

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: P181280

Luminaire Tested: **ICS-E01-LED-E1-T2-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181280
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
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-T2-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2518.7 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - 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



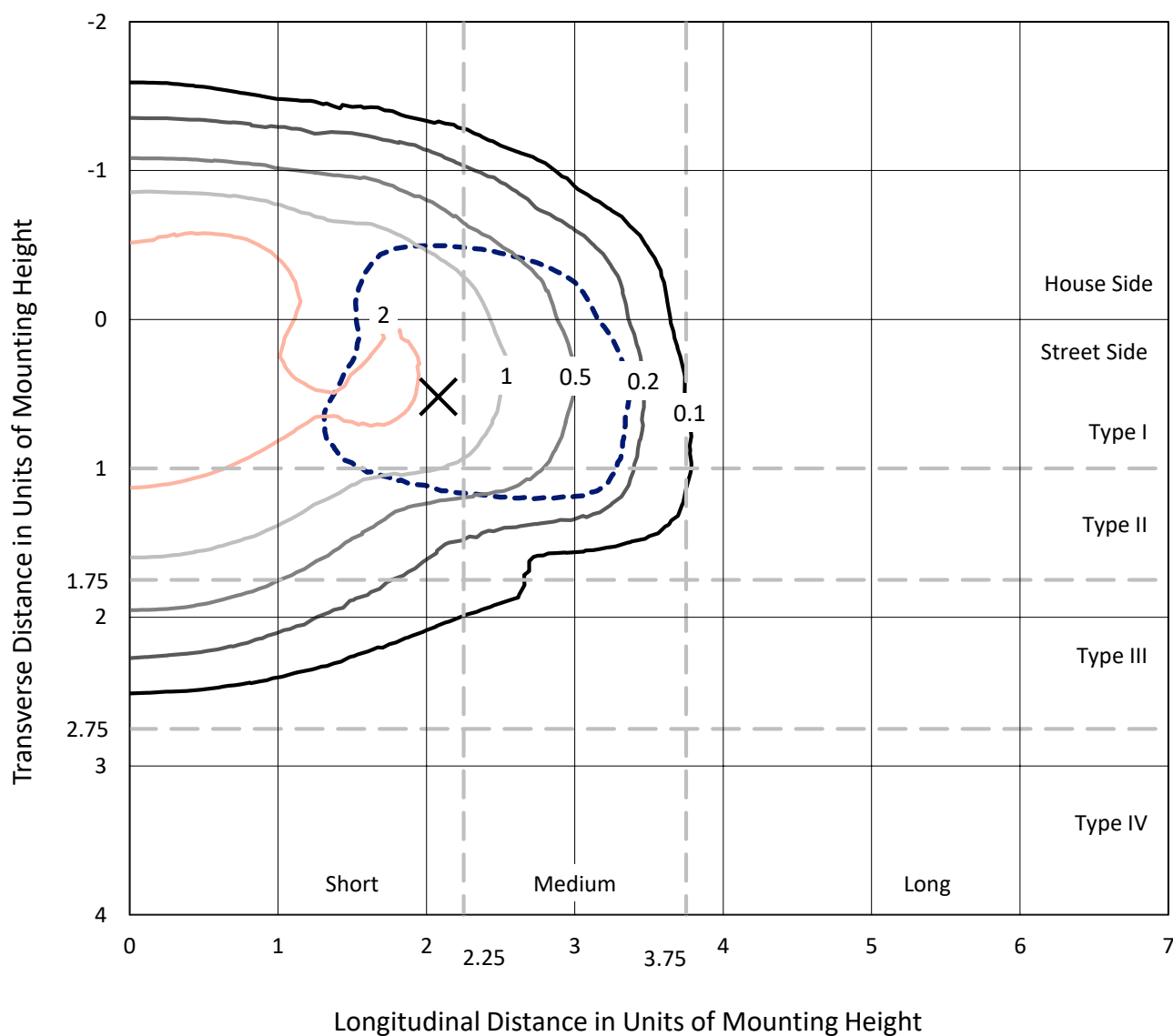
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

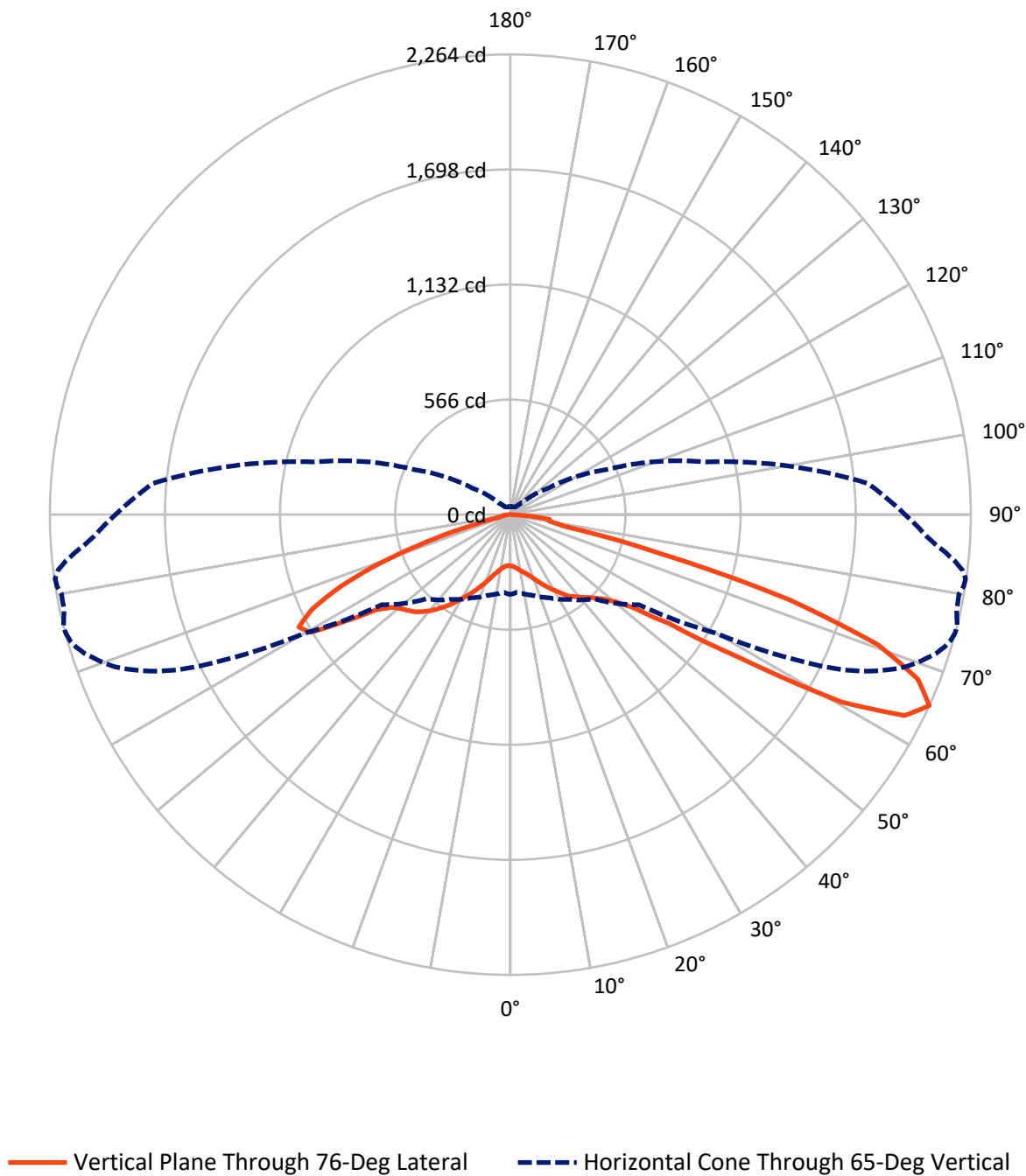


Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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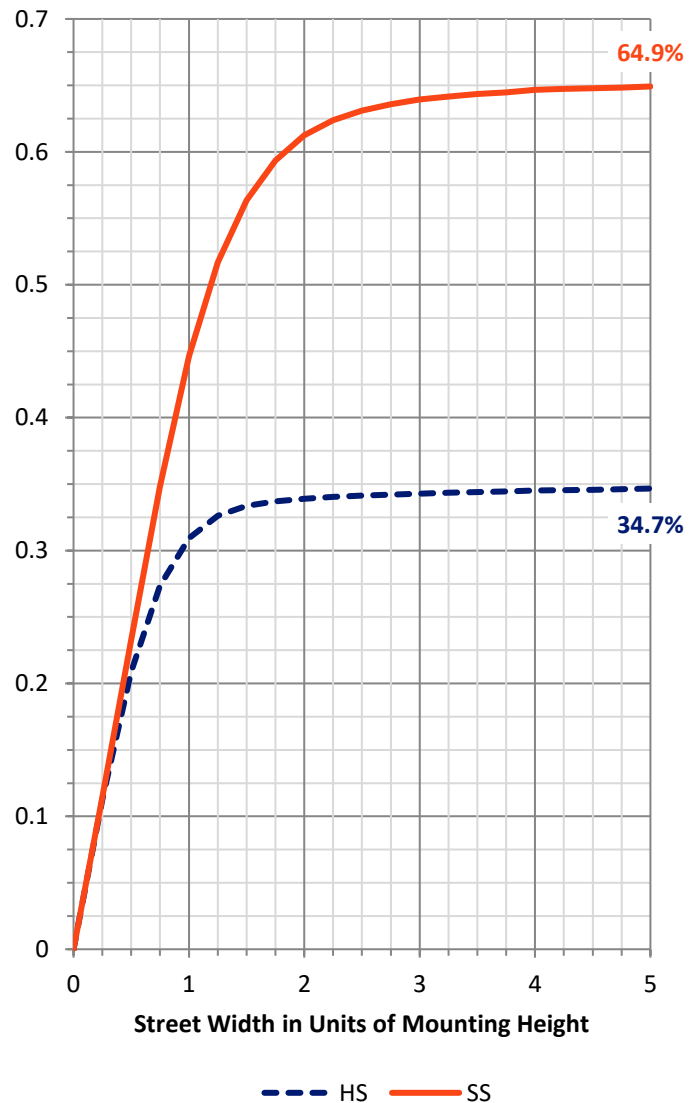
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	882.0	0.0	882.0
	% Fixture	35.0	0.0	35.0
Street Side	Lumens	1636.7	0.0	1636.7
	% Fixture	65.0	0.0	65.0
Total	Lumens	2518.7	0.0	2518.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	1.0
10°-20°	86.6	3.4
20°-30°	170.2	6.8
30°-40°	282.7	11.2
40°-50°	415.5	16.5
50°-60°	575.2	22.8
60°-70°	686.6	27.3
70°-80°	242.8	9.6
80°-90°	33.9	1.3
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°	2518.7	100.0
0°-180°	2518.7	100.0

Coefficient of Utilization



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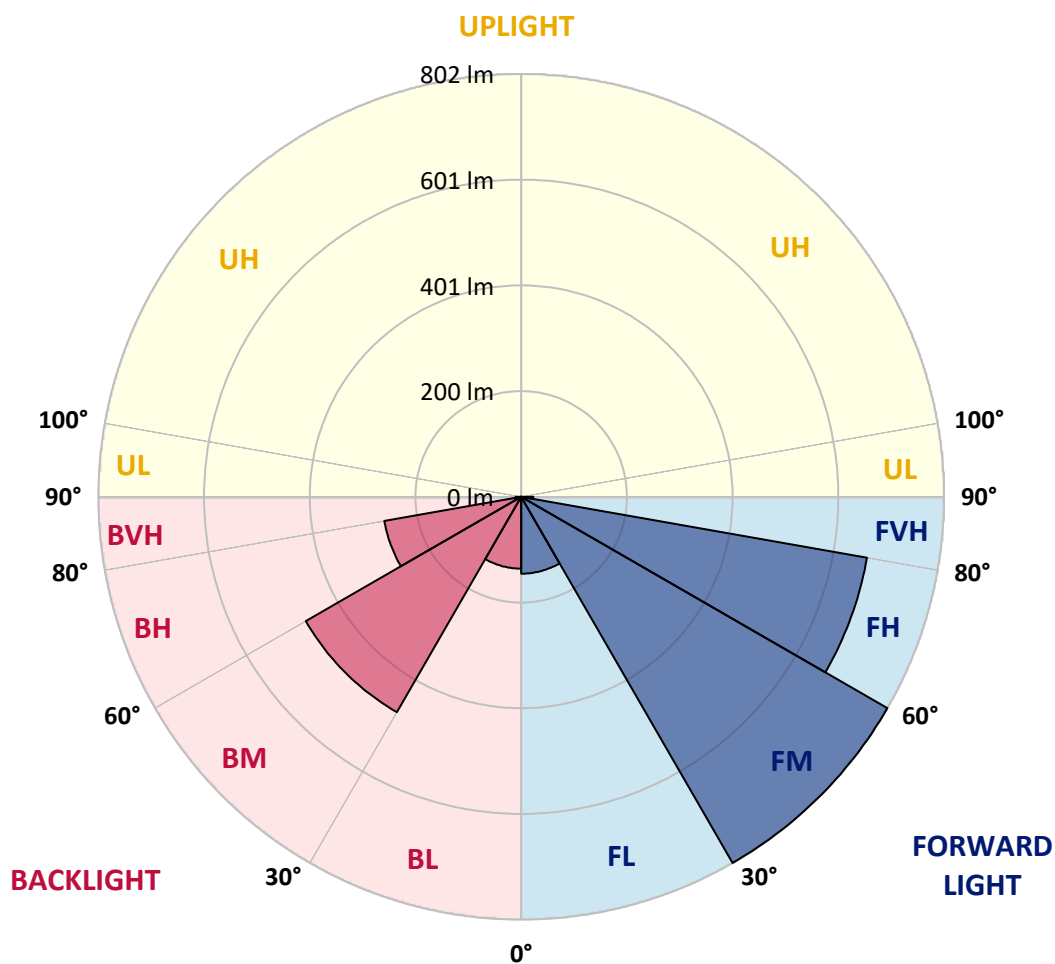
CATALOG NUMBER: ICS-E01-LED-E1-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.7	5.8			
FM	(30°-60°)	801.9	31.8			
FH	(60°-80°)	665.9	26.4			G1/1800
FVH	(80°-90°)	23.2	0.9			G1/100
BL	(0°-30°)	136.3	5.4	B1/500		
BM	(30°-60°)	471.5	18.7	B1/1000		
