

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: P180917

Luminaire Tested: **ICS-E01-LED-E1-SL4-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180917
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
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-SL4-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2428.5 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Full 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



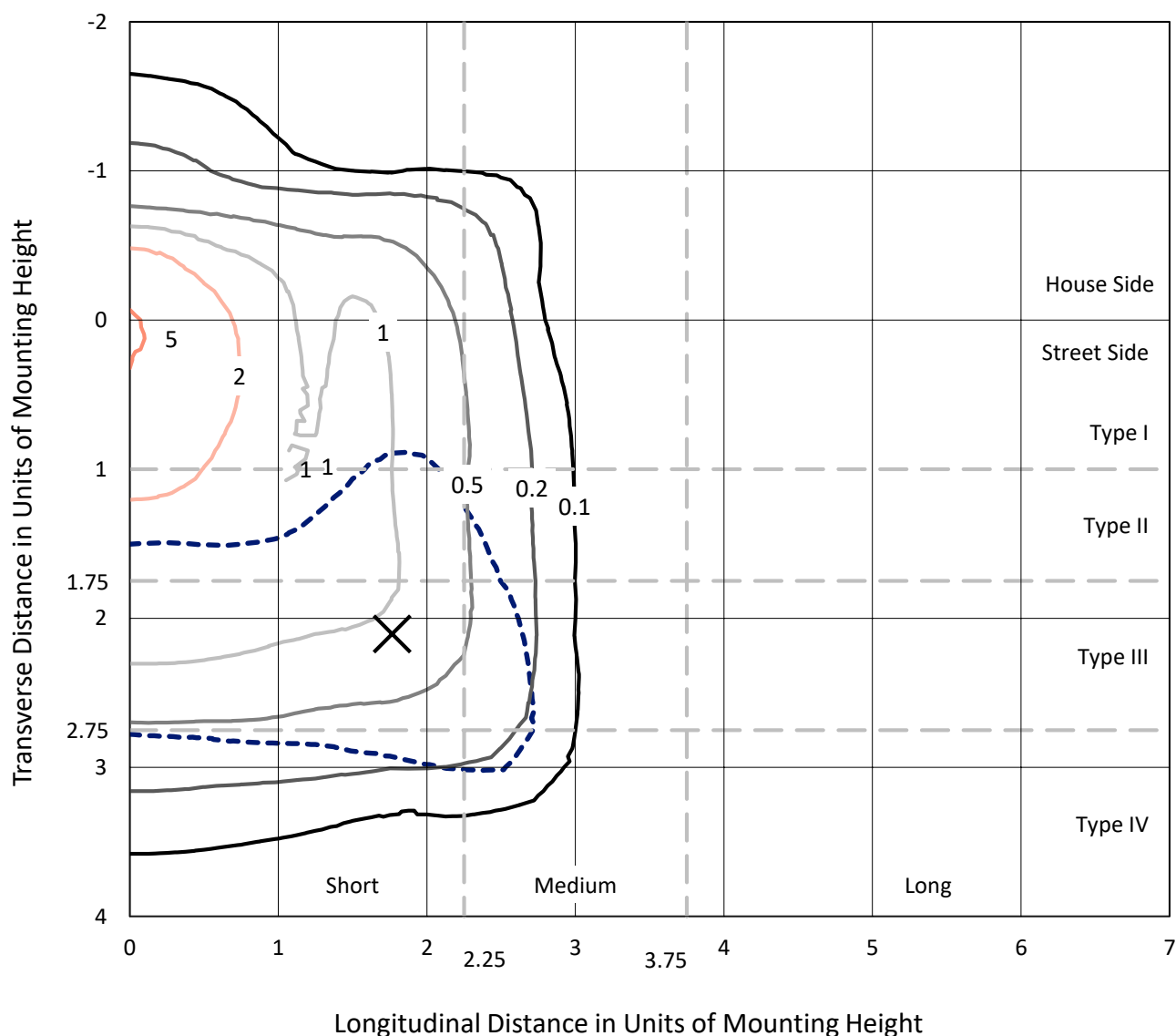
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

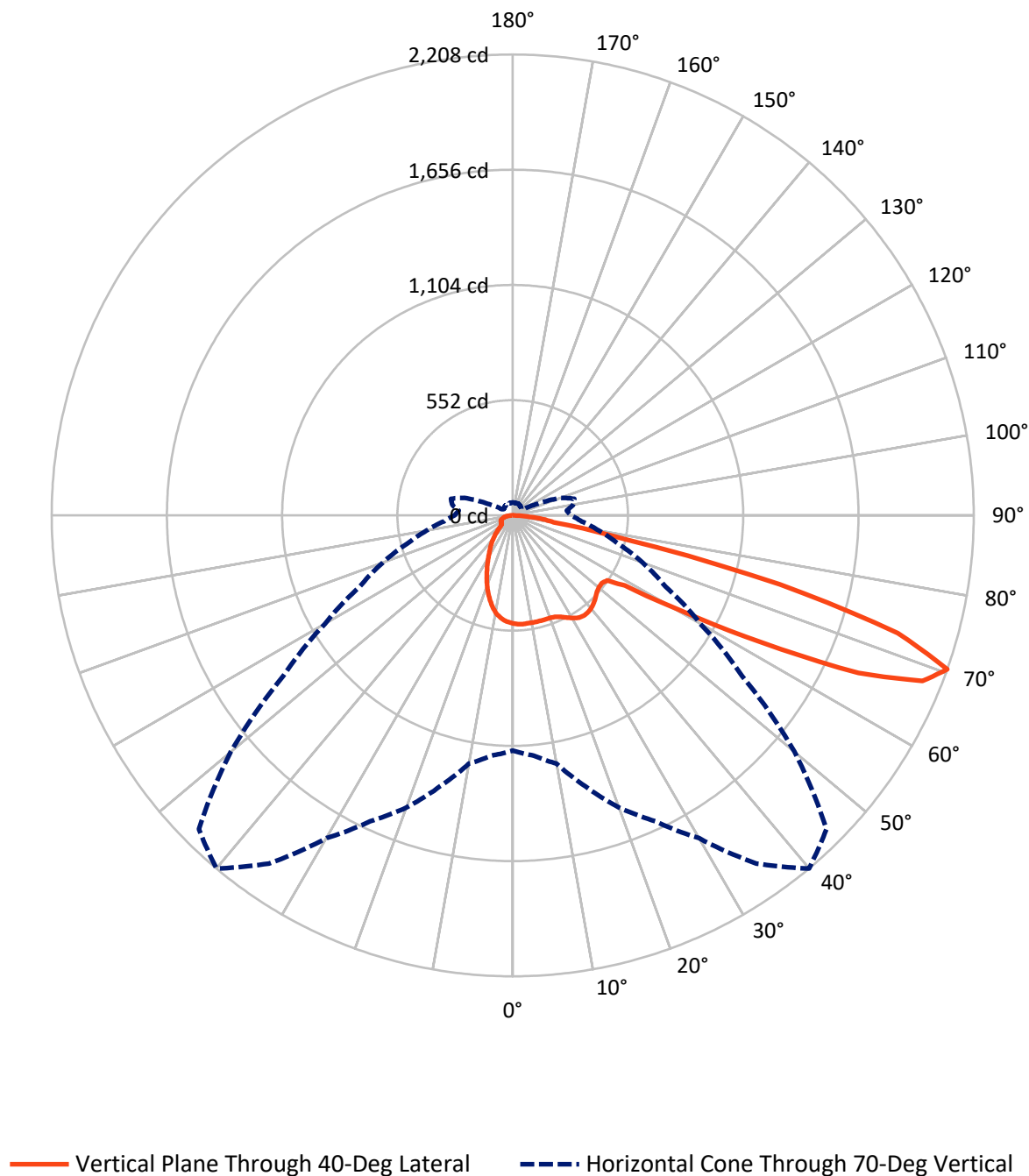


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	504.1	0.0	504.1
	% Fixture	20.8	0.0	20.8
Street Side	Lumens	1924.3	0.0	1924.3
	% Fixture	79.2	0.0	79.2
Total	Lumens	2428.5	0.0	2428.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	2.0
10°-20°	132.5	5.5
20°-30°	196.2	8.1
30°-40°	247.9	10.2
40°-50°	280.4	11.5
50°-60°	399.0	16.4
60°-70°	743.1	30.6
70°-80°	340.6	14.0
80°-90°	40.4	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°	2428.5	100.0
0°-180°	2428.5	100.0

Coefficient of Utilization



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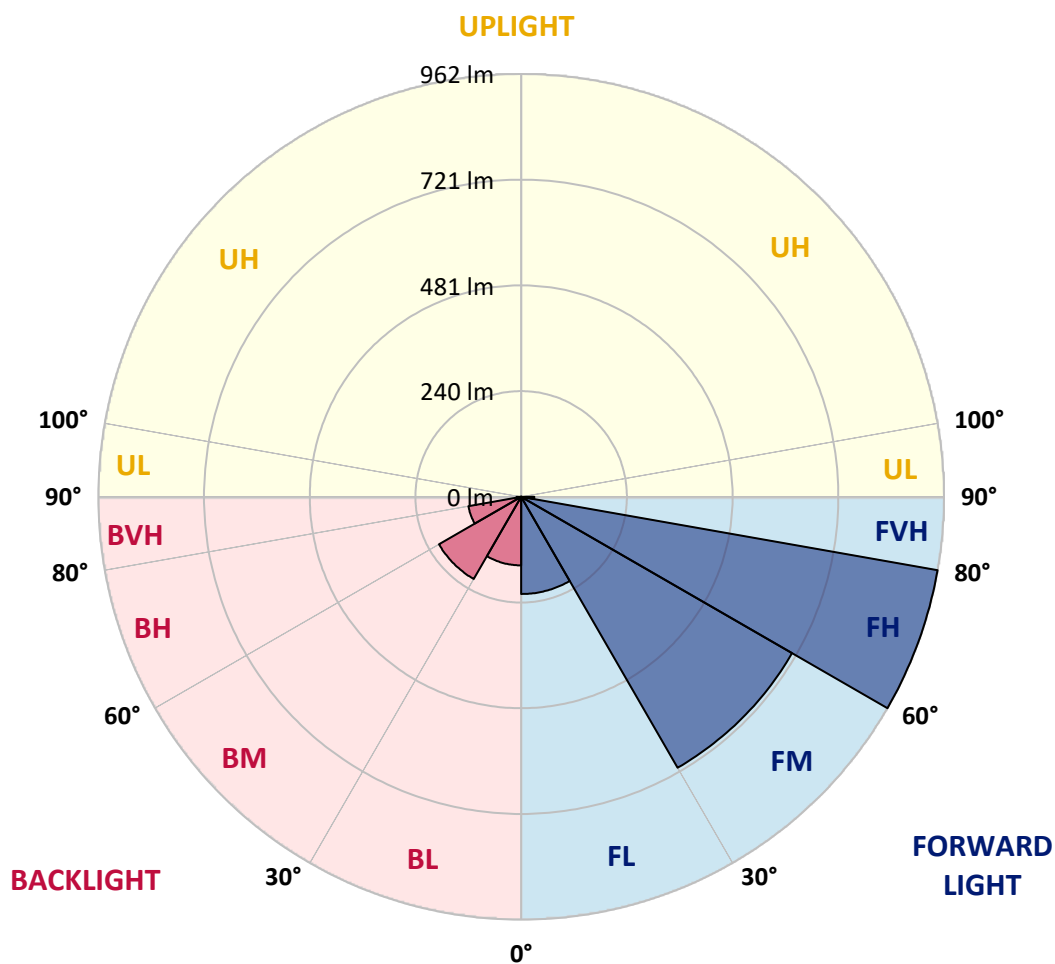
CATALOG NUMBER: ICS-E01-LED-E1-SL4-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.1	9.1			
FM	(30°-60°)	711.5	29.3			
FH	(60°-80°)	961.8	39.6			G1/1800
FVH	(80°-90°)	30.0	1.2			G1/100
BL	(0°-30°)	156.0	6.4	B1/500		
BM	(30°-60°)	215.8	8.9	B0/220		
