

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: P180832

Luminaire Tested: **ICS-F02-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180832
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
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-SL4-HSS-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 2761.8 lumens
Efficiency: N/A
Efficacy: 50.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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



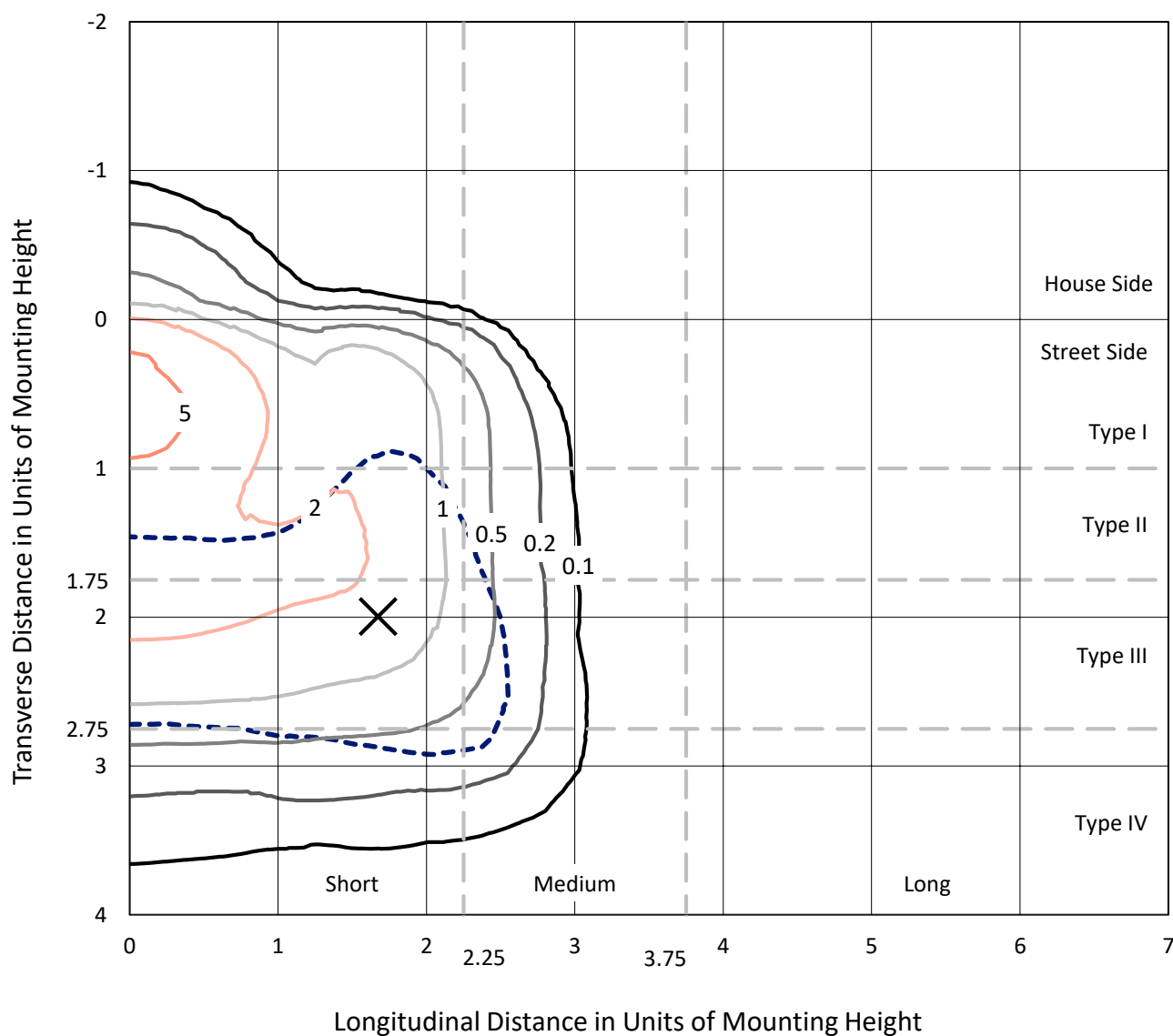
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

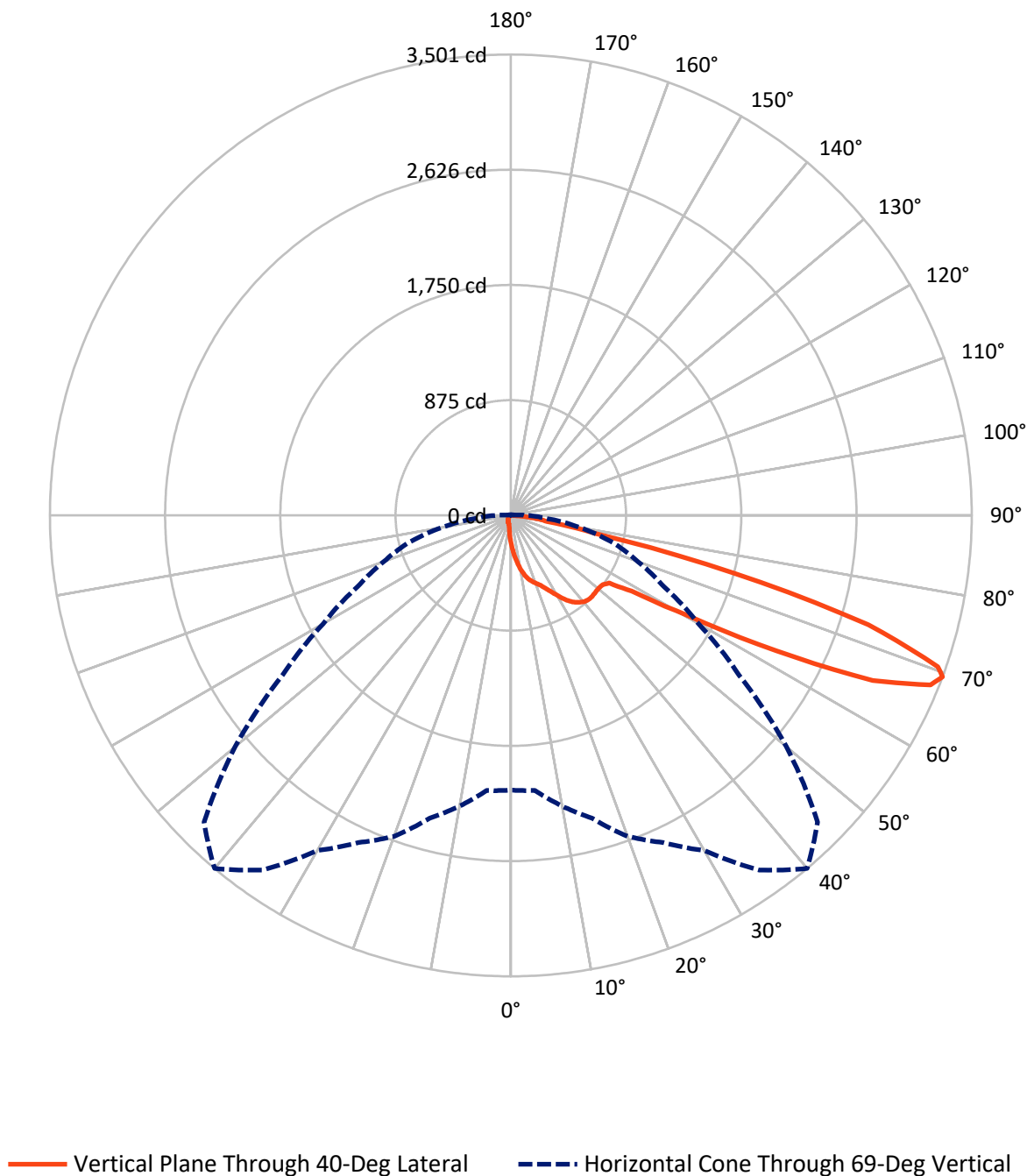


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.2	0.0	82.2
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	2679.5	0.0	2679.5
	% Fixture	97.0	0.0	97.0
Total	Lumens	2761.8	0.0	2761.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.4	0.8
10°-20°	73.9	2.7
20°-30°	141.5	5.1
30°-40°	235.3	8.5
40°-50°	318.3	11.5
50°-60°	497.8	18.0
60°-70°	1023.6	37.1
70°-80°	411.9	14.9
80°-90°	38.1	1.4
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°	2761.8	100.0
0°-180°	2761.8	100.0

Coefficient of Utilization



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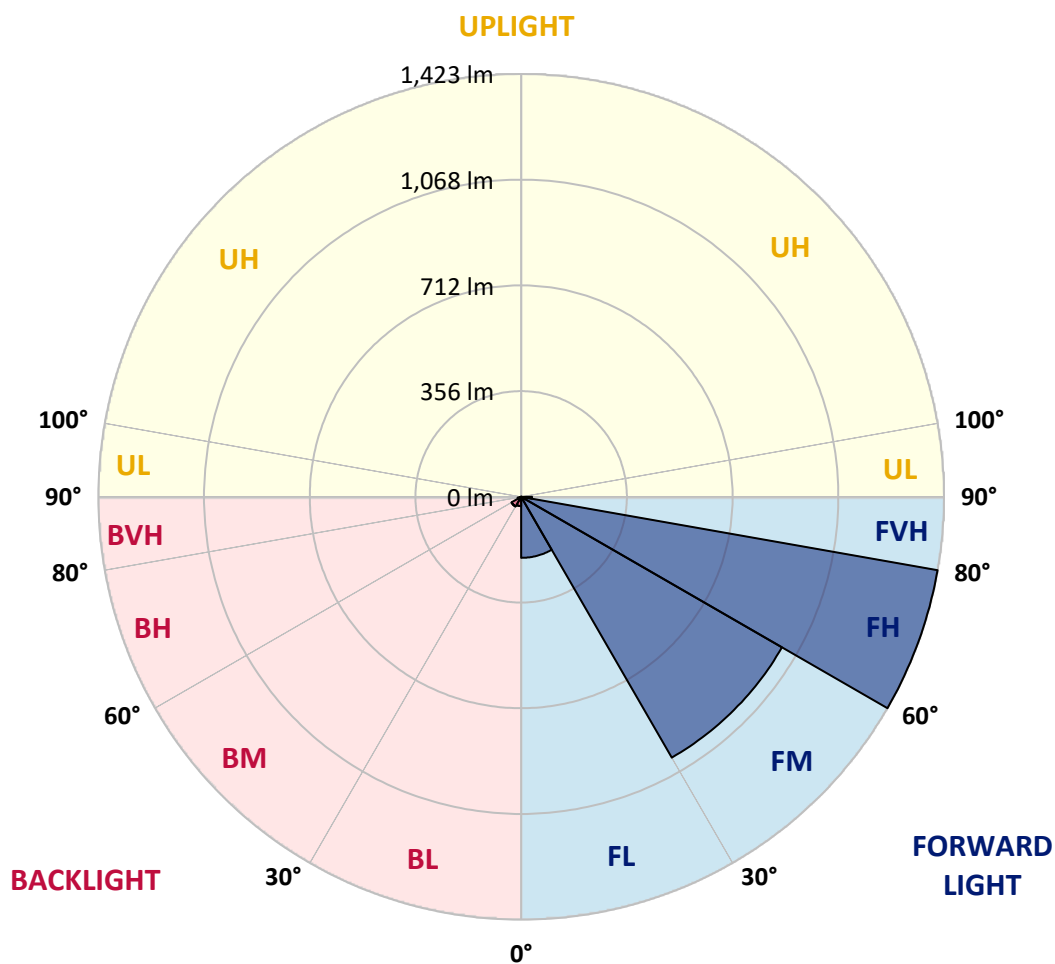
CATALOG NUMBER: ICS-F02-LED-E1-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.5	7.4			
FM	(30°-60°)	1013.9	36.7			
FH	(60°-80°)	1423.4	51.5			G1/1800
FVH	(80°-90°)	36.7	1.3			G1/100
