

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: P180973

Luminaire Tested: **ICM-F02-LED-E1-SLL**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180973
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-F02-LED-E1-SLL
Description: ICON SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4273.5 lumens
Efficiency: N/A
Efficacy: 77.7 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

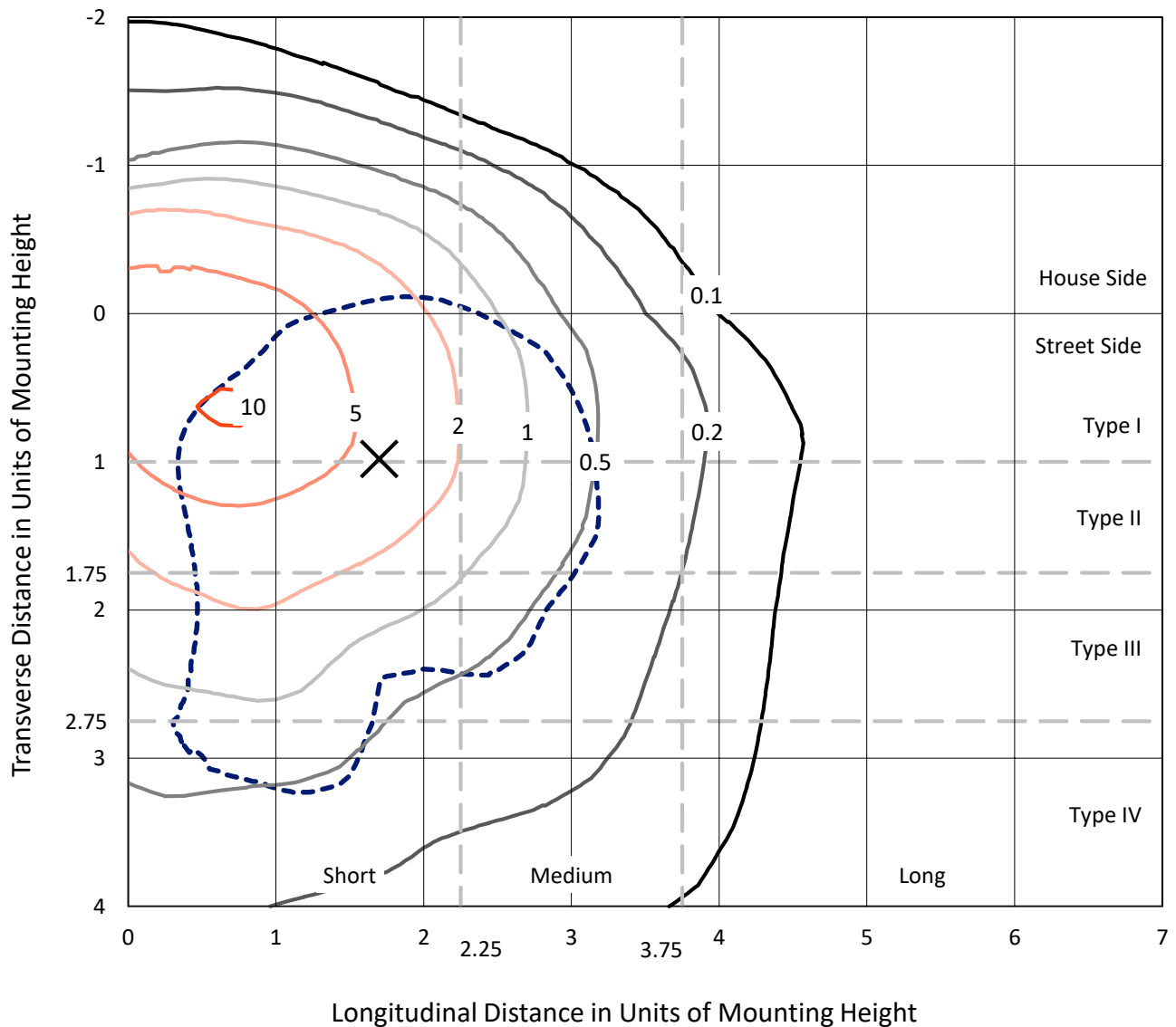
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

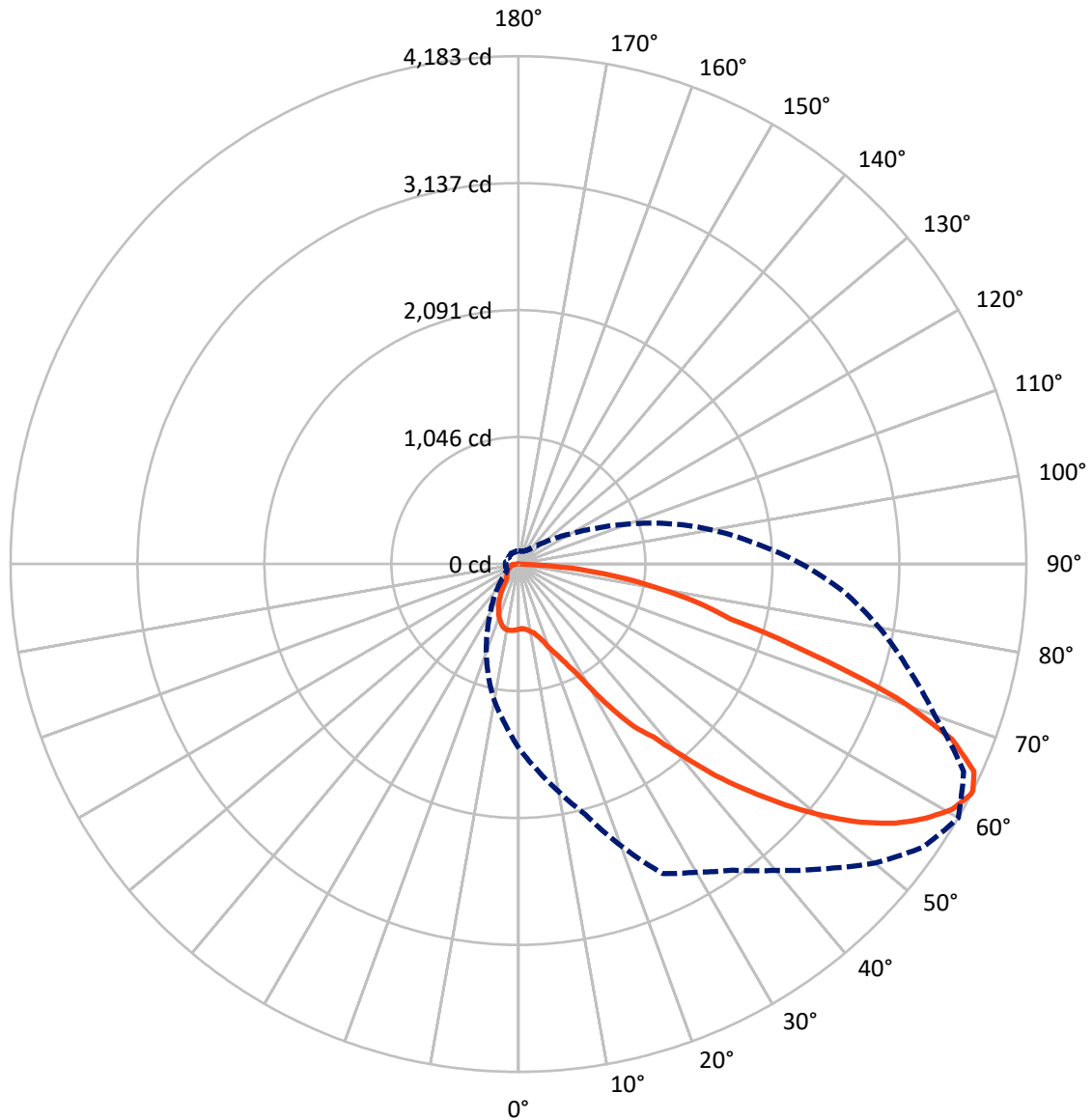
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 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	926.7	0.0	926.7
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	3346.8	0.0	3346.8
	% Fixture	78.3	0.0	78.3
Total	Lumens	4273.5	0.0	4273.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	1.2
10°-20°	162.8	3.8
20°-30°	289.3	6.8
30°-40°	455.5	10.7
40°-50°	670.3	15.7
50°-60°	890.4	20.8
60°-70°	980.8	23.0
70°-80°	615.3	14.4
80°-90°	156.7	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°	4273.5	100.0
0°-180°	4273.5	100.0



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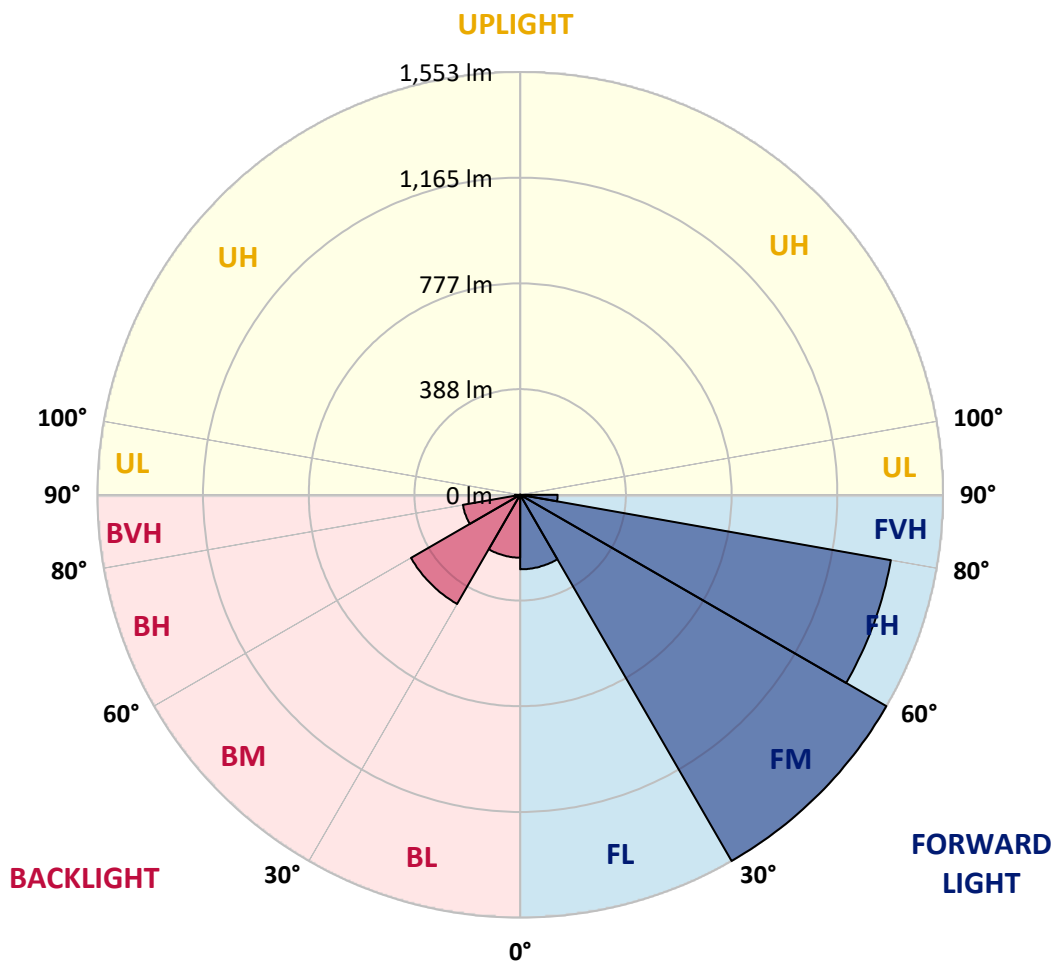
CATALOG NUMBER: ICM-F02-LED-E1-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.6	6.4			
FM	(30°-60°)	1553.1	36.3			
FH	(60°-80°)	1382.5	32.4			G1/1800
FVH	(80°-90°)	137.5	3.2			G2/225
BL	(0°-30°)	230.7	5.4	B1/500		
BM	(30°-60°)	463.2	10.8	B1/1000		
BH	(60°-80°)	213.6	5.0	B1/500		G1/500
BVH	(80°-90°)	19.2	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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	529.9	530.9	530.9	530.4	530.4	531.4	530.9	530.4	528.8	530.9	530.9
5°	525.8	526.8	526.8	527.8	528.8	529.9	529.9	530.9	530.4	532.5	534.0
7.5°	530.9	531.9	534.0	536.6	538.0	541.7	541.7	544.2	545.2	546.8	546.2
10°	537.6	540.1	544.7	548.8	551.9	556.0	559.1	562.6	562.6	564.2	565.2
12.5°	549.3	551.9	557.0	562.1	566.7	571.8	576.5	580.0	583.6	584.7	586.7
15°	568.7	571.8	579.5	586.7	592.4	599.0	605.1	612.3	619.0	620.5	621.5
17.5°	598.0	604.1	609.8	622.5	630.7	639.4	649.1	659.4	661.5	672.2	674.8
20°	639.4	647.1	652.2	668.1	682.0	693.2	707.5	719.3	723.9	734.1	744.4
22.5°	711.1	709.6	717.2	733.1	743.4	765.9	778.1	790.4	796.6	812.0	820.2
25°	807.4	815.5	832.5	834.0	843.7	869.8	885.7	898.0	898.5	903.1	911.8
27.5°	902.1	935.8	962.5	976.8	1002.9	1027.0	1026.0	1043.4	1016.2	1021.9	1030.1
