

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: P180626

Luminaire Tested: **ICS-E02-LED-E1-SL3-HSS-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180626
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-E02-LED-E1-SL3-HSS-8030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2634.1 lumens
Efficiency: N/A
Efficacy: 50.6 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

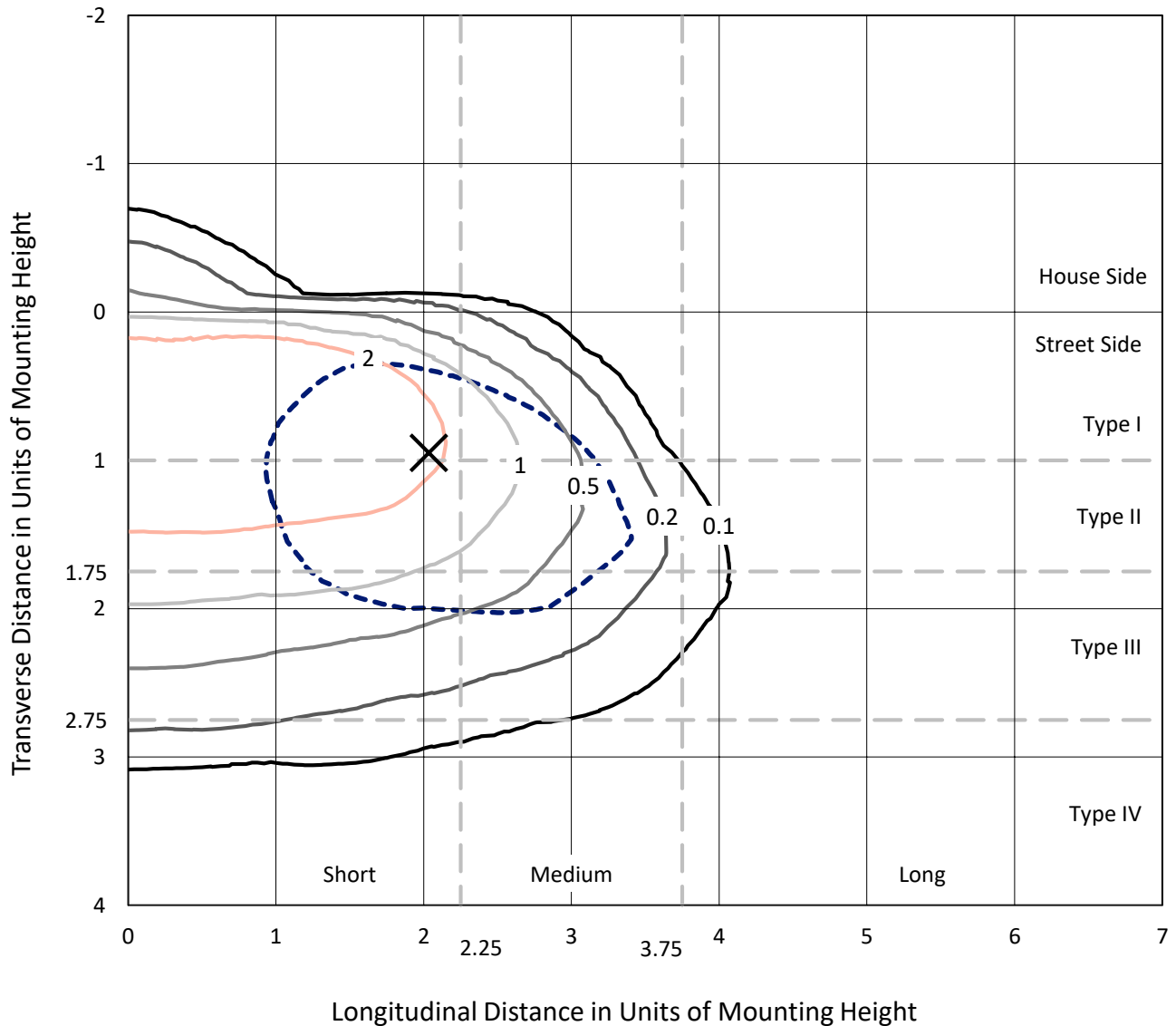
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

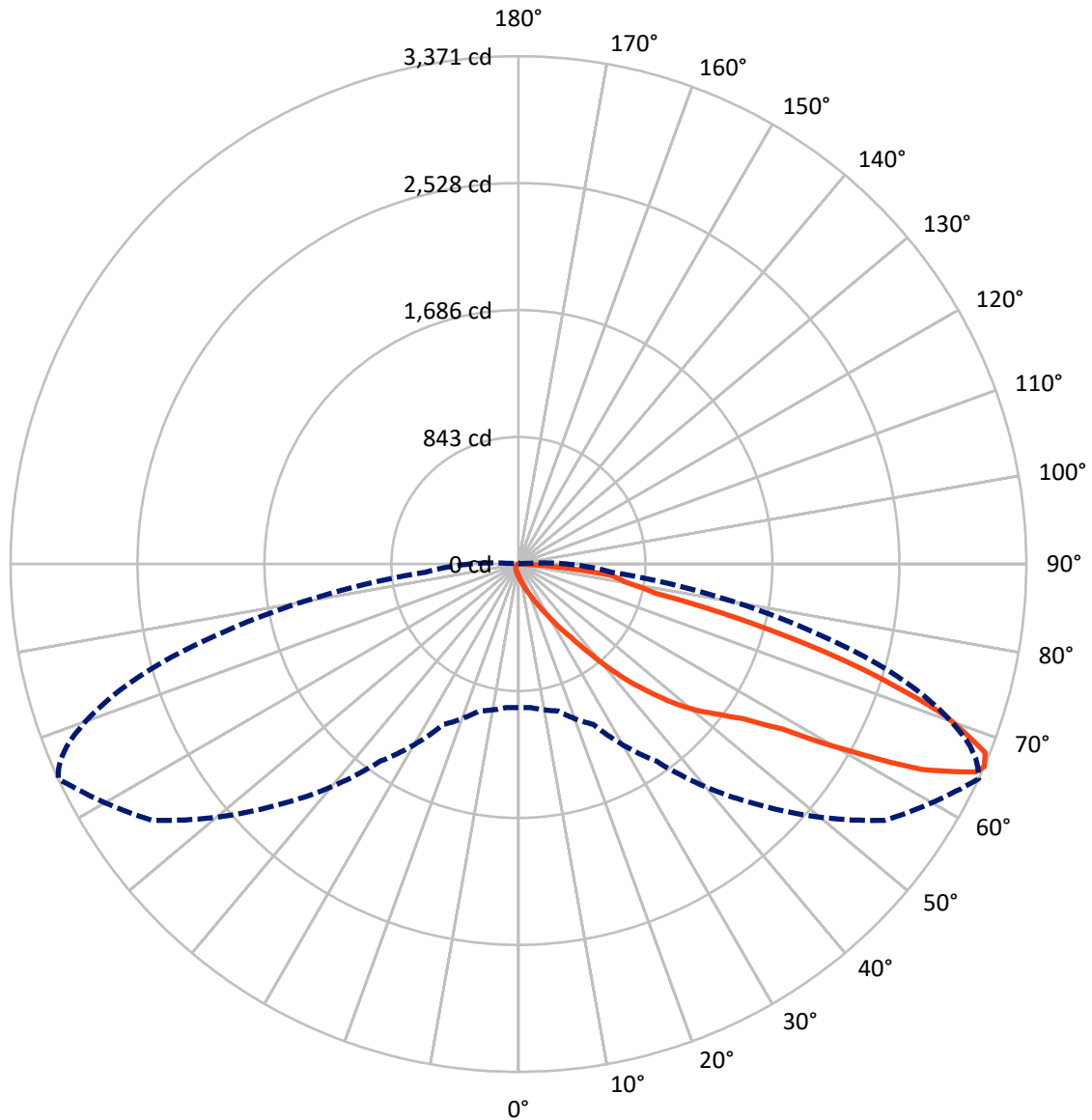
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	57.1	0.0	57.1
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	2577.0	0.0	2577.0
	% Fixture	97.8	0.0	97.8
Total	Lumens	2634.1	0.0	2634.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	0.3
10°-20°	37.7	1.4
20°-30°	81.4	3.1
30°-40°	173.8	6.6
40°-50°	384.4	14.6
50°-60°	651.5	24.7
60°-70°	869.3	33.0
70°-80°	382.9	14.5
80°-90°	44.1	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°	2634.1	100.0
0°-180°	2634.1	100.0



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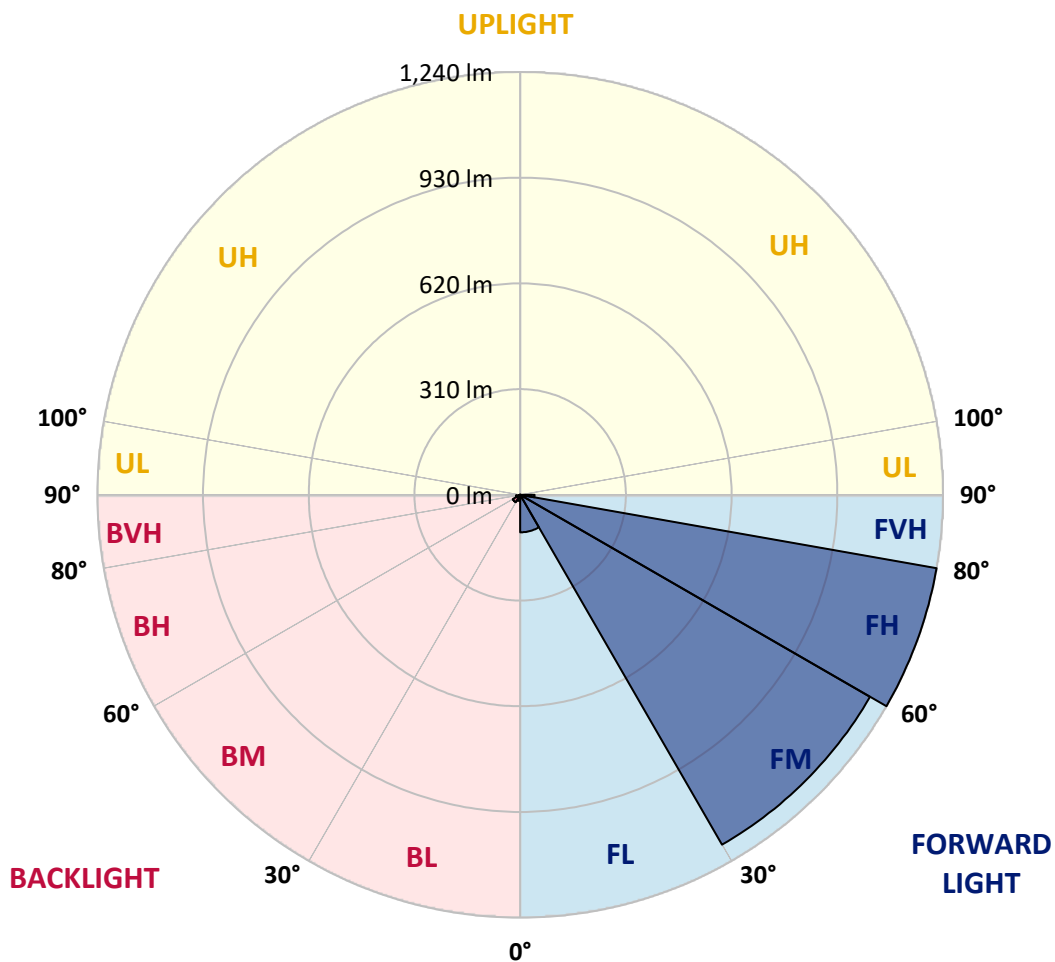
CATALOG NUMBER: ICS-E02-LED-E1-SL3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.0	4.2			
FM	(30°-60°)	1184.7	45.0			
FH	(60°-80°)	1240.0	47.1			G1/1800
FVH	(80°-90°)	42.3	1.6			G1/100
BL	(0°-30°)	18.0	0.7	B0/110		
BM	(30°-60°)	25.1	1.0	B0/220		
BH	(60°-80°)	12.3	0.5	B0/110		G0/110
