

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: P181569

Luminaire Tested: **ICM-E06-LED-E1-T4-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181569
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-T4-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10794.7 lumens
Efficiency: N/A
Efficacy: 71.7 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 - G3

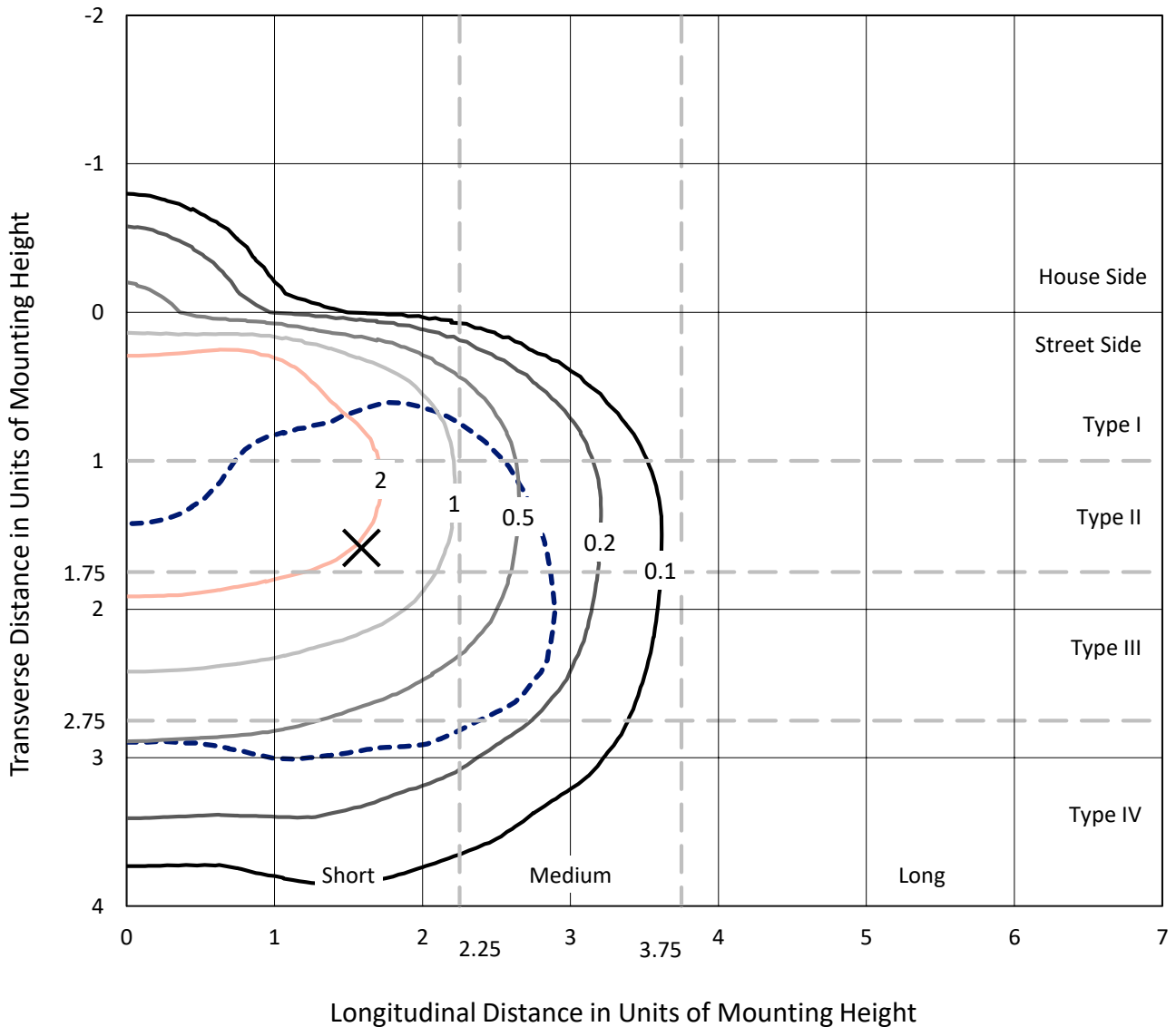
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

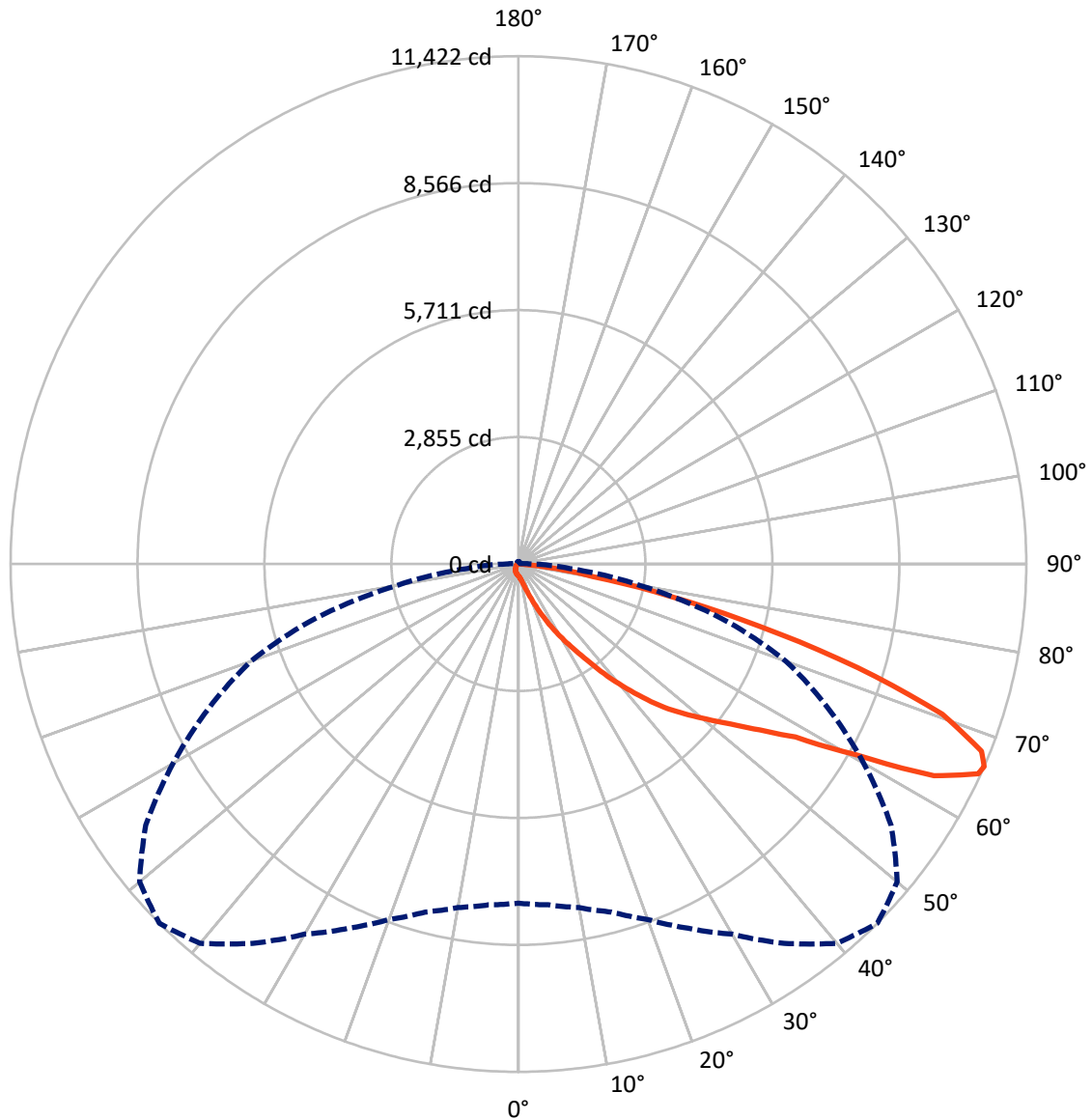


Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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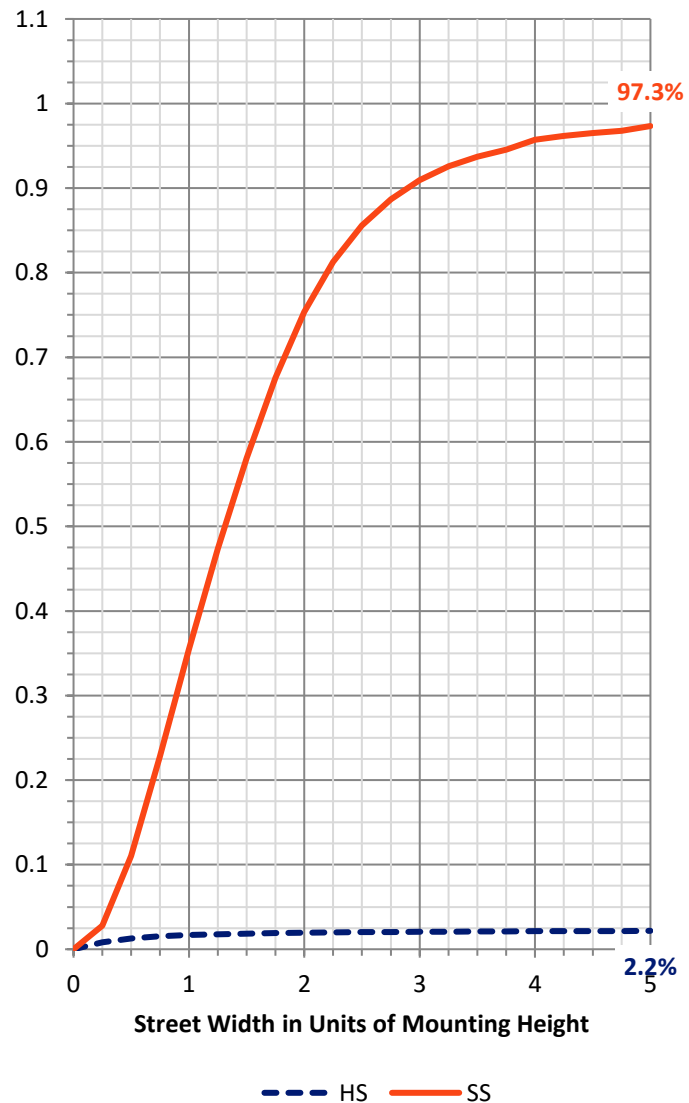
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	244.7	0.0	244.7
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	10550.0	0.0	10550.0
	% Fixture	97.7	0.0	97.7
Total	Lumens	10794.7	0.0	10794.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.2	0.3
10°-20°	110.1	1.0
20°-30°	322.5	3.0
30°-40°	753.3	7.0
40°-50°	1415.0	13.1
50°-60°	2345.0	21.7
60°-70°	3722.6	34.5
70°-80°	1925.2	17.8
80°-90°	173.9	1.6
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°	10794.7	100.0
0°-180°	10794.7	100.0



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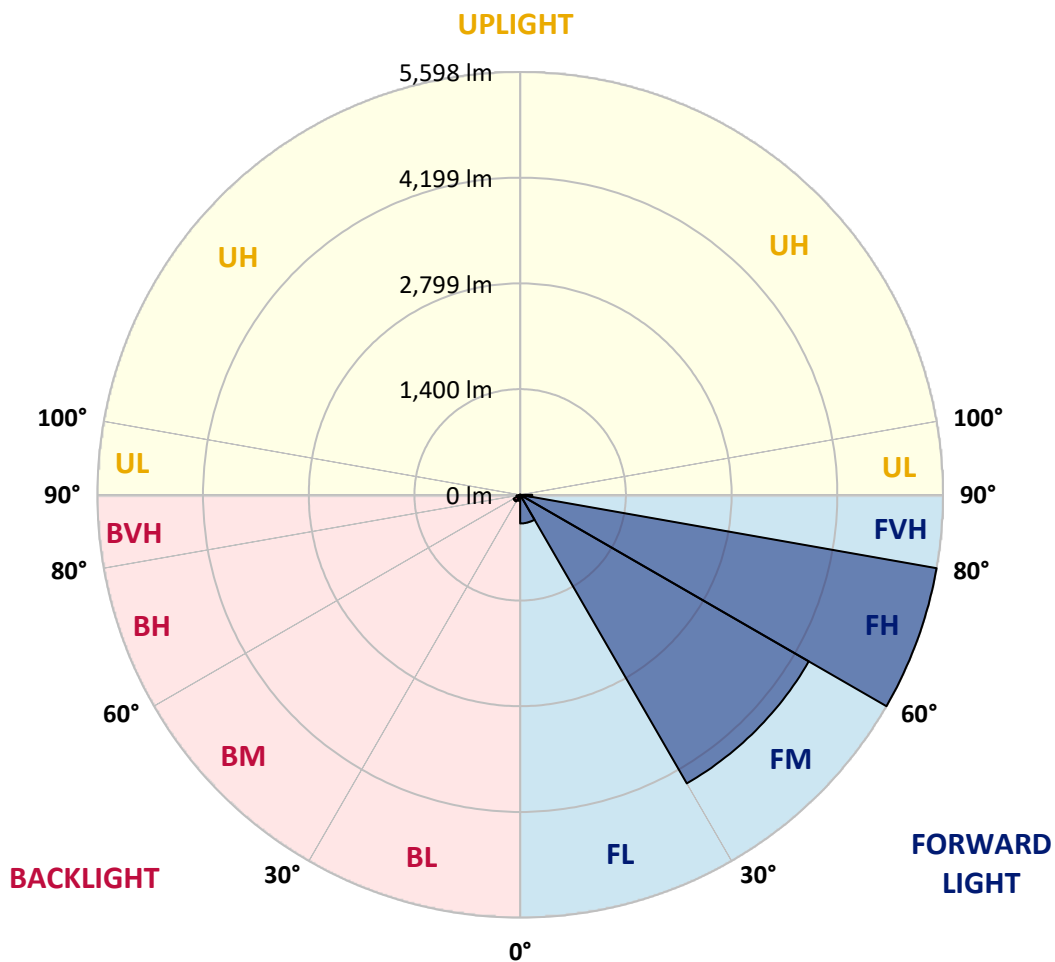
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.8	3.5			
FM	(30°-60°)	4411.8	40.9			
FH	(60°-80°)	5598.2	51.9			G3/7500
FVH	(80°-90°)	160.1	1.5			G2/225
BL	(0°-30°)	79.9	0.7	B0/110		
BM	(30°-60°)	101.5	0.9	B0/220		
BH	(60°-80°)	49.6	0.5	B0/110		G0/110
