

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: P181036

Luminaire Tested: **ICS-E03-LED-E1-SLL-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181036
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-E03-LED-E1-SLL-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6340.9 lumens
Efficiency: N/A
Efficacy: 84.3 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): 75.2
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

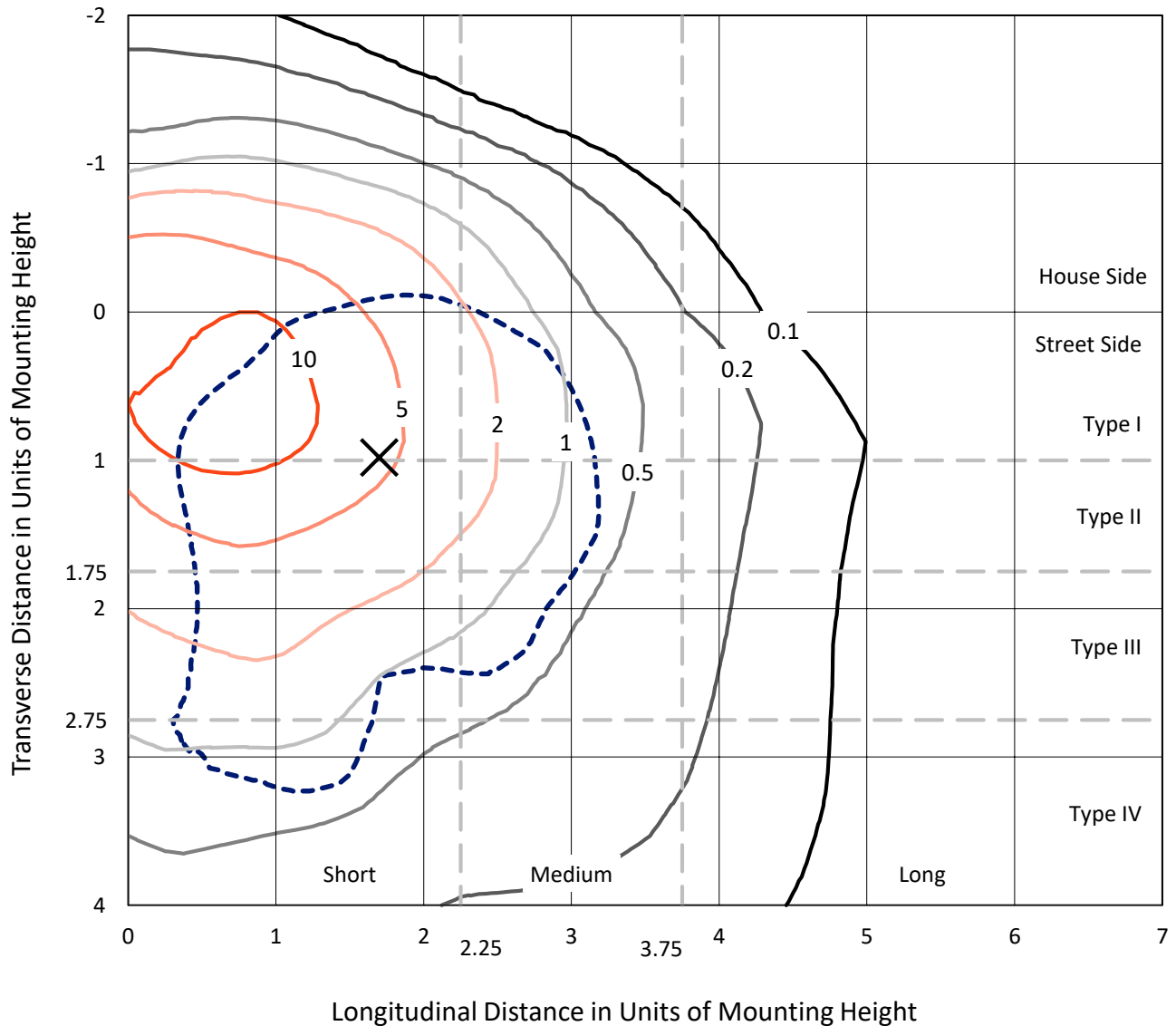


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

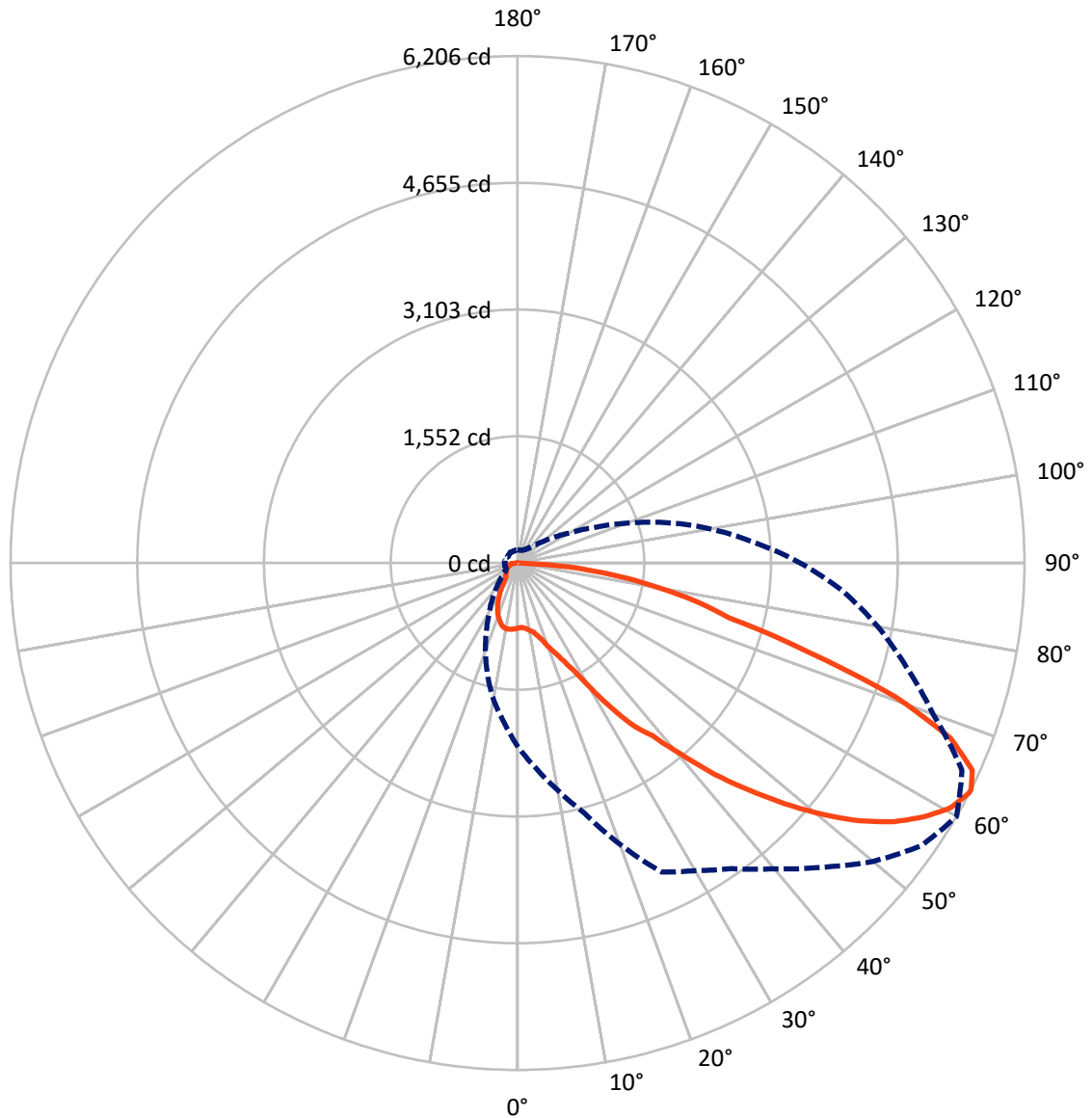


Based on 10 foot mounting height. Maximum calculated value = 15.8 fc
 Type IV - Short - Non-Cutoff

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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	1375.0	0.0	1375.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	4965.9	0.0	4965.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	6340.9	0.0	6340.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.2
10°-20°	241.6	3.8
20°-30°	429.2	6.8
30°-40°	675.9	10.7
40°-50°	994.7	15.7
50°-60°	1321.2	20.8
60°-70°	1455.3	23.0
70°-80°	913.0	14.4
80°-90°	232.6	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°	6340.9	100.0
0°-180°	6340.9	100.0



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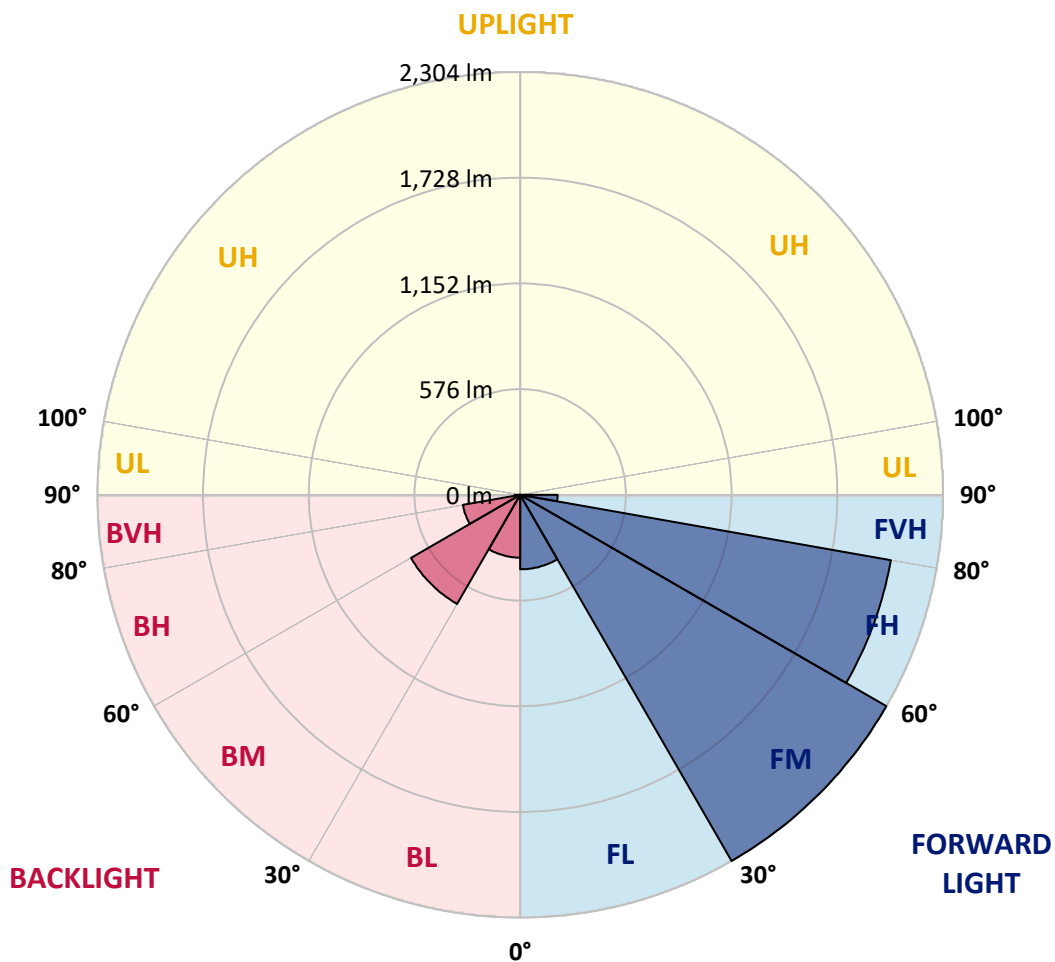
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	406.0	6.4			
FM	(30°-60°)	2304.4	36.3			
FH	(60°-80°)	2051.4	32.4			G2/5000
FVH	(80°-90°)	204.1	3.2			G2/225
BL	(0°-30°)	342.3	5.4	B1/500		
BM	(30°-60°)	687.3	10.8	B1/1000		
BH	(60°-80°)	317.0	5.0	B1/500		G1/500
BVH	(80°-90°)	28.5	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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	786.2	787.7	787.7	787.0	787.0	788.5	787.7	787.0	784.7	787.7	787.7
5°	780.1	781.7	781.7	783.2	784.7	786.2	786.2	787.7	787.0	790.0	792.3
7.5°	787.7	789.3	792.3	796.1	798.4	803.7	803.7	807.5	809.0	811.3	810.5
10°	797.6	801.4	808.2	814.3	818.9	825.0	829.5	834.8	834.8	837.1	838.6
12.5°	815.1	818.9	826.5	834.1	840.9	848.5	855.3	860.7	866.0	867.5	870.5
15°	844.0	848.5	859.9	870.5	878.9	888.8	897.9	908.5	918.4	920.7	922.2
17.5°	887.3	896.4	904.7	923.7	935.9	948.8	963.2	978.4	981.4	997.4	1001.2
20°	948.8	960.2	967.8	991.3	1011.8	1028.5	1049.8	1067.3	1074.1	1089.3	1104.5
22.5°	1055.1	1052.9	1064.2	1087.8	1103.0	1136.4	1154.6	1172.9	1182.0	1204.8	1216.9
25°	1197.9	1210.1	1235.2	1237.4	1251.9	1290.6	1314.2	1332.4	1333.2	1340.0	1352.9