BVH	(80°-90°)	1.8	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°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2.5°	100.3	99.8	97.7	97.7	94.7	92.7	90.1	87.6	87.6	87.1	86.6
5°	132.7	129.6	129.1	123.6	119.0	112.4	106.3	98.2	97.2	96.2	95.7
7.5°	168.6	168.1	163.6	157.0	147.9	135.7	123.6	110.4	108.4	107.4	105.3
10°	215.2	212.7	206.6	195.5	181.8	165.6	145.8	125.1	122.6	120.5	119.5
12.5°	259.8	255.2	251.7	237.5	220.3	196.5	172.7	142.8	140.8	138.3	134.2
15°	301.3	297.3	291.2	279.0	259.8	229.9	202.1	165.6	160.5	157.0	154.0
17.5°	333.7	331.2	324.1	310.4	289.7	263.3	229.9	188.9	184.8	180.3	174.7
20°	364.6	361.1	349.9	331.2	308.9	288.7	262.8	219.3	213.7	208.1	202.1
22.5°	394.0	390.5	372.2	341.3	317.5	308.9	299.8	253.7	245.1	240.6	234.5
25°	435.0	427.4	399.1	349.9	318.0	324.6	340.3	298.3	290.2	283.6	274.0
27.5°	490.2	480.1	435.5	362.6	320.1	341.8	386.9	352.5	343.9	336.3	325.6
30°	552.5	545.9	492.7	393.0	334.7	367.2	439.1	421.3	411.2	402.1	389.4
32.5°	615.3	606.2	553.5	450.7	374.2	416.3	504.4	501.4	488.2	479.6	465.9
35°	670.5	665.9	627.0	545.4	464.4	502.4	591.5	595.0	583.4	574.3	559.1
37.5°	708.0	708.0	700.4	647.2	607.7	636.1	719.6	720.1	708.5	687.7	680.1
40°	727.2	732.8	760.1	770.3	768.2	804.7	887.8	878.6	869.0	858.4	833.1
42.5°	766.7	771.8	830.0	899.9	945.5	993.6	1050.8	1047.8	1036.1	1016.9	993.6
45°	833.6	840.2	909.5	1020.4	1114.1	1182.5	1219.0	1204.8	1193.1	1174.9	1162.7
47.5°	918.6	931.3	1009.8	1147.0	1260.0	1372.9	1410.9	1373.4	1363.3	1349.1	1329.4
50°	1009.3	1021.5	1105.0	1262.0	1389.6	1524.3	1587.6	1524.3	1509.6	1505.1	1482.8
