

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: P180966

Luminaire Tested: **ICM-E02-LED-E1-SLL-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180966  
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-E02-LED-E1-SLL-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (42) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4369.1 lumens  
Efficiency: N/A  
Efficacy: 83.9 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): 52.1  
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

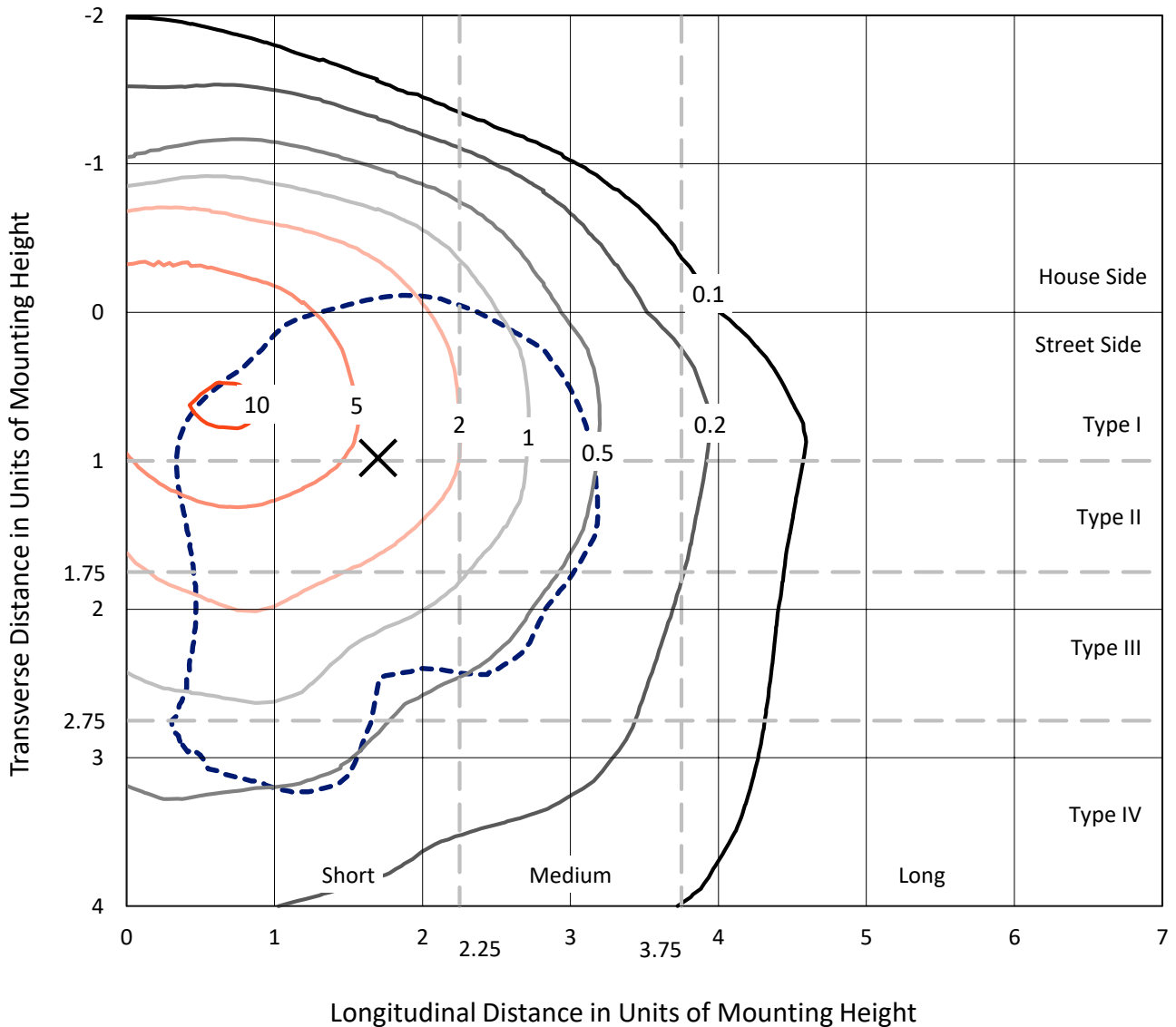


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### Iso-Footcandle Lines of Horizontal Illumination

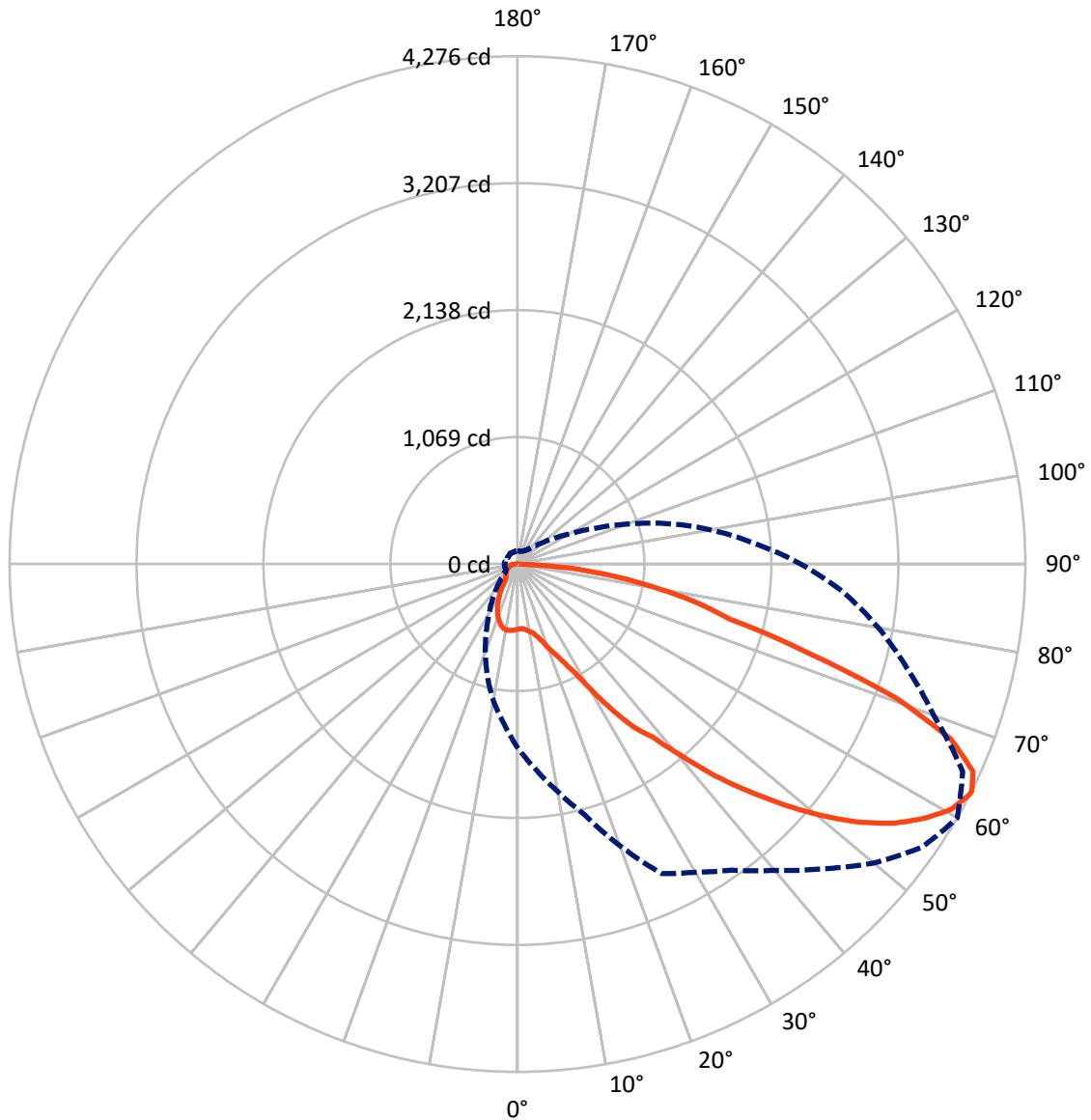
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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
<b>House Side</b>	Lumens	947.4	0.0	947.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	3421.7	0.0	3421.7
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	4369.1	0.0	4369.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.4	1.2
10°-20°	166.5	3.8
20°-30°	295.7	6.8
30°-40°	465.7	10.7
40°-50°	685.3	15.7
50°-60°	910.3	20.8
60°-70°	1002.7	23.0
70°-80°	629.1	14.4
80°-90°	160.2	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°	4369.1	100.0
0°-180°	4369.1	100.0



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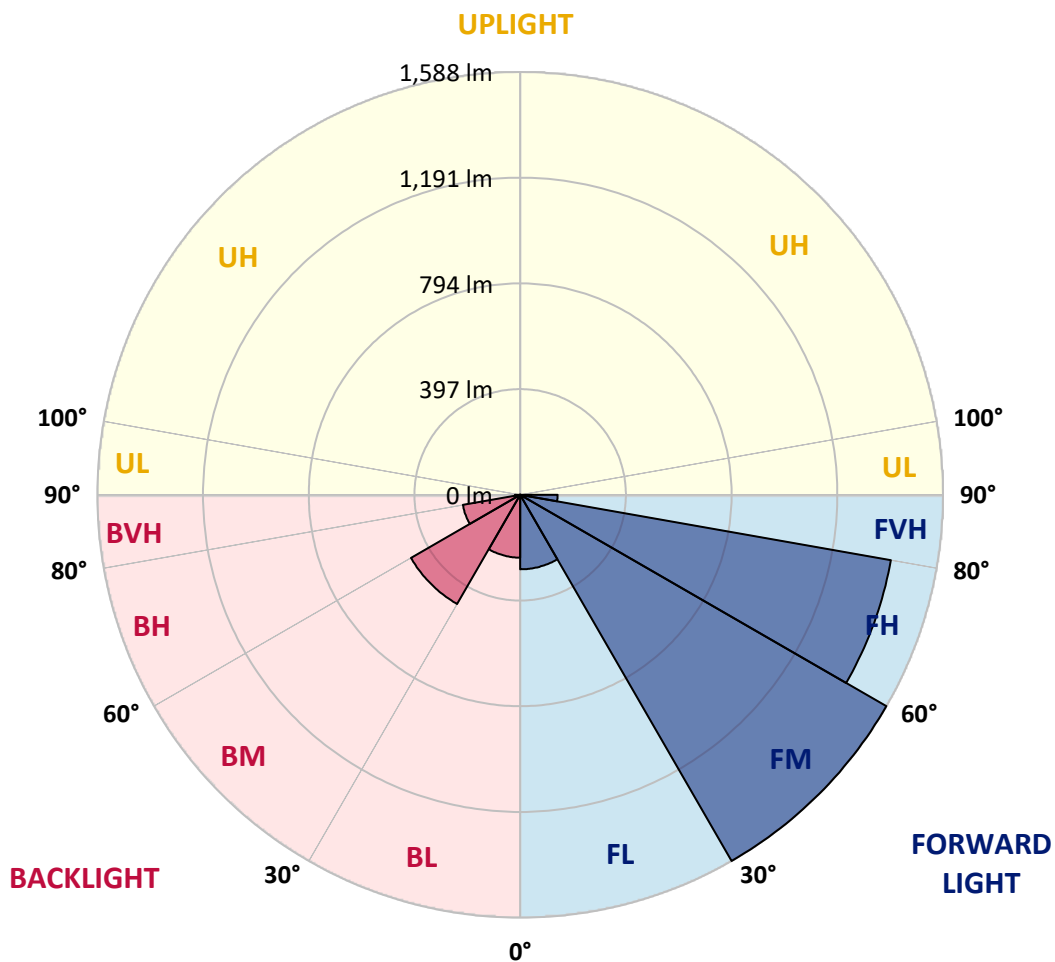
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	279.8	6.4			
FM (30°-60°)	1587.8	36.3			
FH (60°-80°)	1413.5	32.4			G1/1800
FVH (80°-90°)	140.6	3.2			G2/225
BL (0°-30°)	235.9	5.4	B1/500		
BM (30°-60°)	473.5	10.8	B1/1000		
BH (60°-80°)	218.4	5.0	B1/500		G1/500
BVH (80°-90°)	19.6	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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	541.8	542.8	542.8	542.2	542.2	543.3	542.8	542.2	540.7	542.8	542.8
5°	537.6	538.6	538.6	539.6	540.7	541.8	541.8	542.8	542.2	544.4	546.0
7.5°	542.8	543.8	546.0	548.6	550.1	553.8	553.8	556.4	557.4	559.0	558.5
10°	549.6	552.2	556.9	561.1	564.2	568.4	571.5	575.3	575.3	576.8	577.9
12.5°	561.6	564.2	569.5	574.7	579.4	584.7	589.4	593.0	596.7	597.8	599.8
15°	581.5	584.7	592.5	599.8	605.6	612.4	618.7	626.0	632.8	634.3	635.4
17.5°	611.4	617.6	623.4	636.5	644.8	653.8	663.7	674.1	676.3	687.3	689.9
20°	653.8	661.6	666.8	683.1	697.2	708.7	723.4	735.4	740.1	750.6	761.0
22.5°	727.0	725.4	733.3	749.5	760.0	783.0	795.5	808.1	814.4	830.1	838.5
