

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: P180577

Luminaire Tested: **ICM-E03-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180577
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E03-LED-E1-SL3-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4419.3 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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

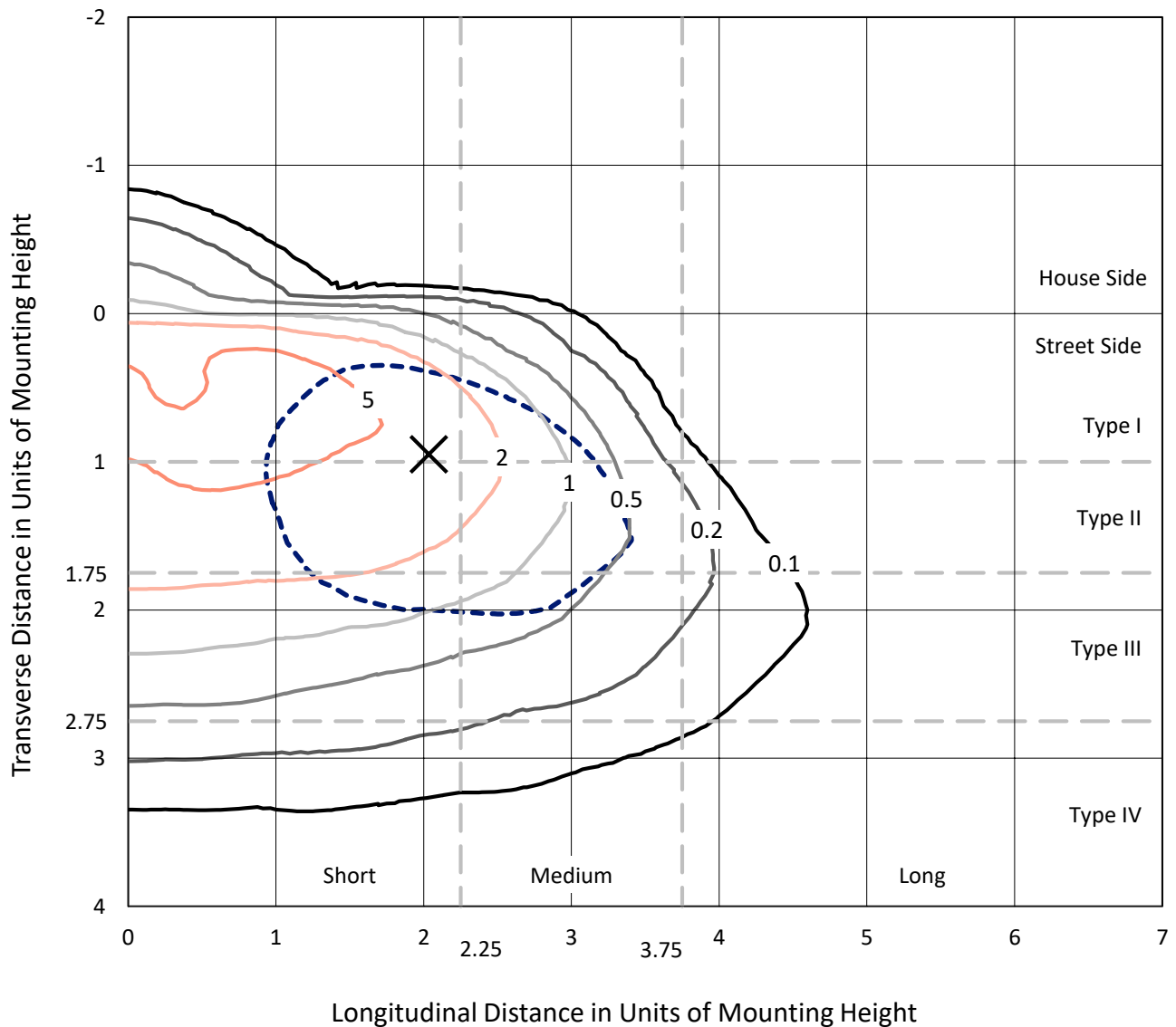


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Iso-Footcandle Lines of Horizontal Illumination

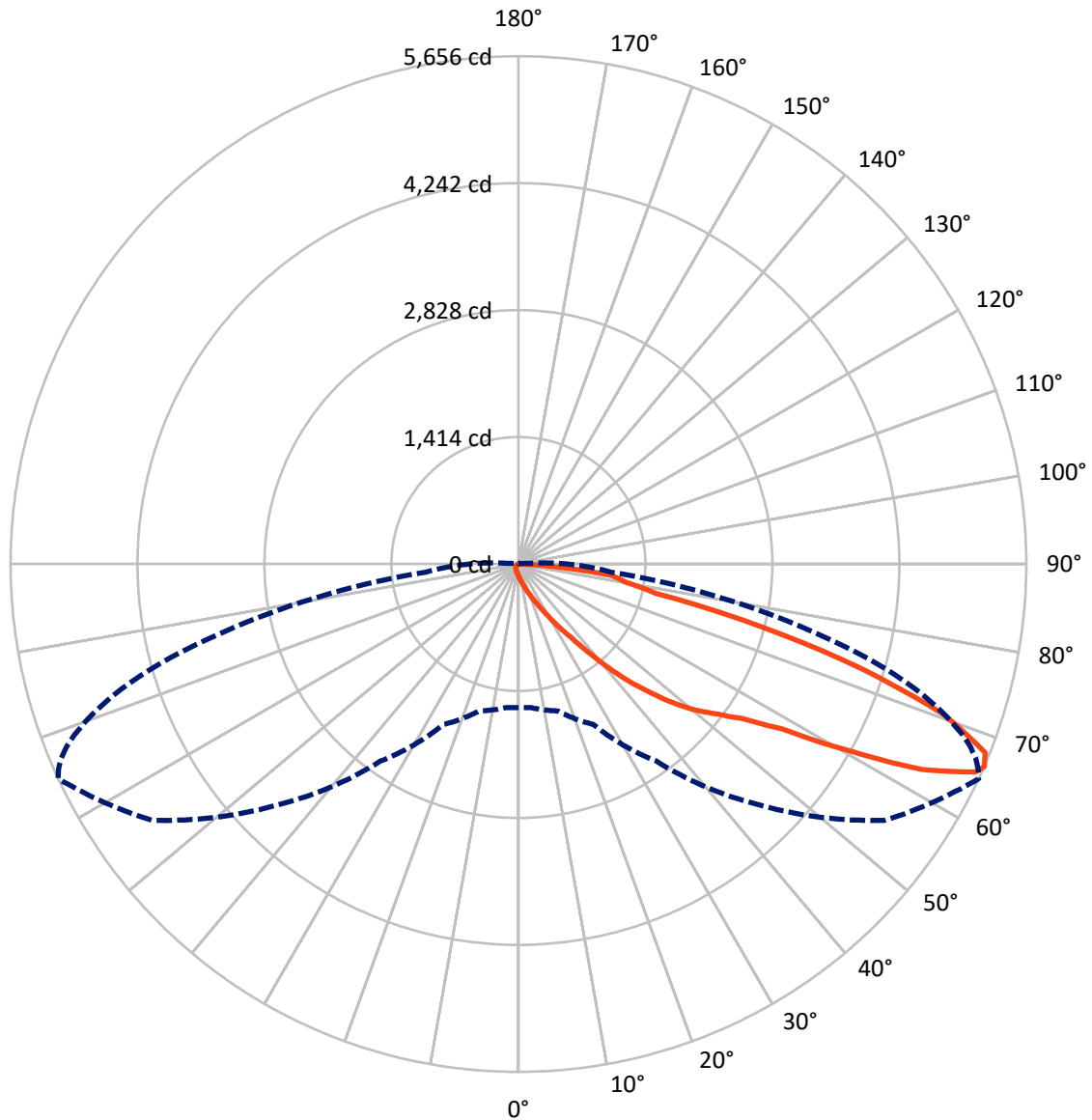
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	95.8	0.0	95.8
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	4323.6	0.0	4323.6
	% Fixture	97.8	0.0	97.8
Total	Lumens	4419.3	0.0	4419.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	0.3
10°-20°	63.3	1.4
20°-30°	136.6	3.1
30°-40°	291.6	6.6
40°-50°	645.0	14.6
50°-60°	1093.0	24.7
60°-70°	1458.5	33.0
70°-80°	642.5	14.5
80°-90°	74.0	1.7
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°	4419.3	100.0
0°-180°	4419.3	100.0



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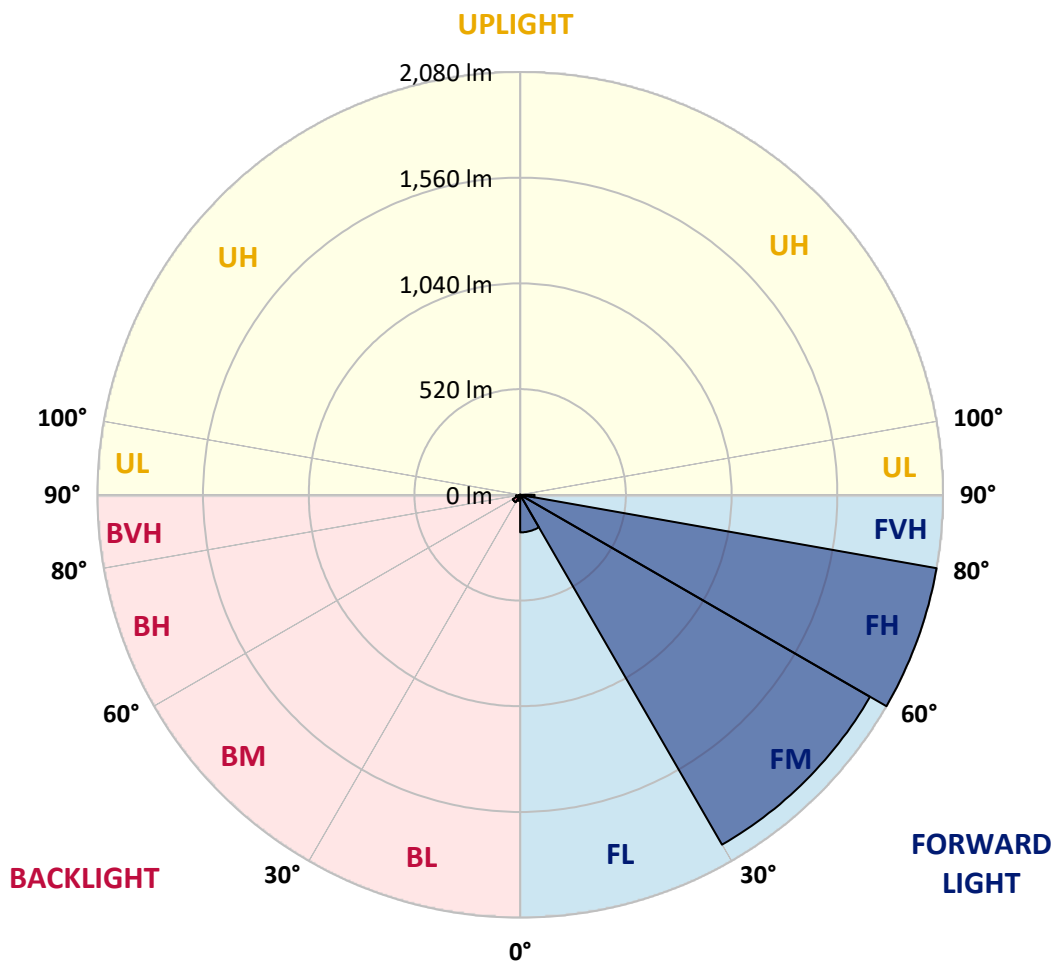
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.6	4.2			
FM	(30°-60°)	1987.5	45.0			
FH	(60°-80°)	2080.4	47.1			G2/5000
FVH	(80°-90°)	71.1	1.6			G1/100
BL	(0°-30°)	30.2	0.7	B0/110		
BM	(30°-60°)	42.1	1.0	B0/220		
BH	(60°-80°)	20.5	0.5	B0/110		G0/110
BVH	(80°-90°)	3.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	168.2	167.3	164.0	164.0	158.9	155.4	151.3	147.0	147.0	146.1	145.3