27.5°	1338.5	1388.6	1428.1	1449.4	1488.1	1523.8	1522.3	1548.1	1507.9	1516.2	1528.4
30°	1508.6	1592.2	1666.6	1716.8	1756.3	1798.1	1818.6	1833.0	1815.5	1807.9	1793.5
32.5°	1668.2	1785.1	1899.8	1988.7	2062.4	2131.5	2177.1	2197.6	2221.9	2283.5	2305.5
35°	1777.5	1943.1	2086.0	2214.3	2337.4	2447.5	2527.3	2572.9	2555.4	2547.0	2542.5
37.5°	1842.9	2044.9	2223.4	2405.0	2546.3	2711.1	2835.0	2955.0	2982.3	2934.5	2910.9
40°	1883.9	2123.2	2352.6	2566.8	2749.9	2962.6	3116.0	3296.0	3432.8	3451.0	3394.8
42.5°	1903.6	2175.6	2443.0	2685.3	2932.9	3193.5	3388.0	3606.0	3810.3	3950.9	3915.9
45°	1906.7	2209.8	2509.1	2792.4	3087.1	3396.3	3647.0	3888.6	4162.0	4402.8	4409.7
47.5°	1906.7	2235.6	2554.6	2869.9	3225.4	3572.6	3846.0	4131.6	4466.6	4751.5	4838.9
50°	1908.2	2253.1	2597.2	2930.7	3331.0	3721.4	4030.6	4367.9	4720.4	5030.3	5198.9
52.5°	1915.0	2266.0	2630.6	2974.0	3399.4	3826.3	4174.2	4563.1	4914.1	5232.4	5450.4
55°	1930.2	2284.2	2654.9	3000.6	3444.9	3894.6	4278.3	4696.8	5039.4	5362.3	5666.9
57.5°	1972.8	2316.1	2684.5	3024.1	3470.0	3939.5	4351.2	4754.5	5087.3	5423.8	5781.6
60°	2057.8	2383.7	2735.4	3071.2	3511.8	4022.3	4386.1	4715.8	5052.3	5405.5	5807.4
62.5°	2193.8	2489.3	2806.1	3151.0	3631.0	4150.6	4359.5	4600.3	4914.8	5300.0	5715.5
63°	2240.9	2512.1	2822.0	3168.4	3663.7	4174.2	4348.1	4566.2	4886.7	5266.5	5682.8
65°	2372.3	2613.1	2898.0	3256.5	3798.2	4197.7	4259.3	4388.4	4692.3	5075.9	5489.9
67.5°	2617.7	2858.5	3061.3	3405.4	3911.4	4105.1	3983.5	3999.5	4317.0	4714.3	5086.5
70°	2772.7	3059.8	3165.4	3424.4	3890.8	3967.6	3626.5	3415.3	3669.8	4122.5	4448.4
72.5°	2732.4	3062.1	3050.7	3171.5	3480.6	3552.0	3198.8	2866.1	3017.3	3355.3	3566.5
75°	2340.4	2734.7	2651.1	2626.8	2735.4	2782.5	2517.4	2466.5	2657.2	2844.8	2847.9
77.5°	1684.9	2118.6	2020.6	1880.1	1872.5	1981.1	2016.8	2350.3	2632.1	2780.3	2714.9
80°	1073.4	1543.6	1441.8	1196.4	1192.6	1333.9	1647.6	2101.1	2399.7	2482.5	2312.3
82.5°	560.6	1010.3	1049.1	897.9	1027.8	1261.8	1567.9	1693.2	1806.4	1817.8	1617.3
85°	349.4	621.4	730.8	754.3	928.3	1118.9	1116.7	1072.6	1022.5	875.1	791.5
87.5°	39.5	78.2	118.5	112.4	151.2	211.9	264.4	155.0	108.6	39.5	54.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	789.3	790.0	790.8	790.8	794.6	793.8	794.6	796.1	798.4	799.9	801.4
5°	795.3	795.3	798.4	800.7	805.2	808.2	809.8	814.3	819.6	818.1	822.7
7.5°	815.1	814.3	817.4	818.9	822.7	828.0	827.2	831.0	835.6	837.1	840.9
10°	841.7	839.4	839.4	837.9	838.6	837.1	837.1	837.1	840.2	839.4	842.4
12.5°	869.0	868.3	866.7	862.2	862.2	856.1	853.1	849.3	848.5	843.2	844.0
