

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: P180717

Luminaire Tested: **ICS-E01-LED-E1-SL3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180717
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E01-LED-E1-SL3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2495.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

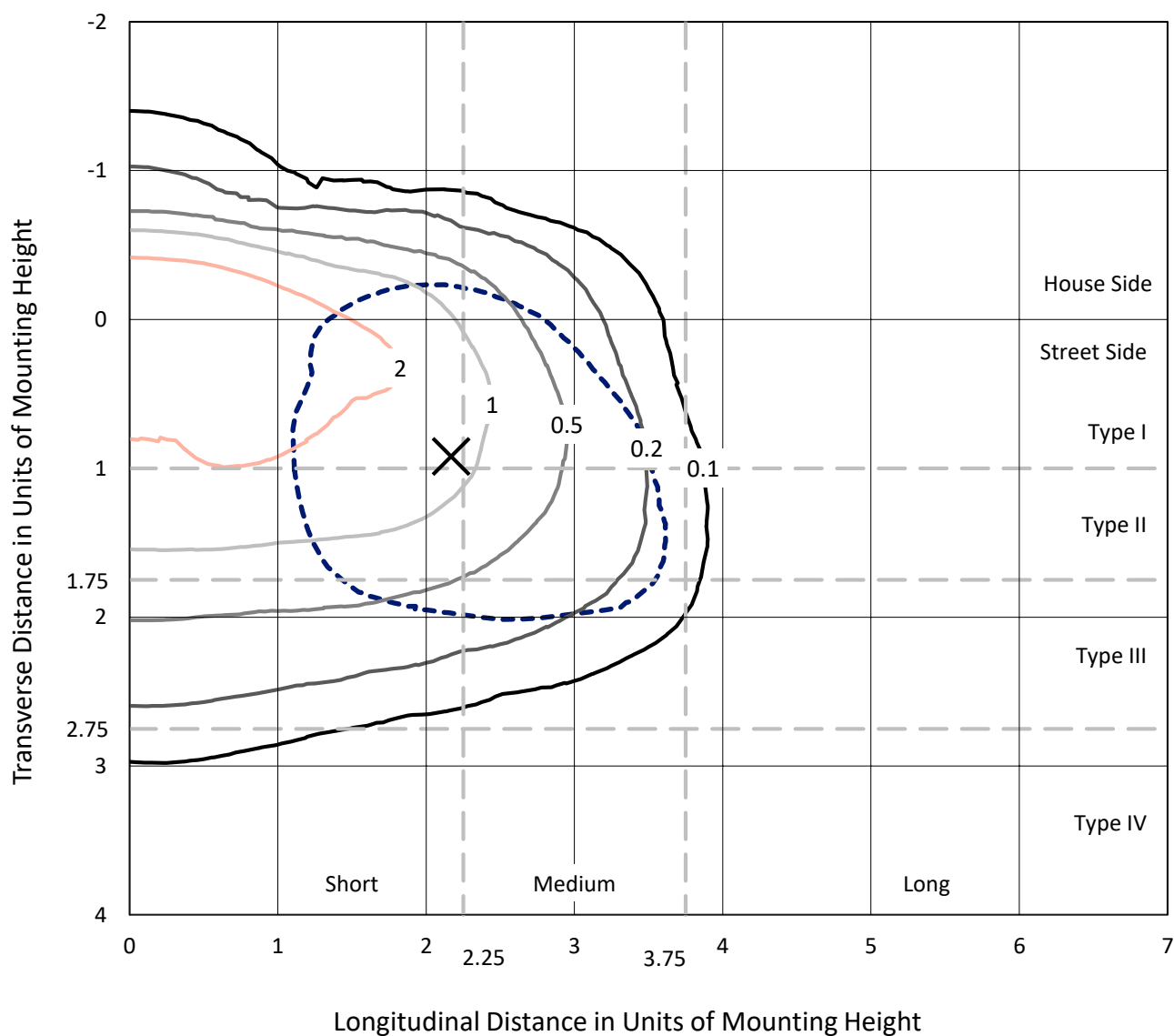


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

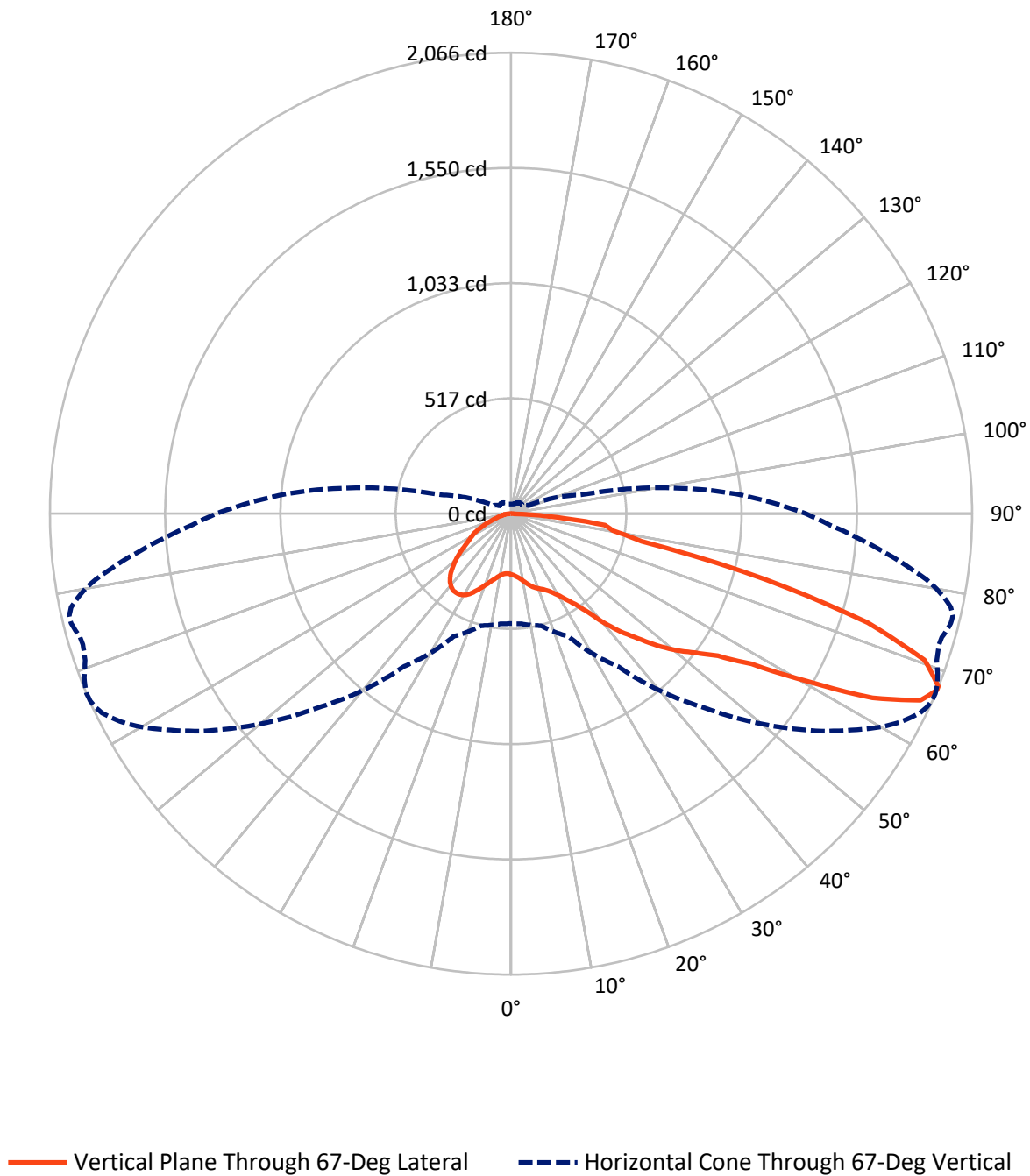


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.0	0.0	576.0
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	1919.9	0.0	1919.9
	% Fixture	76.9	0.0	76.9
Total	Lumens	2495.9	0.0	2495.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.1	1.1
10°-20°	93.1	3.7
20°-30°	164.4	6.6
30°-40°	235.9	9.5
40°-50°	358.3	14.4
50°-60°	527.5	21.1
60°-70°	701.1	28.1
70°-80°	343.0	13.7
80°-90°	45.5	1.8
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°	2495.9	100.0
0°-180°	2495.9	100.0

Coefficient of Utilization



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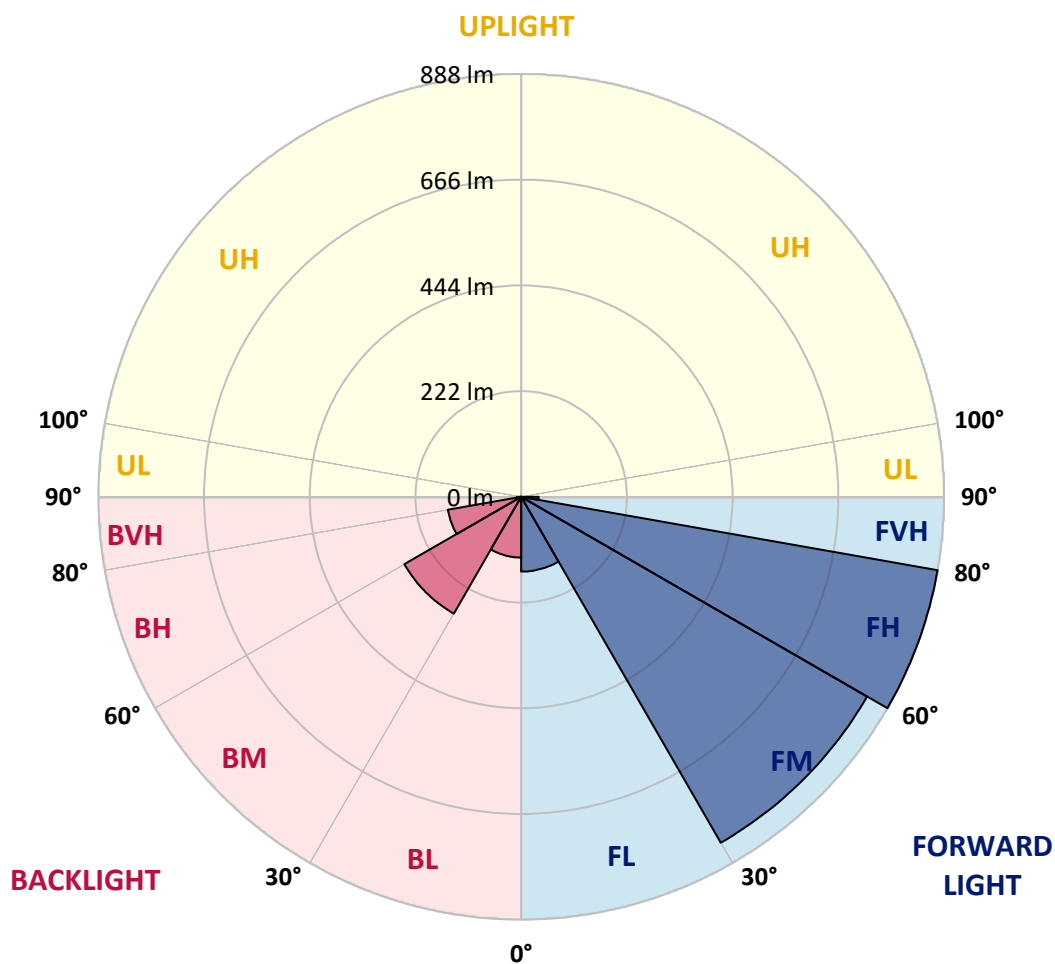
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	157.0	6.3			
FM	(30°-60°)	838.6	33.6			
FH	(60°-80°)	887.8	35.6			G1/1800
FVH	(80°-90°)	36.6	1.5			G1/100
BL	(0°-30°)	127.6	5.1	B1/500		
BM	(30°-60°)	283.2	11.3	B1/1000		
BH	(60°-80°)	156.3	6.3	B1/500		G1/500
BVH	(80°-90°)	9.0	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	285.5	285.8	285.3	285.0	283.3	281.7	280.6	279.2	279.2	279.2	278.7
5°	301.7	300.6	301.4	299.5	296.2	293.2	290.2	287.7	287.2	287.2	286.1
7.5°	321.2	319.8	319.2	316.5	311.6	307.2	301.1	298.7	297.3	296.8	296.2