5°	222.6	217.5	216.7	207.4	199.6	188.7	178.4	164.8	163.2	161.4	160.6
7.5°	282.9	282.0	274.4	263.4	248.1	227.7	207.4	185.2	181.9	180.1	176.7
10°	361.1	356.8	346.6	328.0	305.0	277.9	244.7	209.9	205.6	202.2	200.6
12.5°	435.8	428.2	422.2	398.5	369.6	329.7	289.8	239.6	236.2	231.9	225.1
15°	505.5	498.7	488.6	468.2	435.8	385.8	339.0	277.9	269.3	263.4	258.3
17.5°	559.9	555.6	543.7	520.8	486.0	441.8	385.8	316.9	310.1	302.5	293.1
20°	611.7	605.8	587.1	555.6	518.2	484.3	440.9	367.9	358.5	349.2	339.0
22.5°	661.0	655.1	624.5	572.7	532.7	518.2	503.0	425.7	411.3	403.5	393.4
25°	729.9	717.1	669.5	587.1	533.6	544.7	571.0	500.5	486.8	475.8	459.6
27.5°	822.4	805.5	730.7	608.4	536.9	573.5	649.1	591.4	576.9	564.2	546.3
30°	927.0	915.9	826.7	659.4	561.6	616.0	736.7	706.9	689.9	674.6	653.4
32.5°	1032.3	1017.0	928.7	756.2	627.9	698.4	846.2	841.1	819.1	804.6	781.7
35°	1124.9	1117.3	1051.8	915.1	779.1	842.8	992.4	998.3	978.8	963.4	938.0
37.5°	1187.8	1187.8	1175.1	1085.9	1019.5	1067.2	1207.4	1208.2	1188.7	1153.8	1141.0
40°	1220.1	1229.4	1275.3	1292.3	1288.9	1350.1	1489.4	1474.1	1458.0	1440.1	1397.7
42.5°	1286.3	1294.8	1392.6	1509.8	1586.2	1667.0	1763.0	1757.9	1738.3	1706.1	1667.0
45°	1398.5	1409.5	1526.0	1712.0	1869.2	1983.9	2045.0	2021.3	2001.8	1971.2	1950.8
47.5°	1541.2	1562.5	1694.1	1924.4	2113.9	2303.4	2367.1	2304.2	2287.2	2263.5	2230.2
50°	1693.3	1713.7	1853.9	2117.3	2331.4	2557.4	2663.6	2557.4	2532.8	2525.1	2487.7
52.5°	1825.0	1842.0	1977.1	2266.0	2497.9	2763.0	2917.6	2777.4	2759.6	2734.2	2706.9