BVH	(80°-90°)	13.7	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8
2.5°	292.1	292.1	292.1	292.1	290.2	288.4	286.5	284.7	282.8	282.8	280.9
5°	331.2	333.0	331.2	329.3	325.6	323.7	318.1	314.4	308.8	307.0	301.4
7.5°	385.1	383.3	385.1	379.5	372.1	370.2	362.8	353.5	346.0	334.9	327.4
10°	463.3	461.4	463.3	452.1	440.9	431.6	418.6	407.4	390.7	377.7	362.8
12.5°	587.9	587.9	584.2	569.3	554.4	534.0	513.5	489.3	459.5	433.5	409.3
15°	779.5	770.2	753.5	744.2	718.1	686.5	664.2	615.8	573.0	532.1	483.7
17.5°	1010.2	991.6	978.6	958.1	924.7	883.7	846.5	775.8	733.0	666.1	597.2
20°	1274.4	1252.1	1248.4	1216.8	1181.4	1136.8	1082.8	999.1	926.5	842.8	746.1
22.5°	1544.2	1547.9	1533.0	1510.7	1475.4	1423.3	1339.5	1263.3	1174.0	1067.9	943.3
25°	1845.6	1843.7	1830.7	1804.7	1778.6	1713.5	1646.5	1574.0	1467.9	1332.1	1183.3
27.5°	2128.4	2126.5	2094.9	2096.8	2046.5	2022.3	1957.2	1879.1	1750.7	1637.2	1475.4
30°	2424.2	2405.6	2385.1	2370.2	2334.9	2292.1	2258.6	2165.6	2068.8	1934.9	1802.8
32.5°	2723.7	2703.3	2708.9	2690.2	2662.3	2619.6	2569.3	2493.0	2388.9	2258.6	2135.8
35°	3090.3	3080.9	3066.1	3071.6	3066.1	3034.4	2991.6	2891.2	2777.7	2653.0	2526.5
37.5°	3361.9	3352.6	3361.9	3401.0	3410.3	3430.7	3399.1	3348.9	3267.0	3131.2	2999.1
40°	3613.0	3614.9	3657.7	3706.1	3739.6	3806.5	3817.7	3797.2	3732.1	3607.5	3434.4
42.5°	3838.2	3866.1	3905.1	3985.1	4057.7	4152.6	4223.3	4234.4	4186.1	4104.2	3929.3
45°	4089.3	4113.5	4174.9	4269.8	4370.3	4487.5	4601.0	4660.5	4656.8	4599.1	4411.2
47.5°	4370.3	4401.9	4468.9	4547.0	4681.0	4813.1	4960.0	5066.1	5110.7	5030.7	4848.4