52.5°	1087.8	1097.9	1178.4	1350.6	1488.9	1646.9	1739.1	1655.5	1644.9	1629.7	1613.5
55°	1134.4	1142.5	1217.9	1393.2	1556.2	1757.3	1885.4	1812.0	1796.3	1790.2	1766.9
57.5°	1150.1	1158.2	1226.0	1398.7	1592.7	1858.1	2063.2	2065.7	2047.0	2025.2	2018.1
60°	1150.1	1159.2	1216.4	1385.1	1628.1	1965.4	2300.2	2511.3	2470.8	2466.8	2441.0
62.5°	1102.5	1111.1	1168.8	1343.0	1675.8	2110.3	2630.4	3003.1	2991.4	2965.1	2922.6
65°	999.2	1004.2	1061.0	1235.7	1657.5	2243.4	2916.5	3330.2	3311.5	3259.8	3205.1
66°	952.6	956.6	1009.8	1174.4	1597.8	2261.7	2967.1	3371.3	3340.4	3296.8	3235.0
67.5°	885.2	892.3	929.8	1060.4	1454.4	2198.4	2935.2	3342.4	3315.5	3262.9	3201.1
70°	591.0	585.9	718.1	813.8	1108.1	1791.2	2633.4	3001.1	3001.6	2976.7	2951.9
72.5°	280.6	283.6	322.1	500.9	725.2	1196.7	2096.1	2395.4	2429.8	2385.2	2354.4
75°	201.6	206.1	229.4	306.4	432.5	718.1	1358.7	1675.2	1676.3	1597.3	1526.9
77.5°	58.7	61.3	86.1	188.9	324.1	484.6	780.4	931.3	909.5	852.8	799.6
80°	24.3	24.3	25.3	60.3	130.2	329.2	545.9	717.1	714.6	692.8	661.4
82.5°	9.1	9.6	12.2	24.8	30.9	81.0	364.1	622.4	620.9	590.0	567.7
85°	1.0	1.0	3.0	10.6	11.6	15.2	72.9	274.5	273.0	274.5	240.6
87.5°	0.0	0.0	0.5	1.0	1.5	2.0	3.0	10.6	11.6	11.1	10.1
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2.5°	86.6	85.6	85.6	85.1	85.1	85.1	84.6	84.1	84.1	83.6	83.1
5°	94.7	93.7	93.2	92.2	91.7	91.2	90.1	89.6	88.6	88.1	87.6
7.5°	104.3	102.3	101.8	100.3	98.8	97.7	96.7	95.2	94.2	92.2	91.7
10°	116.5	113.9	111.9	109.9	108.4	105.8	104.3	102.3	100.3	98.8	97.2
