

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:

Luminaire Tested: **ENT-SA1E-740-U-SLL-ULG**

Issue Date: 3/30/2022

**Test Information**

Test Method: LM-79-08  
Report Number:  
REPORT IS A COMBINATION OF REPORTS P401680 AND P226775  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENT-SA1E-740-U-SLL-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

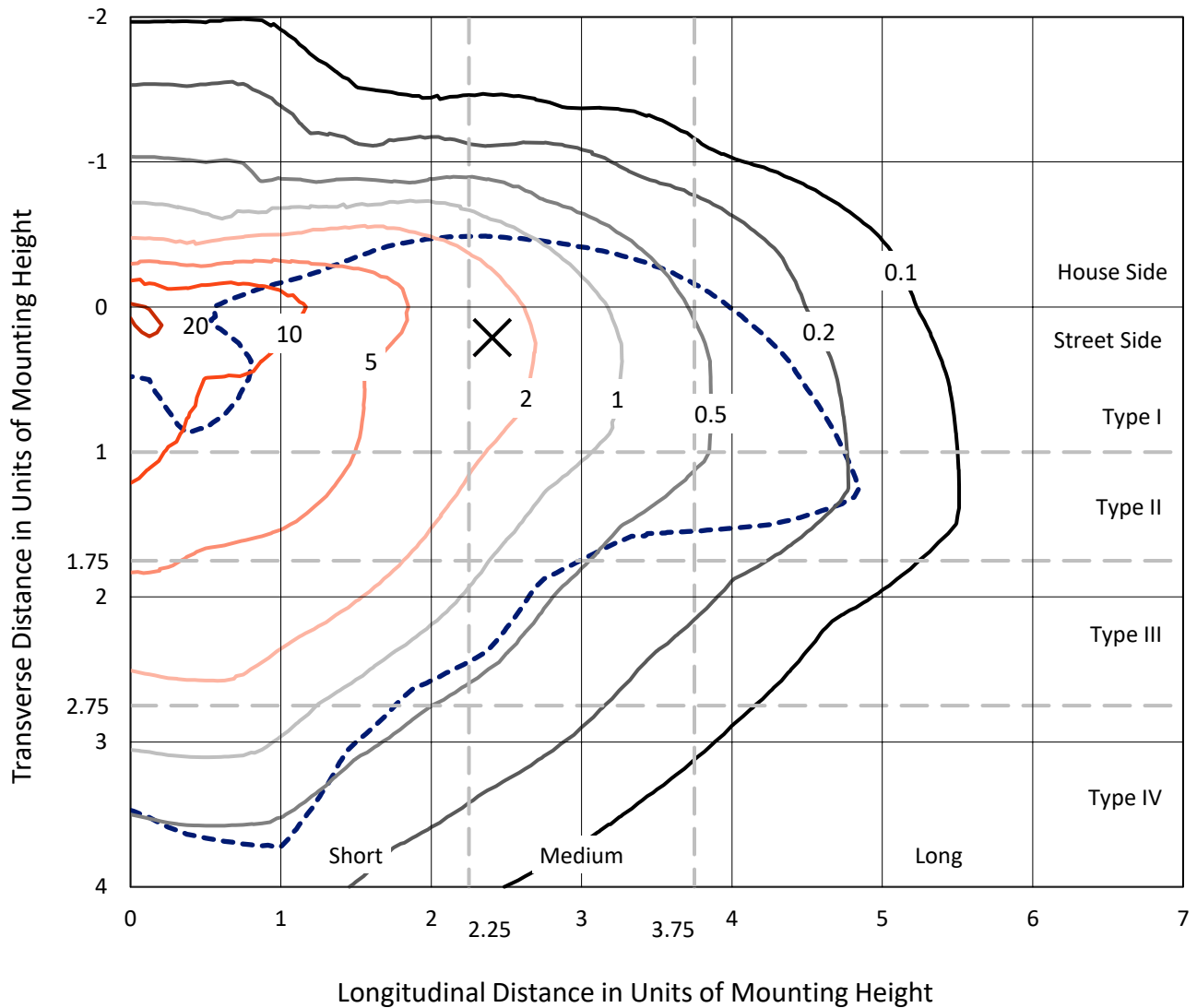
Lumens per Lamp: N/A  
Luminaire Lumens: 7994 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U5 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (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: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