50°	4710.7	4723.7	4781.4	4881.9	5004.7	5157.2	5317.2	5471.7	5559.1	5484.7	5296.8
52.5°	5114.4	5118.2	5172.1	5265.1	5363.8	5531.2	5687.5	5901.4	6014.9	5974.0	5748.9
55°	5668.9	5657.7	5694.9	5774.9	5854.9	6016.8	6173.1	6414.9	6580.5	6584.2	6344.2
57.5°	6426.1	6400.0	6424.2	6487.5	6576.8	6727.5	6924.7	7138.6	7360.0	7345.2	7148.0
60°	7481.0	7471.7	7516.3	7622.4	7774.9	7931.2	8154.5	8442.8	8638.2	8705.2	8498.7
62.5°	8182.4	8208.4	8310.7	8474.5	8768.4	9092.1	9507.0	9948.0	10320.1	10487.5	10202.9
65°	7881.0	7923.8	8083.8	8325.6	8714.5	9200.1	9750.8	10474.5	11116.3	11371.2	11075.4
66°	7626.1	7694.9	7845.6	8102.4	8508.0	9038.2	9613.1	10413.1	11135.0	11421.5	11120.1
67.5°	7185.2	7233.5	7404.7	7689.3	8124.7	8649.4	9270.8	10115.4	10930.3	11233.6	10934.0
70°	6286.6	6305.2	6444.7	6686.6	7023.3	7561.0	8124.7	8937.7	9687.5	10113.6	9786.1
72.5°	4679.1	4705.1	4935.8	5376.8	5814.0	6119.1	6452.1	7103.3	7587.0	7985.2	7921.9
75°	2251.2	2262.3	2416.8	3060.5	3912.6	4277.2	4586.1	5090.3	5274.5	5607.5	5557.2
77.5°	1427.0	1451.2	1551.6	1707.9	2191.6	2625.1	2868.9	3157.2	3211.2	3492.1	3328.4
80°	392.6	455.8	556.3	818.6	1404.7	1674.4	1784.2	1773.0	1784.2	1698.6	1642.8
82.5°	80.0	78.1	94.9	147.0	619.5	974.9	1053.0	896.7	891.2	857.7	885.6
85°	20.5	18.6	22.3	46.5	106.0	288.4	362.8	202.8	154.4	147.0	130.2
87.5°	5.6	5.6	5.6	9.3	11.2	14.9	20.5	14.9	11.2	11.2	11.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8
2.5°	279.1	279.1	277.2	275.4	275.4	273.5	271.6	269.8	267.9	266.0	264.2