25°	825.4	833.8	851.1	852.7	862.6	889.3	905.5	918.1	918.6	923.3	932.2
27.5°	922.2	956.8	984.0	998.7	1025.4	1050.0	1048.9	1066.7	1039.0	1044.8	1053.1
30°	1039.4	1097.0	1148.4	1182.9	1210.1	1238.9	1253.0	1263.0	1251.0	1245.7	1235.7
32.5°	1149.4	1230.1	1309.0	1370.2	1421.0	1468.7	1500.1	1514.2	1531.0	1573.4	1588.6
35°	1224.8	1338.9	1437.3	1525.8	1610.5	1686.4	1741.4	1772.8	1760.8	1755.0	1751.8
37.5°	1269.8	1409.0	1532.0	1657.1	1754.4	1868.0	1953.3	2036.0	2054.9	2022.0	2005.7
40°	1298.1	1462.9	1621.0	1768.6	1894.7	2041.3	2147.0	2271.1	2365.3	2377.9	2339.1
42.5°	1311.6	1499.1	1683.3	1850.2	2020.8	2200.4	2334.4	2484.6	2625.4	2722.2	2698.2
45°	1313.8	1522.6	1728.8	1924.0	2127.2	2340.2	2512.9	2679.4	2867.7	3033.7	3038.3
47.5°	1313.8	1540.4	1760.2	1977.4	2222.4	2461.6	2650.1	2846.8	3077.6	3273.9	3334.1
50°	1314.8	1552.5	1789.5	2019.3	2295.2	2564.2	2777.2	3009.6	3252.5	3466.0	3582.2
52.5°	1319.5	1561.3	1812.6	2049.1	2342.2	2636.4	2876.1	3144.1	3386.0	3605.2	3755.5
55°	1330.0	1573.9	1829.3	2067.5	2373.7	2683.6	2947.8	3236.2	3472.3	3694.7	3904.6
57.5°	1359.3	1595.9	1849.7	2083.7	2390.9	2714.4	2998.1	3276.0	3505.2	3737.1	3983.7
60°	1417.9	1642.4	1884.8	2116.1	2419.7	2771.5	3022.2	3249.3	3481.2	3724.6	4001.4
62.5°	1511.6	1715.2	1933.5	2171.1	2501.9	2859.9	3003.8	3169.8	3386.4	3651.8	3938.2
63°	1544.0	1730.9	1944.5	2183.2	2524.4	2876.1	2996.0	3146.3	3367.1	3628.8	3915.7
65°	1634.6	1800.6	1996.8	2243.8	2617.0	2892.4	2934.7	3023.7	3233.1	3497.4	3782.6
67.5°	1803.6	1969.6	2109.3	2346.4	2695.0	2828.5	2744.8	2755.7	2974.5	3248.3	3504.8
70°	1910.4	2108.3	2181.0	2359.5	2680.9	2733.8	2498.7	2353.2	2528.6	2840.6	3065.0
72.5°	1882.7	2109.9	2102.0	2185.2	2398.2	2447.5	2204.1	1974.8	2079.0	2311.9	2457.4
75°	1612.7	1884.3	1826.7	1810.0	1884.8	1917.2	1734.6	1699.5	1830.9	1960.2	1962.2
77.5°	1160.9	1459.8	1392.3	1295.4	1290.2	1365.0	1389.7	1619.5	1813.6	1915.6	1870.6
80°	739.5	1063.5	993.4	824.4	821.8	919.1	1135.3	1447.7	1653.4	1710.5	1593.2
82.5°	386.2	696.1	722.8	618.7	708.2	869.4	1080.3	1166.7	1244.7	1252.5	1114.3
85°	240.7	428.2	503.5	519.7	639.6	771.0	769.4	739.1	704.5	603.0	545.4
87.5°	27.3	54.0	81.7	77.5	104.2	146.0	182.1	106.8	74.9	27.3	37.7
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	543.8	544.4	544.8	544.8	547.4	547.0	547.4	548.6	550.1	551.2	552.2
5°	548.0	548.0	550.1	551.6	554.8	556.9	558.0	561.1	564.7	563.7	566.9
7.5°	561.6	561.1	563.2	564.2	566.9	570.5	570.0	572.7	575.7	576.8	579.4