12.5°	132.2	128.6	125.6	123.6	120.0	117.0	113.9	112.4	108.4	106.3	103.8
15°	149.4	145.3	141.8	137.7	135.2	130.2	126.1	121.5	119.5	116.0	111.9
17.5°	171.7	165.1	159.5	155.5	150.4	145.3	140.8	136.2	130.2	126.1	121.0
20°	195.5	189.9	182.3	175.2	169.1	163.1	156.5	150.4	144.8	138.3	132.2
22.5°	225.9	217.8	208.6	201.6	193.5	186.9	177.8	169.7	160.5	151.9	144.8
25°	264.4	253.7	245.1	235.0	225.4	215.2	204.1	194.0	182.3	174.2	162.1
27.5°	312.0	301.8	290.2	277.0	267.4	252.2	237.5	224.9	211.2	198.5	184.8
30°	372.7	358.0	345.9	333.2	314.0	299.3	282.1	264.9	246.1	233.5	212.7
32.5°	445.7	430.0	411.7	393.5	375.8	355.0	333.7	312.5	291.7	268.4	247.1
35°	534.8	516.0	495.3	475.5	448.2	425.9	399.1	369.7	346.4	319.6	292.7
37.5°	652.8	621.9	603.7	582.9	545.9	515.5	485.7	456.3	415.3	386.9	348.9
40°	800.7	782.4	752.5	719.1	685.7	645.7	605.2	566.2	518.6	479.1	435.0
42.5°	974.4	947.5	917.1	869.0	835.1	788.0	741.9	690.3	632.0	581.4	529.7
45°	1137.4	1105.5	1082.2	1034.1	998.7	943.0	887.3	832.6	765.2	699.9	640.1
47.5°	1313.7	1287.3	1248.8	1209.8	1173.9	1111.1	1050.8	984.5	913.6	836.1	758.6
50°	1468.6	1447.9	1421.5	1374.4	1334.4	1281.8	1210.9	1138.4	1048.8	971.8	883.7
52.5°	1600.3	1584.1	1547.1	1513.7	1477.7	1428.1	1364.8	1295.4	1198.7	1114.1	1013.9
55°	1755.8	1744.1	1711.7	1690.9	1659.0	1611.4	1552.2	1487.9	1385.6	1293.4	1180.0
57.5°	2010.5	2001.4	1973.0	1964.4	1933.0	1891.5	1818.6	1749.7	1630.2	1515.7	1386.1
60°	2432.3	2414.1	2372.6	2351.3	2285.0	2229.3	2134.6	2039.9	1895.5	1749.7	1593.7