BH	(60°-80°)	121.9	5.0	B1/500		G1/500
BVH	(80°-90°)	10.4	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2
2.5°	526.1	527.5	525.8	525.6	525.6	525.3	523.7	523.4	521.2	521.5	522.0
5°	530.0	530.5	529.4	529.1	528.6	527.5	526.1	524.5	522.8	521.2	519.8
7.5°	533.8	533.2	532.4	532.4	531.6	530.0	527.2	525.0	521.5	519.5	517.1
10°	539.3	538.4	537.4	536.8	535.4	533.0	529.1	526.1	521.7	517.9	513.8
12.5°	544.5	544.2	542.6	541.7	539.5	537.1	532.4	527.8	522.0	516.0	510.5
15°	553.8	552.7	551.1	549.4	545.8	542.6	535.4	530.0	521.7	513.8	505.3
17.5°	570.0	568.0	566.4	562.8	558.5	552.7	542.3	533.0	521.7	510.2	500.6
20°	599.6	595.4	593.3	588.6	580.9	570.5	554.3	539.3	522.6	507.8	494.9
22.5°	633.0	630.2	627.2	624.2	612.2	597.1	575.2	552.7	527.5	506.7	490.2
25°	670.5	667.0	665.3	660.1	648.9	631.6	601.7	570.5	538.7	511.0	490.2
27.5°	704.0	702.9	702.6	696.6	685.9	665.6	630.2	592.7	554.1	520.1	494.3
30°	734.4	733.3	732.7	729.4	717.1	693.0	654.6	612.4	570.8	532.7	502.0
32.5°	766.7	763.1	761.5	755.2	741.2	713.0	669.2	625.3	583.9	545.0	510.5
35°	793.0	790.0	786.7	777.7	757.9	724.5	675.5	629.7	589.1	551.9	514.9
37.5°	812.2	809.2	804.5	793.0	768.6	728.3	675.2	628.3	587.2	550.8	515.7
40°	820.7	817.7	812.7	798.2	770.5	726.2	670.0	622.0	581.5	545.0	512.4
42.5°	817.4	815.2	808.9	794.9	764.5	716.3	659.6	610.2	570.5	535.7	505.0
45°	804.8	803.2	797.1	782.3	750.8	700.4	644.2	595.4	557.4	524.2	495.2
47.5°	785.9	785.3	779.3	764.8	733.6	684.5	628.3	580.9	544.2	513.0	486.9
