

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: P180632

Luminaire Tested: **ICS-F02-LED-E1-SL3-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180632
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-F02-LED-E1-SL3-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2353.2 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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



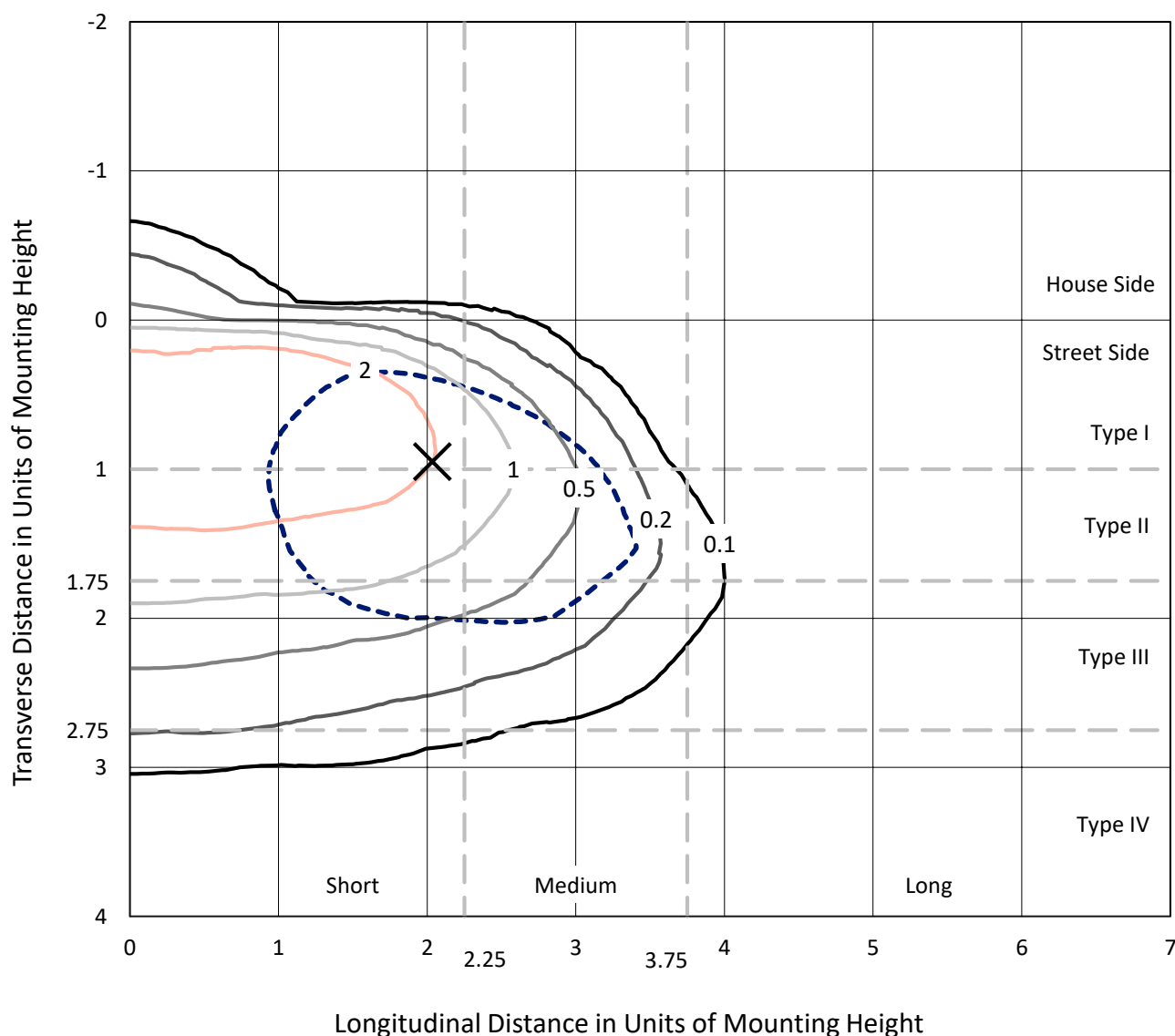
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

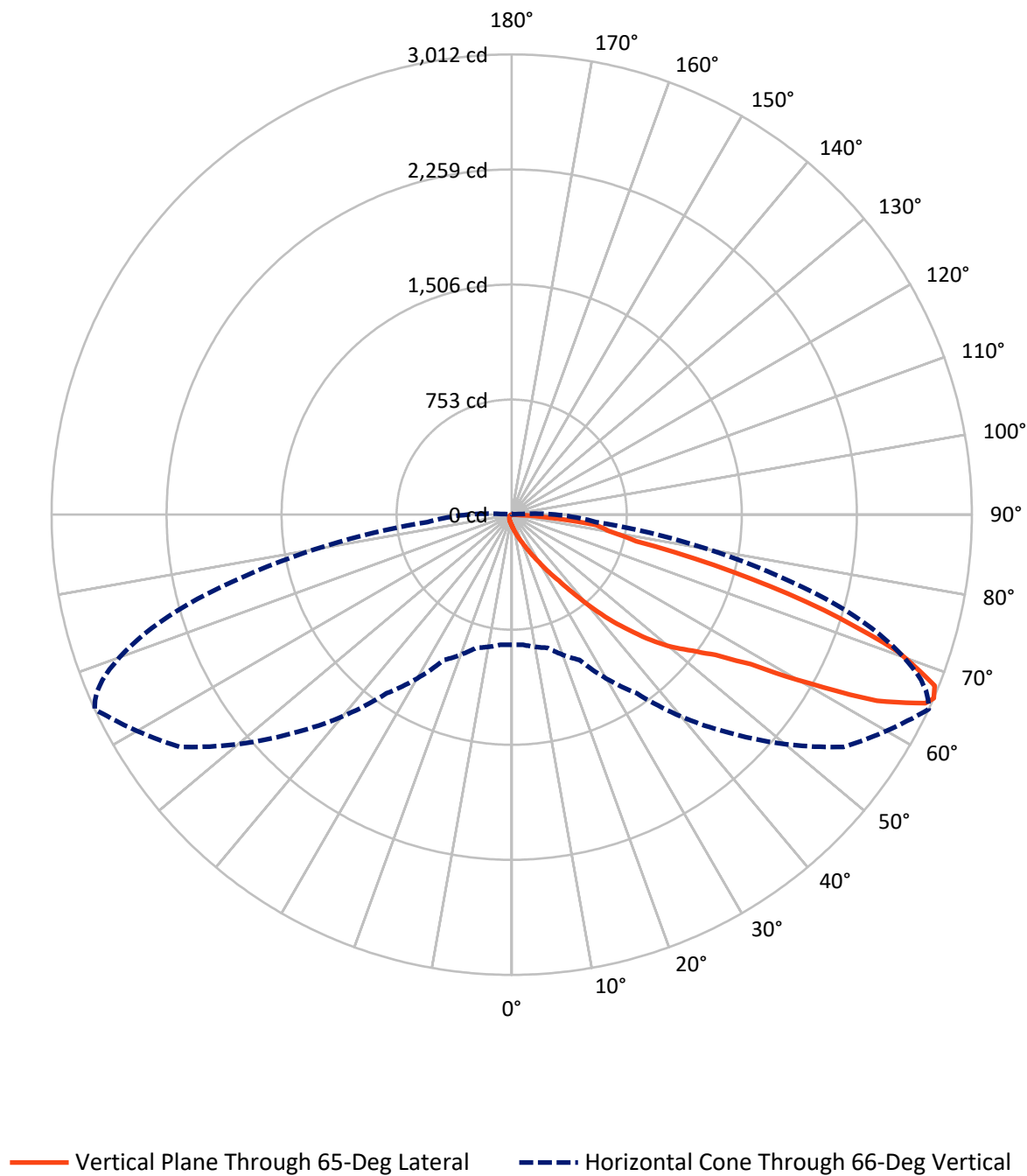


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	51.0	0.0	51.0
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	2302.3	0.0	2302.3
	% Fixture	97.8	0.0	97.8
Total	Lumens	2353.2	0.0	2353.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.0	0.3
10°-20°	33.7	1.4
20°-30°	72.7	3.1
30°-40°	155.3	6.6
40°-50°	343.4	14.6
50°-60°	582.0	24.7
60°-70°	776.6	33.0
70°-80°	342.1	14.5
80°-90°	39.4	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°	2353.2	100.0
0°-180°	2353.2	100.0

Coefficient of Utilization



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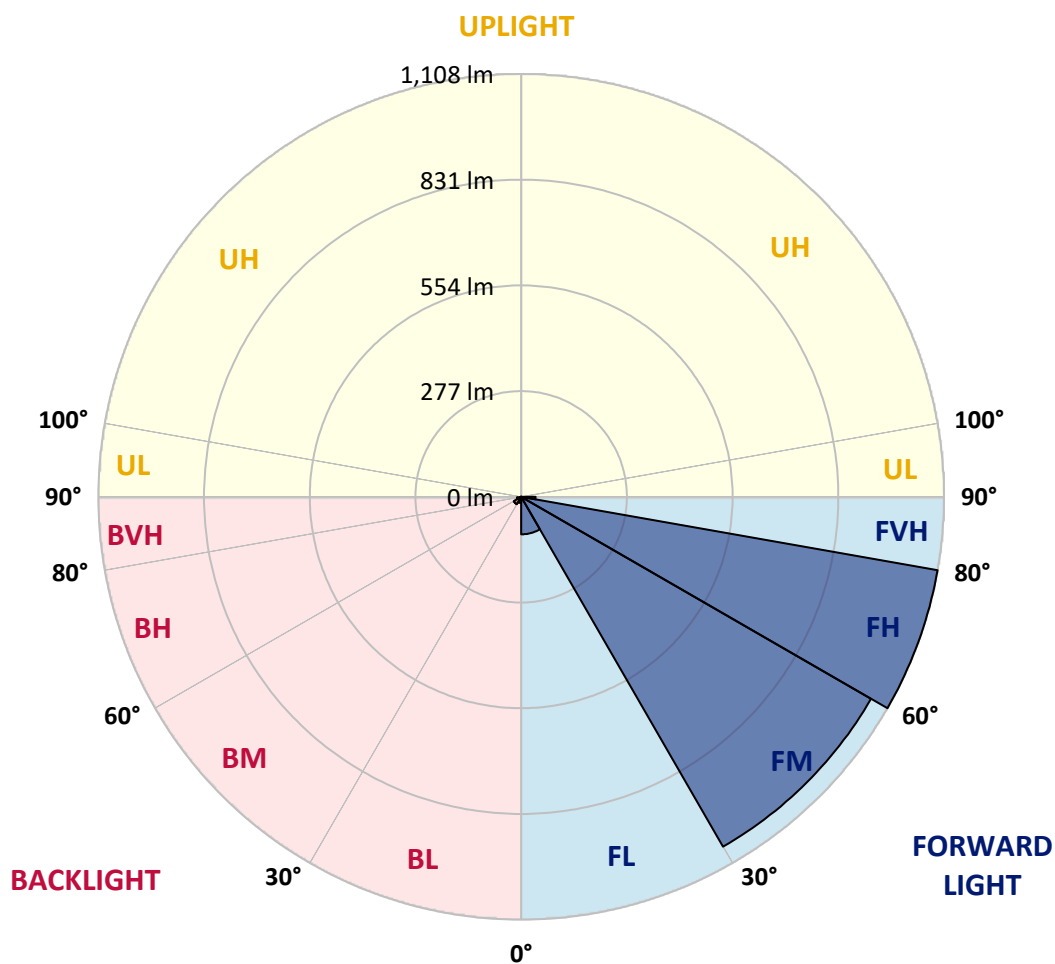
CATALOG NUMBER: ICS-F02-LED-E1-SL3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.3	4.2			
FM	(30°-60°)	1058.3	45.0			
FH	(60°-80°)	1107.8	47.1			G1/1800
FVH	(80°-90°)	37.8	1.6			G1/100
BL	(0°-30°)	16.1	0.7	B0/110		
BM	(30°-60°)	22.4	1.0	B0/220		
BH	(60°-80°)	10.9	0.5	B0/110		G0/110