62.5°	2884.1	2832.9	2753.9	2686.1	2591.9	2495.1	2368.5	2223.7	2054.6	1881.4	1702.1
65°	3127.7	3040.6	2940.8	2832.9	2710.9	2568.6	2409.0	2235.3	2053.5	1870.7	1681.3
66°	3155.5	3057.3	2951.4	2831.4	2695.7	2544.3	2382.2	2199.9	2011.0	1832.7	1643.3
67.5°	3120.6	3017.8	2905.9	2772.7	2625.8	2468.8	2298.6	2109.2	1927.4	1746.6	1562.3
70°	2876.0	2773.7	2673.9	2533.6	2377.1	2219.1	2058.1	1846.4	1674.2	1508.1	1344.0
72.5°	2296.6	2227.2	2128.5	2008.5	1856.0	1670.7	1536.5	1347.1	1197.7	1036.6	909.5
75°	1435.2	1337.5	1215.4	1062.5	946.0	795.6	717.1	573.3	488.2	413.7	341.8
77.5°	733.8	660.4	574.8	488.7	406.2	324.1	250.7	177.2	119.5	83.1	61.8
80°	606.2	541.4	470.5	392.0	319.0	247.6	178.3	121.5	77.5	50.6	39.5
82.5°	500.9	446.2	382.9	309.9	246.6	194.5	135.2	88.1	54.7	35.4	27.9
85°	213.2	193.5	149.4	118.5	89.1	65.8	46.1	30.9	21.8	17.7	16.2
87.5°	9.1	10.1	9.6	7.6	5.6	5.6	5.1	4.1	4.1	4.1	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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2.5°	83.1	82.5	82.0	82.0	81.5	81.0	78.0	75.5	72.4	70.4	68.4
5°	86.6	86.1	85.1	84.6	83.6	83.1	76.5	70.9	66.3	62.8	60.3
7.5°	90.1	89.6	88.1	86.6	86.1	85.1	74.4	67.4	61.3	57.2	54.7
10°	94.7	93.2	91.7	89.6	88.1	86.6	72.4	63.3	56.7	53.2	50.6
12.5°	101.3	98.8	96.2	93.7	91.7	89.1	71.4	59.8	53.2	49.1	46.6
15°	108.9	105.3	102.3	99.3	95.7	93.2	69.4	56.7	50.1	46.1	43.0
17.5°	116.0	111.9	107.4	102.8	99.3	95.7	67.4	53.7	47.1	43.0	40.0