50°	765.1	762.3	759.3	745.9	717.4	670.8	616.8	571.9	536.8	508.9	483.4
52.5°	751.9	751.1	748.3	736.3	708.9	662.9	611.6	568.6	536.3	508.0	481.5
55°	868.6	870.6	845.4	793.0	747.0	684.8	627.2	585.3	549.7	521.2	501.7
57.5°	1284.9	1276.4	1233.1	1129.2	1012.0	857.1	745.6	677.9	633.8	638.7	648.6
60°	1497.0	1495.3	1487.4	1447.1	1369.0	1251.2	1120.5	970.6	922.9	928.1	931.9
62.5°	1591.8	1594.2	1600.3	1585.2	1564.7	1530.4	1465.2	1404.9	1341.1	1317.2	1253.4
65°	1635.6	1640.0	1653.7	1662.2	1670.2	1676.2	1701.9	1772.6	1819.2	1732.1	1529.3
67.5°	1544.9	1566.0	1611.2	1655.4	1694.8	1751.0	1838.1	2002.3	2116.5	2009.4	1715.4
70°	1126.2	1155.0	1206.8	1343.2	1489.0	1616.4	1785.2	2035.1	2207.5	2124.8	1761.4
72.5°	706.1	714.1	737.1	787.3	895.5	1059.1	1354.2	1729.1	1928.0	1862.0	1488.8
75°	448.0	450.8	449.9	461.4	479.8	515.4	632.2	1021.3	1320.8	1217.7	829.7
77.5°	266.9	271.0	272.6	276.2	285.0	297.6	307.2	347.5	553.8	537.6	301.1
80°	223.6	226.9	224.1	223.3	217.8	214.0	218.7	214.0	198.7	191.3	176.2
82.5°	118.4	118.1	117.3	125.2	141.4	154.0	163.6	161.4	146.1	124.4	105.5
85°	64.9	67.1	67.1	69.9	67.4	67.7	69.9	73.7	68.2	57.0	46.6
87.5°	5.5	8.5	6.9	8.5	11.5	8.2	7.9	7.9	6.9	4.9	4.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2
2.5°	520.6	520.1	519.0	518.2	518.2	516.8	516.0	515.4	515.2	514.1	514.1
5°	519.0	517.1	515.2	513.8	513.0	511.6	509.4	508.3	506.9	505.8	505.3
7.5°	515.4	511.9	508.9	506.7	503.9	501.7	499.0	496.5	494.1	493.0	492.4
