

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: P181483

Luminaire Tested: **ICS-F01-LED-E1-T3-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181483
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-T3-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2092.8 lumens
Efficiency: N/A
Efficacy: 80.8 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): 25.9
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



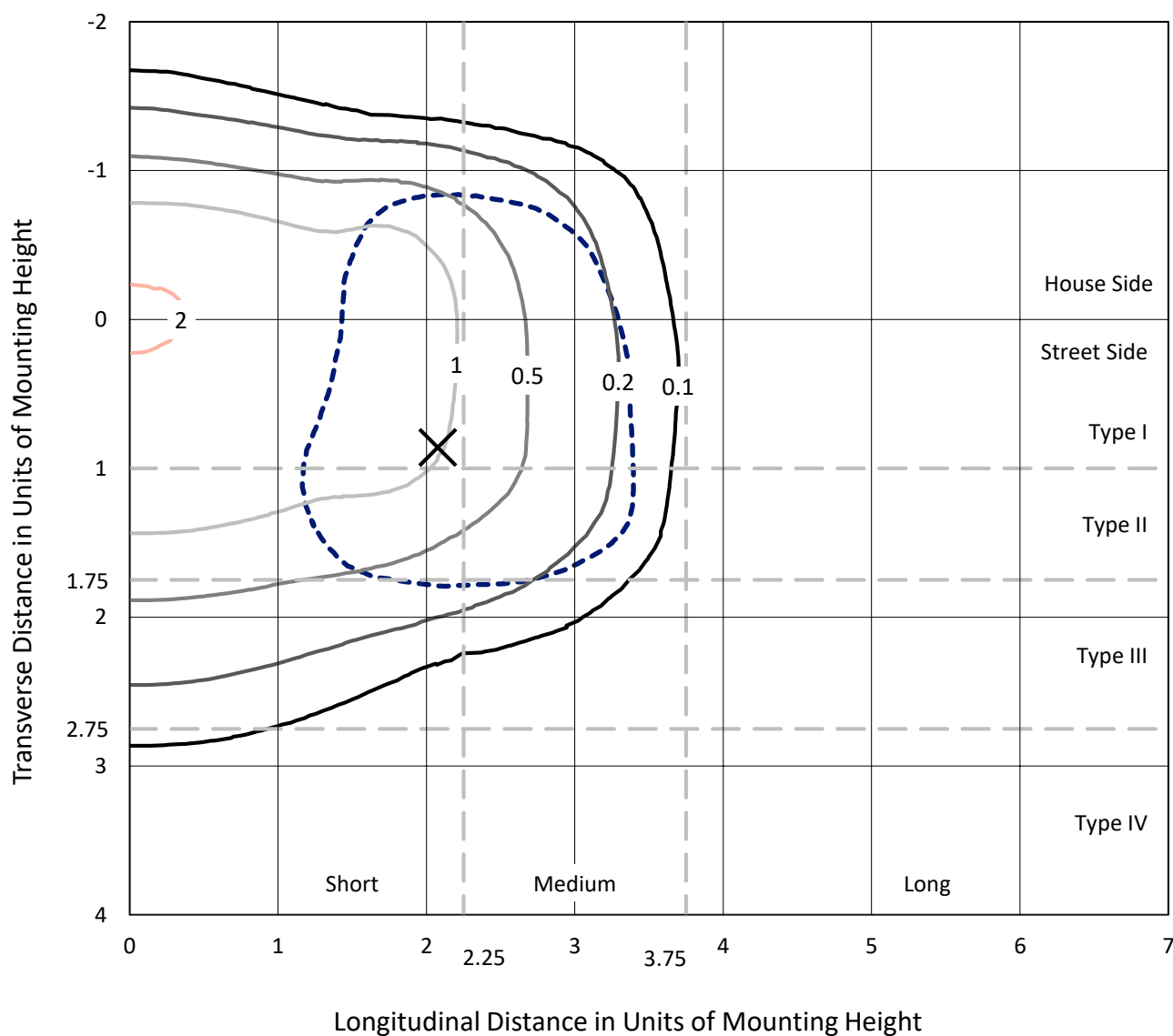
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

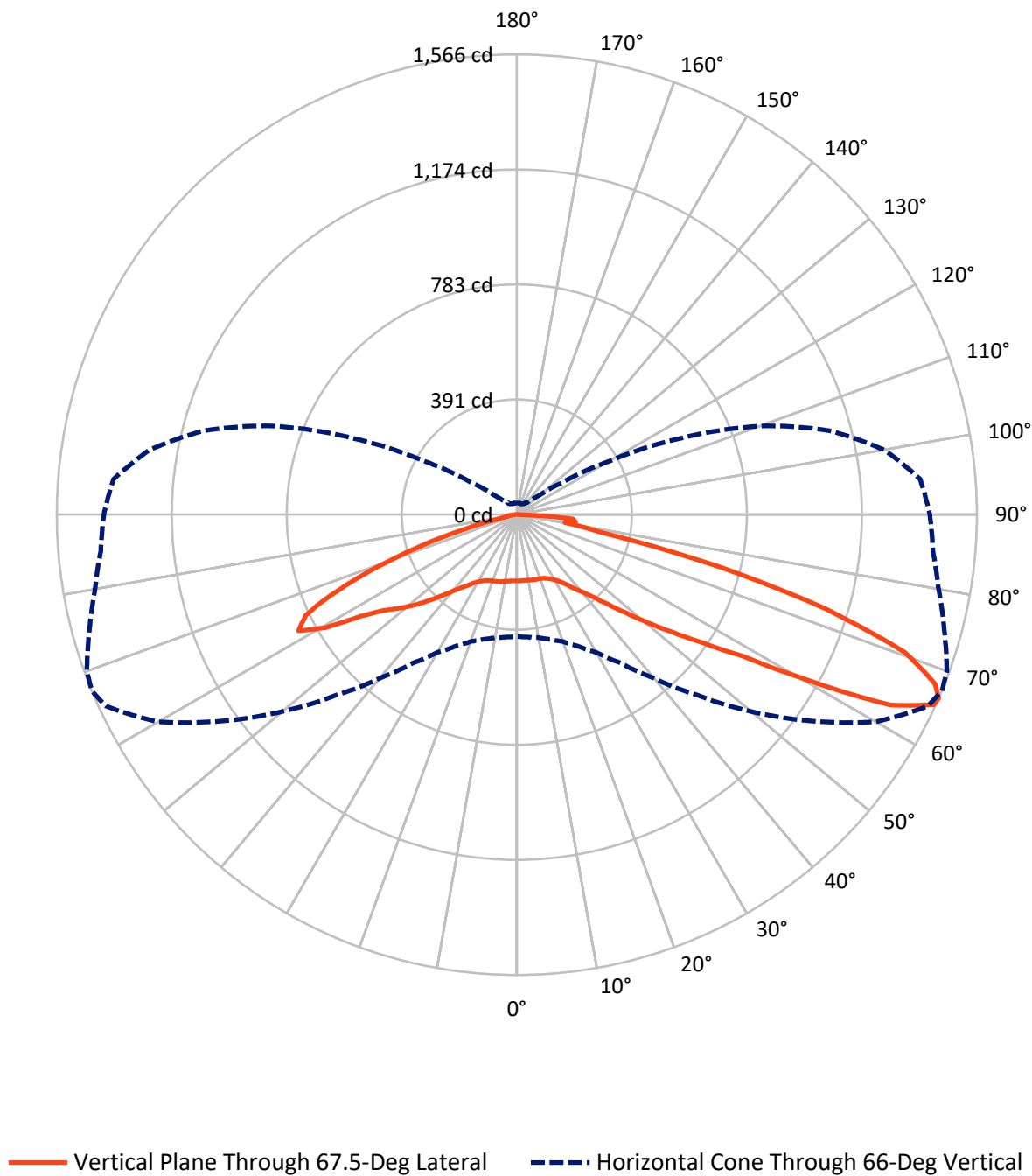


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.7	0.0	722.7
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	1370.1	0.0	1370.1
	% Fixture	65.5	0.0	65.5
Total	Lumens	2092.8	0.0	2092.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	1.0
10°-20°	63.8	3.0
20°-30°	109.6	5.2
30°-40°	177.9	8.5
40°-50°	297.0	14.2
50°-60°	467.7	22.3
60°-70°	637.7	30.5
70°-80°	276.1	13.2
80°-90°	41.5	2.0
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°	2092.8	100.0
0°-180°	2092.8	100.0

Coefficient of Utilization



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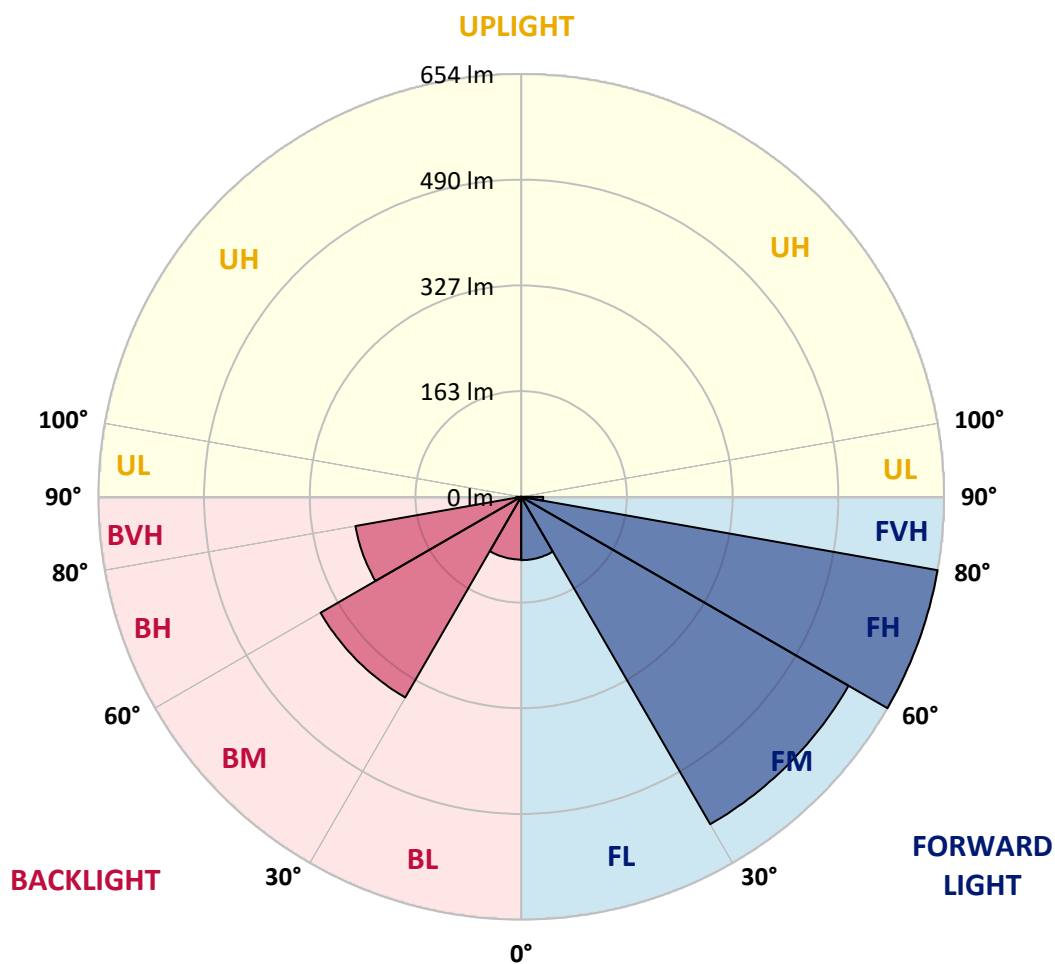
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	97.9	4.7			
FM	(30°-60°)	584.5	27.9			
FH	(60°-80°)	653.7	31.2			G0/660
FVH	(80°-90°)	34.1	1.6			G1/100
BL	(0°-30°)	97.0	4.6	B0/110		
BM	(30°-60°)	358.1	17.1	B1/1000		
BH	(60°-80°)	260.2	12.4	B1/500		G1/500
BVH	(80°-90°)	7.4	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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5