30°	1016.8	1073.0	1123.3	1157.0	1183.6	1211.8	1225.6	1235.4	1223.5	1218.4	1208.8
32.5°	1124.3	1203.1	1280.4	1340.3	1390.0	1436.6	1467.3	1481.1	1497.5	1539.0	1553.8
35°	1198.0	1309.6	1405.9	1492.4	1575.3	1649.5	1703.3	1734.0	1722.2	1716.6	1713.5
37.5°	1242.0	1378.1	1498.5	1620.8	1716.1	1827.2	1910.6	1991.5	2010.0	1977.7	1961.8
40°	1269.7	1430.9	1585.5	1729.9	1853.3	1996.7	2100.0	2221.4	2313.5	2325.8	2287.9
42.5°	1283.0	1466.2	1646.4	1809.8	1976.7	2152.3	2283.4	2430.2	2568.0	2662.7	2639.2
45°	1285.0	1489.3	1691.0	1882.0	2080.6	2288.9	2457.9	2620.7	2805.0	2967.3	2971.9
47.5°	1285.0	1506.7	1721.7	1934.2	2173.8	2407.7	2592.0	2784.6	3010.3	3202.3	3261.1
50°	1286.1	1518.4	1750.3	1975.2	2244.9	2508.1	2716.5	2943.7	3181.3	3390.2	3503.8
52.5°	1290.6	1527.2	1772.9	2004.3	2291.0	2578.7	2813.2	3075.4	3311.8	3526.3	3673.3
55°	1300.8	1539.5	1789.3	2022.2	2321.7	2624.8	2883.4	3165.4	3396.3	3613.9	3819.2
57.5°	1329.6	1560.9	1809.2	2038.1	2338.6	2655.0	2932.5	3204.3	3428.6	3655.4	3896.5
60°	1386.9	1606.5	1843.5	2069.9	2366.8	2710.8	2956.0	3178.3	3405.0	3643.1	3913.9
62.5°	1478.5	1677.7	1891.2	2123.6	2447.2	2797.3	2938.2	3100.4	3312.4	3571.9	3851.9
63°	1510.2	1693.0	1902.0	2135.4	2469.1	2813.2	2930.4	3077.4	3293.4	3549.4	3830.0
65°	1598.8	1761.1	1953.1	2194.8	2559.7	2829.0	2870.5	2957.6	3162.3	3420.9	3699.9
67.5°	1764.2	1926.5	2063.2	2295.1	2636.1	2766.6	2684.7	2695.5	2909.4	3177.2	3428.0
70°	1868.7	2062.2	2133.3	2307.9	2622.2	2674.0	2444.1	2301.8	2473.2	2778.3	2998.0
72.5°	1841.5	2063.7	2056.0	2137.4	2345.8	2393.9	2155.8	1931.6	2033.5	2261.3	2403.6
75°	1577.3	1843.1	1786.7	1770.3	1843.5	1875.3	1696.7	1662.3	1790.8	1917.3	1919.4
77.5°	1135.5	1427.8	1361.8	1267.1	1262.0	1335.2	1359.3	1584.0	1774.0	1873.8	1829.8
80°	723.4	1040.3	971.7	806.3	803.7	899.0	1110.4	1416.1	1617.3	1673.0	1558.4
82.5°	377.9	680.9	707.0	605.1	692.7	850.3	1056.7	1141.1	1217.4	1225.1	1090.0
85°	235.5	418.8	492.5	508.4	625.6	754.1	752.6	722.9	689.1	589.8	533.5
87.5°	26.6	52.7	79.9	75.8	101.9	142.8	178.1	104.5	73.2	26.6	36.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	531.9	532.5	532.9	532.9	535.5	535.0	535.5	536.6	538.0	539.1	540.1
5°	536.0	536.0	538.0	539.6	542.7	544.7	545.8	548.8	552.4	551.4	554.4
7.5°	549.3	548.8	550.9	551.9	554.4	558.0	557.5	560.1	563.2	564.2	566.7
10°	567.3	565.7	565.7	564.7	565.2	564.2	564.2	564.2	566.2	565.7	567.7
12.5°	585.7	585.1	584.1	581.0	581.0	576.9	574.9	572.4	571.8	568.3	568.7
