

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: P180642

Luminaire Tested: **ICS-F03-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180642
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: ICS-F03-LED-E1-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3529.9 lumens
Efficiency: N/A
Efficacy: 45.1 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 - G1

Input Watts (W): 78.3
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



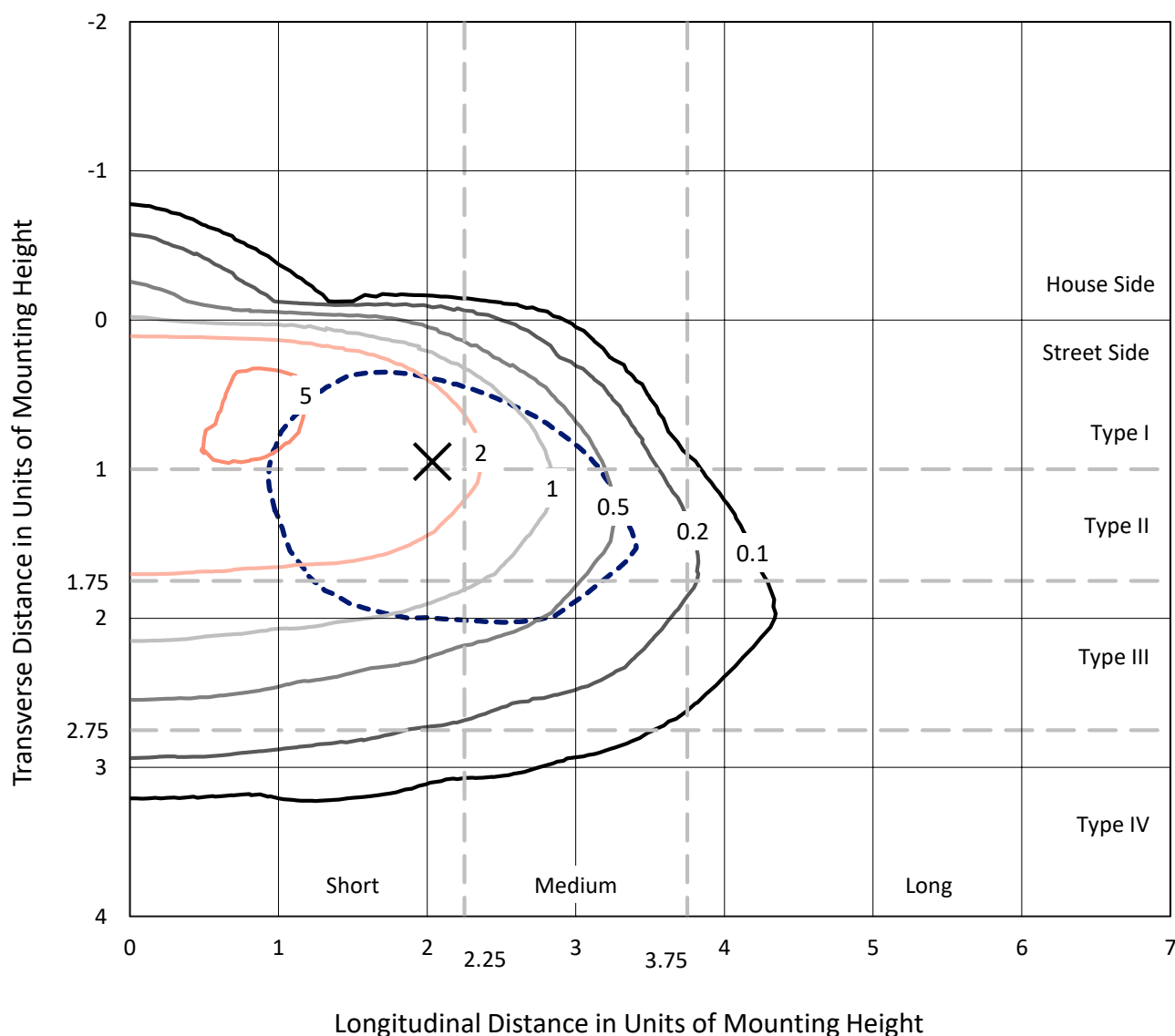
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

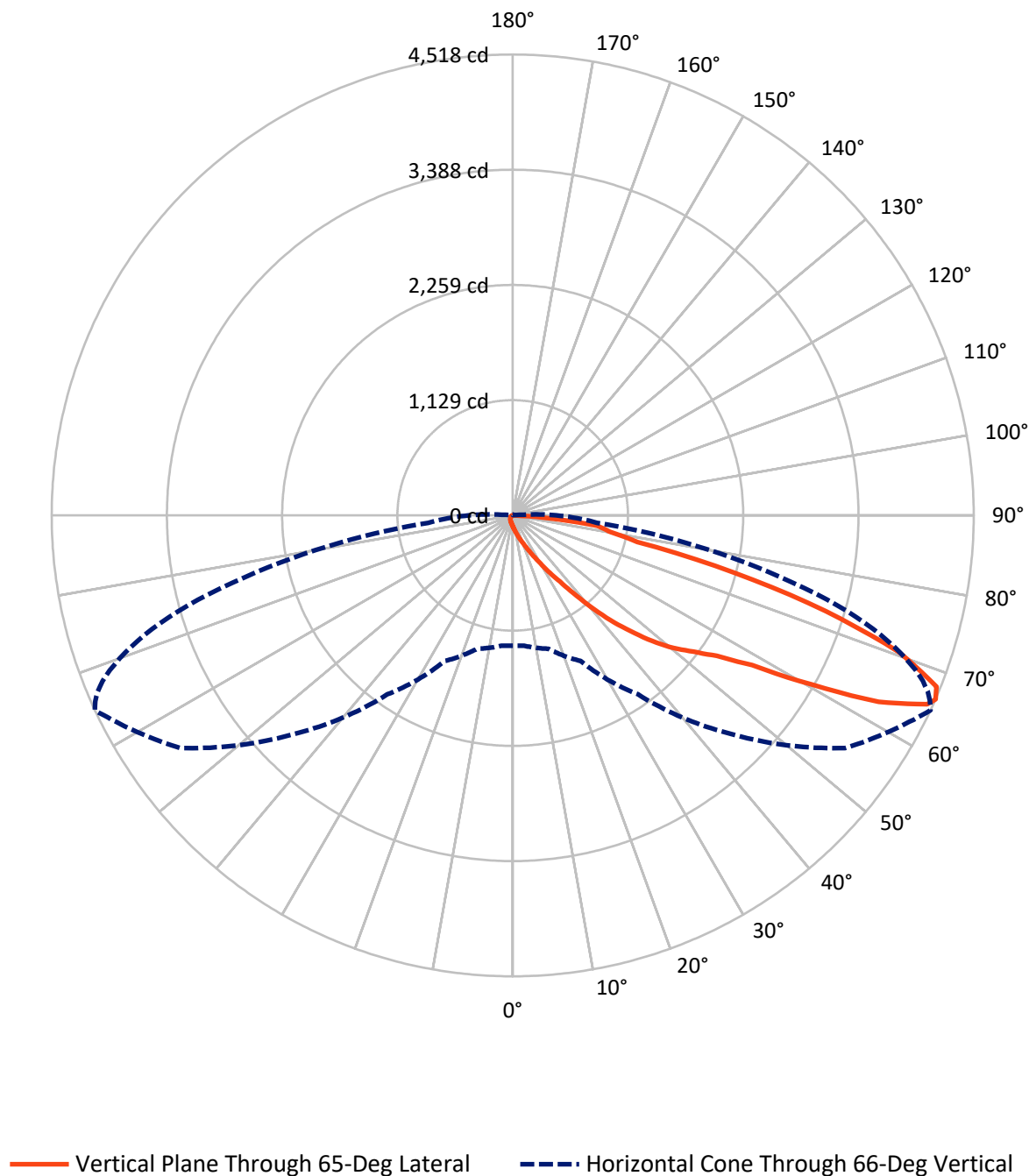


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	76.5	0.0	76.5
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	3453.4	0.0	3453.4
	% Fixture	97.8	0.0	97.8
Total	Lumens	3529.9	0.0	3529.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.3
10°-20°	50.6	1.4
20°-30°	109.1	3.1
30°-40°	232.9	6.6
40°-50°	515.1	14.6
50°-60°	873.0	24.7
60°-70°	1164.9	33.0
70°-80°	513.2	14.5
80°-90°	59.1	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°	3529.9	100.0
0°-180°	3529.9	100.0

Coefficient of Utilization



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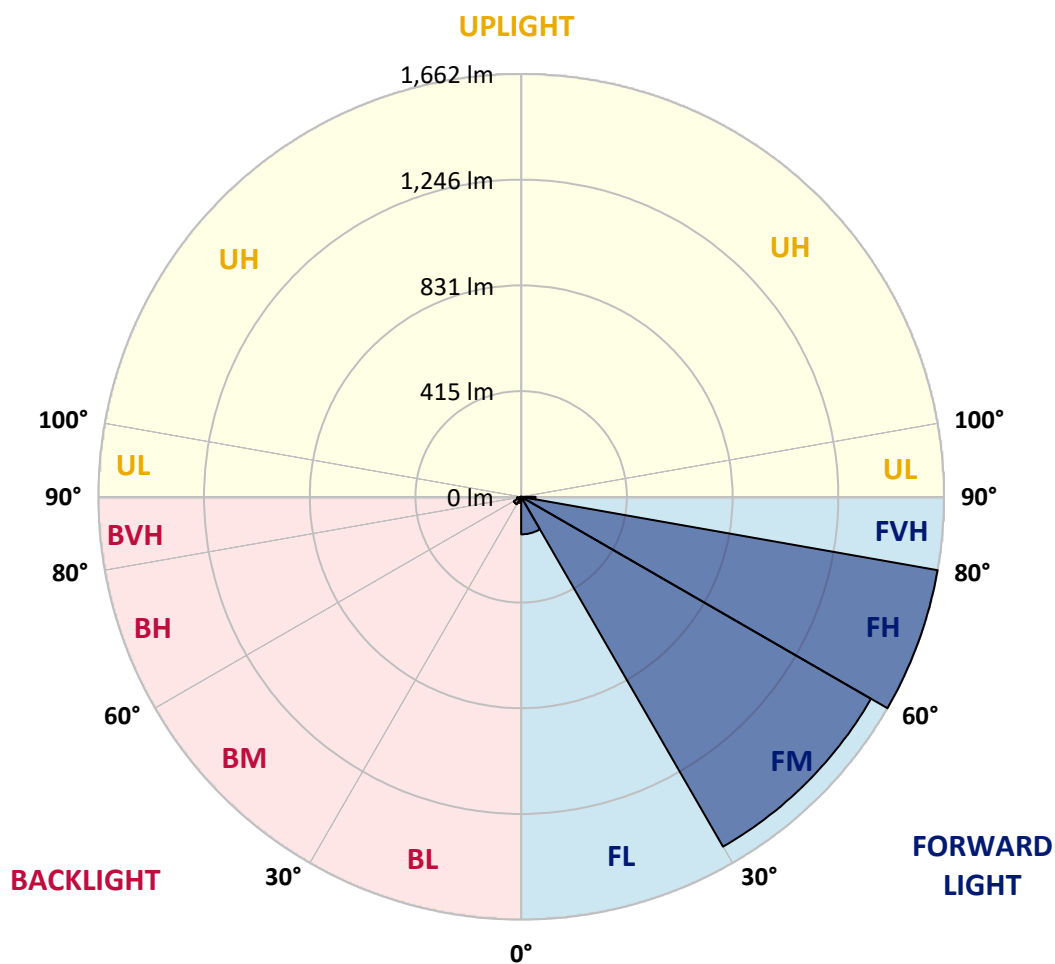
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.4	4.2			
FM	(30°-60°)	1587.5	45.0			
FH	(60°-80°)	1661.7	47.1			G1/1800
FVH	(80°-90°)	56.8	1.6			G1/100
BL	(0°-30°)	24.1	0.7	B0/110		
BM	(30°-60°)	33.6	1.0	B0/220		
BH	(60°-80°)	16.4	0.5	B0/110		G0/110