2.5°	226.4	227.3	226.4	226.7	226.9	226.7	226.4	226.4	225.8	226.2	226.7
5°	225.5	226.2	226.0	226.2	226.4	226.2	226.0	226.2	225.8	226.0	226.7
7.5°	224.4	224.2	224.4	224.9	225.3	225.3	225.3	225.5	225.3	225.3	226.0
10°	221.0	221.2	221.7	222.4	222.6	223.3	223.3	223.9	224.2	224.6	225.5
12.5°	216.7	216.9	217.4	217.8	219.0	220.1	220.1	221.7	222.4	223.5	225.1
15°	213.5	213.8	214.2	214.7	215.6	216.7	217.4	219.2	220.3	222.4	224.6
17.5°	215.4	215.1	215.6	215.8	215.8	216.7	216.7	218.1	219.4	221.2	224.2
20°	220.6	220.6	221.0	221.0	220.8	221.2	220.3	220.3	220.6	221.5	223.5
22.5°	225.8	225.5	226.4	226.9	227.1	227.8	226.9	226.7	225.5	224.9	225.5
25°	230.7	230.5	231.6	232.3	233.4	234.1	234.1	234.1	233.2	232.1	231.4
27.5°	238.4	238.4	239.6	240.2	241.1	242.5	243.2	243.2	243.4	241.8	240.7
30°	251.3	251.5	251.8	252.7	253.6	254.0	254.9	255.6	256.3	255.4	253.6
32.5°	266.7	265.3	265.3	266.7	267.8	269.2	269.6	270.5	271.9	271.2	271.0
35°	285.0	284.6	284.1	284.6	285.9	287.5	289.3	290.9	290.0	291.4	290.7
37.5°	312.2	312.6	312.8	312.8	312.6	313.1	314.0	315.6	315.1	315.6	316.5
40°	357.0	355.4	353.8	354.0	351.8	352.2	348.6	350.2	350.4	348.8	349.5
42.5°	401.7	402.7	403.3	405.1	403.6	402.7	399.3	399.3	397.5	395.9	395.4
45°	450.2	452.0	452.2	455.8	454.5	457.4	459.9	459.2	456.3	456.0	452.9
47.5°	488.8	491.8	494.9	499.2	502.6	509.2	516.9	520.7	523.0	524.8	521.2
50°	517.8	519.2	527.3	534.1	541.5	552.4	563.0	576.8	587.9	593.1	598.1
52.5°	533.4	536.8	545.6	556.3	569.4	585.7	602.9	624.8	643.8	656.5	667.8