15°	925.2	925.2	922.2	913.1	905.5	900.2	892.6	887.3	879.7	869.8	864.5
17.5°	1007.3	996.6	992.8	991.3	979.2	974.6	957.9	940.4	932.1	918.4	910.8
20°	1107.5	1105.3	1090.1	1082.5	1067.3	1046.0	1024.7	1002.0	988.3	971.6	962.5
22.5°	1220.7	1204.0	1196.4	1185.0	1161.5	1137.2	1105.3	1074.9	1053.6	1042.2	1035.4
25°	1352.9	1336.2	1328.6	1313.4	1284.5	1258.7	1219.2	1183.5	1164.5	1145.5	1134.9
27.5°	1528.4	1512.4	1503.3	1463.8	1453.9	1411.4	1362.8	1314.2	1289.1	1261.0	1242.8
30°	1790.5	1791.2	1744.1	1696.3	1646.9	1573.2	1522.3	1467.6	1426.6	1386.3	1346.1
32.5°	2233.3	2120.1	2032.8	1930.2	1823.1	1744.9	1681.8	1616.5	1559.5	1501.0	1434.2
35°	2503.8	2449.1	2335.9	2148.2	2040.4	1945.4	1875.5	1796.5	1726.6	1623.3	1521.5
37.5°	2809.1	2682.3	2544.8	2440.7	2318.4	2208.3	2091.3	2001.6	1880.9	1741.8	1597.5
40°	3255.0	3073.5	2907.9	2768.1	2610.1	2494.6	2364.0	2234.1	2073.8	1872.5	1674.2
42.5°	3720.7	3533.1	3314.3	3132.7	2946.6	2811.4	2649.6	2467.3	2231.8	1982.6	1740.3
45°	4209.1	3958.4	3696.4	3474.6	3280.9	3113.0	2912.4	2670.9	2383.7	2081.4	1801.8
47.5°	4690.7	4402.8	4090.6	3852.1	3599.9	3394.8	3148.7	2843.3	2502.2	2174.8	1863.4
50°	5115.4	4838.1	4462.1	4159.0	3903.8	3650.8	3343.9	2976.2	2595.7	2255.4	1918.8
52.5°	5481.5	5243.0	4847.2	4464.4	4170.4	3886.3	3501.1	3083.4	2689.9	2329.8	1964.4
55°	5750.4	5591.7	5227.0	4752.3	4405.1	4066.3	3634.1	3186.7	2778.7	2389.0	1994.0
57.5°	5953.2	5865.1	5552.2	5023.5	4620.8	4241.0	3771.6	3310.5	2866.9	2439.9	2007.7
60°	6064.2	6088.5	5798.3	5260.5	4811.5	4386.9	3909.1	3416.1	2932.2	2469.6	2000.1
62.5°	6053.5	6202.4	5982.9	5406.3	4922.4	4473.5	4001.7	3465.4	2923.1	2422.5	1931.0
63°	6033.0	6206.2	6003.4	5416.2	4929.3	4476.5	4004.0	3458.6	2904.1	2399.7	1903.6
65°	5856.0	6118.8	5985.9	5371.4	4868.5	4419.5	3956.2	3359.9	2770.4	2277.4	1763.1
67.5°	5382.0	5710.9	5672.9	5054.6	4580.6	4184.1	3711.6	3041.6	2439.9	1976.6	1494.2
70°	4598.8	4908.0	4914.8	4396.0	4000.2	3611.3	3218.6	2474.9	1934.0	1532.2	1114.4
72.5°	3524.7	3723.7	3792.8	3451.0	3185.9	2912.4	2560.0	1796.5	1378.7	1042.2	725.4
75°	2729.4	2674.7	2673.9	2529.6	2421.7	2288.0	1900.6	1212.4	905.5	677.6	443.6
77.5°	2453.6	2210.5	1975.0	1801.8	1715.3	1670.4	1246.6	730.8	534.0	389.7	255.2
80°	2023.7	1665.1	1345.3	1158.4	1084.0	1135.7	695.1	395.0	292.5	221.8	165.6
82.5°	1395.4	1158.4	880.4	729.2	625.9	654.8	355.5	202.1	135.2	123.8	102.6
85°	727.0	637.3	537.8	461.9	407.9	358.5	184.6	96.5	56.2	49.4	44.8