BVH	(80°-90°)	2.4	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	134.4	133.7	131.0	131.0	126.9	124.2	120.8	117.4	117.4	116.7	116.0
5°	177.8	173.7	173.1	165.6	159.5	150.7	142.5	131.7	130.3	128.9	128.3
7.5°	226.0	225.3	219.2	210.4	198.2	181.9	165.6	147.9	145.2	143.9	141.2
10°	288.4	285.0	276.9	262.0	243.6	221.9	195.4	167.6	164.2	161.5	160.2
12.5°	348.1	342.0	337.3	318.3	295.2	263.3	231.4	191.4	188.7	185.3	179.8
15°	403.8	398.4	390.2	373.9	348.1	308.1	270.8	221.9	215.1	210.4	206.3
17.5°	447.2	443.8	434.3	416.0	388.2	352.9	308.1	253.1	247.7	241.6	234.1
20°	488.6	483.9	468.9	443.8	414.0	386.8	352.2	293.8	286.4	278.9	270.8
22.5°	528.0	523.2	498.8	457.4	425.5	414.0	401.7	340.0	328.5	322.3	314.2
25°	582.9	572.8	534.8	468.9	426.2	435.0	456.0	399.7	388.9	380.0	367.1
27.5°	656.9	643.3	583.6	485.9	428.9	458.1	518.5	472.3	460.8	450.6	436.4
30°	740.4	731.6	660.3	526.6	448.6	492.0	588.4	564.6	551.0	538.8	521.9
32.5°	824.5	812.3	741.7	604.0	501.5	557.8	675.9	671.8	654.2	642.7	624.3
35°	898.5	892.4	840.1	730.9	622.3	673.2	792.6	797.4	781.8	769.6	749.2
37.5°	948.7	948.7	938.5	867.3	814.4	852.4	964.3	965.0	949.4	921.6	911.4
40°	974.5	982.0	1018.6	1032.2	1029.5	1078.3	1189.6	1177.4	1164.5	1150.3	1116.3
42.5°	1027.4	1034.2	1112.3	1205.9	1267.0	1331.5	1408.2	1404.1	1388.5	1362.7	1331.5
45°	1117.0	1125.8	1218.8	1367.4	1493.0	1584.6	1633.5	1614.5	1598.9	1574.4	1558.1
47.5°	1231.0	1248.0	1353.2	1537.1	1688.4	1839.8	1890.7	1840.4	1826.9	1807.9	1781.4
50°	1352.5	1368.8	1480.8	1691.1	1862.2	2042.7	2127.5	2042.7	2023.0	2016.9	1987.0
