

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: P180812

Luminaire Tested: **ICM-F06-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180812
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-SL4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8563.2 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 156.5
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

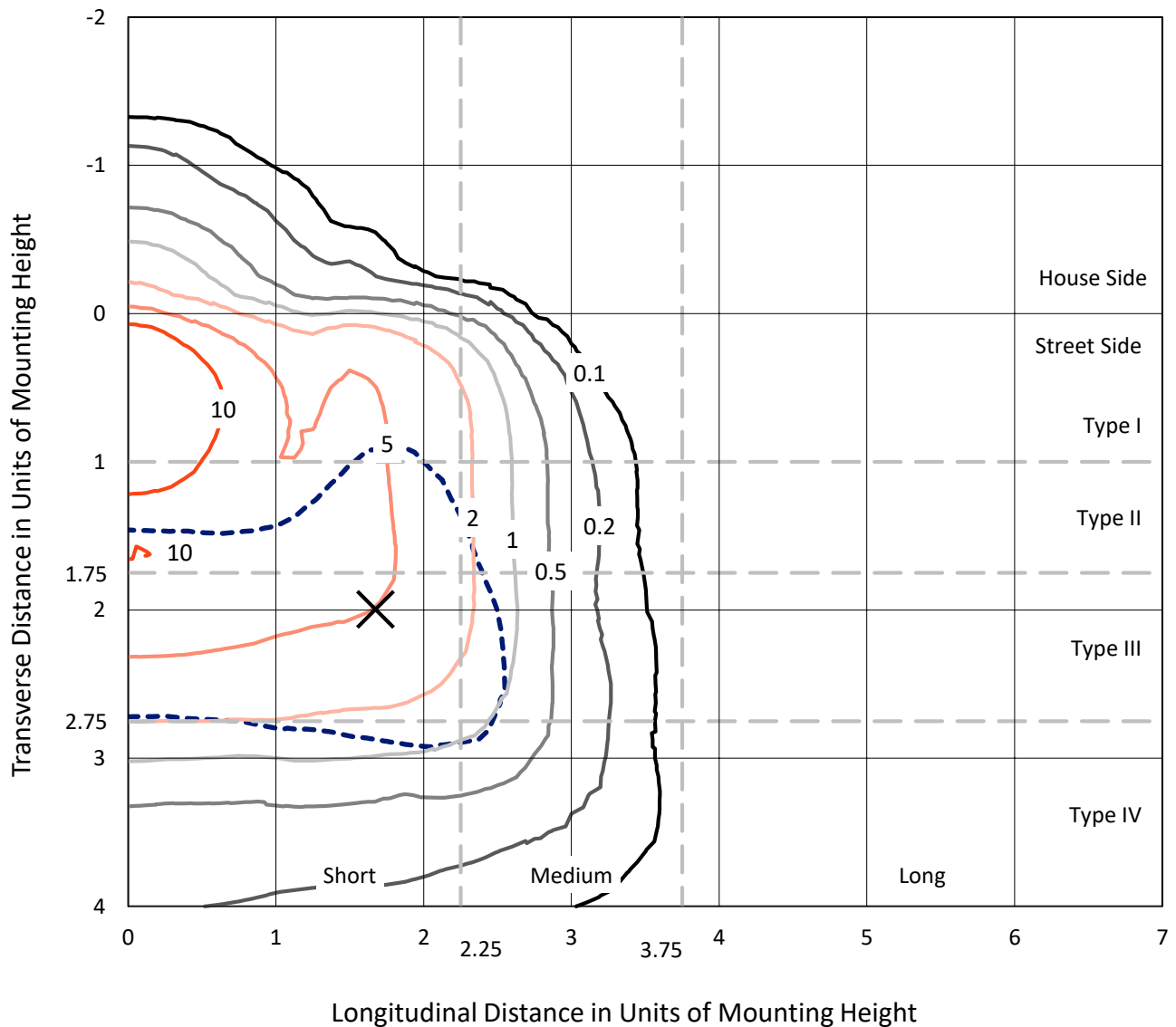


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Iso-Footcandle Lines of Horizontal Illumination

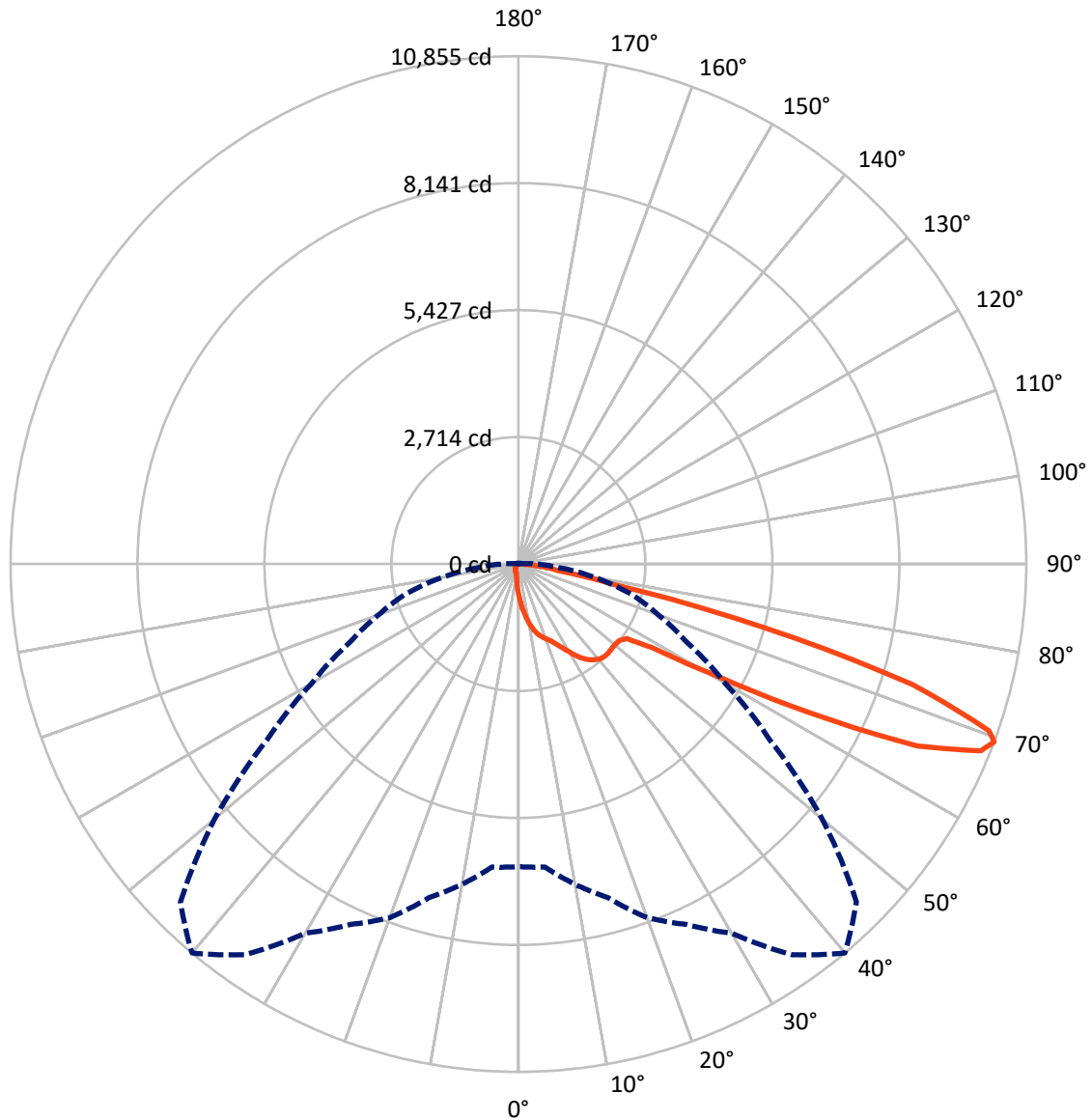
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.2 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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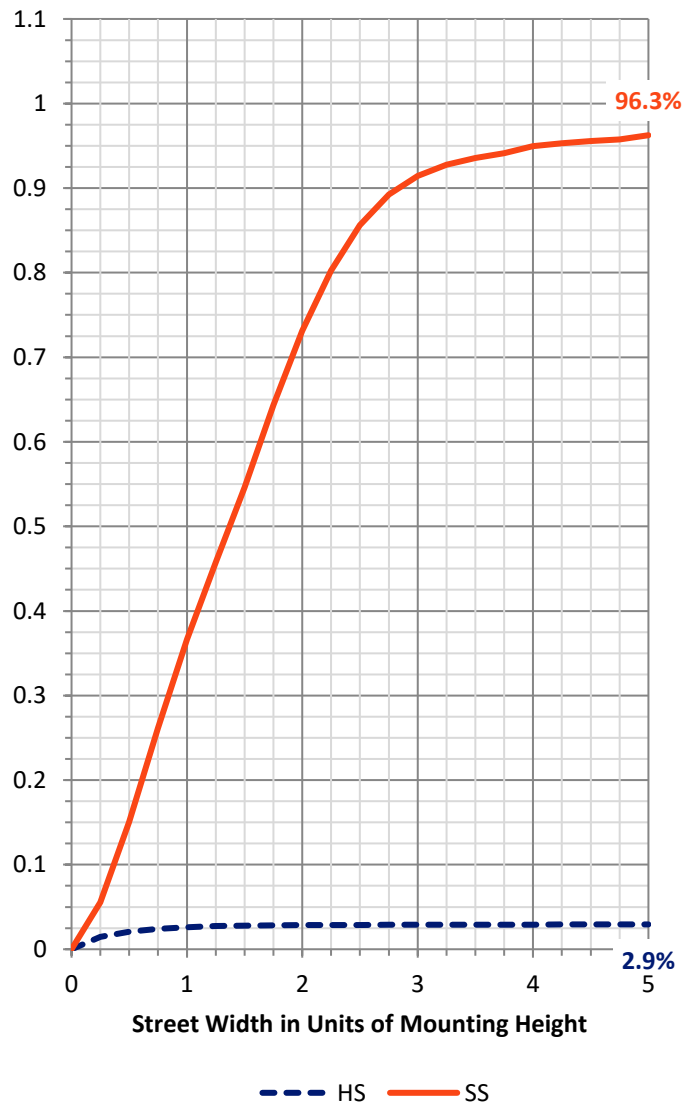
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	255.0	0.0	255.0
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	8308.2	0.0	8308.2
	% Fixture	97.0	0.0	97.0
Total	Lumens	8563.2	0.0	8563.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	0.8
10°-20°	229.2	2.7
20°-30°	438.6	5.1
30°-40°	729.4	8.5
40°-50°	987.0	11.5
50°-60°	1543.6	18.0
60°-70°	3173.7	37.1
70°-80°	1277.0	14.9
80°-90°	118.1	1.4
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°	8563.2	100.0
0°-180°	8563.2	100.0



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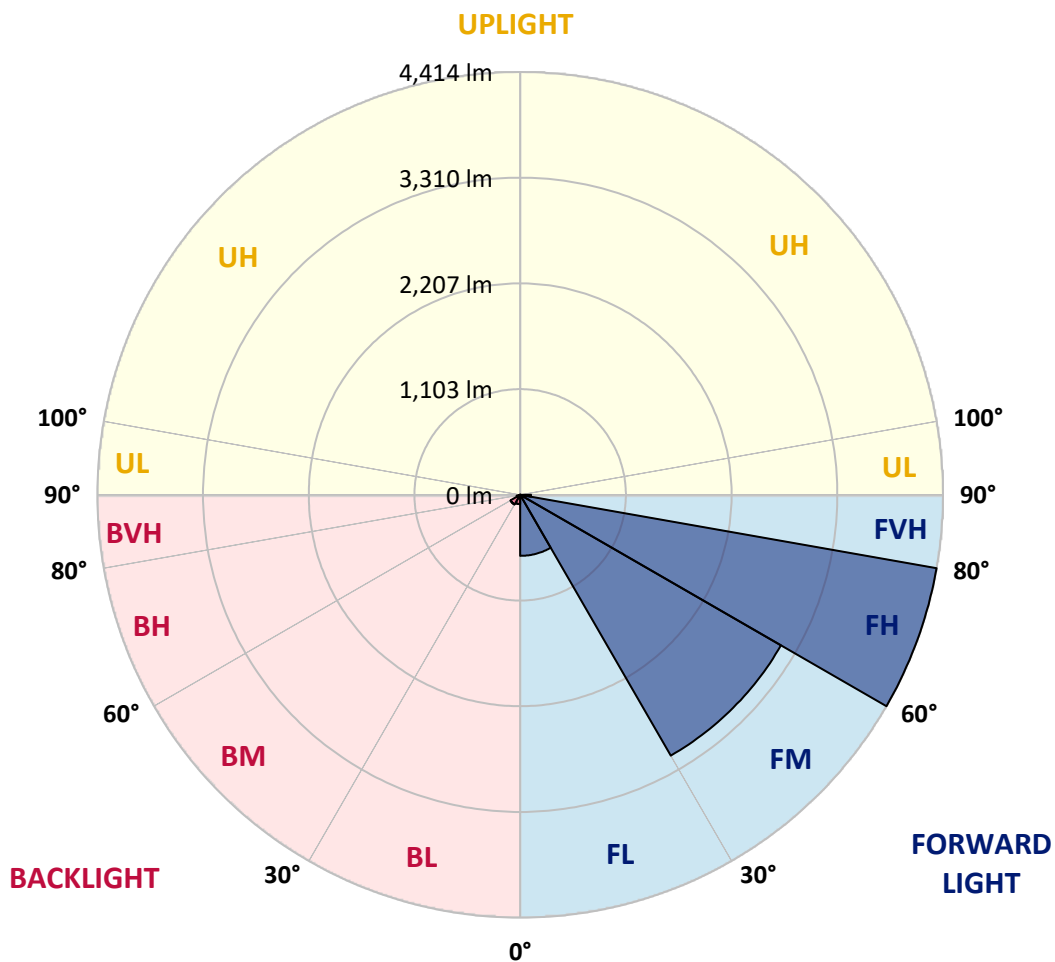