87.5°	0.0	0.8	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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	803.7	802.9	804.5	805.2	807.5	809.0	809.8	808.2	810.5	812.8	811.3
5°	825.0	830.3	831.0	833.3	833.3	837.9	837.9	837.9	837.1	837.9	836.4
7.5°	843.2	850.0	850.8	853.8	854.6	859.9	857.6	859.1	859.1	855.3	853.8
10°	845.5	852.3	856.1	859.9	865.2	872.1	872.1	875.9	875.9	872.8	872.1
12.5°	846.2	851.5	855.3	860.7	868.3	878.1	883.5	888.8	891.0	890.3	888.0
15°	862.2	862.2	862.9	867.5	872.8	885.0	892.6	898.6	902.4	900.9	897.1
17.5°	904.0	897.9	893.3	885.7	887.3	893.3	897.9	903.2	904.0	902.4	896.4
20°	952.6	945.0	933.6	921.4	915.4	910.8	907.8	907.8	905.5	897.9	888.0
22.5°	1021.7	1011.8	995.9	977.6	965.5	951.1	933.6	916.9	898.6	880.4	859.1
25°	1117.4	1103.7	1087.0	1058.9	1033.1	1002.7	967.0	929.8	886.5	848.5	817.4
27.5°	1213.9	1183.5	1140.2	1101.5	1053.6	1008.0	957.1	911.6	856.1	810.5	776.3
30°	1293.7	1235.9	1173.6	1112.1	1049.1	987.5	926.8	872.1	811.3	765.0	731.5
32.5°	1355.2	1275.4	1188.8	1108.3	1030.8	955.6	885.7	825.0	763.4	715.6	679.9
35°	1412.2	1301.3	1191.1	1091.6	995.9	917.6	838.6	772.5	707.2	657.1	618.3
37.5°	1454.7	1313.4	1177.4	1060.4	950.3	862.9	782.4	714.8	648.0	593.3	549.2
40°	1482.0	1305.8	1147.8	1015.6	896.4	804.5	722.4	652.5	588.0	527.9	474.8
42.5°	1504.1	1295.9	1118.2	974.6	853.8	753.6	669.2	594.0	528.7	463.4	404.9
45°	1536.7	1303.5	1105.3	945.7	815.8	710.3	617.6	539.3	471.0	407.2	351.0
47.5°	1568.6	1307.3	1086.3	910.0	768.0	665.4	571.2	495.3	425.4	366.9	315.2
50°	1597.5	1305.0	1056.6	864.5	721.7	620.6	529.5	453.5	384.4	330.4	281.8
52.5°	1611.2	1292.1	1020.2	820.4	684.4	581.1	488.4	414.8	346.4	295.5	250.7
55°	1609.7	1258.7	972.3	778.6	643.4	539.3	448.2	375.3	313.7	266.6	227.9
57.5°	1586.9	1207.1	921.4	732.3	589.5	487.7	401.1	330.4	278.8	239.3	206.6
60°	1539.0	1141.0	854.6	664.7	521.9	423.9	342.6	281.8	240.0	209.7	188.4
62.5°	1449.4	1046.0	771.0	570.5	430.7	341.1	270.4	230.9	199.8	181.6	171.7
63°	1422.8	1020.2	735.3	547.7	409.4	322.1	255.2	214.2	191.4	175.5	166.4
65°	1290.6	893.3	615.3	442.1	318.3	248.4	205.1	174.0	160.3	153.4	152.7
67.5°	1045.3	702.7	435.3	303.1	216.5	179.3	157.2	144.3	138.3	136.7	138.3
70°	733.8	443.6	276.5	201.3	160.3	144.3	134.5	129.1	125.3	126.1	127.6
72.5°	467.9	265.9	189.9	152.7	135.2	126.9	122.3	120.8	120.0	119.3	119.3
75°	266.6	177.0	145.8	132.2	123.1	116.2	112.4	110.9	111.7	112.4	110.9
77.5°	176.2	145.8	129.9	120.8	112.4	104.8	102.6	101.8	103.3	104.8	104.8
80°	139.0	129.9	120.8	111.7	98.0	92.7	94.2	95.0	94.2	95.0	92.7