10°	579.9	578.3	578.3	577.3	577.9	576.8	576.8	576.8	578.9	578.3	580.5
12.5°	598.8	598.2	597.2	594.1	594.1	589.9	587.8	585.2	584.7	581.0	581.5
15°	637.5	637.5	635.4	629.1	623.9	620.3	615.0	611.4	606.1	599.3	595.6
17.5°	694.1	686.7	684.1	683.1	674.7	671.5	660.0	648.0	642.2	632.8	627.5
20°	763.2	761.6	751.1	745.9	735.4	720.7	706.1	690.3	680.9	669.4	663.2
22.5°	841.1	829.6	824.4	816.6	800.3	783.5	761.6	740.7	726.0	718.1	713.4
25°	932.2	920.7	915.4	904.9	885.1	867.3	840.1	815.4	802.4	789.3	782.0
27.5°	1053.1	1042.1	1035.8	1008.6	1001.8	972.5	939.0	905.5	888.2	868.8	856.3
30°	1233.7	1234.2	1201.8	1168.8	1134.7	1084.0	1048.9	1011.3	983.0	955.3	927.4
32.5°	1538.8	1460.8	1400.7	1330.0	1256.2	1202.2	1158.8	1113.8	1074.5	1034.2	988.2
35°	1725.1	1687.5	1609.5	1480.2	1405.9	1340.5	1292.3	1237.9	1189.7	1118.5	1048.4
37.5°	1935.5	1848.2	1753.4	1681.7	1597.4	1521.6	1440.9	1379.2	1295.9	1200.2	1100.8
40°	2242.8	2117.7	2003.6	1907.3	1798.4	1718.9	1628.8	1539.4	1428.9	1290.2	1153.6
42.5°	2563.6	2434.3	2283.6	2158.5	2030.3	1937.1	1825.7	1700.0	1537.8	1366.1	1199.2
45°	2900.2	2727.5	2546.9	2394.1	2260.6	2144.9	2006.7	1840.3	1642.4	1434.1	1241.5
47.5°	3232.0	3033.7	2818.5	2654.2	2480.4	2339.1	2169.5	1959.1	1724.1	1498.5	1283.9
50°	3524.7	3333.6	3074.5	2865.7	2689.8	2515.5	2304.0	2050.7	1788.5	1554.0	1322.1
52.5°	3777.0	3612.6	3339.8	3076.1	2873.5	2677.8	2412.4	2124.5	1853.4	1605.3	1353.5
55°	3962.2	3852.8	3601.6	3274.4	3035.3	2801.8	2504.0	2195.7	1914.6	1646.1	1374.0
57.5°	4102.0	4041.2	3825.6	3461.3	3183.9	2922.2	2598.7	2281.0	1975.4	1681.2	1383.4
60°	4178.4	4195.1	3995.2	3624.6	3315.3	3022.7	2693.5	2353.8	2020.4	1701.6	1378.1
62.5°	4171.0	4273.6	4122.4	3725.1	3391.6	3082.3	2757.3	2387.8	2014.1	1669.1	1330.5
63°	4157.0	4276.2	4136.5	3731.9	3396.4	3084.5	2758.9	2383.1	2001.0	1653.4	1311.6
65°	4035.0	4216.0	4124.5	3701.0	3354.5	3045.2	2725.9	2315.0	1908.8	1569.2	1214.8
67.5°	3708.4	3935.0	3908.8	3482.7	3156.1	2882.9	2557.4	2095.7	1681.2	1361.9	1029.6
70°	3168.7	3381.8	3386.4	3028.9	2756.3	2488.3	2217.7	1705.2	1332.6	1055.7	767.8
72.5°	2428.6	2565.8	2613.4	2377.9	2195.2	2006.7	1763.9	1237.9	950.0	718.1	499.8
75°	1880.6	1842.9	1842.4	1743.0	1668.7	1576.5	1309.6	835.4	623.9	466.9	305.7
77.5°	1690.6	1523.1	1360.8	1241.5	1181.9	1151.0	858.9	503.5	368.0	268.5	175.9
80°	1394.3	1147.4	927.0	798.2	746.9	782.5	478.9	272.2	201.5	152.8	114.1
82.5°	961.5	798.2	606.6	502.5	431.3	451.2	244.9	139.3	93.2	85.3	70.7