55°	1903.2	1916.8	2043.4	2337.3	2610.9	2948.2	3163.2	3040.0	3013.7	3003.5	2964.4
57.5°	1929.5	1943.1	2056.9	2346.7	2672.1	3117.3	3461.4	3465.7	3434.3	3397.7	3385.8
60°	1929.5	1944.8	2040.8	2323.7	2731.6	3297.4	3859.0	4213.3	4145.3	4138.5	4095.2
62.5°	1849.7	1864.1	1960.9	2253.2	2811.5	3540.4	4413.0	5038.4	5018.8	4974.6	4903.2
65°	1676.3	1684.8	1780.0	2073.1	2780.9	3763.8	4893.1	5587.2	5555.8	5469.1	5377.3
66°	1598.1	1604.9	1694.1	1970.3	2680.6	3794.4	4978.0	5656.0	5604.2	5531.1	5427.5
67.5°	1485.1	1497.0	1559.9	1779.2	2440.1	3688.3	4924.5	5607.6	5562.5	5474.2	5370.5
70°	991.5	983.0	1204.8	1365.4	1859.0	3005.1	4418.1	5034.9	5035.8	4994.2	4952.5
72.5°	470.7	475.8	540.4	840.3	1216.7	2007.6	3516.7	4018.7	4076.6	4001.8	3950.0
75°	338.1	345.8	384.8	514.0	725.6	1204.8	2279.5	2810.6	2812.3	2679.7	2561.7
77.5°	98.5	102.8	144.5	316.9	543.7	813.1	1309.3	1562.5	1526.0	1430.8	1341.6
80°	40.7	40.7	42.5	101.1	218.3	552.3	915.9	1203.1	1198.8	1162.3	1109.6
82.5°	15.3	16.2	20.4	41.7	51.8	135.9	610.9	1044.2	1041.7	989.9	952.5
85°	1.7	1.7	5.1	17.9	19.5	25.5	122.3	460.5	458.0	460.5	403.5
87.5°	0.0	0.0	0.8	1.7	2.5	3.4	5.1	17.9	19.5	18.7	17.0
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	145.3	143.6	143.6	142.7	142.7	142.7	141.9	141.0	141.0	140.2	139.3
5°	158.9	157.2	156.4	154.6	153.8	152.9	151.3	150.4	148.7	147.8	147.0
7.5°	175.1	171.6	170.8	168.2	165.7	164.0	162.2	159.7	158.0	154.6	153.8
10°	195.4	191.2	187.8	184.4	181.9	177.6	175.1	171.6	168.2	165.7	163.2
12.5°	221.8	215.8	210.7	207.4	201.4	196.3	191.2	188.7	181.9	178.4	174.1
