	433.5	433.5
5°	429.4	430.2	430.2	431.0	431.9	432.7	432.7	433.5	433.1	434.8	436.0
7.5°	433.5	434.4	436.0	438.1	439.4	442.3	442.3	444.4	445.2	446.5	446.1
10°	439.0	441.1	444.8	448.2	450.7	454.0	456.5	459.5	459.5	460.7	461.5
12.5°	448.6	450.7	454.9	459.0	462.8	467.0	470.7	473.7	476.6	477.4	479.1
15°	464.5	467.0	473.2	479.1	483.7	489.1	494.2	500.0	505.4	506.7	507.5
17.5°	488.3	493.3	497.9	508.4	515.1	522.2	530.1	538.5	540.1	548.9	551.0
20°	522.2	528.4	532.6	545.6	556.9	566.1	577.8	587.4	591.1	599.5	607.9
22.5°	580.7	579.4	585.7	598.7	607.0	625.4	635.5	645.5	650.5	663.0	669.7
25°	659.3	666.0	679.8	681.0	689.0	710.3	723.3	733.3	733.7	737.5	744.6
27.5°	736.6	764.2	786.0	797.7	819.0	838.6	837.8	852.0	829.9	834.5	841.1
30°	830.3	876.3	917.2	944.8	966.6	989.6	1000.8	1008.8	999.2	995.0	987.0
32.5°	918.1	982.5	1045.6	1094.5	1135.0	1173.1	1198.2	1209.5	1222.8	1256.7	1268.8
35°	978.3	1069.4	1148.0	1218.7	1286.4	1347.0	1390.9	1416.0	1406.4	1401.8	1399.3
37.5°	1014.2	1125.4	1223.7	1323.6	1401.4	1492.1	1560.2	1626.3	1641.3	1615.0	1602.0
40°	1036.8	1168.5	1294.7	1412.6	1513.4	1630.4	1714.9	1814.0	1889.2	1899.3	1868.3
42.5°	1047.7	1197.3	1344.5	1477.9	1614.1	1757.5	1864.6	1984.6	2097.0	2174.4	2155.1
45°	1049.3	1216.1	1380.9	1536.8	1699.0	1869.2	2007.1	2140.1	2290.6	2423.1	2426.9
47.5°	1049.3	1230.4	1405.9	1579.4	1775.1	1966.2	2116.7	2273.9	2458.2	2615.0	2663.1
50°	1050.2	1240.0	1429.4	1612.9	1833.2	2048.1	2218.2	2403.9	2597.9	2768.4	2861.2
52.5°	1053.9	1247.1	1447.8	1636.7	1870.8	2105.8	2297.3	2511.3	2704.5	2879.6	2999.6
55°	1062.3	1257.1	1461.1	1651.4	1895.9	2143.4	2354.5	2584.9	2773.4	2951.1	3118.8
57.5°	1085.7	1274.7	1477.4	1664.3	1909.7	2168.1	2394.7	2616.7	2799.8	2985.0	3181.9
60°	1132.5	1311.9	1505.4	1690.2	1932.7	2213.6	2413.9	2595.3	2780.5	2974.9	3196.1
62.5°	1207.4	1370.0	1544.3	1734.1	1998.3	2284.3	2399.3	2531.8	2704.9	2916.8	3145.5
63°	1233.3	1382.5	1553.1	1743.7	2016.3	2297.3	2393.0	2513.0	2689.4	2898.4	3127.5
65°	1305.6	1438.1	1594.9	1792.2	2090.3	2310.2	2344.1	2415.2	2582.4	2793.5	3021.3
67.5°	1440.6	1573.2	1684.8	1874.2	2152.6	2259.2	2192.3	2201.1	2375.9	2594.5	2799.4
70°	1525.9	1684.0	1742.1	1884.6	2141.3	2183.5	1995.8	1879.6	2019.7	2268.8	2448.2
72.5°	1503.8	1685.2	1678.9	1745.4	1915.6	1954.9	1760.5	1577.4	1660.6	1846.6	1962.8
75°	1288.1	1505.0	1459.0	1445.7	1505.4	1531.4	1385.5	1357.5	1462.4	1565.6	1567.3
77.5°	927.3	1166.0	1112.1	1034.7	1030.5	1090.3	1110.0	1293.5	1448.6	1530.1	1494.2
80°	590.7	849.5	793.5	658.5	656.4	734.1	906.8	1156.4	1320.7	1366.2	1272.6