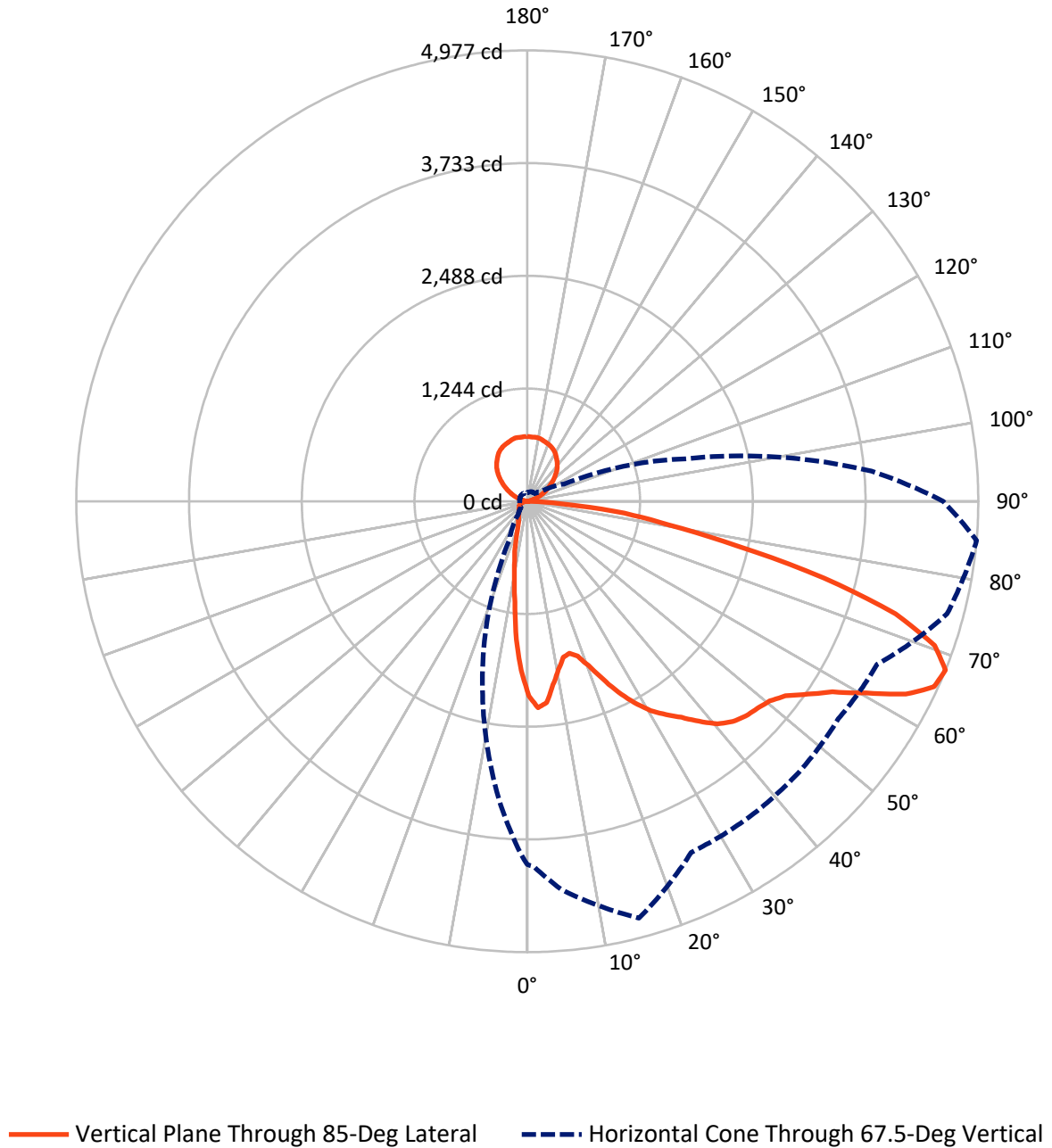
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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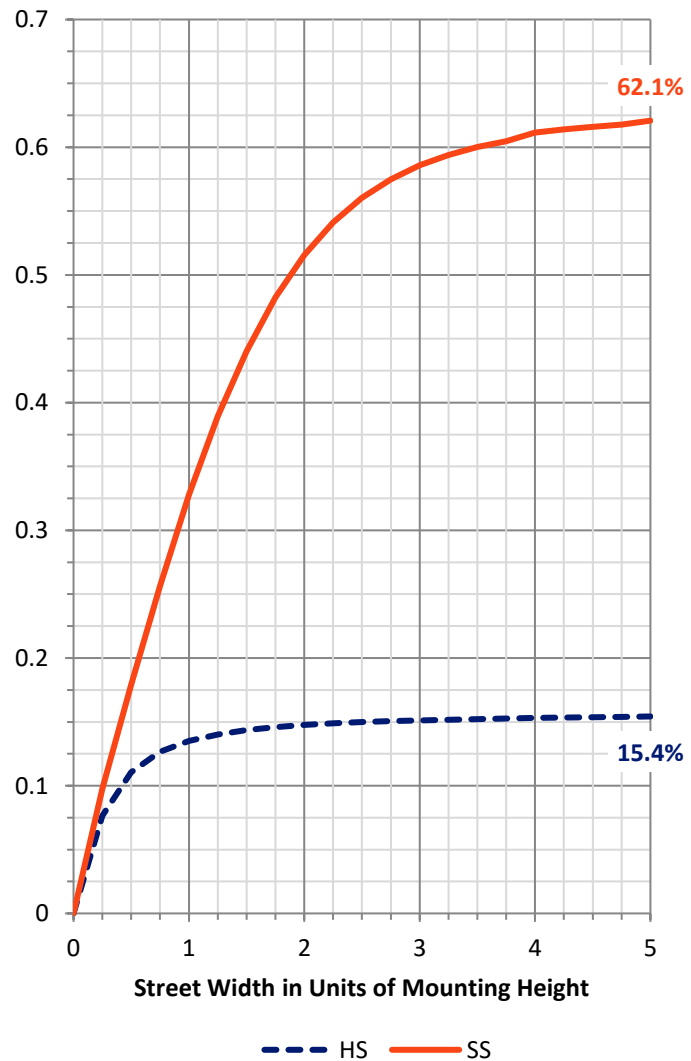
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1253.3	887.0	2140.2
	% Fixture	15.7	11.1	26.8
<b>Street Side</b>	Lumens	4966.8	887.0	5853.7
	% Fixture	62.1	11.1	73.2
<b>Total</b>	Lumens	6220.0	1773.9	7994.0
	% Fixture	77.8	22.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.4	2.0
10°-20°	322.3	4.0
20°-30°	450.2	5.6
30°-40°	634.6	7.9
40°-50°	879.4	11.0
50°-60°	1235.7	15.5
60°-70°	1510.7	18.9
70°-80°	887.8	11.1
80°-90°	136.0	1.7
90°-100°	8.4	0.1
100°-110°	58.7	0.7
110°-120°	169.9	2.1
120°-130°	279.4	3.5
130°-140°	344.6	4.3
140°-150°	352.5	4.4
150°-160°	297.0	3.7
160°-170°	195.5	2.4
170°-180°	67.8	0.8
0°-90°	6220.0	77.8
0°-180°	7994.0	100.0