52.5°	1457.7	1471.3	1579.2	1809.9	1995.2	2206.9	2330.4	2218.4	2204.2	2183.8	2162.1
55°	1520.1	1531.0	1632.1	1866.9	2085.4	2354.8	2526.5	2428.1	2407.1	2399.0	2367.7
57.5°	1541.2	1552.0	1643.0	1874.4	2134.3	2489.9	2764.7	2768.1	2743.0	2713.8	2704.3
60°	1541.2	1553.4	1630.1	1856.1	2181.8	2633.8	3082.3	3365.3	3311.0	3305.6	3271.0
62.5°	1477.4	1488.9	1566.3	1799.7	2245.6	2827.9	3524.8	4024.3	4008.7	3973.4	3916.4
65°	1338.9	1345.7	1421.7	1655.9	2221.2	3006.3	3908.2	4462.7	4437.6	4368.3	4295.1
66°	1276.5	1281.9	1353.2	1573.7	2141.1	3030.8	3976.1	4517.6	4476.3	4417.9	4335.1
67.5°	1186.2	1195.7	1246.0	1421.1	1949.0	2945.9	3933.3	4479.0	4443.0	4372.4	4289.6
70°	792.0	785.2	962.3	1090.6	1484.8	2400.3	3528.9	4021.6	4022.2	3989.0	3955.7
72.5°	376.0	380.0	431.6	671.2	971.8	1603.6	2808.9	3209.9	3256.1	3196.4	3155.0
75°	270.1	276.2	307.4	410.6	579.6	962.3	1820.8	2244.9	2246.3	2140.4	2046.1
77.5°	78.7	82.1	115.4	253.1	434.3	649.4	1045.8	1248.0	1218.8	1142.8	1071.6
80°	32.6	32.6	33.9	80.8	174.4	441.1	731.6	960.9	957.5	928.4	886.3
82.5°	12.2	12.9	16.3	33.3	41.4	108.6	487.9	834.0	832.0	790.6	760.7
85°	1.4	1.4	4.1	14.3	15.6	20.4	97.7	367.8	365.8	367.8	322.3
87.5°	0.0	0.0	0.7	1.4	2.0	2.7	4.1	14.3	15.6	14.9	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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CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	116.0	114.7	114.7	114.0	114.0	114.0	113.3	112.7	112.7	112.0	111.3
5°	126.9	125.5	124.9	123.5	122.8	122.2	120.8	120.1	118.8	118.1	117.4
7.5°	139.8	137.1	136.4	134.4	132.3	131.0	129.6	127.6	126.2	123.5	122.8