BL	(0°-30°)	31.3	1.1	B0/110		
BM	(30°-60°)	37.6	1.4	B0/220		
BH	(60°-80°)	12.0	0.4	B0/110		G0/110
BVH	(80°-90°)	1.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
2.5°	278.2	275.1	271.5	271.5	266.9	266.9	264.2	257.0	256.1	252.0	247.9
5°	355.2	352.4	347.9	343.8	340.2	333.9	329.4	320.8	311.3	302.2	294.1
7.5°	430.3	428.9	420.8	419.4	413.5	403.1	394.1	381.4	365.1	352.4	337.5
10°	499.9	496.8	494.9	487.3	478.7	467.4	453.3	437.9	418.9	399.0	377.8
12.5°	555.1	553.3	545.2	542.0	533.0	521.6	504.0	484.1	465.1	439.3	414.4
15°	596.3	593.1	587.7	582.7	571.9	561.9	545.6	523.9	500.8	472.8	442.9
17.5°	630.7	624.8	623.4	615.7	604.4	592.7	574.6	554.7	527.5	499.5	466.9
20°	676.8	668.7	666.0	654.7	641.5	625.2	604.4	579.6	551.0	520.3	486.8
22.5°	731.1	725.2	719.3	709.4	692.7	669.6	639.3	612.1	575.9	542.0	505.8
25°	808.0	803.0	793.5	780.0	759.2	731.6	694.9	655.1	612.6	569.1	526.6
27.5°	882.7	878.1	871.4	861.0	837.4	807.1	761.9	711.2	657.4	604.9	557.8
30°	952.8	948.7	941.9	931.5	910.7	880.9	829.7	775.4	708.5	647.4	590.9
32.5°	1028.4	1027.0	1019.3	1004.4	986.3	946.0	890.4	832.0	764.1	693.6	627.5
35°	1113.9	1103.5	1096.2	1081.3	1050.5	1007.5	942.4	878.6	807.1	734.7	661.0
37.5°	1186.2	1176.3	1167.2	1148.2	1110.7	1055.9	982.2	912.1	838.3	764.6	689.5
40°	1239.2	1234.2	1223.3	1198.5	1156.4	1091.2	1011.6	935.2	861.0	786.8	712.6
42.5°	1278.5	1270.8	1258.6	1232.8	1183.1	1108.9	1023.4	944.7	871.4	800.3	727.5