15°	623.5	623.5	621.5	615.4	610.2	606.7	601.6	598.0	592.8	586.2	582.6
17.5°	678.9	671.7	669.1	668.1	659.9	656.8	645.6	633.8	628.2	619.0	613.9
20°	746.4	744.9	734.7	729.5	719.3	704.9	690.6	675.3	666.1	654.8	648.7
22.5°	822.7	811.4	806.3	798.6	782.8	766.4	744.9	724.4	710.1	702.4	697.8
25°	911.8	900.6	895.4	885.2	865.7	848.3	821.7	797.6	784.8	772.0	764.8
27.5°	1030.1	1019.3	1013.1	986.5	979.9	951.3	918.4	885.7	868.7	849.9	837.6
30°	1206.7	1207.2	1175.4	1143.2	1110.0	1060.3	1026.0	989.1	961.5	934.3	907.2
32.5°	1505.1	1428.8	1370.0	1300.8	1228.7	1176.0	1133.5	1089.4	1051.1	1011.6	966.6
35°	1687.5	1650.5	1574.2	1447.8	1375.1	1311.1	1264.0	1210.8	1163.6	1094.1	1025.5
37.5°	1893.2	1807.7	1715.1	1644.9	1562.5	1488.3	1409.4	1349.0	1267.6	1174.0	1076.7
40°	2193.7	2071.4	1959.7	1865.6	1759.1	1681.2	1593.2	1505.7	1397.7	1262.0	1128.4
42.5°	2507.6	2381.1	2233.7	2111.3	1985.9	1894.7	1785.7	1662.8	1504.1	1336.2	1172.9
45°	2836.8	2667.8	2491.2	2341.7	2211.2	2098.0	1962.8	1800.0	1606.5	1402.8	1214.3
47.5°	3161.3	2967.3	2756.9	2596.1	2426.2	2287.9	2122.1	1916.3	1686.4	1465.8	1255.8
50°	3447.6	3260.7	3007.3	2803.0	2630.9	2460.5	2253.6	2005.9	1749.3	1520.0	1293.2
52.5°	3694.3	3533.5	3266.8	3008.8	2810.6	2619.2	2359.6	2078.1	1812.8	1570.1	1323.9
55°	3875.5	3768.5	3522.8	3202.8	2968.9	2740.5	2449.2	2147.6	1872.8	1610.1	1343.9
57.5°	4012.2	3952.9	3741.9	3385.6	3114.3	2858.3	2541.9	2231.1	1932.1	1644.4	1353.1
60°	4086.9	4103.4	3907.7	3545.3	3242.7	2956.6	2634.5	2302.2	1976.2	1664.4	1348.0
62.5°	4079.7	4180.1	4032.2	3643.6	3317.5	3014.9	2696.9	2335.5	1970.0	1632.7	1301.4
63°	4066.0	4182.7	4046.0	3650.3	3322.1	3016.9	2698.5	2330.9	1957.2	1617.3	1283.0
65°	3946.6	4123.8	4034.3	3620.0	3281.1	2978.5	2666.2	2264.4	1867.1	1534.8	1188.3
67.5°	3627.2	3848.9	3823.3	3406.5	3087.1	2819.8	2501.4	2049.9	1644.4	1332.1	1007.0
70°	3099.4	3307.7	3312.4	2962.7	2695.9	2433.9	2169.1	1667.9	1303.4	1032.7	751.1
72.5°	2375.5	2509.6	2556.2	2325.8	2147.2	1962.8	1725.3	1210.8	929.2	702.4	488.9
75°	1839.5	1802.6	1802.1	1704.8	1632.1	1542.1	1280.9	817.1	610.2	456.7	299.0
77.5°	1653.6	1489.8	1331.1	1214.3	1156.0	1125.8	840.1	492.5	359.9	262.6	172.0
80°	1363.8	1122.2	906.7	780.7	730.5	765.4	468.5	266.2	197.1	149.5	111.6
82.5°	940.5	780.7	593.4	491.4	421.9	441.3	239.6	136.2	91.2	83.4	69.1
85°	490.0	429.5	362.4	311.3	274.9	241.7	124.4	65.0	37.9	33.3	30.2
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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	541.7	541.1	542.1	542.7	544.2	545.2	545.8	544.7	546.2	547.8	546.8