BH	(60°-80°)	263.4	10.5	B1/500		G1/500
BVH	(80°-90°)	10.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	262.8	263.1	262.5	262.2	261.4	260.0	258.9	257.9	257.9	257.9	257.0
5°	274.3	274.8	273.7	272.9	270.5	269.1	267.2	265.8	265.3	265.0	264.2
7.5°	288.8	288.0	286.4	285.8	283.9	280.9	277.3	274.6	274.6	274.3	274.6
10°	303.3	301.1	300.3	299.5	296.5	292.7	288.5	285.5	285.3	285.0	284.2
12.5°	317.9	317.0	316.2	313.2	310.2	304.2	299.5	296.5	296.2	296.5	295.4
15°	337.0	335.1	334.3	329.1	322.5	315.9	310.2	307.5	306.6	306.9	306.1
17.5°	351.8	351.8	349.9	344.2	335.7	326.6	320.6	319.0	318.7	318.7	319.0
20°	363.6	363.4	361.4	356.8	346.6	337.6	334.6	334.0	333.8	333.8	334.6
22.5°	370.2	369.7	368.8	363.6	355.7	349.6	349.9	351.6	352.1	352.7	353.8
25°	373.5	372.7	372.4	368.8	363.1	362.3	367.2	371.6	372.7	373.8	375.1
27.5°	379.0	377.6	378.1	376.8	375.4	377.9	388.0	392.7	393.5	394.9	395.7
30°	394.0	393.5	395.7	396.2	397.3	400.9	410.2	414.6	416.5	416.5	420.3
32.5°	422.8	423.1	423.6	429.4	431.3	433.8	438.7	442.3	442.5	442.8	446.4
35°	461.4	463.1	467.8	472.7	477.3	477.1	474.1	476.0	474.6	476.2	476.5
37.5°	510.2	508.0	514.9	526.1	533.2	531.3	517.9	509.1	511.6	510.5	509.7
40°	547.8	550.2	563.4	578.2	583.7	589.7	572.2	557.1	554.9	550.8	548.3
42.5°	599.6	599.8	610.5	621.5	637.4	650.5	639.3	617.6	611.1	606.1	595.4
45°	647.5	646.7	655.5	668.9	687.8	706.7	710.8	687.2	684.8	676.0	662.0
47.5°	679.6	678.5	684.5	702.0	732.7	763.7	780.7	773.6	768.9	765.3	743.4
50°	701.2	699.0	705.9	724.5	758.8	806.4	850.8	856.9	854.9	854.9	841.0
52.5°	717.4	717.4	722.3	737.4	772.2	831.7	911.1	941.5	944.0	946.7	945.9