10°	344.7	344.7	341.2	336.5	329.9	322.2	315.7	311.3	311.0	311.0	308.5
12.5°	368.8	369.4	364.7	360.1	349.4	339.2	331.6	326.6	326.4	325.3	323.9
15°	391.0	389.7	386.6	379.8	368.0	356.0	346.4	341.4	340.3	339.2	338.4
17.5°	409.4	408.0	404.2	395.4	383.1	368.8	357.0	351.8	351.3	350.7	349.6
20°	420.9	419.8	414.3	404.2	391.3	376.8	364.2	360.6	359.5	359.5	359.0
22.5°	427.5	425.8	417.9	404.5	391.8	381.2	370.7	368.6	367.7	368.0	368.0
25°	430.8	429.4	418.2	399.0	386.9	383.9	379.5	378.1	378.4	378.7	379.2
27.5°	431.3	429.4	416.2	391.8	380.6	389.1	392.1	394.3	394.3	395.4	397.3
30°	427.2	425.0	412.4	386.4	377.9	399.5	411.6	417.3	419.5	419.0	423.4
32.5°	420.1	418.7	408.6	386.4	385.5	420.1	441.4	449.7	450.8	451.3	456.2
35°	417.6	417.3	412.9	399.5	409.4	456.2	488.9	495.2	496.5	496.5	500.1
37.5°	417.1	418.4	423.4	424.2	451.3	510.0	552.7	562.3	562.3	565.0	565.0
40°	417.1	420.1	438.7	460.9	502.6	579.8	639.0	650.0	650.0	653.0	651.3
42.5°	433.2	437.6	468.3	510.5	567.2	651.9	719.9	732.2	733.0	732.2	734.6
45°	465.0	468.8	506.1	566.7	633.8	729.2	797.1	811.9	808.9	810.8	811.6
47.5°	507.2	513.2	555.7	628.1	698.8	800.7	883.7	897.1	896.0	896.9	893.3
50°	552.2	558.5	605.9	688.9	763.4	858.2	953.3	973.3	971.4	972.8	974.7
52.5°	591.9	595.7	641.5	734.6	812.5	911.9	1006.7	1031.7	1036.1	1036.6	1038.0
55°	615.4	620.1	662.0	757.4	848.1	964.6	1067.9	1105.7	1114.2	1116.4	1122.4
57.5°	623.7	628.6	666.7	760.7	867.5	1013.9	1153.1	1219.7	1226.8	1238.6	1257.8
60°	623.4	628.6	661.8	753.3	887.3	1075.0	1285.7	1397.2	1433.4	1445.5	1472.9
62.5°	597.9	603.9	637.6	730.8	912.5	1153.1	1483.0	1654.5	1701.1	1723.0	1752.6