5°	295.8	292.1	286.5	282.8	279.1	273.5	269.8	266.0	262.3	260.5	256.7
7.5°	318.1	308.8	301.4	290.2	282.8	275.4	267.9	262.3	256.7	253.0	249.3
10°	346.0	331.2	316.3	301.4	288.4	277.2	266.0	256.7	251.2	245.6	241.9
12.5°	381.4	359.1	338.6	316.3	295.8	279.1	264.2	253.0	245.6	240.0	234.4
15°	439.1	403.7	368.4	334.9	308.8	282.8	262.3	249.3	240.0	234.4	228.8
17.5°	530.2	467.0	411.2	364.7	321.9	288.4	262.3	245.6	234.4	227.0	221.4
20°	662.3	558.1	468.8	401.9	346.0	297.7	262.3	240.0	228.8	219.5	214.0
22.5°	818.6	688.4	565.6	454.0	374.0	310.7	262.3	234.4	221.4	214.0	206.5
25°	1047.4	874.4	707.0	550.7	420.5	331.2	267.9	230.7	215.8	206.5	199.1
27.5°	1315.4	1107.0	898.6	679.1	491.2	360.9	275.4	227.0	210.2	199.1	191.6
30°	1620.5	1389.8	1134.9	850.2	584.2	400.0	288.4	225.1	202.8	191.6	182.3
32.5°	1951.6	1707.9	1428.8	1069.8	721.9	459.5	305.1	223.3	195.4	182.3	171.2
35°	2346.1	2119.1	1778.6	1378.6	935.8	561.9	342.3	227.0	187.9	173.0	160.0
37.5°	2777.7	2535.8	2174.9	1706.1	1147.9	677.2	370.2	221.4	174.9	160.0	147.0
40°	3213.0	2935.8	2569.3	2050.2	1417.7	818.6	405.6	215.8	161.9	147.0	134.0
42.5°	3637.2	3345.1	2947.0	2403.7	1702.3	986.1	450.2	215.8	152.6	134.0	120.9
45°	4081.9	3730.3	3294.9	2742.3	1985.1	1177.7	513.5	214.0	141.4	122.8	107.9
47.5°	4502.4	4085.6	3585.1	3040.0	2288.4	1387.9	586.1	215.8	132.1	111.6	98.6
50°	4900.5	4422.4	3882.8	3306.1	2578.6	1614.9	675.4	217.7	122.8	102.3	89.3
52.5°	5335.8	4805.6	4202.8	3579.6	2865.1	1843.7	779.5	221.4	113.5	93.0	81.9
55°	5875.4	5287.5	4597.2	3914.4	3168.4	2074.4	880.0	225.1	104.2	85.6	74.4