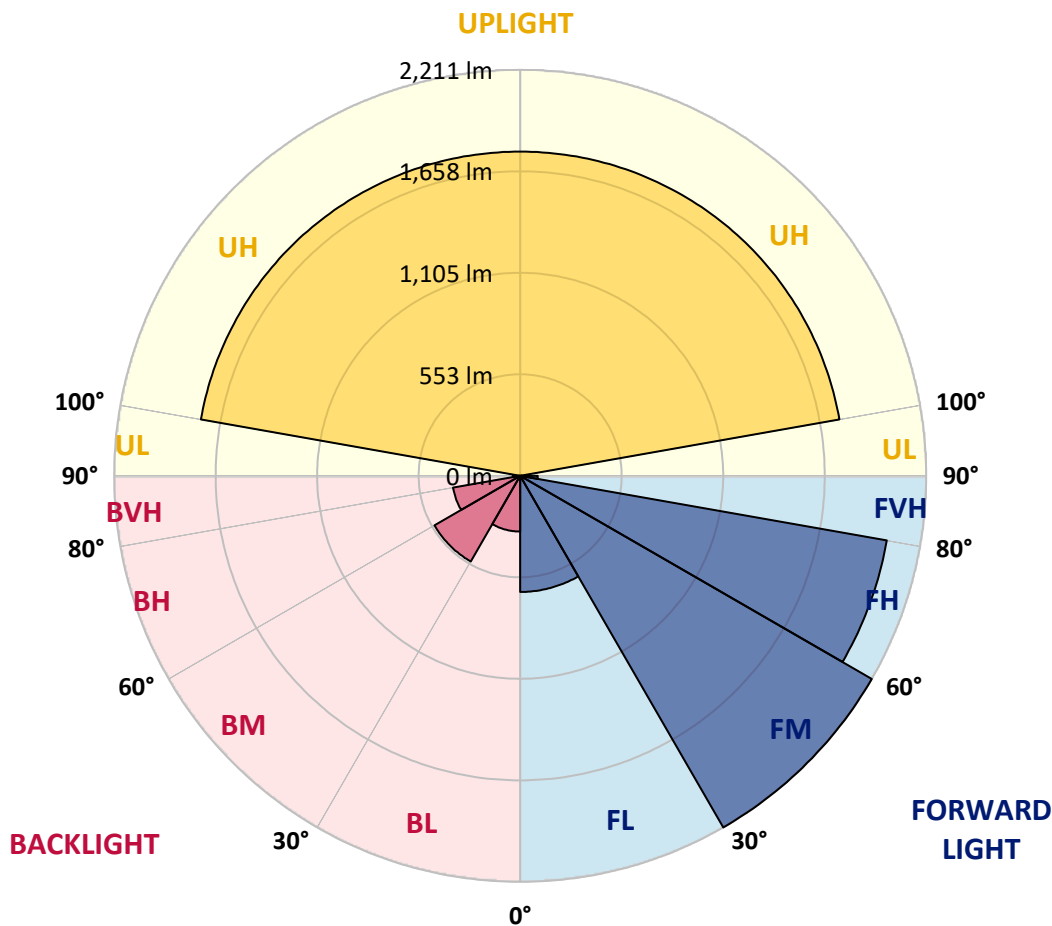


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.3	7.9			
FM (30°-60°)	2211.0	27.7			
FH (60°-80°)	2027.3	25.4			G2/5000
FVH (80°-90°)	96.2	1.2			G1/100
BL (0°-30°)	303.5	3.8	B1/500		
BM (30°-60°)	538.8	6.7	B1/1000		
BH (60°-80°)	371.2	4.6	B1/500		G1/500
BVH (80°-90°)	39.7	0.5			G1/100
UL (90°-100°)	8.4	0.1		U1/10	
UH (100°-180°)	1765.5	22.1		U5	

**BUG Rating: B1-U5-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9
2.5°	2207.9	2197.9	2231.9	2281.9	2315.9	2339.9	2347.9	2346.9	2339.9	2320.9	2280.9
5°	2109.9	2100.9	2169.9	2280.9	2377.9	2447.9	2467.9	2439.9	2404.9	2330.9	2232.9
7.5°	1923.9	1937.9	2025.9	2181.9	2337.9	2448.9	2475.9	2431.9	2359.9	2208.9	2043.9
10°	1782.9	1789.9	1888.9	2076.9	2242.9	2356.9	2403.9	2364.9	2270.9	2079.9	1888.9
12.5°	1695.9	1702.9	1798.9	1972.9	2149.9	2238.9	2252.9	2251.9	2173.9	1988.9	1767.9
15°	1707.9	1716.9	1812.9	1956.9	2056.9	2095.9	2096.9	2107.9	2084.9	1943.9	1738.9
17.5°	1823.9	1823.9	1915.9	2002.9	1979.9	1951.9	1972.9	1992.9	2032.9	1970.9	1797.9
20°	2006.9	2014.9	2099.9	2084.9	1944.9	1874.9	1849.9	1884.9	2008.9	2051.9	1936.9
22.5°	2204.9	2225.9	2314.9	2204.9	1938.9	1802.9	1774.9	1812.9	2011.9	2179.9	2127.9
25°	2423.9	2449.9	2509.9	2344.9	1956.9	1762.9	1743.9	1779.9	2019.9	2297.9	2333.9
27.5°	2623.9	2625.9	2684.9	2462.9	2003.9	1766.9	1734.9	1781.9	2041.9	2390.9	2515.9
30°	2765.9	2765.9	2791.9	2522.9	2061.9	1791.9	1742.9	1811.9	2072.9	2441.9	2680.9
32.5°	2895.9	2902.9	2889.9	2585.9	2116.9	1827.9	1761.9	1871.9	2121.9	2483.9	2807.9
35°	3060.8	3059.8	3001.9	2635.9	2167.9	1866.9	1808.9	1947.9	2192.9	2545.9	2928.9
37.5°	3264.8	3254.8	3131.8	2680.9	2229.9	1933.9	1897.9	2051.9	2287.9	2618.9	3081.8
40°	3449.8	3433.8	3250.8	2722.9	2278.9	2063.9	2042.9	2180.9	2407.9	2709.9	3230.8
42.5°	3593.8	3569.8	3351.8	2752.9	2352.9	2267.9	2285.9	2412.9	2528.9	2790.9	3323.8