65°	542.0	546.4	577.9	673.8	905.4	1230.1	1648.0	1862.0	1904.4	1936.5	1989.4
67°	492.4	495.2	519.8	606.4	835.8	1232.8	1700.0	1913.5	1950.5	1984.5	2039.0
67.5°	479.8	485.6	504.7	585.9	809.7	1217.2	1696.5	1905.5	1943.3	1978.7	2036.2
70°	390.5	398.7	408.3	462.8	636.5	1024.0	1570.7	1768.0	1801.1	1834.0	1914.3
72.5°	240.9	255.7	257.6	292.1	414.3	707.8	1270.9	1490.9	1515.9	1539.4	1621.7
75°	141.9	144.1	151.0	178.9	243.1	423.1	852.8	1107.6	1130.6	1142.1	1206.5
77.5°	79.2	81.4	87.1	111.3	186.9	285.0	496.5	650.8	664.8	679.3	668.9
80°	32.9	35.9	38.6	44.9	87.4	225.0	341.4	413.8	422.8	431.3	442.0
82.5°	15.9	17.0	20.8	23.8	31.8	92.3	267.7	358.7	369.4	381.7	406.6
85°	7.4	8.2	11.5	13.7	15.3	23.3	89.6	174.6	189.3	192.1	197.0
87.5°	0.5	0.5	1.4	1.9	2.7	3.0	9.3	13.2	14.8	13.4	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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	278.4	278.1	277.6	277.6	277.3	277.3	277.3	276.8	276.8	276.8	276.5
5°	285.8	285.5	284.7	284.7	284.2	284.2	283.3	283.1	282.5	282.5	282.2
7.5°	295.4	295.1	294.0	294.0	293.2	292.9	292.4	291.6	291.6	291.0	290.5
10°	308.5	307.7	307.5	306.1	306.4	305.8	305.3	304.4	303.9	303.3	302.8
12.5°	323.3	323.3	322.0	321.2	321.7	321.2	320.1	319.8	319.0	319.0	318.1
15°	337.3	337.3	336.8	335.7	335.9	335.1	334.9	334.3	333.2	333.5	333.2
17.5°	349.4	349.4	348.6	348.0	348.0	347.2	347.5	346.9	346.4	346.1	345.3
20°	359.0	359.0	358.4	357.9	358.1	358.1	357.3	357.3	357.3	356.8	356.8
22.5°	368.3	368.6	368.6	368.6	368.8	369.1	368.8	369.4	369.1	369.7	369.7
25°	380.6	381.4	382.0	382.0	383.4	383.6	383.9	384.7	384.7	385.5	385.8
27.5°	399.0	399.5	401.7	402.3	402.5	404.7	405.0	406.1	407.2	407.5	407.7