82.5°	98.0	96.5	98.8	95.0	81.3	76.7	75.2	76.0	74.4	74.4	72.9
85°	45.6	45.6	47.9	47.9	46.3	47.1	50.9	55.5	57.7	55.5	52.4
87.5°	0.0	0.0	0.0	0.0	0.0	6.8	13.7	19.8	21.3	26.6	25.8
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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	809.0	810.5	809.8	809.0	810.5	809.0	809.8	809.0	809.0	808.2	808.2
5°	834.8	837.1	832.6	831.8	830.3	826.5	826.5	825.0	825.0	821.9	819.6
7.5°	851.5	852.3	848.5	847.8	844.0	840.2	837.1	834.1	833.3	831.0	826.5
10°	867.5	866.0	862.9	859.1	855.3	850.0	846.2	842.4	841.7	837.9	832.6
12.5°	881.2	880.4	874.3	870.5	864.5	859.1	854.6	850.0	847.8	843.2	835.6
15°	890.3	885.7	878.1	871.3	864.5	858.4	853.1	847.8	845.5	840.2	832.6
17.5°	886.5	878.1	868.3	859.9	850.8	843.2	838.6	833.3	829.5	826.5	815.8
20°	872.8	860.7	845.5	835.6	823.4	813.6	810.5	805.2	802.2	790.8	777.1
22.5°	837.1	819.6	800.7	786.2	772.5	762.7	755.1	749.8	742.2	735.3	714.1
25°	792.3	772.5	752.8	735.3	717.1	701.9	688.2	675.3	671.5	657.1	636.6
27.5°	749.0	727.0	707.2	686.7	663.2	644.2	620.6	602.4	590.2	575.0	556.1
30°	702.7	680.6	654.0	626.7	599.4	578.8	552.3	530.2	515.0	499.1	481.6
32.5°	644.2	617.6	585.7	555.3	530.2	505.9	479.3	458.1	442.9	428.4	411.7
35°	577.3	542.4	508.2	474.8	448.2	427.7	404.1	388.2	377.5	364.6	347.2
37.5°	500.6	461.1	424.6	398.8	375.3	355.5	338.8	328.9	317.5	310.7	300.1
40°	423.1	384.4	348.7	325.1	305.4	294.0	284.9	282.6	275.0	265.9	259.0
42.5°	354.7	317.5	282.6	263.6	250.7	247.6	243.1	243.1	239.3	232.4	227.9
45°	308.4	269.7	239.3	225.6	218.8	218.0	215.7	215.7	215.0	211.9	206.6
47.5°	275.0	240.0	216.5	208.1	206.6	205.1	202.8	202.1	201.3	199.0	196.0
50°	244.6	215.0	199.8	196.0	196.7	194.5	192.2	189.9	189.1	186.9	183.8
52.5°	216.5	195.2	185.4	183.1	183.1	183.1	181.6	181.6	180.0	179.3	176.2
55°	200.5	184.6	179.3	178.5	177.8	177.0	175.5	175.5	174.0	173.2	169.4
57.5°	186.9	177.0	174.0	172.4	171.7	170.2	169.4	169.4	169.4	169.4	164.8
60°	176.2	171.7	170.9	169.4	168.6	165.6	164.1	163.3	164.1	164.8	160.3
62.5°	164.8	164.1	163.3	161.8	161.0	158.0	155.7	154.2	155.7	157.2	156.5
63°	161.8	161.0	161.0	160.3	159.5	155.7	153.4	151.9	153.4	155.0	155.0
65°	151.2	151.9	151.9	151.2	150.4	148.1	145.1	143.6	144.3	146.6	147.4
67.5°	139.8	140.5	139.8	140.5	139.8	138.3	136.0	134.5	133.7	134.5	135.2
70°	129.1	130.7	129.9	129.1	128.4	128.4	126.9	124.6	123.8	123.1	123.1
72.5°	120.0	120.0	118.5	118.5	117.7	117.7	116.2	113.9	113.2	113.2	111.7
75°	110.1	110.1	107.9	107.9	106.3	107.1	105.6	103.3	102.6	102.6	101.8