CATALOG NUMBER: ICM-F06-LED-E1-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	637.3	7.4			
FM (30°-60°)	3143.7	36.7			
FH (60°-80°)	4413.5	51.5			G2/5000
FVH (80°-90°)	113.7	1.3			G2/225
BL (0°-30°)	97.0	1.1	B0/110		
BM (30°-60°)	116.4	1.4	B0/220		
BH (60°-80°)	37.2	0.4	B0/110		G0/110
BVH (80°-90°)	4.4	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7
2.5°	862.7	852.9	841.7	841.7	827.6	827.6	819.3	796.7	794.0	781.3	768.7
5°	1101.2	1092.8	1078.7	1066.1	1054.9	1035.3	1021.2	994.6	965.1	937.0	911.8
7.5°	1334.1	1329.9	1304.6	1300.4	1282.1	1249.9	1221.9	1182.5	1132.0	1092.8	1046.5
10°	1550.1	1540.3	1534.6	1510.8	1484.2	1449.1	1405.6	1357.9	1299.0	1237.2	1171.4
12.5°	1721.2	1715.6	1690.3	1680.6	1652.5	1617.4	1562.7	1500.9	1442.1	1362.1	1284.9
15°	1848.8	1839.1	1822.2	1806.8	1773.1	1742.2	1691.7	1624.4	1552.8	1465.9	1373.3
17.5°	1955.5	1937.2	1933.0	1909.2	1874.2	1837.7	1781.5	1719.8	1635.6	1548.7	1447.6
20°	2098.5	2073.3	2064.9	2029.9	1989.1	1938.6	1874.2	1796.9	1708.6	1613.2	1509.4
22.5°	2266.9	2248.7	2230.4	2199.5	2147.6	2076.1	1982.2	1898.0	1785.8	1680.6	1568.3
25°	2505.4	2490.0	2460.5	2418.4	2353.9	2268.3	2154.7	2031.3	1899.4	1764.7	1632.8
27.5°	2736.9	2722.8	2701.8	2669.5	2596.6	2502.5	2362.3	2205.2	2038.2	1875.5	1729.6
30°	2954.3	2941.6	2920.6	2888.3	2823.8	2731.3	2572.7	2404.4	2196.8	2007.4	1832.0