30°	424.2	425.6	427.2	428.3	428.3	431.0	432.1	431.6	434.6	435.4	436.5
32.5°	457.9	459.0	460.6	461.7	462.8	464.2	464.5	465.8	468.3	470.5	469.1
35°	500.4	503.1	500.4	503.4	504.2	506.1	505.6	507.2	508.3	509.1	508.9
37.5°	562.0	560.6	560.1	559.0	557.1	563.7	560.4	560.1	558.5	563.1	560.1
40°	643.1	643.9	644.8	640.4	637.9	637.9	637.1	634.1	632.7	636.8	636.3
42.5°	727.8	728.6	724.8	722.0	715.7	714.9	711.1	710.3	708.9	711.1	708.9
45°	804.8	805.3	796.9	798.2	793.3	794.1	788.1	790.5	787.3	789.5	793.6
47.5°	890.8	891.9	884.5	887.6	882.6	879.6	879.3	881.0	877.4	879.6	880.7
50°	968.9	967.6	963.7	964.6	962.4	962.9	959.6	962.6	958.5	962.9	962.4
52.5°	1038.3	1036.6	1035.8	1038.5	1036.6	1036.6	1034.7	1036.1	1036.6	1043.2	1044.6
55°	1122.4	1123.8	1125.1	1130.1	1132.3	1128.7	1132.3	1139.1	1139.4	1155.0	1163.5
57.5°	1257.5	1267.1	1272.0	1275.0	1287.9	1286.5	1294.7	1311.2	1312.8	1349.0	1370.1
60°	1493.1	1510.1	1526.3	1517.5	1543.6	1551.5	1556.4	1587.1	1596.7	1631.0	1649.3
62.5°	1790.7	1792.6	1817.8	1809.9	1824.7	1821.1	1827.2	1841.1	1853.7	1882.0	1899.2
65°	1998.4	2007.5	2017.3	2007.2	2006.9	1994.9	1987.2	1986.9	1994.6	2000.6	2019.8
67°	2054.9	2063.9	2066.4	2059.0	2048.3	2033.0	2018.7	2011.3	2006.4	2009.1	2021.2
67.5°	2054.3	2062.8	2065.8	2058.7	2043.9	2031.0	2016.0	2007.5	2000.9	2002.3	2012.4
70°	1937.6	1956.0	1965.8	1968.0	1966.1	1943.6	1930.7	1923.1	1917.6	1904.2	1903.3
72.5°	1641.7	1663.8	1671.5	1683.9	1689.3	1656.2	1642.2	1650.7	1631.5	1589.0	1591.0
75°	1205.4	1207.1	1181.3	1176.4	1158.0	1082.9	1060.5	1039.9	1007.0	955.8	907.6
77.5°	628.3	628.1	598.5	583.4	561.5	516.3	514.1	477.3	451.6	404.7	387.7