77.5°	104.1	101.8	98.0	97.2	96.5	96.5	95.7	93.4	92.7	92.7	91.9
80°	91.9	87.4	83.6	82.8	83.6	85.1	85.1	83.6	83.6	83.6	83.6
82.5°	71.4	69.9	67.6	66.1	66.1	68.4	71.4	72.9	74.4	76.0	76.0
85°	52.4	53.2	52.4	50.1	49.4	51.7	54.7	57.7	58.5	61.5	60.8
87.5°	28.1	28.9	26.6	25.8	28.1	29.6	32.7	33.4	34.9	35.7	36.5
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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9
2.5°	807.5	806.7	807.5	806.0	806.0	804.5	802.9	802.2	800.7	799.9	798.4
5°	821.2	818.9	816.6	815.8	812.8	809.8	807.5	803.7	800.7	795.3	793.8
7.5°	830.3	825.0	821.9	821.2	816.6	814.3	809.0	804.5	799.9	793.1	790.8
10°	834.1	828.8	823.4	821.2	815.8	812.0	806.7	799.9	796.1	789.3	787.7
12.5°	838.6	828.8	820.4	814.3	806.7	798.4	793.1	789.3	783.9	780.1	778.6
15°	830.3	817.4	804.5	793.1	780.9	771.8	766.5	760.4	754.3	752.0	752.0
17.5°	807.5	790.8	768.7	754.3	741.4	731.5	724.7	718.6	717.9	714.8	716.3
20°	760.4	738.4	717.1	706.5	698.9	692.8	685.9	682.9	680.6	676.1	674.6
22.5°	695.1	676.8	661.6	654.0	648.0	640.4	634.3	625.2	622.9	618.3	616.1
25°	622.9	608.5	595.6	590.2	586.4	575.8	572.0	559.8	551.5	546.2	549.2
27.5°	550.7	540.1	527.9	521.1	518.8	509.0	505.2	491.5	484.6	484.6	477.0
30°	476.3	466.4	458.8	451.2	449.7	437.5	427.7	422.4	414.8	411.7	406.4
32.5°	406.4	396.5	390.5	386.7	380.6	370.7	360.8	351.7	339.6	335.0	332.7
35°	341.8	334.2	326.6	323.6	315.2	304.6	292.5	284.9	270.4	265.1	262.8
37.5°	292.5	283.3	278.0	269.7	261.3	249.9	240.8	234.0	228.6	226.4	226.4
40°	253.0	246.1	240.0	233.2	226.4	220.3	215.7	214.2	213.5	213.5	215.0
42.5°	223.3	217.3	214.2	210.4	208.1	208.1	207.4	208.1	208.9	209.7	211.9
45°	203.6	199.8	198.3	197.5	199.0	200.5	201.3	202.8	205.9	207.4	208.1
47.5°	192.9	189.9	189.1	189.9	192.2	195.2	198.3	200.5	202.8	203.6	204.3
50°	182.3	178.5	177.0	178.5	181.6	186.1	188.4	192.2	193.7	195.2	193.7
52.5°	173.2	170.2	169.4	169.4	172.4	175.5	178.5	181.6	182.3	182.3	181.6
55°	165.6	163.3	161.0	162.6	164.8	167.9	172.4	174.7	176.2	177.0	177.0
57.5°	159.5	157.2	155.0	156.5	158.8	161.8	166.4	168.6	170.2	172.4	173.2
60°	155.0	151.9	149.6	151.9	154.2	158.8	162.6	164.8	168.6	169.4	169.4
62.5°	150.4	147.4	143.6	145.8	145.8	148.1	151.9	155.0	158.8	160.3	160.3
63°	149.6	146.6	142.8	144.3	144.3	145.8	148.9	151.9	156.5	158.0	157.2
65°	143.6	142.8	139.0	139.0	137.5	139.0	141.3	144.3	146.6	148.9	148.9
67.5°	133.7	132.9	132.2	132.2	132.2	133.7	135.2	137.5	139.8	141.3	140.5
70°	122.3	122.3	122.3	123.1	123.1	124.6	125.3	124.6	126.9	128.4	127.6
72.5°	112.4	111.7	110.9	112.4	111.7	111.7	113.2	112.4	114.7	114.7	115.5