82.5°	308.5	556.0	577.3	494.2	565.6	694.4	862.9	931.9	994.2	1000.4	890.1
85°	192.3	342.0	402.2	415.1	510.9	615.8	614.6	590.3	562.7	481.6	435.6
87.5°	21.7	43.1	65.2	61.9	83.2	116.6	145.5	85.3	59.8	21.7	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5
2.5°	434.4	434.8	435.2	435.2	437.3	436.9	437.3	438.1	439.4	440.2	441.1
5°	437.7	437.7	439.4	440.6	443.1	444.8	445.7	448.2	451.1	450.3	452.8
7.5°	448.6	448.2	449.8	450.7	452.8	455.7	455.3	457.4	459.9	460.7	462.8
10°	463.2	462.0	462.0	461.1	461.5	460.7	460.7	460.7	462.4	462.0	463.6
12.5°	478.3	477.8	477.0	474.5	474.5	471.2	469.5	467.4	467.0	464.1	464.5
15°	509.2	509.2	507.5	502.5	498.3	495.4	491.2	488.3	484.1	478.7	475.8
17.5°	554.4	548.5	546.4	545.6	538.9	536.4	527.2	517.6	513.0	505.4	501.3
20°	609.5	608.3	599.9	595.7	587.4	575.7	564.0	551.4	543.9	534.7	529.7
22.5°	671.8	662.6	658.5	652.2	639.2	625.8	608.3	591.6	579.9	573.6	569.8
25°	744.6	735.4	731.2	722.8	706.9	692.7	671.0	651.3	640.9	630.4	624.6
27.5°	841.1	832.4	827.3	805.6	800.2	776.8	750.0	723.3	709.5	694.0	684.0
30°	985.4	985.8	959.9	933.5	906.4	865.8	837.8	807.7	785.1	763.0	740.8
32.5°	1229.1	1166.8	1118.7	1062.3	1003.4	960.3	925.6	889.6	858.3	826.1	789.3
35°	1377.9	1347.8	1285.5	1182.3	1122.9	1070.7	1032.2	988.7	950.3	893.4	837.4
37.5°	1546.0	1476.2	1400.5	1343.2	1275.9	1215.3	1150.9	1101.6	1035.1	958.6	879.2
40°	1791.4	1691.5	1600.3	1523.4	1436.5	1372.9	1301.0	1229.5	1141.3	1030.5	921.4
42.5°	2047.7	1944.4	1824.0	1724.1	1621.7	1547.3	1458.2	1357.9	1228.3	1091.1	957.8
45°	2316.5	2178.5	2034.3	1912.2	1805.6	1713.2	1602.9	1469.9	1311.9	1145.5	991.6
47.5°	2581.5	2423.1	2251.3	2120.0	1981.2	1868.3	1732.9	1564.8	1377.1	1196.9	1025.5
50°	2815.2	2662.7	2455.7	2288.9	2148.4	2009.2	1840.3	1638.0	1428.5	1241.2	1056.0
52.5°	3016.8	2885.5	2667.7	2457.0	2295.2	2138.8	1926.9	1696.9	1480.4	1282.2	1081.1
55°	3164.7	3077.4	2876.7	2615.4	2424.4	2237.9	2000.0	1753.8	1529.3	1314.8	1097.4
57.5°	3276.4	3227.9	3055.6	2764.7	2543.1	2334.1	2075.7	1821.9	1577.8	1342.8	1104.9
60°	3337.4	3350.8	3191.1	2895.1	2648.0	2414.3	2151.4	1880.0	1613.7	1359.1	1100.8
62.5°	3331.6	3413.5	3292.7	2975.4	2709.1	2462.0	2202.4	1907.2	1608.7	1333.2	1062.7
63°	3320.3	3415.6	3304.0	2980.8	2712.8	2463.7	2203.6	1903.4	1598.3	1320.7	1047.7
65°	3222.9	3367.5	3294.3	2956.1	2679.4	2432.3	2177.3	1849.1	1524.7	1253.4	970.3
67.5°	2962.0	3143.0	3122.1	2781.8	2520.9	2302.7	2042.7	1673.9	1342.8	1087.8	822.3
70°	2531.0	2701.1	2704.9	2419.3	2201.5	1987.5	1771.3	1362.1	1064.4	843.2	613.3