10°	510.0	505.3	500.6	496.5	492.7	488.9	485.3	481.7	478.7	476.5	474.3
12.5°	504.7	497.6	491.6	485.6	479.5	474.9	469.9	464.7	460.4	456.2	455.1
15°	497.6	489.4	481.7	474.3	466.9	459.3	453.2	447.5	440.4	435.7	432.1
17.5°	491.0	481.2	471.9	463.1	454.1	446.1	437.1	429.4	422.3	415.1	409.9
20°	483.9	473.2	463.4	453.5	443.6	433.5	423.1	413.2	404.5	396.0	387.5
22.5°	477.6	466.7	457.1	446.4	435.4	423.9	411.9	399.5	389.4	378.4	368.6
25°	473.8	461.7	451.9	441.4	429.4	416.8	403.1	388.6	376.2	363.6	351.8
27.5°	473.8	458.2	448.0	437.6	425.3	411.9	396.8	380.9	366.9	352.9	338.4
30°	477.9	458.7	445.0	434.0	421.4	406.9	390.2	373.5	358.1	341.7	327.7
32.5°	481.7	459.8	442.8	428.8	414.3	400.1	383.1	365.3	348.3	332.7	317.9
35°	484.2	459.8	438.7	420.9	404.5	390.5	373.8	356.0	338.7	323.3	309.6
37.5°	484.5	457.6	432.1	411.9	394.6	380.1	364.2	347.5	331.0	316.8	305.3
40°	481.7	453.2	425.6	402.3	384.2	369.4	354.9	339.8	325.0	313.2	303.3
42.5°	476.8	448.6	419.3	394.6	375.7	360.3	346.9	334.0	321.2	311.0	302.8
45°	469.4	442.3	413.5	389.9	371.3	355.1	342.0	331.3	320.3	311.8	303.6
47.5°	462.8	440.1	415.4	392.9	373.5	356.8	343.3	334.3	325.8	320.1	308.8
50°	461.4	439.0	416.2	395.4	375.7	358.7	346.9	342.3	339.8	336.2	319.0
52.5°	457.6	438.7	422.3	410.8	398.2	390.2	377.9	382.3	379.5	366.9	335.7
55°	497.9	503.4	518.7	540.6	560.9	565.6	564.2	559.0	531.3	457.1	376.0
57.5°	684.5	715.5	744.5	757.4	755.7	741.2	730.8	709.7	669.7	579.3	455.4
60°	943.7	948.7	933.3	910.6	872.2	840.1	805.9	766.4	708.3	619.8	504.2