80°	446.4	453.5	463.4	468.3	460.6	443.1	419.0	392.9	363.1	333.8	298.7
82.5°	415.1	419.5	424.7	405.5	394.9	370.2	351.8	314.0	292.9	259.5	224.1
85°	202.0	215.4	205.0	192.9	188.8	147.7	142.8	119.2	108.2	89.1	83.0
87.5°	12.9	15.9	14.2	12.9	11.2	6.3	8.5	6.0	6.3	4.7	4.1
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	276.5	276.2	275.9	275.7	275.4	275.4	275.1	274.8	274.6	274.0	274.0
5°	281.7	281.7	281.4	280.9	280.9	280.3	279.5	279.2	279.2	278.7	278.1
7.5°	290.2	289.9	289.4	289.1	288.5	288.0	287.4	286.9	286.6	285.8	285.5
10°	303.1	302.5	301.1	300.6	300.3	299.8	299.2	298.7	297.9	297.3	297.0
12.5°	317.6	317.3	316.2	316.8	315.4	314.8	314.3	312.9	313.5	312.4	311.8
15°	332.1	332.4	331.8	331.8	330.7	329.9	329.4	328.3	328.0	327.5	326.9
17.5°	345.0	345.5	344.7	344.2	343.6	343.1	342.0	340.9	340.9	339.8	339.2
20°	356.8	357.3	357.0	356.5	355.7	355.4	354.9	354.0	354.0	353.5	352.7
22.5°	370.2	370.5	370.5	370.2	369.4	369.7	369.1	368.3	368.6	367.5	367.5
25°	386.4	386.9	387.5	387.7	387.2	387.5	386.9	386.4	386.1	386.4	386.1
27.5°	408.6	409.1	410.8	409.4	410.8	411.0	410.2	409.1	409.9	411.3	410.5
30°	437.9	437.3	439.5	439.8	439.5	439.8	439.3	438.4	439.0	441.4	440.1
32.5°	470.8	471.9	472.4	473.0	473.8	474.9	474.1	473.2	474.6	473.8	475.7
35°	510.5	513.0	513.8	513.0	513.5	515.4	515.2	515.4	518.2	515.4	519.0
37.5°	560.6	563.1	565.0	563.9	565.3	565.3	567.5	573.5	569.7	574.6	578.5
40°	633.5	637.4	637.6	637.4	638.7	640.4	642.6	649.2	644.8	650.0	653.5
42.5°	708.6	713.3	714.9	712.2	715.2	718.8	719.0	724.8	725.1	725.9	727.8
45°	793.3	797.4	800.7	799.3	799.6	804.2	803.2	808.6	804.5	804.5	805.6