72.5°	1939.8	2049.4	2087.4	1899.3	1753.4	1602.9	1408.9	988.7	758.8	573.6	399.3
75°	1502.1	1472.0	1471.6	1392.2	1332.8	1259.2	1046.0	667.2	498.3	372.9	244.1
77.5°	1350.3	1216.6	1087.0	991.6	944.0	919.3	686.0	402.2	293.9	214.5	140.5
80°	1113.7	916.4	740.4	637.5	596.6	625.0	382.5	217.4	161.0	122.1	91.1
82.5°	768.0	637.5	484.5	401.3	344.5	360.4	195.7	111.2	74.4	68.1	56.4
85°	400.1	350.8	296.0	254.2	224.5	197.3	101.6	53.1	30.9	27.2	24.7
87.5°	0.0	0.4	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°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5
2.5°	442.3	441.9	442.7	443.1	444.4	445.2	445.7	444.8	446.1	447.3	446.5
5°	454.0	456.9	457.4	458.6	458.6	461.1	461.1	461.1	460.7	461.1	460.3
7.5°	464.1	467.8	468.2	469.9	470.3	473.2	472.0	472.8	472.8	470.7	469.9
10°	465.3	469.1	471.2	473.2	476.2	479.9	479.9	482.0	482.0	480.4	479.9
12.5°	465.7	468.6	470.7	473.7	477.8	483.3	486.2	489.1	490.4	490.0	488.7
15°	474.5	474.5	474.9	477.4	480.4	487.0	491.2	494.6	496.7	495.8	493.7
17.5°	497.5	494.2	491.6	487.5	488.3	491.6	494.2	497.1	497.5	496.7	493.3
20°	524.3	520.1	513.8	507.1	503.8	501.3	499.6	499.6	498.3	494.2	488.7
22.5°	562.3	556.9	548.1	538.0	531.4	523.4	513.8	504.6	494.6	484.5	472.8
25°	615.0	607.4	598.2	582.8	568.6	551.8	532.2	511.7	487.9	467.0	449.8
27.5°	668.1	651.3	627.5	606.2	579.9	554.8	526.8	501.7	471.2	446.1	427.3
30°	712.0	680.2	645.9	612.0	577.3	543.5	510.0	479.9	446.5	421.0	402.6
32.5°	745.8	701.9	654.3	610.0	567.3	525.9	487.5	454.0	420.2	393.8	374.2
35°	777.2	716.1	655.5	600.8	548.1	505.0	461.5	425.2	389.2	361.6	340.3
37.5°	800.6	722.8	648.0	583.6	523.0	474.9	430.6	393.4	356.6	326.5	302.3
40°	815.6	718.7	631.7	559.0	493.3	442.7	397.6	359.1	323.6	290.6	261.3
42.5°	827.8	713.2	615.4	536.4	469.9	414.7	368.3	326.9	291.0	255.0	222.8
45°	845.7	717.4	608.3	520.5	449.0	390.9	339.9	296.8	259.2	224.1	193.1
47.5°	863.3	719.5	597.8	500.8	422.7	366.2	314.4	272.6	234.1	201.9	173.5
50°	879.2	718.2	581.5	475.8	397.2	341.6	291.4	249.6	211.5	181.9	155.1
52.5°	886.7	711.1	561.5	451.5	376.7	319.8	268.8	228.3	190.6	162.6	138.0
55°	885.9	692.7	535.1	428.5	354.1	296.8	246.7	206.5	172.7	146.7	125.4
57.5°	873.3	664.3	507.1	403.0	324.4	268.4	220.7	181.9	153.4	131.7	113.7
60°	847.0	627.9	470.3	365.8	287.2	233.3	188.5	155.1	132.1	115.4	103.7
62.5°	797.7	575.7	424.3	314.0	237.0	187.7	148.8	127.1	110.0	99.9	94.5
63°	783.0	561.5	404.7	301.4	225.3	177.3	140.5	117.9	105.4	96.6	91.6
65°	710.3	491.6	338.6	243.3	175.2	136.7	112.9	95.7	88.2	84.4	84.0