BVH	(80°-90°)	1.6	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°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	89.6	89.1	87.3	87.3	84.6	82.8	80.5	78.3	78.3	77.8	77.4
5°	118.5	115.8	115.4	110.4	106.3	100.4	95.0	87.8	86.9	86.0	85.5
7.5°	150.7	150.2	146.1	140.3	132.1	121.2	110.4	98.6	96.8	95.9	94.1
10°	192.3	190.0	184.6	174.6	162.4	147.9	130.3	111.7	109.5	107.7	106.8
12.5°	232.1	228.0	224.9	212.2	196.8	175.5	154.3	127.6	125.8	123.5	119.9
15°	269.2	265.6	260.1	249.3	232.1	205.4	180.5	147.9	143.4	140.3	137.5
17.5°	298.1	295.9	289.5	277.3	258.8	235.3	205.4	168.8	165.1	161.1	156.1
20°	325.7	322.6	312.6	295.9	276.0	257.9	234.8	195.9	190.9	185.9	180.5
22.5°	352.0	348.8	332.5	304.9	283.7	276.0	267.8	226.7	219.0	214.9	209.5
25°	388.6	381.8	356.5	312.6	284.1	290.0	304.0	266.5	259.2	253.4	244.8
27.5°	437.9	428.9	389.1	323.9	285.9	305.4	345.6	314.9	307.2	300.4	290.9
30°	493.6	487.7	440.2	351.1	299.1	328.0	392.2	376.4	367.4	359.2	347.9
32.5°	549.7	541.5	494.5	402.7	334.3	371.9	450.6	447.9	436.1	428.4	416.2
35°	599.0	594.9	560.1	487.3	414.9	448.8	528.4	531.6	521.2	513.0	499.5
37.5°	632.5	632.5	625.7	578.2	542.9	568.2	642.9	643.3	632.9	614.4	607.6
40°	649.7	654.7	679.1	688.1	686.3	718.9	793.1	784.9	776.4	766.9	744.2
42.5°	685.0	689.5	741.5	804.0	844.7	887.6	938.8	936.1	925.7	908.5	887.6
45°	744.7	750.6	812.5	911.6	995.3	1056.4	1089.0	1076.3	1065.9	1049.6	1038.8
47.5°	820.7	832.0	902.1	1024.7	1125.6	1226.5	1260.4	1227.0	1217.9	1205.2	1187.6