32.5°	3188.6	3184.3	3160.5	3114.2	3058.1	2933.2	2760.7	2579.7	2369.3	2150.4	1945.7
35°	3453.7	3421.4	3399.0	3352.7	3257.2	3124.0	2922.0	2724.2	2502.5	2278.2	2049.5
37.5°	3678.1	3647.3	3619.2	3560.3	3443.8	3274.1	3045.4	2828.0	2599.4	2370.7	2137.9
40°	3842.3	3826.8	3793.1	3716.0	3585.5	3383.6	3136.7	2899.6	2669.5	2439.5	2209.4
42.5°	3964.3	3940.4	3902.5	3822.6	3668.3	3438.3	3173.1	2929.0	2701.8	2481.5	2255.6
45°	4009.1	3989.5	3954.4	3867.5	3700.6	3453.7	3171.7	2920.6	2703.2	2494.2	2286.5
47.5°	3982.5	3962.9	3932.0	3850.6	3686.5	3435.5	3146.4	2896.8	2689.1	2498.3	2314.6
50°	3894.2	3882.9	3859.1	3790.3	3643.0	3400.4	3124.0	2884.1	2686.3	2519.4	2353.9
52.5°	3885.7	3878.7	3849.2	3780.5	3630.4	3389.1	3121.2	2891.2	2710.2	2546.1	2382.0
55°	4748.4	4648.9	4425.8	4236.4	3925.0	3554.6	3262.9	3004.8	2811.2	2651.3	2536.2
57.5°	6748.8	6600.1	6306.9	5946.5	5231.0	4528.2	3965.7	3558.9	3358.3	3285.3	3328.9
60°	7685.9	7659.2	7612.9	7441.8	7075.7	6471.0	5797.7	5069.7	4777.9	4752.7	4841.1
62.5°	8130.6	8113.7	8127.8	8106.7	7993.1	7816.3	7622.7	7308.5	7019.6	6833.0	6437.4
65°	8335.4	8346.6	8426.6	8489.6	8503.7	8550.0	8691.7	9083.0	9369.2	8888.1	7789.7
67.5°	7814.9	7880.9	8064.6	8294.7	8564.1	8824.9	9245.7	10070.6	10658.4	10093.1	8533.2
69°	6469.6	6501.9	6950.8	7384.2	8042.2	8502.3	9112.5	10194.0	10854.8	10216.5	8474.2