55°	708.3	709.7	722.0	744.0	780.7	849.2	961.0	1027.6	1041.3	1052.8	1065.9
57.5°	677.4	682.0	698.5	734.4	782.9	862.3	1016.3	1148.1	1186.8	1220.2	1272.3
60°	632.2	638.2	662.0	707.8	766.7	841.0	1035.8	1250.1	1311.5	1384.3	1520.3
62.5°	554.6	560.6	583.9	629.7	680.1	759.0	955.2	1265.2	1363.2	1466.6	1672.1
65°	392.9	383.4	410.2	451.3	509.1	585.6	771.9	1164.0	1305.2	1445.2	1698.9
67.5°	218.9	218.1	234.6	265.3	320.6	402.8	531.9	892.8	1022.6	1181.3	1492.9
70°	151.0	152.6	163.0	196.2	242.0	312.9	379.0	560.6	654.1	761.8	1068.1
72.5°	106.0	109.6	115.4	135.1	181.9	263.6	387.2	335.1	381.7	455.1	642.3
75°	62.2	64.7	68.8	78.4	103.6	176.2	400.9	294.6	294.6	311.8	388.6
77.5°	38.4	38.4	40.8	44.7	55.1	86.3	285.5	331.0	321.7	311.8	312.7
80°	19.7	21.1	24.7	26.6	30.7	39.5	128.2	308.8	338.7	358.7	344.7
82.5°	9.0	10.1	15.1	16.2	17.8	20.8	44.1	175.6	235.4	309.9	387.2
85°	4.7	4.7	7.9	9.9	10.7	9.6	16.2	71.0	107.4	163.9	256.5
87.5°	0.8	0.8	1.4	1.6	2.5	2.2	2.7	4.1	6.9	7.4	7.7
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	256.8	257.0	256.8	256.5	255.9	255.9	255.9	255.7	255.7	255.7	255.4
5°	264.2	263.1	263.3	262.8	262.5	262.2	262.5	262.0	261.4	261.7	261.4
7.5°	273.5	272.9	271.8	271.8	271.6	271.0	271.0	270.2	269.9	269.4	269.1
10°	283.9	282.5	283.1	282.5	282.8	281.7	281.1	280.6	280.0	280.0	280.3
12.5°	294.6	294.3	293.5	292.9	292.9	292.1	292.4	292.1	291.3	291.0	290.2
15°	305.5	305.5	304.7	305.0	304.7	304.2	303.6	303.6	303.1	302.5	302.8
17.5°	318.4	318.4	318.4	318.4	318.7	317.9	318.1	317.6	317.0	318.1	318.1
20°	335.1	336.2	336.2	335.9	337.3	336.5	336.2	337.6	336.2	338.1	337.9