45°	3714.8	3689.8	3427.8	2767.9	2531.9	2558.9	2593.9	2699.9	2657.9	2812.9	3380.8
47.5°	3801.8	3760.8	3460.8	2811.9	2773.9	2898.9	3006.9	3013.8	2839.9	2811.9	3415.8
50°	3852.8	3807.8	3491.8	2920.9	3054.8	3284.8	3399.8	3345.8	3028.8	2829.9	3465.8
52.5°	3955.8	3908.8	3620.8	3097.8	3342.8	3675.8	3737.8	3650.8	3224.8	2922.9	3565.8
55°	4214.8	4193.8	3870.8	3335.8	3625.8	3991.8	4019.8	3932.8	3429.8	3083.8	3756.8
57.5°	4507.8	4461.8	4208.8	3634.8	3896.8	4238.8	4283.8	4163.8	3644.8	3309.8	3969.8
60°	4589.8	4580.8	4494.8	3983.8	4176.8	4502.8	4505.8	4352.8	3895.8	3578.8	4294.8
62.5°	4469.8	4498.8	4613.8	4306.8	4411.8	4679.8	4654.8	4495.8	4158.8	4006.8	4689.8
65°	4260.8	4301.8	4532.8	4611.8	4465.8	4644.8	4591.8	4490.8	4324.8	4467.8	4934.8
67.5°	4009.8	4031.8	4300.8	4763.8	4276.8	4259.8	4234.8	4188.8	4258.8	4795.8	4976.8
70°	3748.8	3767.8	4015.8	4554.8	3709.8	3514.8	3493.8	3453.8	3726.8	4791.8	4770.8
72.5°	3159.8	3147.8	3376.8	3801.8	2832.9	2567.9	2745.9	2658.9	3014.8	4304.8	4249.8
75°	1962.9	2028.9	2315.9	2665.9	1940.9	1758.9	2004.9	1982.9	2447.9	3706.8	3383.8
77.5°	1195.9	1208.9	1370.9	1661.9	1168.9	1218.9	1288.9	1424.9	1814.9	3004.9	2358.9
80°	626.0	582.0	701.0	912.0	694.0	818.0	945.0	1094.9	1151.9	1958.9	1576.9
82.5°	181.0	180.0	237.0	382.0	329.0	402.0	477.0	688.0	755.0	1164.9	1079.9
85°	1.0	1.0	1.0	2.0	3.0	5.0	21.0	177.0	234.0	540.0	444.0
87.5°	0.0	0.0	1.0	2.0	2.0	4.0	6.0	8.0	10.0	12.0	44.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	4.1	4.1	4.1	5.1	6.1	6.1	6.1	7.2	7.2	6.1	6.1
95°	5.1	5.1	5.1	6.1	7.2	7.2	7.2	7.2	8.2	7.2	7.2
97.5°	7.2	7.2	7.2	8.2	8.2	9.2	9.2	12.3	10.2	9.2	8.2
100°	8.2	8.2	8.2	9.2	10.2	12.3	21.5	29.7	26.6	23.5	19.4
102.5°	11.3	11.3	11.3	13.3	18.4	27.6	40.9	51.1	48.1	43.0	39.9
105°	21.5	21.7	22.5	27.6	36.8	49.1	64.4	73.7	71.6	66.5	62.4
107.5°	41.9	42.1	43.0	50.1	59.3	74.7	90.0	97.2	96.2	92.1	89.0
110°	67.5	67.9	69.6	75.7	89.0	104.3	116.6	122.8	123.8	121.7	118.7