70°	5093.5	5123.0	5604.1	6193.3	7305.7	7897.7	8695.9	9985.1	10671.0	10052.3	8171.2
72.5°	2297.8	2255.6	2425.4	2741.0	3950.3	4890.1	6285.9	8089.9	8803.9	8053.4	6113.3
75°	1604.8	1586.5	1604.8	1606.1	1794.2	2314.6	2920.6	4385.1	5423.2	4679.7	2920.6
77.5°	1242.9	1230.2	1217.6	1203.6	1226.1	1373.3	1432.3	1555.7	2020.0	1910.6	1113.8
80°	983.4	972.1	1003.0	993.2	993.2	1010.1	998.8	952.5	865.5	802.4	718.2
82.5°	457.3	460.1	460.1	499.4	601.8	702.8	735.1	688.7	611.6	520.5	419.4
85°	43.4	49.1	82.8	127.6	253.9	286.1	287.5	238.5	238.5	188.0	151.5
87.5°	0.0	1.4	1.4	1.4	12.7	35.1	29.5	8.4	4.2	4.2	7.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7
2.5°	746.2	742.1	725.2	708.4	692.9	676.1	660.7	645.3	628.5	615.8	600.4
5°	872.6	841.7	806.6	772.9	739.3	704.2	667.7	635.4	601.8	571.0	541.5
7.5°	1000.2	939.9	892.2	831.8	777.1	722.4	671.9	620.0	572.4	527.4	485.4
10°	1108.2	1035.3	960.9	883.7	805.2	732.3	662.1	600.4	537.3	482.5	430.7
12.5°	1196.6	1104.0	1012.8	916.0	827.6	735.1	648.1	573.8	499.4	437.7	384.4
15°	1276.6	1170.0	1060.5	948.3	836.1	730.9	634.1	541.5	465.8	395.6	335.3
17.5°	1341.0	1219.0	1095.5	969.3	848.7	725.2	615.8	519.1	430.7	357.7	298.8
20°	1397.2	1269.5	1136.3	994.6	857.1	723.8	600.4	491.0	399.8	322.6	265.1
22.5°	1449.1	1321.4	1178.3	1026.8	869.8	722.4	586.3	470.0	373.1	296.0	238.5
25°	1508.0	1373.3	1223.3	1060.5	892.2	728.0	578.0	453.1	349.3	270.7	217.4