55°	536.8	540.2	550.1	563.7	581.6	603.5	628.2	658.0	686.5	711.0	734.7
57.5°	527.3	531.1	541.8	557.4	578.4	605.1	636.1	675.2	714.6	754.2	789.2
60°	509.9	514.6	524.4	539.7	563.0	593.1	630.2	679.3	734.5	795.1	862.3
62.5°	481.1	486.1	495.2	512.1	536.1	569.4	612.4	673.4	751.5	846.9	966.1
65°	435.0	437.3	448.3	465.5	486.8	523.5	570.7	644.5	746.0	878.8	1043.1
66°	414.2	418.0	424.8	438.6	459.0	493.4	540.9	615.7	725.5	867.7	1041.0
67.5°	381.6	384.6	389.1	398.4	410.8	436.1	481.1	552.0	662.6	811.6	997.8
70°	308.6	309.9	316.0	319.2	323.5	331.9	348.1	388.9	475.0	615.1	805.3
72.5°	210.4	214.2	220.8	229.8	241.6	252.9	260.6	265.8	284.3	366.9	536.6
75°	154.3	158.3	166.7	178.7	199.3	222.8	247.2	258.6	250.9	240.2	298.8
77.5°	89.6	95.0	102.0	113.6	132.6	163.8	205.6	242.7	267.8	269.4	255.8
80°	37.8	38.5	42.8	48.6	60.4	82.3	114.9	168.3	223.9	261.5	270.3
82.5°	8.6	10.6	13.6	16.1	19.7	27.1	40.3	67.0	121.0	189.8	247.5
85°	3.2	3.2	4.3	6.3	7.2	8.1	10.6	17.0	29.0	53.4	111.3
87.5°	0.0	0.2	0.5	0.5	0.9	1.1	1.8	2.5	2.3	2.0	6.8
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°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5
2.5°	226.2	226.0	225.5	225.5	225.5	225.5	225.1	225.3	224.9	225.1	225.1
5°	226.0	226.0	225.8	225.3	225.5	225.5	225.8	225.3	225.3	225.5	225.3
7.5°	226.0	225.8	225.8	225.8	226.0	225.8	226.0	226.0	226.0	226.2	226.2
10°	226.0	226.0	226.4	226.7	226.7	226.9	227.6	227.6	227.8	228.0	228.5
12.5°	226.2	227.1	227.8	228.5	228.7	229.2	230.3	230.3	230.7	231.4	231.6
15°	226.4	227.8	229.2	229.6	230.1	231.0	232.1	232.5	233.2	233.9	234.4