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**CANDELA DISTRIBUTION (continued):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	101.3	101.3	101.3	108.4	123.8	137.1	146.3	151.4	153.4	152.4	150.4
115°	143.2	143.0	142.2	150.4	162.6	171.9	178.0	183.1	186.2	183.1	181.1
117.5°	188.2	188.2	188.2	193.3	201.5	206.6	209.7	215.8	219.9	214.8	212.8
120°	230.2	229.8	228.1	231.2	238.3	242.4	248.6	251.6	255.7	250.6	248.6
122.5°	269.0	268.4	266.0	267.0	273.1	277.2	283.4	285.4	289.5	284.4	282.3
125°	304.8	304.0	300.7	302.8	305.9	312.0	317.1	320.2	322.2	317.1	317.1
127.5°	337.6	337.4	336.6	336.6	340.6	346.8	347.8	352.9	353.9	353.9	352.9
130°	371.3	370.9	369.3	370.3	374.4	378.5	380.5	385.7	389.7	389.7	387.7
132.5°	405.1	404.7	403.0	402.0	410.2	413.3	414.3	420.4	425.5	423.5	423.5
135°	438.8	438.2	435.8	435.8	441.9	445.0	447.0	453.2	458.3	457.3	460.3
137.5°	470.6	470.0	467.5	469.5	470.6	474.6	478.7	483.9	485.9	486.9	492.0
140°	499.2	498.6	496.1	498.2	500.2	502.3	508.4	511.5	513.5	515.6	520.7
142.5°	529.9	529.3	526.8	528.9	529.9	533.0	537.0	539.1	545.2	545.2	546.3
145°	562.6	561.8	558.5	556.5	559.6	562.6	563.6	568.8	574.9	573.9	570.8
147.5°	588.2	587.6	585.1	584.1	587.2	587.2	588.2	593.3	598.4	599.4	596.4
150°	608.7	608.1	605.6	606.6	606.6	606.6	606.6	610.7	613.8	616.8	619.9
152.5°	625.0	624.4	622.0	622.0	623.0	624.0	624.0	625.0	628.1	632.2	637.3
155°	643.4	642.6	639.3	639.3	641.4	644.5	642.4	640.4	645.5	650.6	652.6
157.5°	660.8	660.2	657.8	657.8	658.8	660.8	659.8	658.8	662.9	664.9	664.9
160°	678.2	677.6	675.1	674.1	671.1	670.0	670.0	673.1	679.2	676.2	675.1
162.5°	688.4	687.6	684.4	684.4	680.3	676.2	678.2	682.3	686.4	685.4	683.3
165°	696.6	696.0	693.6	691.5	691.5	688.4	688.4	687.4	692.5	695.6	693.6
167.5°	705.8	705.2	702.8	699.7	701.7	703.8	700.7	693.6	699.7	703.8	703.8
170°	714.0	713.4	711.0	707.9	707.9	708.9	706.9	701.7	704.8	709.9	712.0
172.5°	715.0	714.6	713.0	711.0	708.9	705.8	705.8	704.8	707.9	709.9	712.0
175°	716.1	715.7	714.0	713.0	711.0	706.9	705.8	705.8	711.0	712.0	709.9
177.5°	723.2	722.8	721.2	716.1	715.0	713.0	711.0	709.9	715.0	717.1	714.0
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9
2.5°	2267.9	2252.9	2220.9	2177.9	2147.9	2095.9	2084.9	2051.9	2018.9	1991.9	1992.9
5°	2185.9	2134.9	2056.9	1966.9	1880.9	1803.9	1788.9	1743.9	1730.9	1717.9	1681.9
7.5°	1970.9	1910.9	1801.9	1668.9	1560.9	1487.9	1409.9	1362.9	1320.9	1272.9	1284.9
10°	1805.9	1719.9	1569.9	1413.9	1278.9	1180.9	1094.9	1050.9	990.0	946.0	940.0
12.5°	1678.9	1585.9	1405.9	1222.9	1095.9	1038.9	984.0	915.0	847.0	789.0	759.0
15°	1636.9	1531.9	1322.9	1140.9	1040.9	972.0	895.0	816.0	733.0	671.0	647.0
17.5°	1685.9	1561.9	1321.9	1105.9	981.0	880.0	784.0	695.0	597.0	535.0	516.0
20°	1820.9	1665.9	1349.9	1072.9	908.0	771.0	636.0	540.0	440.0	396.0	376.0
22.5°	2008.9	1806.9	1392.9	1032.9	827.0	638.0	486.0	365.0	316.0	294.0	289.0
25°	2201.9	1985.9	1453.9	999.0	738.0	508.0	349.0	292.0	269.0	259.0	259.0
27.5°	2413.9	2164.9	1519.9	958.0	646.0	378.0	284.0	257.0	245.0	239.0	238.0
30°	2585.9	2310.9	1594.9	910.0	563.0	310.0	252.0	234.0	223.0	220.0	220.0
32.5°	2709.9	2419.9	1673.9	862.0	487.0	280.0	234.0	218.0	206.0	204.0	204.0
35°	2854.9	2523.9	1709.9	835.0	441.0	261.0	221.0	205.0	194.0	189.0	189.0
37.5°	3028.8	2647.9	1729.9	809.0	421.0	243.0	212.0	194.0	183.0	177.0	177.0
40°	3249.8	2788.9	1750.9	783.0	409.0	228.0	202.0	184.0	175.0	168.0	168.0
42.5°	3407.8	2918.9	1766.9	761.0	388.0	221.0	194.0	177.0	166.0	160.0	159.0
45°	3490.8	3039.8	1773.9	748.0	364.0	227.0	188.0	171.0	158.0	152.0	151.0
47.5°	3546.8	3139.8	1782.9	738.0	345.0	216.0	187.0	165.0	152.0	144.0	144.0
50°	3635.8	3271.8	1805.9	719.0	334.0	202.0	202.0	162.0	145.0	138.0	137.0
52.5°	3794.8	3460.8	1867.9	698.0	322.0	188.0	208.0	163.0	140.0	132.0	130.0
55°	4034.8	3761.8	1970.9	668.0	305.0	171.0	194.0	164.0	135.0	128.0	125.0
57.5°	4346.8	4125.8	2090.9	644.0	276.0	157.0	177.0	159.0	129.0	123.0	121.0
60°	4556.8	4368.8	2166.9	613.0	235.0	148.0	152.0	154.0	123.0	116.0	115.0
62.5°	4669.8	4372.8	2167.9	570.0	197.0	140.0	136.0	157.0	118.0	109.0	108.0
65°	4677.8	4159.8	2058.9	515.0	184.0	131.0	125.0	139.0	113.0	104.0	103.0
67.5°	4590.8	3812.8	1809.9	452.0	189.0	124.0	116.0	117.0	107.0	99.0	98.0
70°	4278.8	3363.8	1451.9	402.0	190.0	115.0	109.0	106.0	101.0	94.0	92.0
72.5°	3691.8	2810.9	1099.9	386.0	193.0	108.0	101.0	98.0	94.0	88.0	86.0
75°	2785.9	2192.9	826.0	360.0	195.0	100.0	92.0	90.0	86.0	80.0	79.0
77.5°	1924.9	1625.9	574.0	304.0	174.0	91.0	83.0	81.0	78.0	72.0	71.0
80°	1299.9	1114.9	352.0	228.0	132.0	80.0	72.0	72.0	69.0	63.0	63.0
82.5°	905.0	833.0	203.0	149.0	96.0	66.0	63.0	63.0	60.0	54.0	53.0
85°	378.0	504.0	91.0	81.0	67.0	52.0	52.0	53.0	50.0	45.0	44.0
87.5°	13.0	54.0	36.0	38.0	40.0	36.0	40.0	40.0	39.0	35.0	34.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	6.1	6.1	6.1	7.2	7.2	6.1	6.1	6.1	5.1	4.1	4.1
95°	7.2	7.2	7.2	8.2	7.2	7.2	7.2	7.2	6.1	5.1	5.1
97.5°	8.2	8.2	9.2	10.2	12.3	9.2	9.2	8.2	8.2	7.2	7.2
100°	19.4	19.4	23.5	26.6	29.7	21.5	12.3	10.2	9.2	8.2	8.2
102.5°	38.9	39.9	43.0	48.1	51.1	40.9	27.6	18.4	13.3	11.3	11.3
105°	62.4	62.4	66.5	71.6	73.7	64.4	49.1	36.8	27.6	22.5	21.5
107.5°	88.0	89.0	92.1	96.2	97.2	90.0	74.7	59.3	50.1	43.0	41.9
110°	119.7	118.7	121.7	123.8	122.8	116.6	104.3	89.0	75.7	69.6	67.5