27.5°	1574.0	1432.3	1276.6	1102.6	921.6	739.3	575.2	434.9	328.3	246.9	200.6
30°	1666.5	1502.4	1329.9	1144.7	948.3	751.9	572.4	423.6	307.2	228.7	183.7
32.5°	1747.9	1571.1	1388.8	1188.2	977.8	764.6	571.0	408.2	287.5	210.4	171.2
35°	1833.4	1634.2	1439.3	1230.2	1003.0	778.5	569.5	397.0	269.3	192.2	158.5
37.5°	1907.8	1687.5	1478.5	1266.7	1031.1	791.2	571.0	387.2	252.5	176.7	147.3
40°	1970.9	1742.2	1522.1	1300.4	1060.5	810.8	572.4	377.3	235.6	162.7	137.5
42.5°	2027.0	1794.2	1568.3	1338.2	1094.1	833.2	580.7	368.9	221.7	150.1	127.6
45°	2070.5	1841.9	1618.8	1391.5	1148.8	869.8	596.2	363.4	207.6	138.9	119.3
47.5°	2115.4	1912.0	1704.4	1475.7	1228.8	927.3	622.8	362.0	196.4	130.4	112.2
50°	2177.1	1982.2	1780.1	1561.3	1301.8	986.1	655.1	363.4	182.3	122.0	105.2
52.5°	2222.1	2053.7	1878.3	1710.0	1475.7	1165.7	779.9	388.6	175.3	115.1	96.8
55°	2487.2	2457.7	2461.9	2490.0	2308.9	1983.5	1304.6	561.1	206.2	130.4	95.3
57.5°	3507.0	3610.8	3671.1	3669.7	3370.9	2795.7	1752.1	721.0	230.0	151.5	113.6
60°	4848.0	4769.5	4658.6	4385.1	3988.1	3191.4	1959.7	775.7	199.2	120.7	103.8
62.5°	6033.4	5573.2	5165.1	4721.8	4201.3	3328.9	2001.8	771.5	174.0	91.2	72.9
65°	6772.7	5945.0	5285.7	4730.2	4117.1	3213.8	1893.8	708.4	147.3	74.3	60.3
67.5°	6949.4	5744.4	4811.6	4103.2	3439.6	2501.1	1390.1	533.0	115.1	61.8	53.3
69°	6563.7	5106.2	3986.7	3182.9	2502.5	1659.5	859.9	336.7	88.4	56.1	49.1