85°	500.9	439.2	370.6	318.2	281.0	247.1	127.2	66.5	38.7	34.0	30.9
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	553.8	553.2	554.3	554.8	556.4	557.4	558.0	556.9	558.5	560.0	559.0
5°	568.4	572.1	572.7	574.1	574.1	577.3	577.3	577.3	576.8	577.3	576.3
7.5°	581.0	585.7	586.2	588.3	588.8	592.5	590.9	592.0	592.0	589.4	588.3
10°	582.5	587.3	589.9	592.5	596.2	600.8	600.8	603.4	603.4	601.4	600.8
12.5°	583.1	586.7	589.4	593.0	598.2	605.0	608.7	612.4	614.0	613.4	611.9
15°	594.1	594.1	594.6	597.8	601.4	609.8	615.0	619.2	621.8	620.7	618.1
17.5°	622.9	618.7	615.5	610.3	611.4	615.5	618.7	622.3	622.9	621.8	617.6
20°	656.4	651.1	643.3	634.9	630.7	627.5	625.5	625.5	623.9	618.7	611.9
22.5°	704.0	697.2	686.1	673.6	665.2	655.4	643.3	631.7	619.2	606.6	592.0
25°	770.0	760.5	749.0	729.6	711.8	690.9	666.3	640.7	610.8	584.7	563.2
27.5°	836.4	815.4	785.7	759.0	726.0	694.6	659.5	628.1	589.9	558.5	534.9
30°	891.4	851.5	808.7	766.2	722.8	680.5	638.5	600.8	559.0	527.1	504.0
32.5°	933.8	878.8	819.2	763.6	710.2	658.4	610.3	568.4	526.0	493.0	468.5
35°	973.0	896.6	820.7	752.1	686.1	632.3	577.9	532.3	487.3	452.7	426.0
37.5°	1002.3	904.9	811.3	730.7	654.8	594.6	539.1	492.6	446.4	408.7	378.4
40°	1021.2	899.7	790.9	699.8	617.6	554.3	497.8	449.6	405.1	363.7	327.2
42.5°	1036.4	892.9	770.4	671.5	588.3	519.3	461.1	409.3	364.3	319.3	279.0
45°	1058.9	898.1	761.6	651.6	562.1	489.4	425.5	371.6	324.5	280.6	241.8
47.5°	1080.8	900.7	748.5	627.1	529.1	458.5	393.6	341.3	293.1	252.8	217.2
50°	1100.8	899.3	728.1	595.6	497.2	427.6	364.8	312.5	264.8	227.7	194.1
52.5°	1110.1	890.3	703.0	565.3	471.6	400.4	336.6	285.8	238.7	203.6	172.7
55°	1109.1	867.3	670.0	536.5	443.4	371.6	308.8	258.6	216.2	183.7	157.0
57.5°	1093.4	831.7	634.9	504.6	406.1	336.0	276.4	227.7	192.1	164.8	142.3
60°	1060.5	786.1	588.8	458.0	359.5	292.1	236.1	194.1	165.4	144.5	129.8
62.5°	998.7	720.7	531.3	393.1	296.7	235.0	186.3	159.1	137.7	125.1	118.3
63°	980.4	703.0	506.7	377.4	282.1	222.0	175.9	147.6	131.9	120.9	114.6
65°	889.3	615.5	424.0	304.7	219.4	171.2	141.3	119.8	110.4	105.8	105.2
67.5°	720.2	484.2	299.9	208.8	149.2	123.5	108.4	99.4	95.3	94.2	95.3
70°	505.6	305.7	190.5	138.7	110.4	99.4	92.7	89.0	86.3	86.9	87.9
72.5°	322.4	183.2	130.9	105.2	93.2	87.4	84.3	83.3	82.7	82.1	82.1
75°	183.7	122.0	100.5	91.1	84.8	80.1	77.5	76.4	76.9	77.5	76.4
77.5°	121.4	100.5	89.5	83.3	77.5	72.2	70.7	70.1	71.2	72.2	72.2
80°	95.8	89.5	83.3	76.9	67.5	63.8	64.9	65.4	64.9	65.4	63.8