57.5°	6653.1	5983.3	5237.2	4416.8	3570.3	2336.8	984.2	234.4	96.7	80.0	68.8
60°	7918.2	7120.0	6258.6	5291.2	4171.2	2692.1	1134.9	254.9	87.4	72.6	65.1
62.5°	9440.1	8480.1	7384.2	6210.3	4736.8	2932.1	1235.4	277.2	80.0	67.0	61.4
65°	10206.6	8997.3	7734.0	6467.0	4809.3	2861.4	1194.4	269.8	70.7	59.5	52.1
66°	10228.9	8969.4	7685.6	6411.2	4734.9	2775.8	1155.4	266.0	68.8	57.7	48.4
67.5°	10016.8	8729.4	7428.9	6158.2	4515.4	2610.2	1084.7	253.0	63.3	52.1	42.8
70°	8969.4	7715.4	6522.8	5348.9	3884.7	2199.1	909.8	223.3	55.8	46.5	39.1
72.5°	7149.8	6128.4	5123.8	4208.4	3019.6	1650.2	718.1	182.3	48.4	40.9	33.5
75°	4993.5	4154.4	3389.8	2736.8	1897.7	987.9	465.1	128.4	40.9	33.5	27.9
77.5°	2787.0	2210.2	1670.7	1272.6	757.2	308.8	154.4	65.1	35.3	26.0	22.3
80°	1417.7	1051.2	800.0	589.8	349.8	160.0	78.1	42.8	27.9	20.5	18.6
82.5°	824.2	604.7	481.9	381.4	240.0	120.9	63.3	31.6	18.6	14.9	16.7
85°	184.2	243.7	206.5	174.9	128.4	76.3	44.7	20.5	13.0	13.0	14.9
87.5°	14.9	20.5	18.6	24.2	26.0	24.2	18.6	11.2	9.3	11.2	11.2
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°	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8	269.8
2.5°	262.3	260.5	260.5	258.6	256.7	256.7	256.7	254.9	256.7	256.7	256.7
5°	254.9	253.0	251.2	249.3	247.4	245.6	245.6	243.7	243.7	243.7	245.6
7.5°	247.4	243.7	241.9	238.1	236.3	234.4	234.4	232.6	232.6	232.6	232.6
10°	238.1	234.4	230.7	228.8	227.0	223.3	223.3	221.4	219.5	219.5	219.5
12.5°	230.7	227.0	223.3	219.5	215.8	214.0	212.1	210.2	208.4	208.4	208.4