47.5°	883.4	887.3	889.5	891.7	888.9	893.0	894.9	893.9	888.9	887.8	881.2
50°	965.6	968.9	972.2	978.3	978.0	979.9	981.3	976.3	975.2	969.2	961.8
52.5°	1052.8	1061.3	1068.7	1081.3	1083.2	1089.8	1087.3	1079.1	1077.7	1067.9	1058.0
55°	1174.2	1198.6	1209.3	1228.7	1241.9	1241.6	1236.1	1234.7	1224.3	1204.6	1192.8
57.5°	1385.4	1423.5	1441.9	1467.1	1471.2	1468.7	1461.6	1449.0	1430.9	1397.8	1376.4
60°	1690.4	1714.0	1735.4	1741.4	1744.4	1739.8	1714.8	1686.9	1651.5	1605.8	1567.7
62.5°	1920.9	1945.0	1960.9	1958.4	1939.5	1915.7	1879.2	1832.4	1782.8	1731.5	1674.5
65°	2038.2	2048.3	2045.8	2026.7	1994.3	1952.7	1899.5	1841.7	1783.3	1722.8	1663.6
67°	2031.9	2032.1	2015.4	1978.2	1936.8	1884.4	1819.5	1756.5	1688.0	1624.4	1554.0
67.5°	2020.6	2019.5	1996.2	1955.4	1910.7	1856.8	1789.4	1724.1	1653.2	1589.0	1516.2
70°	1893.5	1878.1	1825.5	1760.3	1698.1	1625.2	1554.5	1479.7	1399.7	1344.6	1260.8
72.5°	1555.9	1504.1	1413.4	1345.2	1278.6	1183.2	1139.1	1046.2	990.0	955.0	891.7
75°	901.0	857.7	787.5	723.7	691.4	634.9	608.1	539.8	525.6	525.0	503.1
77.5°	343.9	300.1	254.8	205.2	174.6	138.7	122.2	109.3	99.5	106.3	96.5
80°	257.9	212.1	165.8	120.6	86.0	63.6	54.5	50.4	48.0	46.0	44.7
82.5°	192.1	151.5	117.6	76.7	53.7	40.6	35.1	32.9	31.8	29.9	28.2
85°	64.9	52.1	41.1	28.5	22.5	18.4	17.0	16.4	15.6	14.2	13.4
87.5°	3.6	3.3	3.6	2.7	3.3	2.7	3.0	3.0	3.0	2.7	2.7
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):

	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°	155°
0°	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6	272.6
2.5°	273.7	273.7	273.7	273.2	272.4	270.7	269.1	267.7	266.3	265.5	265.0
5°	277.9	277.3	277.0	276.8	274.8	271.6	268.5	265.8	263.1	260.9	260.0