22.5°	354.3	355.4	355.4	356.5	356.8	357.6	358.1	357.6	358.7	359.8	359.8
25°	375.7	376.8	377.6	379.2	380.1	379.5	379.8	381.2	381.7	382.8	383.9
27.5°	398.2	398.4	399.5	401.4	402.8	403.4	403.6	405.8	406.1	406.6	407.7
30°	420.1	422.8	422.3	424.7	425.6	426.4	428.0	428.8	430.8	431.9	431.9
32.5°	445.8	445.3	447.5	449.4	450.8	452.1	453.5	454.6	455.7	456.2	459.0
35°	477.9	479.0	479.0	479.3	482.5	482.8	483.9	486.4	487.2	488.9	489.9
37.5°	509.7	507.8	507.5	507.5	506.4	507.2	507.5	507.8	508.9	509.1	510.2
40°	545.3	542.8	540.6	539.3	537.1	534.1	533.5	532.1	533.0	532.7	533.0
42.5°	594.1	587.2	582.0	578.2	573.8	570.5	568.0	564.5	562.0	559.0	558.5
45°	656.3	643.4	634.6	628.3	622.0	613.0	607.8	602.3	597.4	592.4	588.3
47.5°	737.9	724.2	710.3	698.8	688.9	674.4	659.6	651.3	641.8	633.3	627.2
50°	834.1	817.7	811.1	794.9	782.6	760.7	742.3	728.9	709.7	696.8	685.6
52.5°	932.5	928.4	924.8	911.1	896.6	884.0	867.8	844.3	824.8	810.0	787.0
55°	1066.5	1068.4	1067.0	1059.6	1054.4	1042.4	1035.8	1015.2	1006.5	985.1	961.0
57.5°	1292.0	1307.3	1326.8	1334.5	1344.9	1335.0	1346.5	1360.5	1325.7	1337.8	1316.1
60°	1580.0	1650.4	1692.3	1743.9	1777.6	1824.7	1833.2	1845.5	1842.0	1848.8	1862.8
62.5°	1755.9	1839.5	1919.8	1978.2	2040.6	2075.2	2116.8	2145.9	2176.0	2196.3	2190.5
65°	1807.7	1893.8	1966.6	2030.5	2086.4	2128.6	2167.2	2203.7	2231.3	2250.8	2262.3
67.5°	1617.5	1729.9	1806.6	1881.4	1953.5	1997.9	2030.2	2065.6	2106.1	2139.8	2146.4
70°	1217.2	1385.7	1494.5	1584.1	1668.8	1728.5	1773.7	1806.6	1838.1	1862.2	1888.5
72.5°	761.2	908.7	1033.1	1149.2	1239.1	1321.3	1359.4	1432.3	1422.7	1441.1	1460.8
75°	456.2	528.0	596.5	678.5	725.6	794.1	806.4	818.5	812.2	791.6	807.0