REPORT NUMBER:  
 CATALOG NUMBER: ENT-SA1E-740-U-SLL-ULG

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	150.4	150.4	152.4	153.4	151.4	146.3	137.1	123.8	108.4	101.3	101.3
115°	182.1	181.1	183.1	186.2	183.1	178.0	171.9	162.6	150.4	142.2	143.2
117.5°	213.8	212.8	214.8	219.9	215.8	209.7	206.6	201.5	193.3	188.2	188.2
120°	248.6	248.6	250.6	255.7	251.6	248.6	242.4	238.3	231.2	228.1	230.2
122.5°	283.4	282.3	284.4	289.5	285.4	283.4	277.2	273.1	267.0	266.0	269.0
125°	317.1	317.1	317.1	322.2	320.2	317.1	312.0	305.9	302.8	300.7	304.8
127.5°	355.0	352.9	353.9	353.9	352.9	347.8	346.8	340.6	336.6	336.6	337.6
130°	388.7	387.7	389.7	389.7	385.7	380.5	378.5	374.4	370.3	369.3	371.3
132.5°	424.5	423.5	423.5	425.5	420.4	414.3	413.3	410.2	402.0	403.0	405.1
135°	461.4	460.3	457.3	458.3	453.2	447.0	445.0	441.9	435.8	435.8	438.8
137.5°	493.1	492.0	486.9	485.9	483.9	478.7	474.6	470.6	469.5	467.5	470.6
140°	522.7	520.7	515.6	513.5	511.5	508.4	502.3	500.2	498.2	496.1	499.2
142.5°	548.3	546.3	545.2	545.2	539.1	537.0	533.0	529.9	528.9	526.8	529.9
145°	572.9	570.8	573.9	574.9	568.8	563.6	562.6	559.6	556.5	558.5	562.6
147.5°	598.4	596.4	599.4	598.4	593.3	588.2	587.2	587.2	584.1	585.1	588.2
150°	624.0	619.9	616.8	613.8	610.7	606.6	606.6	606.6	606.6	605.6	608.7
152.5°	642.4	637.3	632.2	628.1	625.0	624.0	624.0	623.0	622.0	622.0	625.0
155°	655.7	652.6	650.6	645.5	640.4	642.4	644.5	641.4	639.3	639.3	643.4
157.5°	670.0	664.9	664.9	662.9	658.8	659.8	660.8	658.8	657.8	657.8	660.8
160°	681.3	675.1	676.2	679.2	673.1	670.0	670.0	671.1	674.1	675.1	678.2
162.5°	689.5	683.3	685.4	686.4	682.3	678.2	676.2	680.3	684.4	684.4	688.4
165°	697.7	693.6	695.6	692.5	687.4	688.4	688.4	691.5	691.5	693.6	696.6
167.5°	709.9	703.8	703.8	699.7	693.6	700.7	703.8	701.7	699.7	702.8	705.8
170°	717.1	712.0	709.9	704.8	701.7	706.9	708.9	707.9	707.9	711.0	714.0
172.5°	717.1	712.0	709.9	707.9	704.8	705.8	705.8	708.9	711.0	713.0	715.0
175°	715.0	709.9	712.0	711.0	705.8	705.8	706.9	711.0	713.0	714.0	716.1
177.5°	718.1	714.0	717.1	715.0	709.9	711.0	713.0	715.0	716.1	721.2	723.2
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER:  
 CATALOG NUMBER: ENT-SA1E-740-U-SLL-ULG

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9
2.5°	1963.9	1950.9	1910.9	1905.9	1875.9	1873.9	1886.9	1864.9	1866.9	1893.9	1889.9
5°	1689.9	1659.9	1658.9	1625.9	1588.9	1579.9	1547.9	1535.9	1530.9	1519.9	1559.9
7.5°	1321.9	1307.9	1319.9	1315.9	1281.9	1262.9	1194.9	1142.9	1116.9	1127.9	1130.9
10°	940.0	961.0	993.0	1023.9	1000.0	937.0	908.0	866.0	861.0	858.0	878.0
12.5°	745.0	721.0	736.0	747.0	724.0	697.0	685.0	667.0	677.0	700.0	713.0
15°	619.0	577.0	558.0	545.0	551.0	535.0	541.0	535.0	542.0	549.0	573.0
17.5°	489.0	474.0	438.0	421.0	422.0	415.0	417.0	416.0	412.0	428.0	447.0
20°	368.0	364.0	356.0	344.0	346.0	341.0	338.0	321.0	314.0	319.0	335.0
22.5°	287.0	292.0	297.0	296.0	301.0	288.0	276.0	261.0	259.0	260.0	264.0
25°	257.0	259.0	263.0	268.0	271.0	259.0	242.0	233.0	232.0	234.0	234.0
27.5°	239.0	237.0	242.0	248.0	252.0	237.0	223.0	215.0	213.0	211.0	210.0
30°	220.0	220.0	224.0	230.0	233.0	220.0	208.0	200.0	195.0	192.0	191.0
32.5°	206.0	207.0	209.0	213.0	218.0	205.0	195.0	188.0	179.0	176.0	174.0
35°	190.0	194.0	197.0	198.0	202.0	193.0	183.0	172.0	164.0	161.0	161.0
37.5°	177.0	180.0	185.0	184.0	187.0	181.0	170.0	158.0	154.0	153.0	152.0
40°	167.0	167.0	171.0	175.0	179.0	168.0	155.0	149.0	146.0	144.0	145.0
42.5°	158.0	157.0	157.0	164.0	171.0	155.0	144.0	140.0	139.0	137.0	138.0
45°	150.0	149.0	146.0	149.0	159.0	142.0	135.0	132.0	131.0	131.0	131.0
47.5°	143.0	141.0	137.0	138.0	145.0	132.0	126.0	125.0	124.0	124.0	125.0
50°	135.0	133.0	130.0	129.0	131.0	125.0	120.0	118.0	118.0	118.0	120.0
52.5°	128.0	127.0	123.0	122.0	123.0	119.0	114.0	113.0	113.0	113.0	116.0
55°	123.0	121.0	119.0	117.0	119.0	114.0	110.0	108.0	108.0	110.0	112.0
57.5°	118.0	116.0	115.0	113.0	115.0	110.0	106.0	104.0	105.0	106.0	106.0
60°	113.0	111.0	110.0	108.0	111.0	106.0	102.0	101.0	101.0	100.0	100.0
62.5°	108.0	107.0	105.0	103.0	107.0	101.0	98.0	96.0	95.0	95.0	95.0
65°	102.0	101.0	100.0	99.0	101.0	96.0	93.0	92.0	90.0	89.0	90.0
67.5°	97.0	97.0	95.0	93.0	96.0	90.0	88.0	87.0	84.0	83.0	84.0
70°	91.0	91.0	89.0	88.0	92.0	84.0	82.0	81.0	79.0	78.0	78.0
72.5°	85.0	85.0	83.0	82.0	87.0	78.0	76.0	75.0	72.0	71.0	71.0
75°	79.0	78.0	77.0	76.0	82.0	72.0	69.0	67.0	64.0	63.0	62.0
77.5°	72.0	71.0	69.0	70.0	74.0	64.0	60.0	59.0	56.0	55.0	54.0
80°	63.0	62.0	61.0	63.0	63.0	56.0	51.0	49.0	46.0	44.0	43.0
82.5°	54.0	53.0	53.0	55.0	52.0	49.0	43.0	39.0	34.0	31.0	30.0
85°	44.0	46.0	44.0	46.0	39.0	39.0	30.0	23.0	16.0	13.0	12.0
87.5°	34.0	35.0	34.0	35.0	27.0	26.0	14.0	8.0	1.0	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
92.5°	4.1	5.1	6.1	6.1	6.1	7.2	7.2	6.1	6.1	6.1	6.1
95°	5.1	6.1	7.2	7.2	7.2	7.2	8.2	7.2	7.2	7.2	7.2
97.5°	7.2	8.2	8.2	9.2	9.2	12.3	10.2	9.2	8.2	8.2	8.2
100°	8.2	9.2	10.2	12.3	21.5	29.7	26.6	23.5	19.4	19.4	19.4
102.5°	11.3	13.3	18.4	27.6	40.9	51.1	48.1	43.0	39.9	38.9	39.9
105°	22.5	27.6	36.8	49.1	64.4	73.7	71.6	66.5	62.4	62.4	62.4
107.5°	43.0	50.1	59.3	74.7	90.0	97.2	96.2	92.1	89.0	88.0	89.0
110°	69.6	75.7	89.0	104.3	116.6	122.8	123.8	121.7	118.7	119.7	118.7