10°	156.1	152.7	150.0	147.3	145.2	141.8	139.8	137.1	134.4	132.3	130.3
12.5°	177.1	172.4	168.3	165.6	160.8	156.8	152.7	150.7	145.2	142.5	139.1
15°	200.2	194.8	190.0	184.6	181.2	174.4	169.0	162.9	160.2	155.4	150.0
17.5°	230.1	221.2	213.8	208.3	201.6	194.8	188.7	182.6	174.4	169.0	162.2
20°	262.0	254.5	244.3	234.8	226.7	218.5	209.7	201.6	194.1	185.3	177.1
22.5°	302.7	291.8	279.6	270.1	259.2	250.4	238.2	227.3	215.1	203.6	194.1
25°	354.2	340.0	328.5	314.9	302.0	288.4	273.5	259.9	244.3	233.4	217.2
27.5°	418.0	404.5	388.9	371.2	358.3	338.0	318.3	301.3	283.0	266.0	247.7
30°	499.5	479.8	463.5	446.5	420.8	401.1	378.0	354.9	329.8	312.8	285.0
32.5°	597.2	576.2	551.7	527.3	503.5	475.7	447.2	418.7	390.9	359.7	331.2
35°	716.6	691.5	663.7	637.2	600.6	570.7	534.8	495.4	464.2	428.2	392.2
37.5°	874.8	833.4	808.9	781.1	731.6	690.8	650.8	611.4	556.5	518.5	467.6
40°	1072.9	1048.5	1008.4	963.7	918.9	865.3	811.0	758.7	694.9	642.0	582.9
42.5°	1305.7	1269.7	1229.0	1164.5	1119.1	1055.9	994.2	925.0	846.9	779.1	709.8
45°	1524.2	1481.5	1450.2	1385.8	1338.3	1263.6	1189.0	1115.7	1025.4	937.9	857.8
47.5°	1760.4	1725.1	1673.5	1621.2	1573.1	1488.9	1408.2	1319.3	1224.3	1120.4	1016.6
50°	1968.0	1940.2	1904.9	1841.8	1788.2	1717.6	1622.6	1525.6	1405.4	1302.3	1184.2
52.5°	2144.5	2122.8	2073.2	2028.4	1980.2	1913.7	1828.9	1735.9	1606.3	1493.0	1358.6
55°	2352.8	2337.2	2293.8	2265.9	2223.2	2159.4	2080.0	1993.8	1856.7	1733.2	1581.2
57.5°	2694.2	2681.9	2643.9	2632.4	2590.3	2534.7	2437.0	2344.7	2184.5	2031.1	1857.4