15°	223.3	217.7	214.0	210.2	206.5	202.8	200.9	199.1	197.2	195.4	195.4
17.5°	215.8	210.2	204.7	200.9	197.2	193.5	191.6	186.0	186.0	184.2	184.2
20°	206.5	200.9	195.4	191.6	187.9	184.2	180.5	176.7	173.0	171.2	171.2
22.5°	199.1	193.5	187.9	182.3	176.7	171.2	167.4	163.7	161.9	160.0	158.1
25°	191.6	184.2	176.7	171.2	165.6	160.0	156.3	152.6	148.8	147.0	147.0
27.5°	182.3	174.9	167.4	160.0	154.4	148.8	145.1	139.5	137.7	135.8	134.0
30°	173.0	163.7	156.3	148.8	143.3	135.8	132.1	128.4	124.7	124.7	122.8
32.5°	161.9	152.6	145.1	137.7	130.2	124.7	120.9	117.2	115.3	111.6	111.6
35°	150.7	141.4	132.1	124.7	119.1	113.5	109.8	106.0	102.3	100.5	100.5
37.5°	137.7	128.4	120.9	113.5	107.9	102.3	98.6	94.9	93.0	91.2	89.3
40°	122.8	113.5	107.9	102.3	96.7	93.0	87.4	83.7	81.9	80.0	78.1
42.5°	109.8	100.5	96.7	93.0	87.4	83.7	78.1	74.4	70.7	68.8	67.0
45°	98.6	91.2	87.4	83.7	78.1	72.6	68.8	65.1	61.4	59.5	59.5
47.5°	87.4	81.9	78.1	74.4	68.8	65.1	59.5	57.7	54.0	54.0	54.0
50°	80.0	74.4	70.7	67.0	63.3	57.7	54.0	52.1	50.2	50.2	52.1
52.5°	74.4	68.8	65.1	61.4	57.7	54.0	50.2	48.4	48.4	50.2	52.1
55°	68.8	63.3	59.5	55.8	52.1	50.2	46.5	46.5	48.4	50.2	52.1
57.5°	65.1	57.7	54.0	52.1	48.4	46.5	46.5	46.5	48.4	50.2	54.0
60°	59.5	52.1	48.4	48.4	44.7	44.7	44.7	46.5	48.4	52.1	54.0
62.5°	52.1	46.5	44.7	44.7	42.8	42.8	44.7	46.5	50.2	52.1	54.0
65°	44.7	40.9	40.9	40.9	40.9	42.8	44.7	46.5	48.4	52.1	54.0
66°	40.9	39.1	39.1	40.9	40.9	42.8	44.7	46.5	48.4	50.2	52.1
67.5°	39.1	37.2	37.2	39.1	40.9	40.9	42.8	46.5	48.4	50.2	50.2
70°	33.5	33.5	33.5	37.2	39.1	40.9	42.8	44.7	46.5	48.4	50.2