17.5°	226.2	228.0	229.6	230.3	231.0	232.1	233.4	233.9	234.8	235.7	236.6
20°	226.0	228.5	231.0	231.9	232.8	234.4	236.2	237.3	238.2	239.6	240.5
22.5°	227.3	230.3	233.7	235.0	236.6	238.7	241.1	242.5	243.6	245.0	245.7
25°	231.6	233.9	238.0	240.2	242.3	245.7	249.1	250.6	252.0	253.1	253.4
27.5°	238.9	239.6	244.5	247.5	250.4	255.8	259.9	261.0	263.5	264.4	264.2
30°	250.6	249.5	253.6	258.1	262.4	269.9	274.8	277.8	280.0	280.0	278.2
32.5°	267.6	265.8	266.9	272.1	277.1	288.0	293.8	297.7	299.3	298.8	295.0
35°	289.8	288.6	288.0	292.0	300.0	312.6	320.3	322.3	324.8	324.4	319.4
37.5°	316.0	315.1	315.1	319.9	327.6	346.3	354.7	356.1	355.8	352.2	342.9
40°	347.0	346.6	344.5	347.2	353.8	378.2	389.5	391.3	388.9	383.0	372.1
42.5°	391.6	388.9	382.5	384.1	389.1	412.8	427.5	432.5	430.0	424.1	406.5
45°	449.7	446.8	436.1	434.8	437.5	458.3	477.3	478.4	478.0	470.5	449.7
47.5°	518.0	513.5	502.2	498.6	497.7	516.9	535.2	537.0	535.9	524.8	497.0
50°	592.0	585.4	578.0	575.5	571.9	585.7	604.2	604.4	599.9	584.5	558.5
52.5°	670.9	668.7	667.3	664.8	663.2	675.2	686.5	679.8	673.0	656.9	634.3
55°	750.6	759.8	769.3	770.2	773.0	785.9	785.6	767.1	762.1	753.3	730.9
57.5°	835.2	869.6	899.4	908.7	917.7	941.7	939.5	921.1	914.8	903.9	885.4
60°	950.3	1043.1	1129.2	1149.8	1164.1	1192.8	1190.1	1161.8	1174.9	1174.0	1150.1
62.5°	1111.6	1265.9	1395.0	1426.7	1436.7	1439.8	1422.6	1392.1	1405.0	1419.5	1345.7
65°	1220.9	1402.3	1534.8	1559.3	1560.6	1522.8	1484.6	1448.7	1445.5	1433.0	1327.6
66°	1223.3	1409.1	1542.1	1565.8	1557.5	1505.9	1457.5	1421.3	1405.7	1378.3	1269.0