5°	556.0	559.5	560.1	561.6	561.6	564.7	564.7	564.7	564.2	564.7	563.6
7.5°	568.3	572.8	573.4	575.4	575.9	579.5	578.0	579.0	579.0	576.5	575.4
10°	569.8	574.4	576.9	579.5	583.1	587.7	587.7	590.3	590.3	588.3	587.7
12.5°	570.3	573.9	576.5	580.0	585.1	591.8	595.4	599.0	600.6	600.0	598.5
15°	581.0	581.0	581.6	584.7	588.3	596.5	601.6	605.7	608.2	607.2	604.7
17.5°	609.2	605.1	602.1	596.9	598.0	602.1	605.1	608.7	609.2	608.2	604.1
20°	642.0	636.8	629.2	621.0	616.9	613.9	611.8	611.8	610.2	605.1	598.5
22.5°	688.6	682.0	671.2	658.9	650.7	640.9	629.2	618.0	605.7	593.4	579.0
25°	753.1	743.9	732.7	713.7	696.3	675.8	651.7	626.6	597.5	571.8	550.9
27.5°	818.1	797.6	768.5	742.3	710.1	679.4	645.0	614.3	576.9	546.2	523.3
30°	871.8	832.9	791.0	749.5	707.0	665.6	624.6	587.7	546.8	515.5	493.0
32.5°	913.3	859.5	801.2	747.0	694.7	644.0	596.9	556.0	514.5	482.2	458.2
35°	951.7	876.9	802.7	735.7	671.2	618.4	565.2	520.7	476.7	442.9	416.7
37.5°	980.4	885.2	793.5	714.7	640.5	581.6	527.4	481.8	436.7	399.8	370.1
40°	998.8	880.1	773.6	684.5	604.1	542.1	486.9	439.8	396.3	355.8	320.0
42.5°	1013.7	873.4	753.6	656.8	575.4	507.8	451.1	400.4	356.3	312.3	272.8
45°	1035.7	878.5	744.9	637.4	549.9	478.7	416.2	363.4	317.4	274.4	236.6
47.5°	1057.2	881.1	732.1	613.3	517.6	448.5	385.0	333.8	286.7	247.3	212.5
50°	1076.7	879.5	712.1	582.6	486.3	418.2	356.8	305.7	259.1	222.7	190.0
52.5°	1085.9	870.8	687.5	552.9	461.3	391.6	329.2	279.5	233.5	199.2	168.9
55°	1084.8	848.3	655.3	524.7	433.6	363.4	302.0	252.9	211.4	179.7	153.6
57.5°	1069.5	813.5	621.0	493.5	397.3	328.7	270.3	222.7	187.9	161.3	139.3
60°	1037.2	768.9	575.9	448.0	351.7	285.7	230.9	190.0	161.8	141.3	127.0
62.5°	976.8	704.9	519.6	384.5	290.2	229.9	182.2	155.6	134.6	122.3	115.7
63°	958.9	687.5	495.5	369.1	275.9	217.0	172.0	144.4	129.0	118.2	112.1
65°	869.8	602.1	414.7	298.0	214.5	167.4	138.2	117.2	108.0	103.4	102.9
67.5°	704.5	473.6	293.4	204.3	145.9	120.8	106.0	97.3	93.2	92.2	93.2
70°	494.5	299.0	186.3	135.6	108.0	97.3	90.6	87.1	84.5	85.0	86.0
72.5°	315.4	179.2	128.0	102.9	91.2	85.5	82.4	81.4	80.9	80.4	80.4
75°	179.7	119.3	98.3	89.1	83.0	78.3	75.8	74.8	75.3	75.8	74.8
77.5°	118.8	98.3	87.5	81.4	75.8	70.6	69.1	68.6	69.6	70.6	70.6
80°	93.7	87.5	81.4	75.3	66.0	62.4	63.4	64.0	63.4	64.0	62.4
82.5°	66.0	65.0	66.5	64.0	54.8	51.7	50.7	51.2	50.1	50.1	49.1
85°	30.7	30.7	32.3	32.3	31.3	31.7	34.3	37.4	38.9	37.4	35.3