45°	1293.0	1286.7	1275.4	1247.3	1193.5	1113.9	1022.9	941.9	871.8	804.4	737.4
47.5°	1284.4	1278.1	1268.1	1241.9	1189.0	1108.0	1014.8	934.2	867.3	805.8	746.5
50°	1255.9	1252.3	1244.6	1222.4	1174.9	1096.7	1007.5	930.2	866.4	812.5	759.2
52.5°	1253.2	1250.9	1241.4	1219.3	1170.9	1093.0	1006.6	932.4	874.1	821.1	768.2
55°	1531.4	1499.3	1427.4	1366.3	1265.9	1146.4	1052.3	969.1	906.7	855.1	818.0
57.5°	2176.6	2128.6	2034.1	1917.8	1687.1	1460.4	1279.0	1147.8	1083.1	1059.6	1073.6
60°	2478.8	2470.2	2455.3	2400.1	2282.0	2087.0	1869.9	1635.0	1540.9	1532.8	1561.3
62.5°	2622.2	2616.8	2621.3	2614.5	2577.9	2520.9	2458.5	2357.1	2263.9	2203.7	2076.2
65°	2688.3	2691.9	2717.7	2738.1	2742.6	2757.5	2803.2	2929.4	3021.7	2866.5	2512.3
67.5°	2520.4	2541.7	2601.0	2675.2	2762.0	2846.2	2981.9	3247.9	3437.5	3255.2	2752.1
69°	2086.6	2097.0	2241.7	2381.5	2593.7	2742.1	2938.9	3287.7	3500.8	3295.0	2733.1
70°	1642.7	1652.2	1807.4	1997.4	2356.2	2547.1	2804.6	3220.3	3441.6	3242.0	2635.4
72.5°	741.1	727.5	782.2	884.0	1274.0	1577.1	2027.3	2609.1	2839.4	2597.3	1971.6
75°	517.6	511.7	517.6	518.0	578.6	746.5	941.9	1414.3	1749.1	1509.3	941.9
77.5°	400.8	396.8	392.7	388.2	395.4	442.9	461.9	501.7	651.5	616.2	359.2
80°	317.1	313.5	323.5	320.3	320.3	325.7	322.1	307.2	279.1	258.8	231.6
82.5°	147.5	148.4	148.4	161.1	194.1	226.7	237.1	222.1	197.3	167.8	135.3
85°	14.0	15.8	26.7	41.2	81.9	92.3	92.7	76.9	76.9	60.6	48.9