60°	3259.5	3235.0	3179.4	3150.9	3062.0	2987.3	2860.4	2733.5	2540.1	2344.7	2135.7
62.5°	3864.8	3796.3	3690.4	3599.5	3473.2	3343.6	3174.0	2979.9	2753.2	2521.1	2280.9
65°	4191.2	4074.5	3940.8	3796.3	3632.7	3442.0	3228.2	2995.5	2751.8	2506.9	2253.1
66°	4228.5	4096.9	3955.1	3794.2	3612.4	3409.4	3192.3	2948.0	2694.8	2456.0	2202.2
67.5°	4181.7	4044.0	3894.0	3715.5	3518.7	3308.3	3080.3	2826.5	2582.9	2340.6	2093.6
70°	3853.9	3716.9	3583.2	3395.2	3185.5	2973.8	2758.0	2474.3	2243.6	2021.0	1801.1
72.5°	3077.6	2984.6	2852.3	2691.5	2487.2	2238.8	2059.0	1805.2	1605.0	1389.2	1218.8
75°	1923.2	1792.3	1628.7	1423.8	1267.7	1066.1	960.9	768.2	654.2	554.4	458.1
77.5°	983.3	884.9	770.2	654.9	544.3	434.3	335.9	237.5	160.2	111.3	82.8
80°	812.3	725.5	630.4	525.3	427.5	331.9	238.9	162.9	103.8	67.9	52.9
82.5°	671.2	597.9	513.0	415.3	330.5	260.6	181.2	118.1	73.3	47.5	37.3
85°	285.7	259.2	200.2	158.8	119.4	88.2	61.8	41.4	29.2	23.8	21.7
87.5°	12.2	13.6	12.9	10.2	7.5	7.5	6.8	5.4	5.4	5.4	5.4
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5	106.5
2.5°	111.3	110.6	109.9	109.9	109.3	108.6	104.5	101.1	97.0	94.3	91.6
5°	116.0	115.4	114.0	113.3	112.0	111.3	102.5	95.0	88.9	84.2	80.8
7.5°	120.8	120.1	118.1	116.0	115.4	114.0	99.8	90.3	82.1	76.7	73.3
10°	126.9	124.9	122.8	120.1	118.1	116.0	97.0	84.8	76.0	71.3	67.9
12.5°	135.7	132.3	128.9	125.5	122.8	119.4	95.7	80.1	71.3	65.8	62.4
15°	145.9	141.2	137.1	133.0	128.3	124.9	93.0	76.0	67.2	61.8	57.7
17.5°	155.4	150.0	143.9	137.8	133.0	128.3	90.3	71.9	63.1	57.7	53.6