67.5°	575.3	386.7	239.6	166.8	119.1	98.7	86.5	79.4	76.1	75.3	76.1
70°	403.8	244.1	152.2	110.8	88.2	79.4	74.0	71.1	69.0	69.4	70.2
72.5°	257.5	146.3	104.5	84.0	74.4	69.8	67.3	66.5	66.1	65.6	65.6
75°	146.7	97.4	80.3	72.7	67.7	64.0	61.9	61.0	61.5	61.9	61.0
77.5°	97.0	80.3	71.5	66.5	61.9	57.7	56.4	56.0	56.9	57.7	57.7
80°	76.5	71.5	66.5	61.5	53.9	51.0	51.8	52.3	51.8	52.3	51.0
82.5°	53.9	53.1	54.3	52.3	44.7	42.2	41.4	41.8	41.0	41.0	40.1
85°	25.1	25.1	26.3	26.3	25.5	25.9	28.0	30.5	31.8	30.5	28.8
87.5°	0.0	0.0	0.0	0.0	0.0	3.8	7.5	10.9	11.7	14.6	14.2
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5
2.5°	445.2	446.1	445.7	445.2	446.1	445.2	445.7	445.2	445.2	444.8	444.8
5°	459.5	460.7	458.2	457.8	456.9	454.9	454.9	454.0	454.0	452.3	451.1
7.5°	468.6	469.1	467.0	466.6	464.5	462.4	460.7	459.0	458.6	457.4	454.9
10°	477.4	476.6	474.9	472.8	470.7	467.8	465.7	463.6	463.2	461.1	458.2
12.5°	485.0	484.5	481.2	479.1	475.8	472.8	470.3	467.8	466.6	464.1	459.9
15°	490.0	487.5	483.3	479.5	475.8	472.4	469.5	466.6	465.3	462.4	458.2
17.5°	487.9	483.3	477.8	473.2	468.2	464.1	461.5	458.6	456.5	454.9	449.0
20°	480.4	473.7	465.3	459.9	453.2	447.7	446.1	443.1	441.5	435.2	427.7
22.5°	460.7	451.1	440.6	432.7	425.2	419.7	415.6	412.6	408.4	404.7	393.0
25°	436.0	425.2	414.3	404.7	394.7	386.3	378.8	371.7	369.6	361.6	350.3
27.5°	412.2	400.1	389.2	377.9	365.0	354.5	341.6	331.5	324.8	316.5	306.0
30°	386.7	374.6	360.0	344.9	329.9	318.6	303.9	291.8	283.4	274.7	265.1
32.5°	354.5	339.9	322.3	305.6	291.8	278.4	263.8	252.1	243.7	235.8	226.6
35°	317.7	298.5	279.7	261.3	246.7	235.4	222.4	213.6	207.8	200.7	191.1
37.5°	275.5	253.8	233.7	219.5	206.5	195.7	186.5	181.0	174.8	171.0	165.1
40°	232.9	211.5	191.9	178.9	168.1	161.8	156.8	155.5	151.3	146.3	142.6
42.5°	195.2	174.8	155.5	145.1	138.0	136.3	133.8	133.8	131.7	127.9	125.4
45°	169.7	148.4	131.7	124.2	120.4	120.0	118.7	118.7	118.3	116.6	113.7
47.5°	151.3	132.1	119.1	114.5	113.7	112.9	111.6	111.2	110.8	109.5	107.9
50°	134.6	118.3	110.0	107.9	108.3	107.0	105.8	104.5	104.1	102.8	101.2
52.5°	119.1	107.4	102.0	100.8	100.8	100.8	99.9	99.9	99.1	98.7	97.0
55°	110.4	101.6	98.7	98.2	97.8	97.4	96.6	96.6	95.7	95.3	93.2
57.5°	102.8	97.4	95.7	94.9	94.5	93.6	93.2	93.2	93.2	93.2	90.7
60°	97.0	94.5	94.1	93.2	92.8	91.1	90.3	89.9	90.3	90.7	88.2
62.5°	90.7	90.3	89.9	89.0	88.6	87.0	85.7	84.9	85.7	86.5	86.1
63°	89.0	88.6	88.6	88.2	87.8	85.7	84.4	83.6	84.4	85.3	85.3
65°	83.2	83.6	83.6	83.2	82.8	81.5	79.9	79.0	79.4	80.7	81.1