87.5°	0.0	0.5	0.5	0.5	4.1	11.3	9.5	2.7	1.4	1.4	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
2.5°	240.7	239.3	233.9	228.5	223.5	218.1	213.1	208.1	202.7	198.6	193.6
5°	281.4	271.5	260.1	249.3	238.4	227.1	215.4	204.9	194.1	184.1	174.6
7.5°	322.6	303.1	287.7	268.3	250.6	233.0	216.7	200.0	184.6	170.1	156.5
10°	357.4	333.9	309.9	285.0	259.7	236.2	213.5	193.6	173.3	155.6	138.9
12.5°	385.9	356.1	326.6	295.4	266.9	237.1	209.0	185.0	161.1	141.2	124.0
15°	411.7	377.3	342.0	305.8	269.6	235.7	204.5	174.6	150.2	127.6	108.1
17.5°	432.5	393.2	353.3	312.6	273.7	233.9	198.6	167.4	138.9	115.4	96.4
20°	450.6	409.4	366.5	320.8	276.4	233.4	193.6	158.3	128.9	104.1	85.5
22.5°	467.4	426.2	380.0	331.2	280.5	233.0	189.1	151.6	120.3	95.5	76.9
25°	486.4	442.9	394.5	342.0	287.7	234.8	186.4	146.1	112.7	87.3	70.1
27.5°	507.6	461.9	411.7	355.6	297.2	238.4	185.5	140.3	105.9	79.6	64.7
30°	537.5	484.5	428.9	369.2	305.8	242.5	184.6	136.6	99.1	73.7	59.3
32.5°	563.7	506.7	447.9	383.2	315.3	246.6	184.1	131.7	92.7	67.9	55.2
35°	591.3	527.1	464.2	396.8	323.5	251.1	183.7	128.0	86.9	62.0	51.1
37.5°	615.3	544.3	476.9	408.5	332.5	255.2	184.1	124.9	81.4	57.0	47.5
40°	635.7	561.9	490.9	419.4	342.0	261.5	184.6	121.7	76.0	52.5	44.3
42.5°	653.7	578.6	505.8	431.6	352.9	268.7	187.3	119.0	71.5	48.4	41.2
45°	667.8	594.0	522.1	448.8	370.5	280.5	192.3	117.2	67.0	44.8	38.5
47.5°	682.3	616.6	549.7	475.9	396.3	299.1	200.9	116.7	63.3	42.1	36.2
50°	702.2	639.3	574.1	503.5	419.8	318.1	211.3	117.2	58.8	39.4	33.9