20°	169.0	160.8	153.4	145.9	139.1	133.0	86.2	67.9	59.7	53.6	49.5
22.5°	183.9	174.4	164.9	154.7	145.9	137.8	82.8	64.5	56.3	50.2	45.5
25°	202.9	191.4	178.5	165.6	155.4	144.5	79.4	61.1	52.9	46.8	42.1
27.5°	229.4	213.1	198.8	182.6	166.9	154.7	76.7	58.4	49.5	43.4	38.7
30°	265.3	241.6	219.2	201.6	183.2	165.6	74.0	55.0	46.8	40.0	34.6
32.5°	305.4	277.6	251.8	225.3	202.2	181.9	71.3	52.3	43.4	36.6	31.9
35°	354.9	319.6	285.0	254.5	226.7	199.5	68.5	49.5	40.7	33.3	28.5
37.5°	426.2	382.1	336.6	297.2	261.3	225.3	66.5	46.8	37.3	29.9	25.1
40°	523.9	466.9	411.3	357.6	310.8	266.0	63.8	44.1	34.6	27.1	22.4
42.5°	629.8	560.5	487.3	426.9	362.4	306.1	61.1	41.4	31.9	24.4	19.7
45°	761.4	675.2	586.3	504.2	425.5	352.9	58.4	38.7	28.5	21.7	17.0
47.5°	905.3	795.4	694.9	591.8	498.1	411.3	55.0	36.6	25.8	19.0	14.9
50°	1053.2	937.2	810.3	692.9	581.6	469.6	51.6	33.3	23.1	17.0	12.2
52.5°	1212.7	1075.6	946.0	800.1	670.5	546.3	48.2	30.5	21.0	14.9	10.2
55°	1415.6	1262.3	1110.2	946.7	790.6	635.2	44.8	27.1	18.3	12.9	8.1
57.5°	1670.8	1488.9	1302.3	1117.7	928.4	751.9	42.1	23.8	15.6	10.9	6.8
60°	1911.7	1699.3	1473.3	1260.9	1047.1	841.5	38.0	21.0	13.6	8.8	6.8
62.5°	2036.6	1794.3	1550.7	1316.5	1088.5	873.4	33.9	17.6	11.5	7.5	6.1
65°	2006.0	1759.0	1522.8	1286.7	1063.4	853.0	29.9	15.6	10.2	6.8	6.1
66°	1961.9	1717.6	1480.1	1255.5	1042.4	831.3	27.8	14.9	9.5	6.8	5.4
67.5°	1865.6	1629.4	1402.7	1193.7	984.7	789.9	25.1	13.6	8.8	6.1	5.4
70°	1593.4	1379.0	1197.8	1011.8	841.5	665.7	20.4	11.5	7.5	5.4	5.4
72.5°	1054.6	908.7	787.9	678.0	566.7	439.8	17.0	9.5	6.1	5.4	4.8