67.5°	76.9	77.3	76.9	77.3	76.9	76.1	74.8	74.0	73.6	74.0	74.4
70°	71.1	71.9	71.5	71.1	70.7	70.7	69.8	68.6	68.1	67.7	67.7
72.5°	66.1	66.1	65.2	65.2	64.8	64.8	64.0	62.7	62.3	62.3	61.5
75°	60.6	60.6	59.4	59.4	58.5	58.9	58.1	56.9	56.4	56.4	56.0
77.5°	57.3	56.0	53.9	53.5	53.1	53.1	52.7	51.4	51.0	51.0	50.6
80°	50.6	48.1	46.0	45.6	46.0	46.8	46.8	46.0	46.0	46.0	46.0
82.5°	39.3	38.5	37.2	36.4	36.4	37.6	39.3	40.1	41.0	41.8	41.8
85°	28.8	29.3	28.8	27.6	27.2	28.4	30.1	31.8	32.2	33.9	33.4
87.5°	15.5	15.9	14.6	14.2	15.5	16.3	18.0	18.4	19.2	19.6	20.1
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°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5
2.5°	444.4	444.0	444.4	443.6	443.6	442.7	441.9	441.5	440.6	440.2	439.4
5°	451.9	450.7	449.4	449.0	447.3	445.7	444.4	442.3	440.6	437.7	436.9
7.5°	456.9	454.0	452.3	451.9	449.4	448.2	445.2	442.7	440.2	436.5	435.2
10°	459.0	456.1	453.2	451.9	449.0	446.9	444.0	440.2	438.1	434.4	433.5
12.5°	461.5	456.1	451.5	448.2	444.0	439.4	436.5	434.4	431.4	429.4	428.5
15°	456.9	449.8	442.7	436.5	429.8	424.8	421.8	418.5	415.1	413.9	413.9
17.5°	444.4	435.2	423.1	415.1	408.0	402.6	398.8	395.5	395.1	393.4	394.2
20°	418.5	406.4	394.7	388.8	384.6	381.3	377.5	375.8	374.6	372.1	371.2
22.5°	382.5	372.5	364.1	360.0	356.6	352.4	349.1	344.1	342.8	340.3	339.0
25°	342.8	334.9	327.8	324.8	322.7	316.9	314.8	308.1	303.5	300.6	302.3
27.5°	303.1	297.2	290.6	286.8	285.5	280.1	278.0	270.5	266.7	266.7	262.5
30°	262.1	256.7	252.5	248.3	247.5	240.8	235.4	232.4	228.3	226.6	223.7
32.5°	223.7	218.2	214.9	212.8	209.5	204.0	198.6	193.6	186.9	184.4	183.1
35°	188.1	183.9	179.8	178.1	173.5	167.6	161.0	156.8	148.8	145.9	144.7
37.5°	161.0	155.9	153.0	148.4	143.8	137.5	132.5	128.8	125.8	124.6	124.6
40°	139.2	135.5	132.1	128.3	124.6	121.2	118.7	117.9	117.5	117.5	118.3
42.5°	122.9	119.6	117.9	115.8	114.5	114.5	114.1	114.5	115.0	115.4	116.6
45°	112.0	110.0	109.1	108.7	109.5	110.4	110.8	111.6	113.3	114.1	114.5
47.5°	106.2	104.5	104.1	104.5	105.8	107.4	109.1	110.4	111.6	112.0	112.5
50°	100.3	98.2	97.4	98.2	99.9	102.4	103.7	105.8	106.6	107.4	106.6
52.5°	95.3	93.6	93.2	93.2	94.9	96.6	98.2	99.9	100.3	100.3	99.9
55°	91.1	89.9	88.6	89.5	90.7	92.4	94.9	96.2	97.0	97.4	97.4
57.5°	87.8	86.5	85.3	86.1	87.4	89.0	91.6	92.8	93.6	94.9	95.3
60°	85.3	83.6	82.4	83.6	84.9	87.4	89.5	90.7	92.8	93.2	93.2
62.5°	82.8	81.1	79.0	80.3	80.3	81.5	83.6	85.3	87.4	88.2	88.2
63°	82.4	80.7	78.6	79.4	79.4	80.3	81.9	83.6	86.1	87.0	86.5
65°	79.0	78.6	76.5	76.5	75.7	76.5	77.8	79.4	80.7	81.9	81.9