20°	126.1	120.0	114.5	108.9	103.8	99.3	64.3	50.6	44.6	40.0	37.0
22.5°	137.2	130.2	123.1	115.5	108.9	102.8	61.8	48.1	42.0	37.5	33.9
25°	151.4	142.8	133.2	123.6	116.0	107.9	59.3	45.6	39.5	34.9	31.4
27.5°	171.2	159.0	148.4	136.2	124.6	115.5	57.2	43.6	37.0	32.4	28.9
30°	198.0	180.3	163.6	150.4	136.7	123.6	55.2	41.0	34.9	29.9	25.8
32.5°	227.9	207.1	187.9	168.1	150.9	135.7	53.2	39.0	32.4	27.3	23.8
35°	264.9	238.5	212.7	189.9	169.1	148.9	51.1	37.0	30.4	24.8	21.3
37.5°	318.0	285.1	251.2	221.8	195.0	168.1	49.6	34.9	27.9	22.3	18.7
40°	391.0	348.4	306.9	266.9	231.9	198.5	47.6	32.9	25.8	20.3	16.7
42.5°	470.0	418.3	363.6	318.5	270.4	228.4	45.6	30.9	23.8	18.2	14.7
45°	568.2	503.9	437.5	376.3	317.5	263.3	43.6	28.9	21.3	16.2	12.7
47.5°	675.6	593.5	518.6	441.6	371.7	306.9	41.0	27.3	19.2	14.2	11.1
50°	786.0	699.4	604.7	517.1	434.0	350.4	38.5	24.8	17.2	12.7	9.1
52.5°	905.0	802.7	706.0	597.1	500.3	407.7	36.0	22.8	15.7	11.1	7.6
55°	1056.4	941.9	828.5	706.5	590.0	474.0	33.4	20.3	13.7	9.6	6.1
57.5°	1246.8	1111.1	971.8	834.1	692.8	561.1	31.4	17.7	11.6	8.1	5.1
60°	1426.6	1268.1	1099.4	940.9	781.4	628.0	28.4	15.7	10.1	6.6	5.1
62.5°	1519.8	1339.0	1157.2	982.5	812.3	651.8	25.3	13.2	8.6	5.6	4.6
65°	1497.0	1312.6	1136.4	960.2	793.6	636.6	22.3	11.6	7.6	5.1	4.6
66°	1464.1	1281.8	1104.5	936.9	777.9	620.4	20.8	11.1	7.1	5.1	4.1
67.5°	1392.2	1215.9	1046.8	890.8	734.8	589.5	18.7	10.1	6.6	4.6	4.1
70°	1189.1	1029.0	893.8	755.1	628.0	496.8	15.2	8.6	5.6	4.1	4.1
72.5°	787.0	678.1	588.0	505.9	422.9	328.2	12.7	7.1	4.6	4.1	3.5