75°	397.7	359.7	308.8	277.6	242.3	212.4	13.6	6.1	4.8	4.8	4.8
77.5°	70.6	65.1	57.7	52.9	48.9	44.8	10.9	4.1	4.1	4.8	4.8
80°	47.5	44.1	40.0	36.6	33.9	30.5	7.5	3.4	4.1	4.1	4.8
82.5°	33.9	31.9	29.9	27.1	25.1	22.4	4.8	3.4	4.1	4.1	4.1
85°	20.4	19.0	17.6	16.3	14.3	13.6	3.4	3.4	3.4	4.1	4.1
87.5°	5.4	4.8	5.4	5.4	4.1	4.8	2.7	2.7	2.7	3.4	3.4
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):

	145°	155°	165°	175°	180°
0°	106.5	106.5	106.5	106.5	106.5
2.5°	90.3	90.3	88.9	90.9	90.9
5°	78.0	78.0	77.4	78.0	78.0
7.5°	71.3	70.6	70.6	70.6	71.3
10°	65.1	64.5	64.5	64.5	64.5
12.5°	59.7	59.0	58.4	59.0	59.0
15°	55.0	53.6	53.6	53.6	53.6
17.5°	50.9	49.5	48.9	48.9	48.9
20°	46.8	44.8	44.8	44.8	44.8
22.5°	42.8	40.7	40.7	40.7	40.7
25°	38.7	36.6	36.6	36.6	36.6
27.5°	35.3	33.3	33.3	33.3	33.3
30°	31.2	29.9	29.9	30.5	29.9
32.5°	28.5	26.5	26.5	27.1	27.1
35°	25.1	23.8	23.8	23.8	23.8
37.5°	21.7	20.4	20.4	20.4	20.4
40°	19.0	17.6	17.0	17.6	17.6
42.5°	16.3	14.9	14.3	14.3	14.3
45°	14.3	12.2	11.5	12.2	12.2
47.5°	11.5	10.2	10.2	10.9	10.9
50°	8.8	8.8	9.5	10.9	10.9
52.5°	8.1	8.1	9.5	10.9	10.9
55°	7.5	8.1	9.5	10.2	10.9
57.5°	6.8	8.1	9.5	10.2	10.2
60°	6.8	7.5	8.8	10.2	10.2
62.5°	6.1	6.8	8.1	9.5	9.5
65°	6.1	6.8	8.1	9.5	9.5
66°	6.1	6.8	8.1	9.5	9.5
67.5°	6.1	6.8	8.1	9.5	9.5
70°	6.1	6.8	8.1	8.8	8.8
72.5°	5.4	6.1	7.5	8.8	8.8
75°	5.4	6.1	7.5	8.8	8.8
77.5°	5.4	6.1	7.5	8.8	8.8
80°	5.4	6.1	7.5	8.1	8.8
82.5°	4.8	6.1	6.8	8.1	8.1
85°	4.8	5.4	6.8	7.5	8.1
87.5°	4.1	4.8	5.4	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)