50°	901.7	912.5	987.2	1127.4	1241.4	1361.8	1418.3	1361.8	1348.7	1344.6	1324.7
52.5°	971.8	980.8	1052.8	1206.6	1330.1	1471.3	1553.6	1479.0	1469.5	1455.9	1441.4
55°	1013.4	1020.7	1088.1	1244.6	1390.3	1569.9	1684.4	1618.8	1604.7	1599.3	1578.5
57.5°	1027.4	1034.7	1095.3	1249.6	1422.9	1659.9	1843.2	1845.4	1828.7	1809.2	1802.9
60°	1027.4	1035.6	1086.7	1237.4	1454.5	1755.8	2054.9	2243.6	2207.4	2203.7	2180.7
62.5°	984.9	992.6	1044.2	1199.8	1497.1	1885.2	2349.9	2682.9	2672.4	2648.9	2610.9
65°	892.6	897.2	947.8	1103.9	1480.8	2004.2	2605.5	2975.1	2958.4	2912.2	2863.4
66°	851.0	854.6	902.1	1049.2	1427.4	2020.5	2650.7	3011.8	2984.2	2945.3	2890.1
67.5°	790.8	797.2	830.6	947.4	1299.4	1964.0	2622.2	2986.0	2962.0	2914.9	2859.8
70°	528.0	523.5	641.5	727.0	989.9	1600.2	2352.6	2681.0	2681.5	2659.3	2637.2
72.5°	250.6	253.4	287.7	447.4	647.9	1069.1	1872.6	2139.9	2170.7	2130.9	2103.3
75°	180.1	184.1	204.9	273.7	386.4	641.5	1213.8	1496.6	1497.5	1426.9	1364.0
77.5°	52.5	54.7	76.9	168.8	289.5	433.0	697.2	832.0	812.5	761.9	714.4
80°	21.7	21.7	22.6	53.8	116.3	294.1	487.7	640.6	638.4	618.9	590.9
82.5°	8.1	8.6	10.9	22.2	27.6	72.4	325.3	556.0	554.7	527.1	507.2
85°	0.9	0.9	2.7	9.5	10.4	13.6	65.1	245.2	243.9	245.2	214.9
87.5°	0.0	0.0	0.5	0.9	1.4	1.8	2.7	9.5	10.4	10.0	9.0
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°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	77.4	76.5	76.5	76.0	76.0	76.0	75.6	75.1	75.1	74.6	74.2
5°	84.6	83.7	83.2	82.3	81.9	81.4	80.5	80.1	79.2	78.7	78.3