15°	250.6	243.8	237.9	231.1	226.9	218.3	211.5	203.9	200.6	194.6	187.8
17.5°	288.0	277.0	267.6	260.8	252.4	243.8	236.2	228.6	218.3	211.5	203.1
20°	328.0	318.6	305.9	294.0	283.8	273.6	262.5	252.4	243.0	231.9	221.8
22.5°	379.0	365.3	350.0	338.1	324.6	313.5	298.2	284.7	269.3	254.9	243.0
25°	443.5	425.7	411.3	394.2	378.0	361.1	342.4	325.4	305.9	292.3	271.9
27.5°	523.4	506.4	486.8	464.7	448.6	423.1	398.5	377.2	354.3	333.0	310.1
30°	625.3	600.7	580.3	559.1	526.8	502.1	473.2	444.4	412.9	391.7	356.8
32.5°	747.6	721.3	690.8	660.2	630.4	595.6	559.9	524.2	489.4	450.3	414.6
35°	897.2	865.8	831.0	797.8	751.9	714.5	669.5	620.2	581.1	536.1	491.1
37.5°	1095.2	1043.4	1012.8	978.0	915.9	864.9	814.8	765.5	696.7	649.1	585.4
40°	1343.3	1312.7	1262.5	1206.5	1150.4	1083.3	1015.4	949.9	870.1	803.7	729.9
42.5°	1634.7	1589.7	1538.7	1458.0	1401.0	1322.1	1244.8	1158.1	1060.4	975.4	888.7
45°	1908.3	1854.7	1815.6	1735.0	1675.5	1582.1	1488.6	1396.8	1283.8	1174.2	1074.0
47.5°	2203.9	2159.7	2095.2	2029.8	1969.4	1864.1	1763.0	1651.7	1532.8	1402.7	1272.8
50°	2463.9	2429.1	2384.9	2305.9	2238.8	2150.4	2031.5	1910.0	1759.5	1630.4	1482.6
52.5°	2684.9	2657.7	2595.6	2539.6	2479.3	2395.9	2289.8	2173.4	2011.1	1869.2	1700.9
55°	2945.7	2926.2	2871.7	2836.9	2783.4	2703.6	2604.1	2496.2	2324.6	2170.0	1979.6
57.5°	3373.0	3357.8	3310.2	3295.7	3243.1	3173.4	3051.0	2935.5	2735.0	2543.0	2325.4
60°	4080.8	4050.2	3980.5	3944.9	3833.5	3740.1	3581.2	3422.3	3180.2	2935.5	2673.8
62.5°	4838.6	4752.9	4620.3	4506.4	4348.4	4186.2	3973.7	3730.7	3447.0	3156.4	2855.6