75°	101.8	101.0	101.0	101.8	100.3	98.8	99.5	99.5	100.3	100.3	101.8
77.5°	92.7	92.7	92.7	91.9	90.4	89.6	88.9	88.9	88.9	88.9	89.6
80°	84.3	84.3	84.3	83.6	82.0	80.5	79.0	78.2	77.5	73.7	73.7
82.5°	76.0	76.0	76.0	76.0	75.2	73.7	71.4	65.3	62.3	59.3	60.0
85°	60.0	61.5	63.0	65.3	64.6	64.6	60.0	52.4	47.9	44.8	45.6
87.5°	38.7	34.2	34.2	33.4	31.9	30.4	30.4	25.8	21.3	19.0	19.8
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°	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	796.9	0°
2.5°	798.4	796.9	795.3	795.3	793.1	793.1	791.5	794.6	791.5	789.3	789.3	2.5°
5°	792.3	790.8	786.2	785.5	782.4	782.4	782.4	780.9	780.9	779.4	778.6	5°
7.5°	788.5	784.7	780.9	778.6	778.6	777.1	780.1	778.6	779.4	779.4	780.1	7.5°
10°	785.5	782.4	780.9	780.1	780.1	782.4	784.7	785.5	784.7	785.5	785.5	10°
12.5°	777.9	779.4	780.1	783.2	787.0	791.5	796.9	797.6	799.1	799.1	800.7	12.5°
15°	753.6	757.4	761.9	769.5	779.4	789.3	799.1	807.5	815.1	818.9	821.9	15°
17.5°	719.4	723.2	731.5	739.9	752.8	767.2	783.9	798.4	814.3	828.8	843.2	17.5°
20°	673.0	679.1	681.4	696.6	711.8	731.5	751.3	774.1	801.4	828.8	856.9	20°
22.5°	613.0	619.9	630.5	642.6	658.6	682.9	706.5	742.2	778.6	817.4	861.4	22.5°
25°	546.2	553.8	562.9	575.8	591.8	617.6	651.8	689.7	734.6	785.5	840.2	25°
27.5°	477.0	484.6	492.2	501.4	519.6	546.9	587.2	626.7	676.1	731.5	795.3	27.5°
30°	407.9	408.7	413.2	424.6	443.6	479.3	509.0	558.3	610.0	668.5	742.2	30°
32.5°	332.0	331.2	336.5	346.4	364.6	398.8	435.3	483.1	534.0	607.7	683.7	32.5°
35°	264.4	264.4	274.2	284.1	304.6	328.9	360.8	403.4	463.4	531.7	607.7	35°
37.5°	228.6	234.0	240.0	249.9	265.9	284.9	313.0	350.2	397.3	462.6	532.5	37.5°
40°	217.3	220.3	225.6	234.7	248.4	265.9	286.4	314.5	351.0	403.4	467.2	40°
42.5°	212.7	213.5	216.5	223.3	235.5	253.0	274.2	299.3	326.6	363.9	419.3	42.5°
45°	208.1	207.4	208.9	214.2	224.1	243.8	268.2	295.5	322.8	354.0	399.6	45°
47.5°	204.3	204.3	204.3	206.6	215.7	235.5	263.6	295.5	328.2	363.1	407.9	47.5°
50°	193.7	192.9	192.9	194.5	201.3	222.6	256.0	294.7	337.3	382.9	433.8	50°
52.5°	181.6	181.6	182.3	183.1	189.1	210.4	247.6	294.7	347.9	408.7	472.5	52.5°
55°	177.8	178.5	179.3	178.5	183.1	201.3	238.5	290.2	352.5	429.2	514.3	55°
57.5°	174.7	176.2	176.2	175.5	178.5	193.7	229.4	281.1	348.7	436.8	543.9	57.5°
60°	170.2	170.2	170.2	167.9	169.4	183.1	215.7	266.6	336.5	430.0	548.5	60°
62.5°	160.3	160.3	158.8	158.0	157.2	167.9	197.5	245.4	314.5	411.7	537.1	62.5°
63°	158.0	157.2	157.2	155.0	155.0	164.8	193.7	242.3	308.4	407.2	532.5	63°