REPORT NUMBER:  
 CATALOG NUMBER: ENT-SA1E-740-U-SLL-ULG

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
112.5°	101.3	108.4	123.8	137.1	146.3	151.4	153.4	152.4	150.4	150.4	150.4
115°	142.2	150.4	162.6	171.9	178.0	183.1	186.2	183.1	181.1	182.1	181.1
117.5°	188.2	193.3	201.5	206.6	209.7	215.8	219.9	214.8	212.8	213.8	212.8
120°	228.1	231.2	238.3	242.4	248.6	251.6	255.7	250.6	248.6	248.6	248.6
122.5°	266.0	267.0	273.1	277.2	283.4	285.4	289.5	284.4	282.3	283.4	282.3
125°	300.7	302.8	305.9	312.0	317.1	320.2	322.2	317.1	317.1	317.1	317.1
127.5°	336.6	336.6	340.6	346.8	347.8	352.9	353.9	353.9	352.9	355.0	352.9
130°	369.3	370.3	374.4	378.5	380.5	385.7	389.7	389.7	387.7	388.7	387.7
132.5°	403.0	402.0	410.2	413.3	414.3	420.4	425.5	423.5	423.5	424.5	423.5
135°	435.8	435.8	441.9	445.0	447.0	453.2	458.3	457.3	460.3	461.4	460.3
137.5°	467.5	469.5	470.6	474.6	478.7	483.9	485.9	486.9	492.0	493.1	492.0
140°	496.1	498.2	500.2	502.3	508.4	511.5	513.5	515.6	520.7	522.7	520.7
142.5°	526.8	528.9	529.9	533.0	537.0	539.1	545.2	545.2	546.3	548.3	546.3
145°	558.5	556.5	559.6	562.6	563.6	568.8	574.9	573.9	570.8	572.9	570.8
147.5°	585.1	584.1	587.2	587.2	588.2	593.3	598.4	599.4	596.4	598.4	596.4
150°	605.6	606.6	606.6	606.6	606.6	610.7	613.8	616.8	619.9	624.0	619.9
152.5°	622.0	622.0	623.0	624.0	624.0	625.0	628.1	632.2	637.3	642.4	637.3
155°	639.3	639.3	641.4	644.5	642.4	640.4	645.5	650.6	652.6	655.7	652.6
157.5°	657.8	657.8	658.8	660.8	659.8	658.8	662.9	664.9	664.9	670.0	664.9
160°	675.1	674.1	671.1	670.0	670.0	673.1	679.2	676.2	675.1	681.3	675.1
162.5°	684.4	684.4	680.3	676.2	678.2	682.3	686.4	685.4	683.3	689.5	683.3
165°	693.6	691.5	691.5	688.4	688.4	687.4	692.5	695.6	693.6	697.7	693.6
167.5°	702.8	699.7	701.7	703.8	700.7	693.6	699.7	703.8	703.8	709.9	703.8
170°	711.0	707.9	707.9	708.9	706.9	701.7	704.8	709.9	712.0	717.1	712.0
172.5°	713.0	711.0	708.9	705.8	705.8	704.8	707.9	709.9	712.0	717.1	712.0
175°	714.0	713.0	711.0	706.9	705.8	705.8	711.0	712.0	709.9	715.0	709.9
177.5°	721.2	716.1	715.0	713.0	711.0	709.9	715.0	717.1	714.0	718.1	714.0
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1



REPORT NUMBER:

CATALOG NUMBER: ENT-SA1E-740-U-SLL-ULG

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9	2148.9
2.5°	1919.9	1921.9	1964.9	2007.9	2033.9	2098.9	2130.9	2166.9	2185.9	2207.9
5°	1540.9	1578.9	1613.9	1699.9	1743.9	1846.9	1921.9	2041.9	2079.9	2109.9
7.5°	1163.9	1220.9	1263.9	1370.9	1453.9	1581.9	1712.9	1855.9	1896.9	1923.9
10°	925.0	977.0	1057.9	1141.9	1234.9	1389.9	1531.9	1679.9	1751.9	1782.9
12.5°	777.0	860.0	955.0	1032.9	1106.9	1220.9	1400.9	1587.9	1662.9	1695.9
15°	641.0	734.0	831.0	927.0	1018.9	1147.9	1336.9	1579.9	1674.9	1707.9
17.5°	509.0	585.0	683.0	799.0	933.0	1096.9	1348.9	1664.9	1780.9	1823.9
20°	362.0	436.0	536.0	679.0	838.0	1043.9	1376.9	1792.9	1957.9	2006.9
22.5°	273.0	314.0	406.0	547.0	753.0	1002.0	1420.9	1967.9	2160.9	2204.9
25°	240.0	254.0	301.0	437.0	668.0	964.0	1478.9	2141.9	2375.9	2423.9
27.5°	213.0	221.0	245.0	351.0	605.0	925.0	1547.9	2329.9	2560.9	2623.9
30°	192.0	202.0	222.0	294.0	544.0	869.0	1610.9	2498.9	2717.9	2765.9
32.5°	176.0	187.0	205.0	266.0	492.0	827.0	1646.9	2624.9	2851.9	2895.9
35°	165.0	175.0	193.0	241.0	446.0	798.0	1657.9	2749.9	3015.8	3060.8
37.5°	155.0	165.0	181.0	216.0	414.0	760.0	1674.9	2898.9	3205.8	3264.8
40°	148.0	156.0	171.0	199.0	370.0	719.0	1694.9	3072.8	3390.8	3449.8
42.5°	141.0	150.0	163.0	200.0	326.0	684.0	1707.9	3206.8	3537.8	3593.8
45°	135.0	145.0	160.0	196.0	293.0	652.0	1701.9	3318.8	3671.8	3714.8
47.5°	129.0	141.0	168.0	188.0	283.0	623.0	1706.9	3426.8	3767.8	3801.8
50°	125.0	140.0	180.0	176.0	285.0	610.0	1754.9	3555.8	3839.8	3852.8
52.5°	122.0	143.0	170.0	159.0	285.0	604.0	1846.9	3763.8	3964.8	3955.8
55°	117.0	142.0	159.0	144.0	273.0	607.0	1933.9	4038.8	4264.8	4214.8
57.5°	113.0	136.0	143.0	133.0	245.0	608.0	2062.9	4270.8	4500.8	4507.8
60°	108.0	146.0	124.0	124.0	210.0	603.0	2176.9	4266.8	4543.8	4589.8
62.5°	103.0	143.0	111.0	115.0	186.0	584.0	2245.9	4017.8	4384.8	4469.8
65°	97.0	113.0	102.0	107.0	176.0	537.0	2147.9	3708.8	4169.8	4260.8
67.5°	90.0	93.0	93.0	99.0	172.0	466.0	1900.9	3367.8	3899.8	4009.8
70°	82.0	83.0	85.0	94.0	160.0	401.0	1547.9	3004.9	3609.8	3748.8
72.5°	74.0	75.0	75.0	85.0	150.0	346.0	1095.9	2380.9	3013.8	3159.8
75°	65.0	66.0	65.0	74.0	131.0	259.0	651.0	1505.9	1797.9	1962.9
77.5°	55.0	55.0	53.0	58.0	90.0	164.0	356.0	915.0	1093.9	1195.9
80°	45.0	41.0	34.0	35.0	49.0	94.0	159.0	525.0	600.0	626.0
82.5°	30.0	23.0	14.0	13.0	16.0	26.0	37.0	208.0	191.0	181.0
85°	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
87.5°	0.0	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
92.5°	6.1	7.2	7.2	6.1	6.1	6.1	5.1	4.1	4.1	4.1
95°	7.2	8.2	7.2	7.2	7.2	7.2	6.1	5.1	5.1	5.1
97.5°	9.2	10.2	12.3	9.2	9.2	8.2	8.2	7.2	7.2	7.2
100°	23.5	26.6	29.7	21.5	12.3	10.2	9.2	8.2	8.2	8.2
102.5°	43.0	48.1	51.1	40.9	27.6	18.4	13.3	11.3	11.3	11.3
105°	66.5	71.6	73.7	64.4	49.1	36.8	27.6	22.5	21.7	21.5
107.5°	92.1	96.2	97.2	90.0	74.7	59.3	50.1	43.0	42.1	41.9
110°	121.7	123.8	122.8	116.6	104.3	89.0	75.7	69.6	67.9	67.5



REPORT NUMBER:  
 CATALOG NUMBER: ENT-SA1E-740-U-SLL-ULG

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
112.5°	152.4	153.4	151.4	146.3	137.1	123.8	108.4	101.3	101.3	101.3
115°	183.1	186.2	183.1	178.0	171.9	162.6	150.4	142.2	143.0	143.2
117.5°	214.8	219.9	215.8	209.7	206.6	201.5	193.3	188.2	188.2	188.2
120°	250.6	255.7	251.6	248.6	242.4	238.3	231.2	228.1	229.8	230.2
122.5°	284.4	289.5	285.4	283.4	277.2	273.1	267.0	266.0	268.4	269.0
125°	317.1	322.2	320.2	317.1	312.0	305.9	302.8	300.7	304.0	304.8
127.5°	353.9	353.9	352.9	347.8	346.8	340.6	336.6	336.6	337.4	337.6
130°	389.7	389.7	385.7	380.5	378.5	374.4	370.3	369.3	370.9	371.3
132.5°	423.5	425.5	420.4	414.3	413.3	410.2	402.0	403.0	404.7	405.1
135°	457.3	458.3	453.2	447.0	445.0	441.9	435.8	435.8	438.2	438.8
137.5°	486.9	485.9	483.9	478.7	474.6	470.6	469.5	467.5	470.0	470.6
140°	515.6	513.5	511.5	508.4	502.3	500.2	498.2	496.1	498.6	499.2
142.5°	545.2	545.2	539.1	537.0	533.0	529.9	528.9	526.8	529.3	529.9
145°	573.9	574.9	568.8	563.6	562.6	559.6	556.5	558.5	561.8	562.6
147.5°	599.4	598.4	593.3	588.2	587.2	587.2	584.1	585.1	587.6	588.2
150°	616.8	613.8	610.7	606.6	606.6	606.6	606.6	605.6	608.1	608.7
152.5°	632.2	628.1	625.0	624.0	624.0	623.0	622.0	622.0	624.4	625.0
155°	650.6	645.5	640.4	642.4	644.5	641.4	639.3	639.3	642.6	643.4
157.5°	664.9	662.9	658.8	659.8	660.8	658.8	657.8	657.8	660.2	660.8
160°	676.2	679.2	673.1	670.0	670.0	671.1	674.1	675.1	677.6	678.2
162.5°	685.4	686.4	682.3	678.2	676.2	680.3	684.4	684.4	687.6	688.4
165°	695.6	692.5	687.4	688.4	688.4	691.5	691.5	693.6	696.0	696.6
167.5°	703.8	699.7	693.6	700.7	703.8	701.7	699.7	702.8	705.2	705.8
170°	709.9	704.8	701.7	706.9	708.9	707.9	707.9	711.0	713.4	714.0
172.5°	709.9	707.9	704.8	705.8	705.8	708.9	711.0	713.0	714.6	715.0
175°	712.0	711.0	705.8	705.8	706.9	711.0	713.0	714.0	715.7	716.1
177.5°	717.1	715.0	709.9	711.0	713.0	715.0	716.1	721.2	722.8	723.2
180°	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1	716.1

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