67.5°	73.6	73.2	72.7	72.7	72.7	73.6	74.4	75.7	76.9	77.8	77.3
70°	67.3	67.3	67.3	67.7	67.7	68.6	69.0	68.6	69.8	70.7	70.2
72.5°	61.9	61.5	61.0	61.9	61.5	61.5	62.3	61.9	63.1	63.1	63.5
75°	56.0	55.6	55.6	56.0	55.2	54.3	54.8	54.8	55.2	55.2	56.0
77.5°	51.0	51.0	51.0	50.6	49.7	49.3	48.9	48.9	48.9	48.9	49.3
80°	46.4	46.4	46.4	46.0	45.2	44.3	43.5	43.1	42.6	40.6	40.6
82.5°	41.8	41.8	41.8	41.8	41.4	40.6	39.3	36.0	34.3	32.6	33.0
85°	33.0	33.9	34.7	36.0	35.5	35.5	33.0	28.8	26.3	24.7	25.1
87.5°	21.3	18.8	18.8	18.4	17.6	16.7	16.7	14.2	11.7	10.5	10.9
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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REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	438.5	0°
2.5°	439.4	438.5	437.7	437.7	436.5	436.5	435.6	437.3	435.6	434.4	434.4	2.5°
5°	436.0	435.2	432.7	432.3	430.6	430.6	430.6	429.8	429.8	428.9	428.5	5°
7.5°	434.0	431.9	429.8	428.5	428.5	427.7	429.4	428.5	428.9	428.9	429.4	7.5°
10°	432.3	430.6	429.8	429.4	429.4	430.6	431.9	432.3	431.9	432.3	432.3	10°
12.5°	428.1	428.9	429.4	431.0	433.1	435.6	438.5	439.0	439.8	439.8	440.6	12.5°
15°	414.7	416.8	419.3	423.5	428.9	434.4	439.8	444.4	448.6	450.7	452.3	15°
17.5°	395.9	398.0	402.6	407.2	414.3	422.2	431.4	439.4	448.2	456.1	464.1	17.5°
20°	370.4	373.7	375.0	383.4	391.7	402.6	413.5	426.0	441.1	456.1	471.6	20°
22.5°	337.4	341.1	347.0	353.7	362.5	375.8	388.8	408.4	428.5	449.8	474.1	22.5°
25°	300.6	304.8	309.8	316.9	325.7	339.9	358.7	379.6	404.3	432.3	462.4	25°
27.5°	262.5	266.7	270.9	275.9	286.0	301.0	323.2	344.9	372.1	402.6	437.7	27.5°
30°	224.5	224.9	227.4	233.7	244.1	263.8	280.1	307.3	335.7	367.9	408.4	30°
32.5°	182.7	182.3	185.2	190.6	200.7	219.5	239.6	265.9	293.9	334.5	376.3	32.5°
35°	145.5	145.5	150.9	156.4	167.6	181.0	198.6	222.0	255.0	292.6	334.5	35°
37.5°	125.8	128.8	132.1	137.5	146.3	156.8	172.2	192.7	218.6	254.6	293.1	37.5°
40°	119.6	121.2	124.2	129.2	136.7	146.3	157.6	173.1	193.1	222.0	257.1	40°
42.5°	117.1	117.5	119.1	122.9	129.6	139.2	150.9	164.7	179.8	200.3	230.8	42.5°
45°	114.5	114.1	115.0	117.9	123.3	134.2	147.6	162.6	177.7	194.8	219.9	45°
47.5°	112.5	112.5	112.5	113.7	118.7	129.6	145.1	162.6	180.6	199.8	224.5	47.5°
50°	106.6	106.2	106.2	107.0	110.8	122.5	140.9	162.2	185.6	210.7	238.7	50°
52.5°	99.9	99.9	100.3	100.8	104.1	115.8	136.3	162.2	191.5	224.9	260.0	52.5°
55°	97.8	98.2	98.7	98.2	100.8	110.8	131.3	159.7	194.0	236.2	283.0	55°
57.5°	96.2	97.0	97.0	96.6	98.2	106.6	126.3	154.7	191.9	240.4	299.3	57.5°
60°	93.6	93.6	93.6	92.4	93.2	100.8	118.7	146.7	185.2	236.6	301.8	60°