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	9.2	13.3	14.3	18.0	17.4
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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	545.2	546.2	545.8	545.2	546.2	545.2	545.8	545.2	545.2	544.7	544.7
5°	562.6	564.2	561.1	560.6	559.5	557.0	557.0	556.0	556.0	554.0	552.4
7.5°	573.9	574.4	571.8	571.4	568.7	566.2	564.2	562.1	561.6	560.1	557.0
10°	584.7	583.6	581.6	579.0	576.5	572.8	570.3	567.7	567.3	564.7	561.1
12.5°	593.9	593.4	589.3	586.7	582.6	579.0	575.9	572.8	571.4	568.3	563.2
15°	600.0	596.9	591.8	587.3	582.6	578.5	574.9	571.4	569.8	566.2	561.1
17.5°	597.5	591.8	585.1	579.5	573.4	568.3	565.2	561.6	559.1	557.0	549.9
20°	588.3	580.0	569.8	563.2	555.0	548.3	546.2	542.7	540.7	532.9	523.7
22.5°	564.2	552.4	539.6	529.9	520.7	514.0	508.8	505.3	500.2	495.5	481.2
25°	534.0	520.7	507.4	495.5	483.3	473.0	463.8	455.2	452.6	442.9	429.0
27.5°	504.7	490.0	476.7	462.8	447.0	434.1	418.2	406.0	397.8	387.5	374.8
30°	473.6	458.7	440.8	422.3	403.9	390.1	372.2	357.3	347.1	336.4	324.6
32.5°	434.1	416.2	394.7	374.2	357.3	340.9	323.1	308.7	298.5	288.7	277.5
35°	389.1	365.5	342.5	320.0	302.0	288.2	272.4	261.6	254.4	245.8	234.0
37.5°	337.4	310.8	286.1	268.7	252.9	239.6	228.4	221.7	214.0	209.4	202.2
40°	285.1	259.1	235.0	219.1	205.8	198.1	192.0	190.4	185.3	179.2	174.6
42.5°	239.1	214.0	190.4	177.7	168.9	166.9	163.8	163.8	161.3	156.7	153.6
45°	207.8	181.8	161.3	152.1	147.4	147.0	145.4	145.4	144.8	142.8	139.3
47.5°	185.3	161.8	145.9	140.3	139.3	138.2	136.7	136.2	135.6	134.1	132.1
50°	164.8	144.8	134.6	132.1	132.6	131.1	129.5	128.0	127.4	126.0	123.9
52.5°	145.9	131.5	124.9	123.3	123.3	123.3	122.3	122.3	121.3	120.8	118.8
55°	135.2	124.4	120.8	120.3	119.8	119.3	118.2	118.2	117.2	116.7	114.1
57.5°	126.0	119.3	117.2	116.2	115.7	114.7	114.1	114.1	114.1	114.1	111.1
60°	118.8	115.7	115.2	114.1	113.7	111.6	110.6	110.0	110.6	111.1	108.0
62.5°	111.1	110.6	110.0	109.0	108.6	106.5	104.9	103.9	104.9	106.0	105.5
63°	109.0	108.6	108.6	108.0	107.5	104.9	103.4	102.4	103.4	104.5	104.5
65°	101.9	102.4	102.4	101.9	101.4	99.8	97.8	96.7	97.3	98.8	99.3
67.5°	94.2	94.7	94.2	94.7	94.2	93.2	91.6	90.6	90.1	90.6	91.2
70°	87.1	88.1	87.5	87.1	86.5	86.5	85.5	84.0	83.4	83.0	83.0
72.5°	80.9	80.9	79.9	79.9	79.3	79.3	78.3	76.8	76.3	76.3	75.3
75°	74.2	74.2	72.7	72.7	71.6	72.2	71.2	69.6	69.1	69.1	68.6
77.5°	70.1	68.6	66.0	65.5	65.0	65.0	64.5	63.0	62.4	62.4	62.0