77.5°	317.0	328.8	328.3	323.6	318.7	306.6	291.0	282.5	276.8	268.5	271.8
80°	319.0	293.5	254.6	214.0	176.7	152.1	142.2	142.2	152.4	166.9	181.4
82.5°	381.2	354.0	315.7	264.2	209.4	170.4	144.4	134.0	135.9	150.7	169.3
85°	257.0	263.1	230.7	211.0	167.2	130.2	109.1	88.5	78.4	80.8	91.5
87.5°	9.3	11.2	4.1	5.5	3.8	3.3	3.3	3.6	2.5	3.0	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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	255.1	254.8	254.8	254.3	254.3	254.0	254.0	253.7	253.5	253.5	253.2
5°	261.1	260.9	260.3	260.0	259.5	259.5	259.2	258.7	258.7	258.1	257.9
7.5°	269.6	269.1	268.5	268.3	268.0	267.2	267.2	266.6	266.6	266.1	265.8
10°	279.8	279.2	278.7	279.0	278.1	277.9	277.3	277.3	276.5	276.2	276.2
12.5°	290.7	290.5	290.5	289.6	289.4	289.1	288.0	288.0	288.0	287.4	287.7
15°	302.5	302.8	302.0	302.8	302.5	301.7	301.7	301.7	300.6	302.0	300.9
17.5°	318.4	319.2	318.7	319.0	318.4	318.4	318.7	318.4	319.0	319.0	320.6
20°	338.1	338.4	339.8	339.2	339.2	339.0	339.5	339.8	340.9	340.3	341.4
22.5°	359.8	361.2	361.4	362.5	362.5	362.3	362.8	363.9	364.4	365.3	365.0
25°	384.5	385.3	386.4	385.0	387.2	387.2	387.7	389.1	389.4	389.4	391.3
27.5°	407.5	409.7	409.9	411.3	410.5	411.0	412.9	413.8	414.9	414.9	415.4
30°	433.5	434.3	434.9	436.5	436.2	436.5	436.8	438.2	438.2	439.5	440.9
32.5°	460.4	460.9	461.4	463.1	463.6	464.7	464.2	465.3	466.7	466.9	467.8
35°	492.4	493.0	493.5	496.0	496.3	498.2	498.7	498.2	500.4	499.0	500.4
37.5°	511.0	513.5	514.1	515.7	515.2	516.5	517.3	518.4	519.0	520.1	522.3
40°	533.8	534.6	536.3	537.1	538.2	538.4	539.5	540.4	541.2	543.7	546.1