70°	6037.6	4441.2	3247.5	2554.4	1853.1	1165.7	601.8	237.0	71.5	51.9	44.9
72.5°	3884.3	2332.9	1596.4	1111.0	764.6	464.3	235.6	106.6	54.7	43.4	36.5
75°	1506.6	862.7	625.7	475.5	371.7	258.1	143.1	68.7	46.3	36.5	28.1
77.5°	742.1	568.1	464.3	318.4	185.2	115.1	77.1	53.3	37.9	26.7	18.2
80°	586.3	390.0	232.8	144.5	109.4	82.8	58.9	43.4	28.1	16.8	12.7
82.5°	300.2	164.1	120.7	98.2	81.4	64.6	47.7	30.9	18.2	11.3	9.9
85°	94.0	68.7	61.8	60.3	56.1	46.3	33.7	19.6	11.3	7.0	7.0
87.5°	7.0	9.9	12.7	9.9	11.3	9.9	12.7	8.4	5.6	5.6	4.2
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°	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7	646.7
2.5°	589.2	572.4	556.9	547.1	528.8	521.9	514.8	512.0	499.4	502.2	491.0
5°	514.8	485.4	462.9	440.5	419.4	404.0	391.4	375.9	363.4	357.7	346.5
7.5°	447.4	409.6	380.2	356.3	331.1	311.4	294.6	283.4	272.1	260.9	255.4
10°	388.6	347.9	314.2	290.4	266.5	249.7	237.0	228.7	221.7	217.4	216.0
12.5°	333.9	294.6	263.7	242.7	224.5	216.0	210.4	206.2	204.8	203.4	203.4
15°	291.8	252.5	228.7	213.2	204.8	200.6	199.2	196.4	193.6	192.2	192.2
17.5°	252.5	223.1	206.2	197.8	193.6	190.8	188.0	185.2	182.3	180.9	180.9
20°	225.9	202.0	193.6	188.0	183.7	180.9	176.7	174.0	172.6	171.2	169.8
22.5°	204.8	189.4	183.7	179.5	174.0	169.8	167.0	164.1	161.3	159.9	158.5
25°	189.4	179.5	175.3	169.8	164.1	159.9	155.7	151.5	148.7	147.3	144.5