65°	5247.4	5101.2	4933.8	4752.9	4548.1	4309.3	4041.7	3750.3	3445.2	3138.5	2820.8
66°	5294.1	5129.2	4951.7	4750.3	4522.6	4268.6	3996.7	3690.8	3373.9	3074.8	2757.0
67.5°	5235.5	5063.0	4875.2	4651.7	4405.3	4142.0	3856.5	3538.7	3233.7	2930.3	2621.1
70°	4825.1	4653.4	4486.1	4250.7	3988.2	3723.1	3453.0	3097.8	2808.9	2530.2	2254.9
72.5°	3853.0	3736.7	3571.0	3369.6	3113.9	2802.9	2577.8	2260.0	2009.4	1739.2	1526.0
75°	2407.8	2243.9	2039.1	1782.5	1587.1	1334.8	1203.1	961.8	819.1	694.1	573.5
77.5°	1231.1	1107.9	964.4	819.9	681.4	543.7	420.6	297.4	200.6	139.3	103.6
80°	1017.0	908.3	789.3	657.6	535.3	415.4	299.1	203.9	130.0	84.9	66.2
82.5°	840.3	748.6	642.3	520.0	413.8	326.2	226.9	147.8	91.7	59.4	46.7
85°	357.7	324.6	250.6	198.8	149.5	110.4	77.3	51.8	36.6	29.8	27.2
87.5°	15.3	17.0	16.2	12.7	9.3	9.3	8.5	6.8	6.8	6.8	6.8
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	139.3	138.5	137.7	137.7	136.7	135.9	130.9	126.6	121.5	118.1	114.7
5°	145.3	144.5	142.7	141.9	140.2	139.3	128.3	119.0	111.3	105.4	101.1
7.5°	151.3	150.4	147.8	145.3	144.5	142.7	124.9	113.0	102.8	96.0	91.7
10°	158.9	156.4	153.8	150.4	147.8	145.3	121.5	106.2	95.2	89.2	84.9
12.5°	170.0	165.7	161.4	157.2	153.8	149.5	119.8	100.3	89.2	82.4	78.1
15°	182.7	176.7	171.6	166.5	160.6	156.4	116.4	95.2	84.1	77.3	72.2
17.5°	194.6	187.8	180.1	172.5	166.5	160.6	113.0	90.0	79.0	72.2	67.2
20°	211.5	201.4	192.0	182.7	174.1	166.5	107.9	84.9	74.8	67.2	62.0
22.5°	230.2	218.3	206.4	193.7	182.7	172.5	103.6	80.7	70.5	62.9	56.9