82.5°	67.5	66.5	68.0	65.4	56.0	52.8	51.8	52.4	51.3	51.3	50.2
85°	31.4	31.4	32.9	32.9	31.9	32.5	35.1	38.2	39.8	38.2	36.1
87.5°	0.0	0.0	0.0	0.0	0.0	4.7	9.4	13.6	14.7	18.3	17.8
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	557.4	558.5	558.0	557.4	558.5	557.4	558.0	557.4	557.4	556.9	556.9
5°	575.3	576.8	573.7	573.1	572.1	569.5	569.5	568.4	568.4	566.3	564.7
7.5°	586.7	587.3	584.7	584.1	581.5	578.9	576.8	574.7	574.1	572.7	569.5
10°	597.8	596.7	594.6	592.0	589.4	585.7	583.1	580.5	579.9	577.3	573.7
12.5°	607.2	606.6	602.4	599.8	595.6	592.0	588.8	585.7	584.1	581.0	575.7
15°	613.4	610.3	605.0	600.4	595.6	591.4	587.8	584.1	582.5	578.9	573.7
17.5°	610.8	605.0	598.2	592.5	586.2	581.0	577.9	574.1	571.5	569.5	562.1
20°	601.4	593.0	582.5	575.7	567.4	560.6	558.5	554.8	552.7	544.8	535.4
22.5°	576.8	564.7	551.6	541.8	532.3	525.5	520.3	516.6	511.4	506.7	492.0
25°	546.0	532.3	518.7	506.7	494.1	483.6	474.2	465.3	462.7	452.7	438.6
27.5°	516.1	500.9	487.3	473.1	456.9	443.8	427.6	415.1	406.7	396.2	383.2
30°	484.2	468.9	450.7	431.8	412.9	398.8	380.6	365.3	354.9	343.9	331.8
32.5°	443.8	425.5	403.5	382.6	365.3	348.6	330.2	315.6	305.1	295.2	283.7
35°	397.8	373.7	350.1	327.2	308.8	294.7	278.4	267.4	260.1	251.3	239.2
37.5°	344.9	317.7	292.6	274.8	258.6	244.9	233.4	226.6	218.8	214.0	206.8
40°	291.5	264.8	240.3	224.0	210.4	202.5	196.3	194.7	189.5	183.2	178.5
42.5°	244.5	218.8	194.7	181.6	172.7	170.6	167.5	167.5	164.8	160.2	157.0
45°	212.5	185.8	164.8	155.4	150.7	150.2	148.7	148.7	148.1	146.0	142.3
47.5°	189.5	165.4	149.2	143.4	142.3	141.3	139.7	139.3	138.7	137.1	135.1
50°	168.6	148.1	137.7	135.1	135.5	134.0	132.5	130.9	130.3	128.7	126.7
52.5°	149.2	134.5	127.7	126.1	126.1	126.1	125.1	125.1	124.1	123.5	121.4
55°	138.1	127.2	123.5	123.0	122.5	122.0	120.9	120.9	119.8	119.3	116.7
57.5°	128.7	122.0	119.8	118.8	118.3	117.2	116.7	116.7	116.7	116.7	113.6
60°	121.4	118.3	117.8	116.7	116.2	114.1	113.0	112.6	113.0	113.6	110.4
62.5°	113.6	113.0	112.6	111.4	111.0	108.8	107.3	106.2	107.3	108.4	107.8
63°	111.4	111.0	111.0	110.4	110.0	107.3	105.8	104.7	105.8	106.8	106.8
65°	104.2	104.7	104.7	104.2	103.6	102.0	100.0	98.9	99.4	101.0	101.6
67.5°	96.3	96.8	96.3	96.8	96.3	95.3	93.7	92.7	92.1	92.7	93.2
70°	89.0	90.0	89.5	89.0	88.5	88.5	87.4	85.9	85.3	84.8	84.8
72.5°	82.7	82.7	81.7	81.7	81.1	81.1	80.1	78.5	78.0	78.0	76.9
75°	75.9	75.9	74.3	74.3	73.3	73.8	72.7	71.2	70.7	70.7	70.1
77.5°	71.7	70.1	67.5	67.0	66.5	66.5	66.0	64.4	63.8	63.8	63.3