7.5°	93.2	91.4	90.9	89.6	88.2	87.3	86.4	85.1	84.2	82.3	81.9
10°	104.1	101.8	100.0	98.2	96.8	94.6	93.2	91.4	89.6	88.2	86.9
12.5°	118.1	114.9	112.2	110.4	107.2	104.5	101.8	100.4	96.8	95.0	92.7
15°	133.5	129.8	126.7	123.1	120.8	116.3	112.7	108.6	106.8	103.6	100.0
17.5°	153.4	147.5	142.5	138.9	134.4	129.8	125.8	121.7	116.3	112.7	108.1
20°	174.6	169.7	162.9	156.5	151.1	145.7	139.8	134.4	129.4	123.5	118.1
22.5°	201.8	194.5	186.4	180.1	172.8	166.9	158.8	151.6	143.4	135.7	129.4
25°	236.2	226.7	219.0	209.9	201.3	192.3	182.3	173.3	162.9	155.6	144.8
27.5°	278.7	269.6	259.2	247.5	238.9	225.3	212.2	200.9	188.7	177.3	165.1
30°	333.0	319.9	309.0	297.7	280.5	267.4	252.0	236.6	219.9	208.6	190.0
32.5°	398.1	384.1	367.8	351.5	335.7	317.1	298.1	279.1	260.6	239.8	220.8
35°	477.8	461.0	442.5	424.8	400.4	380.5	356.5	330.3	309.5	285.5	261.5
37.5°	583.2	555.6	539.3	520.7	487.7	460.6	433.9	407.6	371.0	345.6	311.7
40°	715.3	699.0	672.3	642.4	612.6	576.8	540.6	505.8	463.3	428.0	388.6
42.5°	870.5	846.5	819.3	776.4	746.0	704.0	662.8	616.6	564.6	519.4	473.2
45°	1016.1	987.6	966.8	923.8	892.2	842.4	792.6	743.8	683.6	625.2	571.9
47.5°	1173.6	1150.1	1115.7	1080.8	1048.7	992.6	938.8	879.5	816.2	746.9	677.7
50°	1312.0	1293.5	1269.9	1227.9	1192.1	1145.1	1081.7	1017.0	937.0	868.2	789.5
52.5°	1429.6	1415.2	1382.1	1352.3	1320.2	1275.8	1219.3	1157.3	1070.9	995.3	905.7
55°	1568.5	1558.1	1529.2	1510.6	1482.1	1439.6	1386.7	1329.2	1237.8	1155.5	1054.1
57.5°	1796.1	1788.0	1762.6	1754.9	1726.9	1689.8	1624.6	1563.1	1456.3	1354.1	1238.3