52.5°	716.6	662.3	605.8	551.5	475.9	376.0	251.5	125.3	56.6	37.1	31.2
55°	802.1	792.6	794.0	803.0	744.7	639.7	420.8	181.0	66.5	42.1	30.8
57.5°	1131.1	1164.5	1184.0	1183.5	1087.2	901.7	565.1	232.5	74.2	48.9	36.6
60°	1563.6	1538.2	1502.5	1414.3	1286.2	1029.3	632.0	250.2	64.2	38.9	33.5
62.5°	1945.9	1797.5	1665.8	1522.8	1355.0	1073.6	645.6	248.8	56.1	29.4	23.5
65°	2184.3	1917.4	1704.7	1525.6	1327.9	1036.5	610.8	228.5	47.5	24.0	19.5
67.5°	2241.3	1852.7	1551.8	1323.3	1109.3	806.7	448.3	171.9	37.1	19.9	17.2
69°	2116.9	1646.8	1285.8	1026.5	807.1	535.2	277.3	108.6	28.5	18.1	15.8
70°	1947.2	1432.4	1047.4	823.9	597.6	376.0	194.1	76.5	23.1	16.7	14.5
72.5°	1252.8	752.4	514.9	358.3	246.6	149.8	76.0	34.4	17.6	14.0	11.8
75°	485.9	278.2	201.8	153.4	119.9	83.2	46.1	22.2	14.9	11.8	9.0
77.5°	239.3	183.2	149.8	102.7	59.7	37.1	24.9	17.2	12.2	8.6	5.9
80°	189.1	125.8	75.1	46.6	35.3	26.7	19.0	14.0	9.0	5.4	4.1
82.5°	96.8	52.9	38.9	31.7	26.2	20.8	15.4	10.0	5.9	3.6	3.2
85°	30.3	22.2	19.9	19.5	18.1	14.9	10.9	6.3	3.6	2.3	2.3
87.5°	2.3	3.2	4.1	3.2	3.6	3.2	4.1	2.7	1.8	1.8	1.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6	208.6
2.5°	190.0	184.6	179.6	176.4	170.6	168.3	166.0	165.1	161.1	162.0	158.3
5°	166.0	156.5	149.3	142.1	135.3	130.3	126.2	121.2	117.2	115.4	111.7
7.5°	144.3	132.1	122.6	114.9	106.8	100.4	95.0	91.4	87.8	84.2	82.3
10°	125.3	112.2	101.3	93.7	86.0	80.5	76.5	73.7	71.5	70.1	69.7