42.5°	557.1	558.2	559.0	560.1	561.5	562.6	563.4	565.9	566.4	568.0	572.7
45°	585.3	584.8	585.0	585.3	585.9	587.2	589.7	592.2	593.8	597.6	601.5
47.5°	620.4	616.8	615.4	613.3	613.8	616.8	617.4	621.5	624.8	628.3	633.0
50°	673.5	664.0	658.2	652.4	651.9	653.5	655.7	660.1	664.0	668.6	675.2
52.5°	762.9	744.5	733.0	717.1	712.7	711.9	710.3	712.7	713.8	720.1	732.5
55°	943.7	909.7	887.8	863.2	840.1	833.3	820.1	822.9	820.1	824.0	842.3
57.5°	1321.3	1294.2	1272.8	1241.3	1201.9	1159.9	1149.5	1106.5	1115.0	1139.6	1123.8
60°	1869.6	1859.8	1844.4	1829.4	1775.4	1745.0	1695.4	1689.9	1655.1	1655.4	1632.6
62.5°	2176.5	2189.1	2179.8	2175.4	2172.4	2162.8	2138.2	2108.6	2064.2	2032.1	1985.0
65°	2264.2	2253.5	2243.4	2242.0	2241.2	2256.8	2260.4	2239.6	2199.3	2149.4	2095.2
67.5°	2162.0	2156.0	2156.5	2145.0	2152.2	2179.3	2198.2	2192.4	2155.4	2095.2	2026.1
70°	1918.7	1906.9	1919.0	1934.0	1944.7	1960.3	1979.2	1983.9	1950.2	1888.3	1817.8
72.5°	1436.7	1438.6	1450.1	1454.2	1497.2	1492.9	1509.9	1454.5	1430.1	1371.2	1335.0
75°	756.0	743.7	775.8	707.8	679.8	699.3	644.8	592.4	603.4	612.4	547.2
77.5°	267.2	249.9	220.6	208.8	173.7	147.1	120.3	108.5	102.2	98.9	94.8
80°	191.8	197.3	191.3	177.0	150.4	120.6	95.1	75.1	64.4	58.6	54.8
82.5°	194.0	215.7	225.2	221.1	197.0	149.1	98.4	62.8	46.6	38.9	36.2
85°	104.1	114.0	109.6	92.3	83.0	49.6	34.0	22.7	19.2	17.5	16.2
87.5°	4.1	3.3	2.7	2.7	3.0	3.3	2.7	3.0	2.7	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°	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8	251.8
2.5°	252.6	252.6	252.6	252.4	251.8	250.5	249.1	248.0	247.2	246.3	245.2