80°	62.0	58.9	56.3	55.8	56.3	57.3	57.3	56.3	56.3	56.3	56.3
82.5°	48.1	47.1	45.6	44.6	44.6	46.0	48.1	49.1	50.1	51.2	51.2
85°	35.3	35.8	35.3	33.8	33.3	34.8	36.8	38.9	39.4	41.5	40.9
87.5°	19.0	19.4	18.0	17.4	19.0	20.0	22.0	22.5	23.5	24.1	24.6
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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
2.5°	544.2	543.7	544.2	543.2	543.2	542.1	541.1	540.7	539.6	539.1	538.0
5°	553.4	551.9	550.3	549.9	547.8	545.8	544.2	541.7	539.6	536.0	535.0
7.5°	559.5	556.0	554.0	553.4	550.3	548.8	545.2	542.1	539.1	534.5	532.9
10°	562.1	558.5	555.0	553.4	549.9	547.3	543.7	539.1	536.6	531.9	530.9
12.5°	565.2	558.5	552.9	548.8	543.7	538.0	534.5	531.9	528.4	525.8	524.7
15°	559.5	550.9	542.1	534.5	526.3	520.2	516.6	512.5	508.4	506.8	506.8
17.5°	544.2	532.9	518.1	508.4	499.6	493.0	488.4	484.3	483.8	481.8	482.8
20°	512.5	497.6	483.3	476.1	471.0	466.9	462.3	460.3	458.7	455.6	454.6
22.5°	468.5	456.2	446.0	440.8	436.7	431.5	427.4	421.3	419.8	416.7	415.2
25°	419.8	410.0	401.4	397.8	395.3	388.1	385.5	377.3	371.7	368.1	370.1
27.5°	371.2	364.0	355.8	351.2	349.7	343.0	340.5	331.3	326.6	326.6	321.5
30°	321.0	314.3	309.2	304.1	303.1	294.9	288.2	284.7	279.5	277.5	273.9
32.5°	273.9	267.3	263.2	260.6	256.5	249.9	243.2	237.0	228.8	225.8	224.3
35°	230.4	225.3	220.2	218.0	212.5	205.3	197.1	192.0	182.2	178.7	177.1
37.5°	197.1	191.0	187.3	181.8	176.1	168.5	162.3	157.7	154.1	152.6	152.6
40°	170.5	165.9	161.8	157.2	152.6	148.5	145.4	144.4	143.8	143.8	144.8
42.5°	150.5	146.4	144.4	141.8	140.3	140.3	139.7	140.3	140.7	141.3	142.8
45°	137.2	134.6	133.6	133.1	134.1	135.2	135.6	136.7	138.7	139.7	140.3
47.5°	130.0	128.0	127.4	128.0	129.5	131.5	133.6	135.2	136.7	137.2	137.7
50°	122.9	120.3	119.3	120.3	122.3	125.4	127.0	129.5	130.5	131.5	130.5
52.5°	116.7	114.7	114.1	114.1	116.2	118.2	120.3	122.3	122.9	122.9	122.3
55°	111.6	110.0	108.6	109.6	111.1	113.1	116.2	117.8	118.8	119.3	119.3
57.5°	107.5	106.0	104.5	105.5	107.0	109.0	112.1	113.7	114.7	116.2	116.7
60°	104.5	102.4	100.8	102.4	103.9	107.0	109.6	111.1	113.7	114.1	114.1
62.5°	101.4	99.3	96.7	98.3	98.3	99.8	102.4	104.5	107.0	108.0	108.0
63°	100.8	98.8	96.3	97.3	97.3	98.3	100.4	102.4	105.5	106.5	106.0
65°	96.7	96.3	93.7	93.7	92.7	93.7	95.3	97.3	98.8	100.4	100.4
67.5°	90.1	89.6	89.1	89.1	89.1	90.1	91.2	92.7	94.2	95.3	94.7
70°	82.4	82.4	82.4	83.0	83.0	84.0	84.5	84.0	85.5	86.5	86.0
72.5°	75.8	75.3	74.8	75.8	75.3	75.3	76.3	75.8	77.3	77.3	77.9