12.5°	107.7	95.0	85.1	78.3	72.4	69.7	67.9	66.5	66.1	65.6	65.6
15°	94.1	81.4	73.7	68.8	66.1	64.7	64.2	63.3	62.4	62.0	62.0
17.5°	81.4	71.9	66.5	63.8	62.4	61.5	60.6	59.7	58.8	58.4	58.4
20°	72.8	65.1	62.4	60.6	59.3	58.4	57.0	56.1	55.6	55.2	54.7
22.5°	66.1	61.1	59.3	57.9	56.1	54.7	53.8	52.9	52.0	51.6	51.1
25°	61.1	57.9	56.6	54.7	52.9	51.6	50.2	48.9	48.0	47.5	46.6
27.5°	57.5	55.2	53.4	51.1	49.3	48.0	46.6	45.2	44.3	43.4	43.0
30°	54.3	52.0	49.8	48.0	45.7	44.3	42.5	41.2	40.7	39.8	38.9
32.5°	51.1	48.9	46.6	44.3	42.1	40.3	39.4	37.6	36.6	36.2	35.3
35°	47.5	45.2	42.5	40.7	38.5	36.6	35.3	33.9	33.0	32.1	31.7
37.5°	44.3	41.6	38.9	36.6	34.8	33.0	31.7	30.3	29.4	28.5	28.1
40°	40.7	38.0	35.3	33.0	31.2	29.9	28.5	27.1	26.2	25.8	25.8
42.5°	37.6	34.4	31.7	29.9	28.5	26.7	25.3	24.0	23.5	23.1	23.5
45°	34.4	31.2	29.0	27.1	25.8	24.0	22.6	21.7	21.3	21.7	22.2
47.5°	31.7	28.5	26.2	24.9	23.5	22.2	20.8	19.9	19.9	20.8	21.7
50°	29.0	25.8	24.0	23.1	21.7	20.4	18.5	18.1	18.5	19.5	20.4
52.5°	26.2	22.6	21.3	20.8	19.5	18.1	16.7	16.3	16.7	17.6	17.2
55°	23.5	19.9	19.5	19.0	17.6	15.8	14.5	14.5	14.5	14.0	13.1
57.5°	22.6	17.6	17.2	16.7	15.4	13.6	12.7	11.8	11.3	10.0	9.5
60°	23.5	15.8	15.8	14.9	13.6	11.8	10.4	9.0	8.1	7.2	7.2
62.5°	19.0	14.5	14.0	13.1	11.3	9.5	8.1	6.8	6.3	5.9	5.9
65°	15.4	13.1	12.2	10.9	9.5	7.7	6.3	5.4	5.0	5.0	5.4
67.5°	14.0	11.8	10.4	9.0	7.7	5.9	5.0	4.5	4.5	5.0	5.0
69°	13.1	10.9	9.5	8.1	6.8	5.4	4.5	4.5	4.5	4.5	5.0