75°	296.8	268.4	230.4	207.1	180.8	158.5	10.1	4.6	3.5	3.5	3.5
77.5°	52.7	48.6	43.0	39.5	36.5	33.4	8.1	3.0	3.0	3.5	3.5
80°	35.4	32.9	29.9	27.3	25.3	22.8	5.6	2.5	3.0	3.0	3.5
82.5°	25.3	23.8	22.3	20.3	18.7	16.7	3.5	2.5	3.0	3.0	3.0
85°	15.2	14.2	13.2	12.2	10.6	10.1	2.5	2.5	2.5	3.0	3.0
87.5°	4.1	3.5	4.1	4.1	3.0	3.5	2.0	2.0	2.0	2.5	2.5
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):

	145°	155°	165°	175°	180°
0°	79.5	79.5	79.5	79.5	79.5
2.5°	67.4	67.4	66.3	67.9	67.9
5°	58.2	58.2	57.7	58.2	58.2
7.5°	53.2	52.7	52.7	52.7	53.2
10°	48.6	48.1	48.1	48.1	48.1
12.5°	44.6	44.1	43.6	44.1	44.1
15°	41.0	40.0	40.0	40.0	40.0
17.5°	38.0	37.0	36.5	36.5	36.5
20°	34.9	33.4	33.4	33.4	33.4
22.5°	31.9	30.4	30.4	30.4	30.4
25°	28.9	27.3	27.3	27.3	27.3
27.5°	26.3	24.8	24.8	24.8	24.8
30°	23.3	22.3	22.3	22.8	22.3
32.5°	21.3	19.8	19.8	20.3	20.3
35°	18.7	17.7	17.7	17.7	17.7
37.5°	16.2	15.2	15.2	15.2	15.2
40°	14.2	13.2	12.7	13.2	13.2
42.5°	12.2	11.1	10.6	10.6	10.6
45°	10.6	9.1	8.6	9.1	9.1
47.5°	8.6	7.6	7.6	8.1	8.1
50°	6.6	6.6	7.1	8.1	8.1
52.5°	6.1	6.1	7.1	8.1	8.1
55°	5.6	6.1	7.1	7.6	8.1
57.5°	5.1	6.1	7.1	7.6	7.6
60°	5.1	5.6	6.6	7.6	7.6
62.5°	4.6	5.1	6.1	7.1	7.1
65°	4.6	5.1	6.1	7.1	7.1
66°	4.6	5.1	6.1	7.1	7.1
67.5°	4.6	5.1	6.1	7.1	7.1
70°	4.6	5.1	6.1	6.6	6.6
72.5°	4.1	4.6	5.6	6.6	6.6
75°	4.1	4.6	5.6	6.6	6.6
77.5°	4.1	4.6	5.6	6.6	6.6
80°	4.1	4.6	5.6	6.1	6.6
82.5°	3.5	4.6	5.1	6.1	6.1
85°	3.5	4.1	5.1	5.6	6.1
87.5°	3.0	3.5	4.1	5.1	5.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)