80°	63.3	60.2	57.6	57.0	57.6	58.6	58.6	57.6	57.6	57.6	57.6
82.5°	49.2	48.2	46.6	45.6	45.6	47.1	49.2	50.2	51.3	52.4	52.4
85°	36.1	36.7	36.1	34.5	34.0	35.6	37.7	39.8	40.3	42.4	41.9
87.5°	19.3	19.9	18.3	17.8	19.3	20.4	22.5	23.1	24.1	24.6	25.1
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°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	556.4	555.8	556.4	555.4	555.4	554.3	553.2	552.7	551.6	551.2	550.1
5°	565.8	564.2	562.7	562.1	560.0	558.0	556.4	553.8	551.6	548.0	547.0
7.5°	572.1	568.4	566.3	565.8	562.7	561.1	557.4	554.3	551.2	546.4	544.8
10°	574.7	571.1	567.4	565.8	562.1	559.5	555.8	551.2	548.6	543.8	542.8
12.5°	577.9	571.1	565.3	561.1	555.8	550.1	546.4	543.8	540.2	537.6	536.5
15°	572.1	563.2	554.3	546.4	538.0	531.8	528.1	523.9	519.7	518.1	518.1
17.5°	556.4	544.8	529.7	519.7	510.9	504.0	499.4	495.2	494.6	492.6	493.6
20°	523.9	508.7	494.1	486.8	481.5	477.3	472.7	470.5	468.9	465.9	464.7
22.5°	478.9	466.3	455.9	450.7	446.4	441.2	437.0	430.8	429.2	426.0	424.5
25°	429.2	419.3	410.3	406.7	404.1	396.7	394.1	385.8	380.0	376.4	378.4
27.5°	379.4	372.2	363.7	359.1	357.5	350.7	348.1	338.6	334.0	334.0	328.7
30°	328.2	321.4	316.1	310.9	309.9	301.5	294.7	291.0	285.8	283.7	280.0
32.5°	280.0	273.2	269.0	266.4	262.2	255.4	248.7	242.3	234.0	230.8	229.2
35°	235.5	230.3	225.0	223.0	217.2	209.9	201.5	196.3	186.3	182.7	181.1
37.5°	201.5	195.3	191.5	185.8	180.1	172.2	166.0	161.2	157.6	156.0	156.0
40°	174.3	169.6	165.4	160.7	156.0	151.8	148.7	147.6	147.1	147.1	148.1
42.5°	153.9	149.7	147.6	145.0	143.4	143.4	142.9	143.4	143.9	144.5	146.0
45°	140.3	137.7	136.7	136.1	137.1	138.1	138.7	139.7	141.9	142.9	143.4
47.5°	132.9	130.9	130.3	130.9	132.5	134.5	136.7	138.1	139.7	140.3	140.8
50°	125.6	123.0	122.0	123.0	125.1	128.3	129.8	132.5	133.5	134.5	133.5
52.5°	119.3	117.2	116.7	116.7	118.8	120.9	123.0	125.1	125.6	125.6	125.1
55°	114.1	112.6	111.0	112.0	113.6	115.6	118.8	120.4	121.4	122.0	122.0
57.5°	110.0	108.4	106.8	107.8	109.4	111.4	114.6	116.2	117.2	118.8	119.3
60°	106.8	104.7	103.1	104.7	106.2	109.4	112.0	113.6	116.2	116.7	116.7
62.5°	103.6	101.6	98.9	100.5	100.5	102.0	104.7	106.8	109.4	110.4	110.4
63°	103.1	101.0	98.4	99.4	99.4	100.5	102.6	104.7	107.8	108.8	108.4
65°	98.9	98.4	95.8	95.8	94.7	95.8	97.4	99.4	101.0	102.6	102.6
67.5°	92.1	91.6	91.1	91.1	91.1	92.1	93.2	94.7	96.3	97.4	96.8
70°	84.3	84.3	84.3	84.8	84.8	85.9	86.3	85.9	87.4	88.5	87.9
72.5°	77.5	76.9	76.4	77.5	76.9	76.9	78.0	77.5	79.1	79.1	79.5