70°	12.2	10.4	9.0	7.7	5.9	4.5	4.1	4.1	4.5	4.5	5.0
72.5°	9.5	8.1	7.7	6.3	4.5	4.1	3.6	4.1	4.1	4.5	4.5
75°	7.2	5.9	5.9	5.0	3.6	3.2	3.2	3.6	3.6	4.1	4.1
77.5°	5.0	4.1	4.1	3.6	3.2	2.7	2.7	3.2	3.6	3.6	4.1
80°	3.6	3.2	2.7	3.2	2.7	2.3	2.7	3.2	3.2	3.6	3.6
82.5°	2.7	2.7	2.7	2.7	2.3	2.3	2.7	2.7	3.2	3.6	3.6
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.7	2.7	3.2	3.2
87.5°	1.4	1.4	1.4	1.8	1.8	2.3	2.3	2.3	2.3	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):

	165°	170°	175°	180°
0°	208.6	208.6	208.6	208.6
2.5°	157.4	157.0	155.2	155.6
5°	110.4	107.7	109.5	109.0
7.5°	81.0	80.5	80.1	81.0
10°	69.2	69.2	68.8	69.2
12.5°	65.1	65.1	65.1	65.1
15°	62.0	62.0	61.5	61.5
17.5°	58.4	58.4	58.4	57.9
20°	54.7	54.3	54.3	54.3
22.5°	50.7	50.2	50.2	50.2
25°	46.6	46.1	46.1	46.1
27.5°	42.5	42.1	41.6	41.6
30°	38.5	38.0	37.6	37.6
32.5°	34.4	33.9	33.5	33.5
35°	30.8	30.8	30.3	29.9
37.5°	27.6	27.6	27.6	27.6
40°	25.3	25.8	25.8	25.8
42.5°	24.0	24.4	24.9	25.3
45°	23.1	24.0	24.4	24.4
47.5°	22.6	23.1	23.5	23.5
50°	20.8	20.4	20.4	20.4
52.5°	16.7	15.8	15.4	14.9
55°	12.2	11.8	10.9	10.9
57.5°	8.6	8.6	8.1	8.1
60°	6.8	6.8	6.3	6.8
62.5°	5.9	5.9	5.9	5.9
65°	5.4	5.4	5.4	5.4
67.5°	5.4	5.4	5.4	5.4
69°	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.0
72.5°	4.5	4.5	4.5	4.5
75°	4.1	4.5	4.5	4.5
77.5°	4.1	4.1	4.1	4.1
80°	3.6	3.6	4.1	4.1
82.5°	3.6	3.6	3.6	3.6
85°	3.2	3.2	3.6	3.6
87.5°	2.7	2.7	3.2	3.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)