60°	2173.0	2156.7	2119.6	2100.6	2041.3	1991.6	1907.0	1822.4	1693.4	1563.1	1423.8
62.5°	2576.5	2530.8	2460.3	2399.6	2315.5	2229.1	2116.0	1986.6	1835.5	1680.7	1520.6
65°	2794.2	2716.3	2627.2	2530.8	2421.8	2294.7	2152.2	1997.0	1834.6	1671.2	1502.0
66°	2819.0	2731.3	2636.7	2529.5	2408.2	2273.0	2128.2	1965.3	1796.6	1637.3	1468.1
67.5°	2787.8	2696.0	2596.0	2477.0	2345.8	2205.6	2053.5	1884.3	1721.9	1560.4	1395.7
70°	2569.3	2477.9	2388.8	2263.5	2123.7	1982.5	1838.6	1649.5	1495.7	1347.3	1200.7
72.5°	2051.7	1989.7	1901.5	1794.3	1658.1	1492.5	1372.6	1203.4	1070.0	926.1	812.5
75°	1282.2	1194.8	1085.8	949.2	845.1	710.8	640.6	512.1	436.1	369.6	305.4
77.5°	655.6	590.0	513.5	436.6	362.8	289.5	223.9	158.3	106.8	74.2	55.2
80°	541.5	483.6	420.3	350.2	285.0	221.2	159.3	108.6	69.2	45.2	35.3
82.5°	447.4	398.6	342.0	276.9	220.3	173.7	120.8	78.7	48.9	31.7	24.9
85°	190.5	172.8	133.5	105.9	79.6	58.8	41.2	27.6	19.5	15.8	14.5
87.5°	8.1	9.0	8.6	6.8	5.0	5.0	4.5	3.6	3.6	3.6	3.6
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2.5°	74.2	73.7	73.3	73.3	72.8	72.4	69.7	67.4	64.7	62.9	61.1
5°	77.4	76.9	76.0	75.6	74.6	74.2	68.3	63.3	59.3	56.1	53.8
7.5°	80.5	80.1	78.7	77.4	76.9	76.0	66.5	60.2	54.7	51.1	48.9
10°	84.6	83.2	81.9	80.1	78.7	77.4	64.7	56.6	50.7	47.5	45.2
12.5°	90.5	88.2	86.0	83.7	81.9	79.6	63.8	53.4	47.5	43.9	41.6
15°	97.3	94.1	91.4	88.7	85.5	83.2	62.0	50.7	44.8	41.2	38.5
17.5°	103.6	100.0	95.9	91.8	88.7	85.5	60.2	48.0	42.1	38.5	35.7