25°	254.0	239.6	223.4	207.4	194.6	180.9	99.4	76.5	66.2	58.6	52.7
27.5°	287.2	266.8	248.9	228.6	209.0	193.7	96.0	73.0	62.0	54.4	48.5
30°	332.2	302.5	274.4	252.4	229.4	207.4	92.7	68.8	58.6	50.1	43.3
32.5°	382.3	347.5	315.3	282.0	253.2	227.7	89.2	65.4	54.4	45.9	39.9
35°	444.4	400.2	356.8	318.6	283.8	249.8	85.8	62.0	51.0	41.7	35.7
37.5°	533.6	478.3	421.4	372.1	327.1	282.0	83.3	58.6	46.7	37.4	31.4
40°	655.9	584.6	514.9	447.7	389.1	333.0	79.9	55.3	43.3	34.0	28.0
42.5°	788.5	701.8	610.1	534.4	453.7	383.2	76.5	51.8	39.9	30.6	24.7
45°	953.3	845.4	734.1	631.3	532.7	441.8	73.0	48.5	35.7	27.2	21.2
47.5°	1133.4	995.7	870.1	740.8	623.6	514.9	68.8	45.9	32.3	23.8	18.7
50°	1318.6	1173.3	1014.4	867.4	728.1	587.9	64.6	41.7	28.9	21.2	15.3
52.5°	1518.3	1346.7	1184.4	1001.7	839.4	683.9	60.3	38.2	26.3	18.7	12.7
55°	1772.3	1580.3	1390.0	1185.2	989.9	795.3	56.1	34.0	23.0	16.2	10.2
57.5°	2091.8	1864.1	1630.4	1399.4	1162.3	941.4	52.7	29.8	19.5	13.6	8.5
60°	2393.4	2127.5	1844.6	1578.6	1311.0	1053.6	47.5	26.3	17.0	11.1	8.5
62.5°	2549.8	2246.4	1941.4	1648.3	1362.8	1093.5	42.5	22.0	14.4	9.3	7.6
65°	2511.6	2202.2	1906.6	1610.9	1331.4	1068.0	37.4	19.5	12.7	8.5	7.6
66°	2456.3	2150.4	1853.0	1571.8	1305.0	1040.8	34.8	18.7	11.9	8.5	6.8
67.5°	2335.6	2040.0	1756.2	1494.5	1232.8	988.9	31.4	17.0	11.1	7.6	6.8
70°	1994.9	1726.4	1499.6	1266.8	1053.6	833.5	25.5	14.4	9.3	6.8	6.8
72.5°	1320.3	1137.7	986.4	848.7	709.4	550.6	21.2	11.9	7.6	6.8	6.0
75°	497.9	450.3	386.6	347.5	303.4	266.0	17.0	7.6	6.0	6.0	6.0
77.5°	88.4	81.6	72.2	66.2	61.2	56.1	13.6	5.1	5.1	6.0	6.0