67.5°	1179.5	1366.8	1510.0	1535.1	1516.7	1443.7	1376.9	1330.3	1299.8	1255.5	1159.1
70°	990.6	1176.3	1352.7	1399.6	1405.4	1296.4	1203.9	1149.1	1108.0	1047.1	964.1
72.5°	736.5	904.4	1060.0	1104.8	1127.7	1040.6	962.5	920.9	864.6	800.6	741.5
75°	461.7	580.2	684.5	716.0	694.5	627.1	580.2	562.8	507.4	469.2	442.2
77.5°	264.0	301.1	309.5	297.5	272.1	208.3	148.2	109.7	95.2	105.4	116.3
80°	257.7	236.2	188.2	165.6	150.0	103.2	60.6	41.6	34.6	35.5	38.5
82.5°	279.1	299.5	246.6	201.1	168.8	114.0	62.9	33.5	22.6	26.7	30.1
85°	181.4	252.5	227.3	191.6	155.2	97.5	51.8	17.4	11.5	15.2	20.8
87.5°	18.3	20.1	17.2	23.3	17.4	8.1	4.1	2.5	2.3	2.7	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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5	225.5
2.5°	225.3	225.3	225.5	225.8	226.0	226.2	226.2	226.2	226.2	226.7	226.4
5°	225.8	226.2	226.7	226.9	227.3	227.3	228.0	227.8	227.8	228.5	228.7
7.5°	226.7	227.3	228.2	228.0	228.9	228.7	229.2	229.2	228.5	228.7	228.2
10°	228.7	229.6	230.1	229.4	229.6	228.7	228.5	227.3	226.0	225.3	224.4
12.5°	232.1	233.0	233.0	231.9	230.5	228.5	226.9	224.4	222.4	221.2	220.1
15°	235.0	235.9	235.7	233.9	231.9	228.7	226.4	223.5	220.6	218.7	217.6
17.5°	237.3	237.7	237.1	234.6	232.3	229.4	227.1	223.9	220.6	218.3	216.3
20°	240.7	240.2	238.7	235.5	233.0	230.3	228.5	225.8	221.9	219.0	216.0
22.5°	245.7	243.9	240.9	237.5	235.0	232.5	230.7	227.8	223.9	220.3	216.9
25°	252.2	248.6	244.5	240.9	238.7	235.9	233.9	230.7	226.7	222.6	218.5
27.5°	261.7	255.4	250.2	247.0	244.5	241.1	238.7	234.6	230.3	225.5	221.0