65°	149.6	149.6	149.6	148.1	147.4	155.0	178.5	221.1	284.9	385.9	509.7	65°
67.5°	140.5	141.3	139.8	139.0	138.3	142.8	161.0	194.5	248.4	341.1	467.2	67.5°
70°	127.6	128.4	128.4	127.6	126.9	129.9	141.3	167.1	205.9	284.1	398.0	70°
72.5°	116.2	117.7	117.7	119.3	119.3	121.5	126.1	139.0	164.8	221.8	313.0	72.5°
75°	104.1	104.8	106.3	107.9	106.3	105.6	106.3	116.2	129.1	164.1	223.3	75°
77.5°	93.4	95.7	95.7	95.0	92.7	91.2	91.2	95.7	106.3	124.6	159.5	77.5°
80°	77.5	81.3	82.0	79.8	77.5	77.5	79.0	82.0	88.9	102.6	120.8	80°
82.5°	62.3	66.1	66.8	67.6	66.8	69.1	69.1	69.9	73.7	84.3	98.8	82.5°
85°	47.9	50.9	53.2	53.9	54.7	55.5	54.7	50.9	53.2	60.0	66.8	85°
87.5°	21.3	22.0	20.5	21.3	20.5	21.3	22.0	18.2	17.5	23.5	24.3	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°
796.9	796.9	796.9	796.9	796.9	796.9	796.9
788.5	788.5	789.3	787.7	787.7	788.5	786.2
776.3	779.4	779.4	779.4	777.9	779.4	780.1
779.4	781.7	783.2	783.2	782.4	785.5	787.7
783.2	787.0	788.5	788.5	788.5	792.3	797.6
797.6	800.7	802.9	802.9	804.5	809.0	815.1
824.2	828.0	828.0	827.2	831.8	837.1	844.0
853.8	864.5	869.8	869.0	872.8	879.7	887.3
881.9	911.6	924.5	933.6	937.4	946.5	948.8
905.5	954.9	990.6	1020.9	1035.4	1044.5	1055.1
897.1	964.0	1027.8	1090.1	1134.1	1179.0	1197.9
862.9	946.5	1030.1	1121.2	1201.0	1280.7	1338.5
821.2	921.4	1033.9	1163.0	1289.1	1411.4	1508.6
773.3	897.9	1042.2	1201.7	1367.3	1527.6	1668.2
713.3	853.1	1021.7	1205.5	1400.8	1595.2	1777.5
637.3	792.3	973.8	1178.2	1402.3	1624.9	1842.9
561.4	715.6	913.1	1138.7	1382.5	1631.7	1883.9
508.2	647.2	851.5	1088.6	1350.6	1621.1	1903.6
471.7	597.8	796.9	1043.0	1316.4	1602.1	1906.7
468.7	576.6	761.2	1009.6	1289.1	1585.4	1906.7
494.5	588.0	749.0	992.8	1277.7	1580.0	1908.2
543.1	633.5	771.0	1005.8	1286.8	1586.9	1915.0
601.6	702.7	830.3	1050.6	1325.6	1609.7	1930.2
654.8	782.4	931.3	1137.2	1396.2	1667.4	1972.8
685.9	850.8	1038.4	1258.7	1517.0	1782.1	2057.8
689.7	888.8	1133.4	1390.9	1663.6	1913.5	2193.8
686.7	891.8	1145.5	1416.0	1694.7	1946.2	2240.9
670.0	892.6	1179.7	1504.1	1802.6	2083.7	2372.3
627.5	868.3	1191.9	1573.2	1938.6	2264.5	2617.7
553.8	799.1	1156.2	1574.7	1991.0	2365.5	2772.7
445.1	667.7	1002.0	1432.7	1852.7	2266.0	2732.4
325.9	490.7	757.4	1109.8	1511.7	1886.2	2340.4
216.5	317.5	510.5	790.8	1084.0	1357.5	1684.9
148.9	196.7	298.5	475.5	663.2	796.1	1073.4
109.4	129.9	165.6	243.1	319.0	392.7	560.6
68.4	74.4	82.8	120.0	171.7	231.7	349.4
18.2	19.0	17.5	23.5	37.2	35.7	39.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)