62.5°	1182.4	1116.1	1047.9	983.7	925.4	874.4	826.7	771.6	696.0	603.7	497.9
65°	1350.9	1210.6	1102.9	1010.9	928.4	857.1	797.7	726.2	640.9	557.6	461.4
67.5°	1437.8	1222.7	1057.4	929.2	812.2	713.5	634.4	564.8	501.5	465.0	403.9
70°	1340.8	1037.7	807.5	662.6	522.6	419.0	331.0	277.9	259.5	294.0	305.8
72.5°	999.1	675.5	480.4	371.6	284.7	226.9	174.0	136.7	111.3	116.7	151.5
75°	472.4	291.6	206.1	156.7	124.7	103.3	84.4	77.3	64.7	53.7	50.4
77.5°	183.9	134.0	110.7	81.1	57.5	46.3	39.5	38.1	38.9	37.8	37.3
80°	140.0	94.8	59.5	43.6	37.5	33.2	29.3	28.2	28.8	30.1	31.5
82.5°	78.1	48.8	36.2	31.5	28.2	24.1	21.9	20.3	20.6	22.2	25.2
85°	30.1	23.6	21.6	20.8	19.5	15.6	13.4	13.7	15.6	18.6	18.6
87.5°	3.3	3.3	4.4	3.3	3.3	3.3	3.0	3.6	3.8	4.9	5.8
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2	518.2
2.5°	513.5	513.5	513.5	513.0	513.2	512.1	512.1	511.3	512.7	511.9	511.6
5°	505.6	505.3	504.2	504.2	504.2	504.2	505.0	502.8	504.5	504.5	503.6
7.5°	492.1	492.1	489.1	490.8	490.2	491.0	492.1	491.0	492.7	493.8	493.0
10°	473.5	473.5	471.0	473.0	472.1	474.1	476.0	474.9	476.0	477.6	478.2
12.5°	453.0	451.9	449.7	450.5	450.5	451.6	452.4	453.8	455.1	457.3	458.4
15°	429.1	427.5	424.7	424.7	423.1	423.6	425.3	425.8	428.6	431.6	435.1
17.5°	404.7	400.6	397.6	394.0	391.3	393.5	395.4	396.8	399.0	403.6	406.1
20°	381.7	373.5	367.7	363.1	360.1	361.4	363.9	365.5	367.5	368.6	369.4
22.5°	359.0	349.6	341.7	335.9	331.0	332.4	331.3	330.5	331.8	328.3	328.0