72.5°	29.8	29.8	31.6	33.5	37.2	39.1	40.9	42.8	46.5	48.4	48.4
75°	26.0	26.0	29.8	31.6	35.3	37.2	40.9	42.8	44.7	46.5	46.5
77.5°	22.3	24.2	27.9	31.6	33.5	37.2	39.1	40.9	42.8	44.7	44.7
80°	20.5	24.2	27.9	29.8	31.6	33.5	35.3	39.1	40.9	42.8	44.7
82.5°	20.5	22.3	26.0	27.9	29.8	33.5	35.3	37.2	39.1	40.9	42.8
85°	16.7	20.5	22.3	26.0	27.9	31.6	33.5	33.5	35.3	37.2	39.1
87.5°	13.0	14.9	14.9	18.6	20.5	24.2	27.9	27.9	29.8	31.6	33.5
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°	269.8	269.8	269.8	269.8
2.5°	256.7	258.6	258.6	258.6
5°	245.6	245.6	245.6	245.6
7.5°	232.6	232.6	232.6	232.6
10°	219.5	219.5	221.4	219.5
12.5°	208.4	206.5	206.5	206.5
15°	195.4	195.4	193.5	195.4
17.5°	182.3	182.3	180.5	180.5
20°	169.3	169.3	169.3	169.3
22.5°	158.1	156.3	156.3	156.3
25°	145.1	145.1	145.1	145.1
27.5°	134.0	134.0	134.0	134.0
30°	122.8	122.8	120.9	120.9
32.5°	111.6	111.6	111.6	111.6
35°	100.5	100.5	98.6	98.6
37.5°	87.4	87.4	87.4	87.4
40°	76.3	76.3	76.3	76.3
42.5°	67.0	67.0	65.1	65.1
45°	57.7	57.7	57.7	57.7
47.5°	54.0	54.0	54.0	54.0
50°	52.1	54.0	54.0	54.0
52.5°	54.0	54.0	54.0	54.0
55°	54.0	55.8	55.8	55.8
57.5°	54.0	55.8	55.8	57.7
60°	55.8	57.7	57.7	57.7
62.5°	55.8	57.7	57.7	57.7
65°	54.0	55.8	55.8	55.8
66°	54.0	54.0	54.0	55.8
67.5°	52.1	54.0	54.0	54.0
70°	50.2	52.1	52.1	54.0
72.5°	50.2	52.1	52.1	52.1
75°	48.4	48.4	50.2	50.2
77.5°	46.5	46.5	48.4	48.4
80°	44.7	46.5	46.5	46.5
82.5°	42.8	44.7	44.7	44.7
85°	39.1	40.9	40.9	40.9
87.5°	33.5	33.5	35.3	35.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)