5°	257.6	257.0	257.0	257.0	254.8	252.6	250.7	248.8	247.2	245.8	244.7
7.5°	265.8	265.5	264.4	264.2	262.5	258.9	256.8	253.5	251.6	249.6	249.1
10°	275.7	275.4	275.1	274.8	272.6	269.1	266.3	263.3	260.6	257.9	255.1
12.5°	287.2	286.9	286.6	285.8	285.0	283.1	280.0	276.8	273.5	267.7	264.7
15°	301.4	302.0	301.4	301.1	300.6	300.9	299.0	294.3	289.1	281.7	275.4
17.5°	320.3	319.8	319.5	320.6	320.3	321.7	321.2	315.1	307.2	295.4	284.4
20°	341.2	341.2	342.3	343.1	345.5	349.1	347.5	340.1	325.5	309.1	294.8
22.5°	366.1	366.6	367.7	367.2	371.0	376.8	377.3	366.9	348.0	325.3	305.3
25°	392.1	392.7	391.6	393.2	399.5	407.7	409.4	394.6	369.7	340.1	314.0
27.5°	416.8	417.3	417.3	419.5	425.6	439.5	441.2	424.7	391.6	352.9	320.3
30°	440.9	443.1	443.6	444.2	453.2	472.7	476.2	452.4	410.8	362.5	324.7
32.5°	471.3	472.1	473.2	474.6	485.0	508.9	508.9	476.2	423.1	368.6	325.5
35°	503.9	504.2	506.7	506.9	521.7	545.6	540.9	496.0	431.9	367.2	319.5
37.5°	523.7	524.7	527.2	530.5	546.1	579.8	569.1	513.0	433.5	358.1	305.8
40°	548.0	550.2	552.7	556.0	579.3	614.6	593.0	523.7	426.6	340.3	285.3
42.5°	574.3	577.4	581.2	587.2	614.9	645.3	611.1	525.3	411.0	320.3	260.9
45°	603.9	609.4	613.8	620.9	652.2	671.9	622.0	515.7	391.3	294.0	234.8
47.5°	638.2	642.6	650.2	657.9	689.2	690.0	623.1	497.1	364.4	267.7	207.2
50°	680.4	683.1	694.6	699.3	728.6	708.9	615.2	471.9	336.2	238.1	176.5
52.5°	736.6	740.4	755.2	762.3	783.1	734.6	603.9	444.5	303.9	205.0	145.0
55°	847.5	864.3	874.7	887.0	900.4	793.0	599.0	415.1	267.4	166.6	114.8
57.5°	1159.1	1153.6	1176.6	1204.6	1204.3	926.5	628.6	389.9	224.4	127.4	88.2
60°	1623.3	1628.5	1616.7	1633.4	1580.3	1092.0	669.2	363.4	175.9	94.8	67.4