75°	68.6	68.1	68.1	68.6	67.5	66.5	67.1	67.1	67.5	67.5	68.6
77.5°	62.4	62.4	62.4	62.0	60.9	60.4	59.9	59.9	59.9	59.9	60.4
80°	56.8	56.8	56.8	56.3	55.3	54.2	53.2	52.7	52.2	49.7	49.7
82.5°	51.2	51.2	51.2	51.2	50.7	49.7	48.1	44.0	42.0	39.9	40.5
85°	40.5	41.5	42.5	44.0	43.5	43.5	40.5	35.3	32.3	30.2	30.7
87.5°	26.1	23.1	23.1	22.5	21.5	20.5	20.5	17.4	14.3	12.8	13.3
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°	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	0°
2.5°	538.0	537.0	536.0	536.0	534.5	534.5	533.5	535.5	533.5	531.9	531.9	2.5°
5°	534.0	532.9	529.9	529.4	527.4	527.4	527.4	526.3	526.3	525.3	524.7	5°
7.5°	531.4	528.8	526.3	524.7	524.7	523.7	525.8	524.7	525.3	525.3	525.8	7.5°
10°	529.4	527.4	526.3	525.8	525.8	527.4	528.8	529.4	528.8	529.4	529.4	10°
12.5°	524.3	525.3	525.8	527.8	530.4	533.5	537.0	537.6	538.6	538.6	539.6	12.5°
15°	507.8	510.4	513.5	518.6	525.3	531.9	538.6	544.2	549.3	551.9	554.0	15°
17.5°	484.8	487.4	493.0	498.6	507.4	517.1	528.4	538.0	548.8	558.5	568.3	17.5°
20°	453.6	457.7	459.3	469.5	479.7	493.0	506.3	521.7	540.1	558.5	577.5	20°
22.5°	413.1	417.8	424.9	433.1	443.9	460.3	476.1	500.2	524.7	550.9	580.6	22.5°
25°	368.1	373.2	379.4	388.1	398.8	416.2	439.3	464.8	495.1	529.4	566.2	25°
27.5°	321.5	326.6	331.7	337.9	350.1	368.7	395.7	422.3	455.6	493.0	536.0	27.5°
30°	274.9	275.4	278.5	286.1	299.0	323.1	343.0	376.3	411.1	450.5	500.2	30°
32.5°	223.7	223.3	226.8	233.5	245.8	268.7	293.4	325.6	359.9	409.6	460.7	32.5°
35°	178.1	178.1	184.8	191.4	205.3	221.7	243.2	271.8	312.3	358.3	409.6	35°
37.5°	154.1	157.7	161.8	168.5	179.2	192.0	210.9	236.0	267.7	311.8	358.9	37.5°
40°	146.4	148.5	152.1	158.2	167.4	179.2	193.0	211.9	236.6	271.8	314.9	40°
42.5°	143.3	143.8	145.9	150.5	158.7	170.5	184.8	201.7	220.2	245.2	282.6	42.5°
45°	140.3	139.7	140.7	144.4	151.1	164.4	180.7	199.2	217.6	238.6	269.3	45°
47.5°	137.7	137.7	137.7	139.3	145.4	158.7	177.7	199.2	221.2	244.7	274.9	47.5°
50°	130.5	130.0	130.0	131.1	135.6	150.0	172.6	198.6	227.4	258.0	292.3	50°
52.5°	122.3	122.3	122.9	123.3	127.4	141.8	166.9	198.6	234.5	275.4	318.4	52.5°
55°	119.8	120.3	120.8	120.3	123.3	135.6	160.7	195.5	237.6	289.2	346.6	55°
57.5°	117.8	118.8	118.8	118.2	120.3	130.5	154.6	189.4	235.0	294.4	366.6	57.5°
60°	114.7	114.7	114.7	113.1	114.1	123.3	145.4	179.7	226.8	289.8	369.7	60°
62.5°	108.0	108.0	107.0	106.5	106.0	113.1	133.1	165.4	211.9	277.5	362.0	62.5°