27.5°	178.1	171.2	165.5	158.5	152.9	148.7	144.5	140.3	137.5	134.7	133.3
30°	168.4	161.3	154.3	148.7	141.7	137.5	131.9	127.6	126.2	123.4	120.7
32.5°	158.5	151.5	144.5	137.5	130.4	124.8	122.0	116.5	113.6	112.2	109.4
35°	147.3	140.3	131.9	126.2	119.3	113.6	109.4	105.2	102.4	99.6	98.2
37.5°	137.5	129.0	120.7	113.6	108.0	102.4	98.2	94.0	91.2	88.4	87.0
40°	126.2	117.9	109.4	102.4	96.8	92.6	88.4	84.2	81.4	80.0	80.0
42.5°	116.5	106.6	98.2	92.6	88.4	82.8	78.5	74.3	72.9	71.5	72.9
45°	106.6	96.8	89.8	84.2	80.0	74.3	70.1	67.3	66.0	67.3	68.7
47.5°	98.2	88.4	81.4	77.1	72.9	68.7	64.6	61.8	61.8	64.6	67.3
50°	89.8	80.0	74.3	71.5	67.3	63.2	57.5	56.1	57.5	60.3	63.2
52.5°	81.4	70.1	66.0	64.6	60.3	56.1	51.9	50.5	51.9	54.7	53.3
55°	72.9	61.8	60.3	58.9	54.7	49.1	44.9	44.9	44.9	43.4	40.7
57.5°	70.1	54.7	53.3	51.9	47.7	42.0	39.3	36.5	35.1	30.9	29.5
60°	72.9	49.1	49.1	46.3	42.0	36.5	32.3	28.1	25.2	22.4	22.4
62.5°	58.9	44.9	43.4	40.7	35.1	29.5	25.2	21.0	19.6	18.2	18.2
65°	47.7	40.7	37.9	33.7	29.5	23.8	19.6	16.8	15.4	15.4	16.8
67.5°	43.4	36.5	32.3	28.1	23.8	18.2	15.4	14.0	14.0	15.4	15.4
69°	40.7	33.7	29.5	25.2	21.0	16.8	14.0	14.0	14.0	14.0	15.4
70°	37.9	32.3	28.1	23.8	18.2	14.0	12.7	12.7	14.0	14.0	15.4
72.5°	29.5	25.2	23.8	19.6	14.0	12.7	11.3	12.7	12.7	14.0	14.0
75°	22.4	18.2	18.2	15.4	11.3	9.9	9.9	11.3	11.3	12.7	12.7