75°	70.1	69.6	69.6	70.1	69.1	68.0	68.6	68.6	69.1	69.1	70.1
77.5°	63.8	63.8	63.8	63.3	62.3	61.8	61.2	61.2	61.2	61.2	61.8
80°	58.1	58.1	58.1	57.6	56.6	55.4	54.4	54.0	53.4	50.8	50.8
82.5°	52.4	52.4	52.4	52.4	51.8	50.8	49.2	45.0	42.9	40.8	41.4
85°	41.4	42.4	43.4	45.0	44.5	44.5	41.4	36.1	32.9	30.9	31.4
87.5°	26.7	23.5	23.5	23.1	22.0	20.9	20.9	17.8	14.7	13.1	13.6
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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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	0°
2.5°	550.1	549.0	548.0	548.0	546.4	546.4	545.4	547.4	545.4	543.8	543.8	2.5°
5°	546.0	544.8	541.8	541.2	539.1	539.1	539.1	538.0	538.0	537.0	536.5	5°
7.5°	543.3	540.7	538.0	536.5	536.5	535.4	537.6	536.5	537.0	537.0	537.6	7.5°
10°	541.2	539.1	538.0	537.6	537.6	539.1	540.7	541.2	540.7	541.2	541.2	10°
12.5°	536.0	537.0	537.6	539.6	542.2	545.4	549.0	549.6	550.6	550.6	551.6	12.5°
15°	519.3	521.9	524.9	530.2	537.0	543.8	550.6	556.4	561.6	564.2	566.3	15°
17.5°	495.6	498.3	504.0	509.8	518.7	528.7	540.2	550.1	561.1	571.1	581.0	17.5°
20°	463.7	467.9	469.5	480.0	490.4	504.0	517.7	533.4	552.2	571.1	590.4	20°
22.5°	422.4	427.1	434.4	442.8	453.8	470.5	486.8	511.4	536.5	563.2	593.6	22.5°
25°	376.4	381.6	387.8	396.7	407.7	425.5	449.1	475.3	506.1	541.2	578.9	25°
27.5°	328.7	334.0	339.2	345.5	358.0	376.8	404.6	431.8	465.9	504.0	548.0	27.5°
30°	281.0	281.6	284.7	292.6	305.7	330.2	350.7	384.7	420.3	460.6	511.4	30°
32.5°	228.7	228.2	231.9	238.7	251.3	274.8	299.9	332.9	368.0	418.7	471.1	32.5°
35°	182.1	182.1	188.9	195.7	209.9	226.6	248.7	278.0	319.3	366.4	418.7	35°
37.5°	157.6	161.2	165.4	172.2	183.2	196.3	215.6	241.3	273.8	318.8	366.9	37.5°
40°	149.7	151.8	155.4	161.8	171.2	183.2	197.3	216.7	241.8	278.0	321.9	40°
42.5°	146.5	147.1	149.2	153.9	162.2	174.3	188.9	206.2	225.0	250.7	288.9	42.5°
45°	143.4	142.9	143.9	147.6	154.4	168.0	184.7	203.6	222.4	243.9	275.4	45°
47.5°	140.8	140.8	140.8	142.3	148.7	162.2	181.6	203.6	226.1	250.2	281.0	47.5°
50°	133.5	132.9	132.9	134.0	138.7	153.4	176.4	203.1	232.4	263.8	298.9	50°
52.5°	125.1	125.1	125.6	126.1	130.3	145.0	170.6	203.1	239.7	281.6	325.6	52.5°
55°	122.5	123.0	123.5	123.0	126.1	138.7	164.4	199.9	242.9	295.7	354.3	55°
57.5°	120.4	121.4	121.4	120.9	123.0	133.5	158.0	193.7	240.3	300.9	374.8	57.5°
60°	117.2	117.2	117.2	115.6	116.7	126.1	148.7	183.7	231.9	296.3	377.9	60°
62.5°	110.4	110.4	109.4	108.8	108.4	115.6	136.1	169.0	216.7	283.7	370.0	62.5°