62.5°	88.2	88.2	87.4	87.0	86.5	92.4	108.7	135.0	173.1	226.6	295.6	62.5°
63°	87.0	86.5	86.5	85.3	85.3	90.7	106.6	133.4	169.7	224.1	293.1	63°
65°	82.4	82.4	82.4	81.5	81.1	85.3	98.2	121.7	156.8	212.4	280.5	65°
67.5°	77.3	77.8	76.9	76.5	76.1	78.6	88.6	107.0	136.7	187.7	257.1	67.5°
70°	70.2	70.7	70.7	70.2	69.8	71.5	77.8	92.0	113.3	156.4	219.1	70°
72.5°	64.0	64.8	64.8	65.6	65.6	66.9	69.4	76.5	90.7	122.1	172.2	72.5°
75°	57.3	57.7	58.5	59.4	58.5	58.1	58.5	64.0	71.1	90.3	122.9	75°
77.5°	51.4	52.7	52.7	52.3	51.0	50.2	50.2	52.7	58.5	68.6	87.8	77.5°
80°	42.6	44.7	45.2	43.9	42.6	42.6	43.5	45.2	48.9	56.4	66.5	80°
82.5°	34.3	36.4	36.8	37.2	36.8	38.0	38.0	38.5	40.6	46.4	54.3	82.5°
85°	26.3	28.0	29.3	29.7	30.1	30.5	30.1	28.0	29.3	33.0	36.8	85°
87.5°	11.7	12.1	11.3	11.7	11.3	11.7	12.1	10.0	9.6	13.0	13.4	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°
438.5	438.5	438.5	438.5	438.5	438.5	438.5
434.0	434.0	434.4	433.5	433.5	434.0	432.7
427.3	428.9	428.9	428.9	428.1	428.9	429.4
428.9	430.2	431.0	431.0	430.6	432.3	433.5
431.0	433.1	434.0	434.0	434.0	436.0	439.0
439.0	440.6	441.9	441.9	442.7	445.2	448.6
453.6	455.7	455.7	455.3	457.8	460.7	464.5
469.9	475.8	478.7	478.3	480.4	484.1	488.3
485.4	501.7	508.8	513.8	515.9	520.9	522.2
498.3	525.5	545.2	561.9	569.8	574.8	580.7
493.7	530.5	565.6	599.9	624.2	648.8	659.3
474.9	520.9	566.9	617.1	661.0	704.9	736.6
451.9	507.1	569.0	640.1	709.5	776.8	830.3
425.6	494.2	573.6	661.4	752.5	840.7	918.1
392.6	469.5	562.3	663.5	770.9	877.9	978.3
350.8	436.0	536.0	648.4	771.7	894.2	1014.2
308.9	393.8	502.5	626.7	760.9	898.0	1036.8
279.7	356.2	468.6	599.1	743.3	892.1	1047.7
259.6	329.0	438.5	574.0	724.5	881.7	1049.3
257.9	317.3	418.9	555.6	709.5	872.5	1049.3
272.2	323.6	412.2	546.4	703.2	869.6	1050.2
298.9	348.7	424.3	553.5	708.2	873.3	1053.9
331.1	386.7	456.9	578.2	729.5	885.9	1062.3
360.4	430.6	512.5	625.8	768.4	917.7	1085.7
377.5	468.2	571.5	692.7	834.9	980.8	1132.5
379.6	489.1	623.8	765.5	915.6	1053.1	1207.4
377.9	490.8	630.4	779.3	932.7	1071.1	1233.3
368.7	491.2	649.3	827.8	992.1	1146.7	1305.6
345.3	477.8	655.9	865.8	1066.9	1246.2	1440.6
304.8	439.8	636.3	866.6	1095.7	1301.9	1525.9
245.0	367.5	551.4	788.5	1019.7	1247.1	1503.8
179.3	270.1	416.8	610.8	831.9	1038.1	1288.1
119.1	174.8	280.9	435.2	596.6	747.1	927.3
81.9	108.3	164.3	261.7	365.0	438.1	590.7
60.2	71.5	91.1	133.8	175.6	216.1	308.5
37.6	41.0	45.6	66.1	94.5	127.5	192.3
10.0	10.5	9.6	13.0	20.5	19.6	21.7
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)