77.5°	15.4	12.7	12.7	11.3	9.9	8.4	8.4	9.9	11.3	11.3	12.7
80°	11.3	9.9	8.4	9.9	8.4	7.0	8.4	9.9	9.9	11.3	11.3
82.5°	8.4	8.4	8.4	8.4	7.0	7.0	8.4	8.4	9.9	11.3	11.3
85°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	8.4	8.4	9.9	9.9
87.5°	4.2	4.2	4.2	5.6	5.6	7.0	7.0	7.0	7.0	8.4	8.4
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°
0°	646.7	646.7	646.7	646.7
2.5°	488.2	486.8	481.1	482.5
5°	342.2	333.9	339.4	338.0
7.5°	251.1	249.7	248.3	251.1
10°	214.6	214.6	213.2	214.6
12.5°	202.0	202.0	202.0	202.0
15°	192.2	192.2	190.8	190.8
17.5°	180.9	180.9	180.9	179.5
20°	169.8	168.4	168.4	168.4
22.5°	157.1	155.7	155.7	155.7
25°	144.5	143.1	143.1	143.1
27.5°	131.9	130.4	129.0	129.0
30°	119.3	117.9	116.5	116.5
32.5°	106.6	105.2	103.8	103.8
35°	95.3	95.3	94.0	92.6
37.5°	85.6	85.6	85.6	85.6
40°	78.5	80.0	80.0	80.0
42.5°	74.3	75.7	77.1	78.5
45°	71.5	74.3	75.7	75.7
47.5°	70.1	71.5	72.9	72.9
50°	64.6	63.2	63.2	63.2
52.5°	51.9	49.1	47.7	46.3
55°	37.9	36.5	33.7	33.7
57.5°	26.7	26.7	25.2	25.2
60°	21.0	21.0	19.6	21.0
62.5°	18.2	18.2	18.2	18.2
65°	16.8	16.8	16.8	16.8
67.5°	16.8	16.8	16.8	16.8
69°	15.4	15.4	15.4	15.4
70°	15.4	15.4	15.4	15.4
72.5°	14.0	14.0	14.0	14.0
75°	12.7	14.0	14.0	14.0
77.5°	12.7	12.7	12.7	12.7
80°	11.3	11.3	12.7	12.7
82.5°	11.3	11.3	11.3	11.3
85°	9.9	9.9	11.3	11.3
87.5°	8.4	8.4	9.9	9.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)