20°	112.7	107.2	102.2	97.3	92.7	88.7	57.5	45.2	39.8	35.7	33.0
22.5°	122.6	116.3	109.9	103.2	97.3	91.8	55.2	43.0	37.6	33.5	30.3
25°	135.3	127.6	119.0	110.4	103.6	96.4	52.9	40.7	35.3	31.2	28.1
27.5°	152.9	142.1	132.6	121.7	111.3	103.2	51.1	38.9	33.0	29.0	25.8
30°	176.9	161.1	146.1	134.4	122.2	110.4	49.3	36.6	31.2	26.7	23.1
32.5°	203.6	185.0	167.8	150.2	134.8	121.2	47.5	34.8	29.0	24.4	21.3
35°	236.6	213.1	190.0	169.7	151.1	133.0	45.7	33.0	27.1	22.2	19.0
37.5°	284.1	254.7	224.4	198.2	174.2	150.2	44.3	31.2	24.9	19.9	16.7
40°	349.3	311.3	274.2	238.4	207.2	177.3	42.5	29.4	23.1	18.1	14.9
42.5°	419.8	373.7	324.8	284.6	241.6	204.0	40.7	27.6	21.3	16.3	13.1
45°	507.6	450.2	390.9	336.1	283.7	235.3	38.9	25.8	19.0	14.5	11.3
47.5°	603.5	530.2	463.3	394.5	332.1	274.2	36.6	24.4	17.2	12.7	10.0
50°	702.2	624.8	540.2	461.9	387.7	313.1	34.4	22.2	15.4	11.3	8.1
52.5°	808.5	717.1	630.7	533.4	447.0	364.2	32.1	20.4	14.0	10.0	6.8
55°	943.7	841.5	740.2	631.1	527.1	423.5	29.9	18.1	12.2	8.6	5.4
57.5°	1113.9	992.6	868.2	745.1	618.9	501.3	28.1	15.8	10.4	7.2	4.5
60°	1274.5	1132.9	982.2	840.6	698.1	561.0	25.3	14.0	9.0	5.9	4.5
62.5°	1357.7	1196.2	1033.8	877.7	725.7	582.3	22.6	11.8	7.7	5.0	4.1
65°	1337.4	1172.7	1015.2	857.8	708.9	568.7	19.9	10.4	6.8	4.5	4.1
66°	1307.9	1145.1	986.7	837.0	694.9	554.2	18.5	10.0	6.3	4.5	3.6
67.5°	1243.7	1086.3	935.2	795.8	656.5	526.6	16.7	9.0	5.9	4.1	3.6
70°	1062.3	919.3	798.5	674.6	561.0	443.8	13.6	7.7	5.0	3.6	3.6