7.5°	285.3	284.2	283.9	283.1	280.6	275.7	271.3	266.9	263.1	260.0	258.7
10°	296.5	296.5	294.8	293.7	291.0	284.4	278.1	272.4	267.2	263.9	263.1
12.5°	310.7	310.7	309.4	308.5	305.3	296.8	289.1	282.2	277.3	274.0	273.7
15°	325.5	325.3	324.2	323.1	319.5	310.5	302.8	296.8	292.7	288.8	287.7
17.5°	338.7	338.7	337.3	336.2	332.7	325.0	318.1	313.8	309.1	301.1	295.1
20°	351.8	352.1	351.0	349.9	346.9	340.3	337.3	332.9	322.5	305.3	291.0
22.5°	366.4	367.5	366.1	365.0	362.5	359.8	358.7	348.3	326.4	298.7	277.9
25°	385.0	386.9	385.3	384.7	383.4	384.2	380.9	356.8	320.9	284.4	258.4
27.5°	410.5	410.5	410.8	410.8	410.2	413.2	401.2	357.0	308.8	266.1	235.1
30°	440.4	442.0	441.4	441.4	443.6	445.6	412.4	351.0	293.5	243.3	206.6
32.5°	476.2	477.6	478.2	475.7	484.5	474.6	416.5	340.1	274.6	215.1	172.6
35°	519.5	521.5	522.8	523.1	528.9	499.8	414.3	323.9	247.4	179.8	135.4
37.5°	576.0	579.8	582.8	584.2	584.5	521.2	408.3	302.5	212.1	140.3	100.8
40°	651.1	655.2	654.4	657.1	641.5	533.8	394.6	271.6	168.2	103.0	77.8
42.5°	723.4	724.0	725.1	722.6	690.8	540.4	375.4	233.7	126.0	77.0	66.6
45°	804.2	799.6	794.4	790.5	736.3	542.8	349.1	187.7	89.1	64.7	61.7
47.5°	880.2	873.8	863.2	852.2	776.8	539.0	315.4	140.6	67.7	59.2	58.4
50°	954.7	942.9	927.8	915.2	815.8	533.2	278.1	101.4	59.2	56.4	55.6
52.5°	1047.0	1027.3	1007.6	991.1	866.5	524.2	238.9	77.0	55.6	54.3	53.2
55°	1173.6	1146.2	1114.4	1091.4	935.2	510.5	197.8	65.2	54.0	52.9	51.2
57.5°	1349.0	1307.9	1272.0	1234.5	1029.2	496.5	162.5	60.6	53.7	52.1	49.9
60°	1528.2	1478.9	1433.1	1379.4	1125.1	482.5	137.8	60.0	54.5	52.1	48.8