80°	59.4	55.3	50.1	45.9	42.5	38.2	9.3	4.3	5.1	5.1	6.0
82.5°	42.5	39.9	37.4	34.0	31.4	28.0	6.0	4.3	5.1	5.1	5.1
85°	25.5	23.8	22.0	20.4	17.9	17.0	4.3	4.3	4.3	5.1	5.1
87.5°	6.8	6.0	6.8	6.8	5.1	6.0	3.4	3.4	3.4	4.3	4.3
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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CANDELA DISTRIBUTION (continued):

	145°	155°	165°	175°	180°
0°	133.4	133.4	133.4	133.4	133.4
2.5°	113.0	113.0	111.3	113.9	113.9
5°	97.7	97.7	96.8	97.7	97.7
7.5°	89.2	88.4	88.4	88.4	89.2
10°	81.6	80.7	80.7	80.7	80.7
12.5°	74.8	74.0	73.0	74.0	74.0
15°	68.8	67.2	67.2	67.2	67.2
17.5°	63.7	62.0	61.2	61.2	61.2
20°	58.6	56.1	56.1	56.1	56.1
22.5°	53.5	51.0	51.0	51.0	51.0
25°	48.5	45.9	45.9	45.9	45.9
27.5°	44.2	41.7	41.7	41.7	41.7
30°	39.1	37.4	37.4	38.2	37.4
32.5°	35.7	33.1	33.1	34.0	34.0
35°	31.4	29.8	29.8	29.8	29.8
37.5°	27.2	25.5	25.5	25.5	25.5
40°	23.8	22.0	21.2	22.0	22.0
42.5°	20.4	18.7	17.9	17.9	17.9
45°	17.9	15.3	14.4	15.3	15.3
47.5°	14.4	12.7	12.7	13.6	13.6
50°	11.1	11.1	11.9	13.6	13.6
52.5°	10.2	10.2	11.9	13.6	13.6
55°	9.3	10.2	11.9	12.7	13.6
57.5°	8.5	10.2	11.9	12.7	12.7
60°	8.5	9.3	11.1	12.7	12.7
62.5°	7.6	8.5	10.2	11.9	11.9
65°	7.6	8.5	10.2	11.9	11.9
66°	7.6	8.5	10.2	11.9	11.9
67.5°	7.6	8.5	10.2	11.9	11.9
70°	7.6	8.5	10.2	11.1	11.1
72.5°	6.8	7.6	9.3	11.1	11.1
75°	6.8	7.6	9.3	11.1	11.1
77.5°	6.8	7.6	9.3	11.1	11.1
80°	6.8	7.6	9.3	10.2	11.1
82.5°	6.0	7.6	8.5	10.2	10.2
85°	6.0	6.8	8.5	9.3	10.2
87.5°	5.1	6.0	6.8	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)