72.5°	703.1	605.8	525.3	452.0	377.8	293.2	11.3	6.3	4.1	3.6	3.2
75°	265.1	239.8	205.9	185.0	161.5	141.6	9.0	4.1	3.2	3.2	3.2
77.5°	47.1	43.4	38.5	35.3	32.6	29.9	7.2	2.7	2.7	3.2	3.2
80°	31.7	29.4	26.7	24.4	22.6	20.4	5.0	2.3	2.7	2.7	3.2
82.5°	22.6	21.3	19.9	18.1	16.7	14.9	3.2	2.3	2.7	2.7	2.7
85°	13.6	12.7	11.8	10.9	9.5	9.0	2.3	2.3	2.3	2.7	2.7
87.5°	3.6	3.2	3.6	3.6	2.7	3.2	1.8	1.8	1.8	2.3	2.3
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°	71.0	71.0	71.0	71.0	71.0
2.5°	60.2	60.2	59.3	60.6	60.6
5°	52.0	52.0	51.6	52.0	52.0
7.5°	47.5	47.1	47.1	47.1	47.5
10°	43.4	43.0	43.0	43.0	43.0
12.5°	39.8	39.4	38.9	39.4	39.4
15°	36.6	35.7	35.7	35.7	35.7
17.5°	33.9	33.0	32.6	32.6	32.6
20°	31.2	29.9	29.9	29.9	29.9
22.5°	28.5	27.1	27.1	27.1	27.1
25°	25.8	24.4	24.4	24.4	24.4
27.5°	23.5	22.2	22.2	22.2	22.2
30°	20.8	19.9	19.9	20.4	19.9
32.5°	19.0	17.6	17.6	18.1	18.1
35°	16.7	15.8	15.8	15.8	15.8
37.5°	14.5	13.6	13.6	13.6	13.6
40°	12.7	11.8	11.3	11.8	11.8
42.5°	10.9	10.0	9.5	9.5	9.5
45°	9.5	8.1	7.7	8.1	8.1
47.5°	7.7	6.8	6.8	7.2	7.2
50°	5.9	5.9	6.3	7.2	7.2
52.5°	5.4	5.4	6.3	7.2	7.2
55°	5.0	5.4	6.3	6.8	7.2
57.5°	4.5	5.4	6.3	6.8	6.8
60°	4.5	5.0	5.9	6.8	6.8
62.5°	4.1	4.5	5.4	6.3	6.3
65°	4.1	4.5	5.4	6.3	6.3
66°	4.1	4.5	5.4	6.3	6.3
67.5°	4.1	4.5	5.4	6.3	6.3
70°	4.1	4.5	5.4	5.9	5.9
72.5°	3.6	4.1	5.0	5.9	5.9
75°	3.6	4.1	5.0	5.9	5.9
77.5°	3.6	4.1	5.0	5.9	5.9
80°	3.6	4.1	5.0	5.4	5.9
82.5°	3.2	4.1	4.5	5.4	5.4
85°	3.2	3.6	4.5	5.0	5.4
87.5°	2.7	3.2	3.6	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)