62.5°	1621.4	1570.4	1515.3	1460.8	1166.5	449.7	120.8	60.8	56.4	52.9	48.8
65°	1600.0	1537.8	1481.9	1426.3	1118.5	387.5	102.2	61.9	60.3	56.2	49.6
67°	1492.6	1427.6	1373.9	1320.8	1011.7	324.4	87.7	63.0	64.4	60.0	51.2
67.5°	1454.8	1389.8	1336.9	1285.2	980.2	311.3	84.1	63.6	65.2	61.1	51.8
70°	1206.2	1158.6	1102.4	1062.4	793.6	230.5	69.1	64.7	70.1	67.4	54.3
72.5°	868.1	822.6	780.4	758.2	584.5	161.1	58.1	63.6	73.2	71.0	55.4
75°	461.4	458.7	443.4	454.3	361.7	105.2	51.2	59.5	69.9	64.9	51.5
77.5°	93.2	95.9	112.6	111.0	116.7	58.6	43.8	51.0	54.0	47.7	41.9
80°	43.3	42.5	41.7	42.2	41.4	37.5	35.6	40.0	37.5	30.7	28.0
82.5°	26.9	26.3	25.5	25.2	28.0	29.9	31.2	31.5	24.9	21.4	20.6
85°	12.9	12.9	12.6	13.2	16.4	24.4	26.3	23.3	16.7	15.3	14.5
87.5°	2.5	2.5	2.7	2.5	3.3	5.8	6.6	7.7	6.3	6.6	7.4
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°	175°	180°
0°	272.6	272.6	272.6
2.5°	264.4	263.9	263.9
5°	258.9	258.7	258.7
7.5°	257.6	257.9	257.6
10°	262.8	262.5	263.6
12.5°	274.3	275.1	274.8
15°	286.4	286.9	286.9
17.5°	289.9	288.0	287.7
20°	280.6	277.0	276.2
22.5°	263.1	256.5	256.8
25°	240.9	232.9	233.5
27.5°	215.1	206.6	206.3
30°	184.1	174.8	170.2
32.5°	146.9	135.6	135.6
35°	110.4	101.4	98.1
37.5°	83.9	78.6	77.0
40°	69.9	67.4	66.9
42.5°	63.6	62.8	62.5
45°	60.3	59.7	59.5
47.5°	57.3	57.0	56.7
50°	55.1	54.8	54.5
52.5°	53.2	52.6	52.3
55°	50.4	50.4	50.4
57.5°	48.8	48.8	48.5
60°	47.1	46.9	46.9
62.5°	45.8	45.2	45.5
65°	44.9	44.1	44.1
67°	44.4	42.7	42.7
67.5°	44.4	42.2	42.2
70°	43.6	40.0	39.5
72.5°	42.7	37.5	36.7
75°	40.6	35.6	34.8
77.5°	34.8	31.8	31.2
80°	26.9	23.3	23.8
82.5°	19.5	16.7	16.4
85°	14.0	12.1	12.1
87.5°	7.4	6.3	6.6
90°	0.0	0.0	0.0

(END OF REPORT)