30°	272.4	263.8	258.8	256.3	253.6	250.0	246.1	240.9	235.9	230.7	225.3
32.5°	286.2	275.8	271.0	268.5	264.9	260.4	255.8	250.0	242.9	236.2	229.6
35°	304.3	293.6	288.6	284.8	279.8	273.9	267.4	259.5	250.0	240.9	232.5
37.5°	323.7	312.2	307.4	303.3	295.9	288.2	278.9	267.4	254.5	242.5	232.1
40°	348.4	337.7	331.6	324.6	315.8	302.4	288.0	271.2	254.7	240.0	227.8
42.5°	379.6	368.9	359.9	348.8	333.4	312.8	292.3	270.5	250.6	233.9	220.8
45°	421.0	408.1	392.5	373.0	348.1	319.4	292.5	266.2	242.9	224.4	210.4
47.5°	471.6	452.0	426.4	393.6	357.9	321.2	288.9	257.7	231.0	210.8	195.2
50°	531.8	500.8	458.8	410.6	362.8	318.5	279.8	244.8	214.0	192.5	174.0
52.5°	600.6	549.9	487.9	422.8	362.6	309.5	264.4	225.3	191.8	167.8	150.2
55°	681.3	606.0	518.0	431.8	356.3	292.7	240.9	197.9	164.5	142.3	126.0
57.5°	799.7	697.0	570.5	445.9	343.6	266.9	209.0	165.1	135.7	114.7	100.9
60°	1015.9	848.7	665.1	474.1	324.2	229.2	171.7	130.1	105.4	88.4	79.2
62.5°	1178.8	966.1	716.2	467.8	285.0	182.6	127.4	94.8	77.6	66.1	60.2
65°	1155.5	929.7	661.7	402.9	223.5	128.7	84.6	64.5	53.4	48.0	44.6
66°	1102.8	882.2	614.4	362.6	193.2	107.0	69.7	54.1	45.9	42.1	39.8
67.5°	1002.8	794.0	529.8	297.2	148.4	77.6	52.5	42.8	37.3	35.7	34.2
70°	833.6	633.2	371.9	173.1	75.8	43.2	33.3	29.9	28.5	28.3	27.8
72.5°	638.8	448.1	219.0	81.9	39.4	28.7	25.8	24.7	24.2	24.2	24.4
75°	391.6	251.8	96.8	40.0	27.6	24.2	22.8	22.4	22.2	22.4	22.2
77.5°	130.7	80.1	41.4	30.3	25.1	22.4	21.5	21.0	21.0	21.0	21.0
80°	40.0	34.8	31.7	28.1	23.8	21.3	19.9	19.7	19.9	20.1	19.5