63°	106.5	106.0	106.0	104.5	104.5	111.1	130.5	163.3	207.8	274.4	358.9	63°
65°	100.8	100.8	100.8	99.8	99.3	104.5	120.3	149.0	192.0	260.1	343.5	65°
67.5°	94.7	95.3	94.2	93.7	93.2	96.3	108.6	131.1	167.4	229.9	314.9	67.5°
70°	86.0	86.5	86.5	86.0	85.5	87.5	95.3	112.7	138.7	191.4	268.3	70°
72.5°	78.3	79.3	79.3	80.4	80.4	82.0	85.0	93.7	111.1	149.5	210.9	72.5°
75°	70.1	70.6	71.6	72.7	71.6	71.2	71.6	78.3	87.1	110.6	150.5	75°
77.5°	63.0	64.5	64.5	64.0	62.4	61.4	61.4	64.5	71.6	84.0	107.5	77.5°
80°	52.2	54.8	55.3	53.8	52.2	52.2	53.2	55.3	59.9	69.1	81.4	80°
82.5°	42.0	44.6	45.0	45.6	45.0	46.6	46.6	47.1	49.7	56.8	66.5	82.5°
85°	32.3	34.3	35.8	36.4	36.8	37.4	36.8	34.3	35.8	40.5	45.0	85°
87.5°	14.3	14.9	13.9	14.3	13.9	14.3	14.9	12.3	11.8	15.9	16.4	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°
537.0	537.0	537.0	537.0	537.0	537.0	537.0
531.4	531.4	531.9	530.9	530.9	531.4	529.9
523.3	525.3	525.3	525.3	524.3	525.3	525.8
525.3	526.8	527.8	527.8	527.4	529.4	530.9
527.8	530.4	531.4	531.4	531.4	534.0	537.6
537.6	539.6	541.1	541.1	542.1	545.2	549.3
555.4	558.0	558.0	557.5	560.6	564.2	568.7
575.4	582.6	586.2	585.7	588.3	592.8	598.0
594.4	614.3	623.1	629.2	631.7	637.9	639.4
610.2	643.5	667.6	688.1	697.8	703.9	711.1
604.7	649.7	692.7	734.7	764.4	794.5	807.4
581.6	637.9	694.2	755.6	809.4	863.2	902.1
553.4	621.0	696.7	783.8	868.7	951.3	1016.8
521.2	605.1	702.4	810.0	921.5	1029.6	1124.3
480.7	574.9	688.6	812.5	944.0	1075.1	1198.0
429.5	534.0	656.3	794.1	945.0	1095.1	1242.0
378.3	482.2	615.4	767.4	931.7	1099.7	1269.7
342.5	436.2	573.9	733.7	910.2	1092.5	1283.0
318.0	402.9	537.0	702.9	887.3	1079.7	1285.0
315.9	388.6	513.0	680.4	868.7	1068.5	1285.0
333.3	396.3	504.7	669.1	861.1	1064.8	1286.1
366.0	427.0	519.6	677.9	867.3	1069.5	1290.6
405.5	473.6	559.5	708.0	893.4	1084.8	1300.8
441.3	527.4	627.6	766.4	940.9	1123.7	1329.6
462.3	573.4	699.8	848.3	1022.3	1201.0	1386.9
464.8	599.0	763.8	937.4	1121.2	1289.6	1478.5
462.8	601.0	772.0	954.3	1142.1	1311.6	1510.2
451.5	601.6	795.1	1013.7	1214.9	1404.3	1598.8
422.9	585.1	803.3	1060.3	1306.5	1526.1	1764.2
373.2	538.6	779.2	1061.3	1341.9	1594.2	1868.7
300.0	450.0	675.3	965.6	1248.7	1527.2	1841.5
219.6	330.7	510.4	748.0	1018.8	1271.2	1577.3
145.9	214.0	344.0	532.9	730.5	914.9	1135.5
100.4	132.6	201.2	320.5	447.0	536.6	723.4
73.8	87.5	111.6	163.8	215.0	264.7	377.9
46.0	50.1	55.8	80.9	115.7	156.2	235.5
12.3	12.8	11.8	15.9	25.1	24.1	26.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)