62.5°	1968.3	1938.1	1921.4	1901.7	1784.7	1110.1	639.6	308.8	128.0	66.6	51.8
65°	2049.9	2014.6	1978.7	1941.2	1764.7	1000.7	524.7	226.6	82.8	45.8	41.1
67.5°	1969.4	1912.7	1866.9	1828.3	1617.0	829.5	383.6	139.2	47.4	37.0	35.1
70°	1760.6	1697.8	1623.8	1580.5	1361.6	611.3	245.8	75.1	36.4	32.9	32.1
72.5°	1288.7	1237.2	1156.4	1106.8	977.7	371.6	137.3	42.2	34.0	31.5	30.4
75°	502.0	475.2	441.4	444.2	396.5	164.4	62.2	36.4	33.2	31.0	29.9
77.5°	86.3	84.1	77.8	77.8	88.5	60.0	41.4	36.7	32.9	30.4	28.5
80°	51.8	50.7	48.2	47.7	46.0	42.2	39.7	37.3	32.3	28.8	26.3
82.5°	34.0	32.6	31.8	31.5	34.3	37.0	37.3	37.0	30.7	24.9	21.4
85°	14.5	14.5	14.5	14.8	19.7	29.9	30.7	32.9	25.2	19.5	15.3
87.5°	2.5	3.0	3.0	3.3	3.6	6.6	8.2	10.7	8.5	8.2	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°	251.8	251.8	251.8
2.5°	245.0	244.4	244.4
5°	244.2	243.6	243.9
7.5°	247.4	246.3	246.6
10°	253.5	252.4	251.8
12.5°	261.1	259.8	259.8
15°	269.1	265.8	265.5
17.5°	275.7	271.6	271.0
20°	283.1	277.6	276.8
22.5°	289.9	282.5	281.4
25°	294.8	285.8	284.4
27.5°	297.0	286.4	285.3
30°	298.7	286.6	285.0
32.5°	297.0	284.2	282.8
35°	288.0	274.0	273.2
37.5°	272.4	256.8	255.7
40°	251.8	235.4	232.6
42.5°	225.5	210.2	207.2
45°	200.0	182.5	181.1
47.5°	172.6	155.9	156.7
50°	143.9	128.8	128.5
52.5°	116.5	103.3	102.5
55°	91.8	82.5	81.7
57.5°	72.6	67.7	66.9
60°	59.2	56.7	55.9
62.5°	47.7	46.9	46.6
65°	39.7	39.7	39.7
67.5°	34.5	34.8	34.8
70°	31.8	32.1	31.8
72.5°	30.7	31.5	31.5
75°	29.9	30.4	29.3
77.5°	29.3	29.6	27.7
80°	29.0	28.8	25.2
82.5°	25.2	24.4	21.4
85°	23.0	17.5	14.8
87.5°	11.8	8.2	6.3
90°	0.0	0.0	0.0

(END OF REPORT)