63°	108.8	108.4	108.4	106.8	106.8	113.6	133.5	167.0	212.5	280.6	366.9	63°
65°	103.1	103.1	103.1	102.0	101.6	106.8	123.0	152.3	196.3	265.9	351.2	65°
67.5°	96.8	97.4	96.3	95.8	95.3	98.4	111.0	134.0	171.2	235.0	321.9	67.5°
70°	87.9	88.5	88.5	87.9	87.4	89.5	97.4	115.2	141.9	195.7	274.2	70°
72.5°	80.1	81.1	81.1	82.1	82.1	83.7	86.9	95.8	113.6	152.8	215.6	72.5°
75°	71.7	72.2	73.3	74.3	73.3	72.7	73.3	80.1	89.0	113.0	153.9	75°
77.5°	64.4	66.0	66.0	65.4	63.8	62.8	62.8	66.0	73.3	85.9	110.0	77.5°
80°	53.4	56.0	56.6	55.0	53.4	53.4	54.4	56.6	61.2	70.7	83.3	80°
82.5°	42.9	45.6	46.0	46.6	46.0	47.6	47.6	48.2	50.8	58.1	68.0	82.5°
85°	32.9	35.1	36.7	37.1	37.7	38.2	37.7	35.1	36.7	41.4	46.0	85°
87.5°	14.7	15.2	14.1	14.7	14.1	14.7	15.2	12.6	12.0	16.2	16.7	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°
549.0	549.0	549.0	549.0	549.0	549.0	549.0
543.3	543.3	543.8	542.8	542.8	543.3	541.8
534.9	537.0	537.0	537.0	536.0	537.0	537.6
537.0	538.6	539.6	539.6	539.1	541.2	542.8
539.6	542.2	543.3	543.3	543.3	546.0	549.6
549.6	551.6	553.2	553.2	554.3	557.4	561.6
567.9	570.5	570.5	570.0	573.1	576.8	581.5
588.3	595.6	599.3	598.8	601.4	606.1	611.4
607.6	628.1	637.0	643.3	645.9	652.2	653.8
623.9	658.0	682.5	703.4	713.4	719.7	727.0
618.1	664.2	708.2	751.1	781.5	812.3	825.4
594.6	652.2	709.8	772.6	827.5	882.4	922.2
565.8	634.9	712.4	801.3	888.2	972.5	1039.4
532.8	618.7	718.1	828.0	942.1	1052.6	1149.4
491.4	587.8	704.0	830.6	965.1	1099.2	1224.8
439.2	546.0	671.0	811.8	966.2	1119.5	1269.8
386.8	493.0	629.1	784.6	952.6	1124.3	1298.1
350.1	446.0	586.7	750.1	930.6	1116.9	1311.6
325.0	411.9	549.0	718.6	907.1	1103.9	1313.8
323.0	397.3	524.5	695.6	888.2	1092.4	1313.8
340.7	405.1	516.1	684.1	880.4	1088.7	1314.8
374.2	436.6	531.3	693.0	886.6	1093.4	1319.5
414.5	484.2	572.1	723.9	913.3	1109.1	1330.0
451.2	539.1	641.7	783.5	962.1	1148.8	1359.3
472.7	586.2	715.5	867.3	1045.2	1227.9	1417.9
475.3	612.4	780.9	958.3	1146.2	1318.4	1511.6
473.1	614.5	789.3	975.6	1167.7	1340.9	1544.0
461.7	615.0	812.8	1036.4	1242.1	1435.7	1634.6
432.4	598.2	821.2	1084.0	1335.7	1560.3	1803.6
381.6	550.6	796.7	1085.0	1371.8	1629.9	1910.4
306.7	460.1	690.3	987.2	1276.6	1561.3	1882.7
224.6	338.1	521.9	764.7	1041.6	1299.6	1612.7
149.2	218.8	351.7	544.8	746.9	935.4	1160.9
102.6	135.5	205.7	327.6	456.9	548.6	739.5
75.3	89.5	114.1	167.5	219.8	270.6	386.2
47.1	51.3	57.0	82.7	118.3	159.6	240.7
12.6	13.1	12.0	16.2	25.7	24.6	27.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)