82.5°	30.1	28.5	26.7	24.9	21.5	19.0	18.5	18.5	18.5	17.9	17.0
85°	22.2	21.9	18.1	17.0	15.8	15.8	15.8	15.8	15.2	14.0	13.1
87.5°	4.1	3.8	4.1	4.3	6.3	6.8	6.8	7.2	7.9	7.5	7.5
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):

	160°	165°	170°	175°	180°
0°	225.5	225.5	225.5	225.5	225.5
2.5°	226.4	226.2	226.9	226.4	226.7
5°	228.5	228.2	228.7	228.2	228.9
7.5°	227.8	227.3	227.1	227.3	227.6
10°	223.0	222.6	222.4	222.1	222.4
12.5°	219.0	218.1	218.1	217.6	217.8
15°	216.0	215.4	215.1	214.7	214.9
17.5°	214.7	213.5	213.1	212.6	212.6
20°	213.8	212.4	211.7	211.3	211.1
22.5°	213.8	211.7	210.8	210.4	210.1
25°	214.7	212.2	210.8	210.1	209.9
27.5°	216.5	213.3	211.7	210.8	210.8
30°	219.7	215.6	213.3	212.2	212.0
32.5°	222.8	217.4	214.2	212.9	212.4
35°	224.4	217.4	213.5	211.3	210.8
37.5°	222.6	214.4	209.7	206.3	205.6
40°	216.9	208.3	203.1	200.0	199.5
42.5°	209.5	201.1	195.0	192.7	192.1
45°	199.3	189.3	183.2	180.1	180.3
47.5°	181.9	171.7	166.3	163.3	163.8
50°	161.3	151.3	146.6	143.4	144.1
52.5°	138.7	129.6	125.1	123.5	123.1
55°	114.9	107.9	104.7	102.9	102.2
57.5°	93.2	88.2	86.0	83.7	83.9
60°	73.5	71.0	70.4	67.9	67.6
62.5°	57.9	56.3	55.6	53.8	54.1
65°	43.9	43.4	43.9	42.8	43.2
66°	39.6	39.8	39.8	39.1	39.6
67.5°	34.2	34.6	35.3	34.6	35.1
70°	28.3	28.7	29.2	29.2	29.2
72.5°	24.7	25.1	25.3	25.3	25.3
75°	22.6	22.8	23.1	22.6	22.6
77.5°	21.3	21.3	20.8	20.6	20.4
80°	19.2	19.0	18.3	17.9	17.9
82.5°	16.1	15.6	15.2	14.5	14.5
85°	12.2	11.8	11.3	10.4	10.0
87.5°	6.3	6.6	6.3	5.2	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)