25°	339.2	328.3	317.6	310.7	304.7	302.8	297.0	295.7	291.8	288.8	286.6
27.5°	325.0	310.7	299.0	291.0	281.4	274.3	266.9	259.5	255.4	250.5	248.0
30°	313.8	298.7	284.7	271.3	258.7	247.7	237.8	228.3	221.7	214.6	209.9
32.5°	303.3	289.4	272.4	254.0	237.0	224.7	211.8	200.9	190.4	181.1	174.3
35°	296.2	280.6	258.9	236.5	217.3	202.8	189.1	173.5	160.8	148.8	141.4
37.5°	292.4	273.2	246.6	221.7	200.3	183.9	166.9	148.8	133.4	122.2	111.0
40°	289.4	265.8	235.7	208.5	186.1	166.3	146.6	125.2	108.2	96.5	87.7
42.5°	286.1	257.6	226.1	198.1	173.2	150.2	126.3	103.6	87.4	79.2	75.4
45°	282.5	250.5	217.0	188.3	160.6	132.6	105.2	84.1	74.5	71.8	71.8
47.5°	281.7	245.8	210.4	178.7	146.3	112.3	85.8	72.6	69.9	70.4	71.5
50°	285.0	244.4	204.7	167.4	127.4	91.0	72.6	68.2	68.8	70.4	72.1
52.5°	292.9	245.5	198.7	151.8	104.9	75.1	67.1	66.9	68.5	71.0	72.6
55°	306.4	245.5	187.2	128.5	83.9	67.4	65.2	66.3	68.5	70.7	72.1
57.5°	335.1	243.1	166.9	102.8	70.1	64.7	64.7	66.0	68.0	70.1	71.2
60°	369.4	239.8	138.4	79.5	63.3	62.5	64.4	66.0	67.7	69.6	70.7
62.5°	371.6	231.3	109.6	65.8	59.7	61.1	64.1	66.3	66.9	68.2	69.6
65°	341.4	201.7	87.1	58.9	58.1	60.3	63.3	64.9	65.2	65.8	67.1
67.5°	299.0	164.4	70.4	55.6	56.4	58.9	60.6	61.9	62.8	64.1	64.4
70°	245.5	132.1	60.3	52.3	53.2	55.9	57.3	58.6	60.3	61.9	61.1
72.5°	174.0	102.8	52.9	48.8	49.9	52.3	54.0	55.1	56.4	58.1	57.0
75°	74.0	71.8	45.8	44.1	45.8	47.4	49.0	50.7	52.1	52.9	52.9
77.5°	37.8	42.2	39.5	39.5	40.6	42.2	43.6	45.2	46.0	46.9	48.0
80°	32.1	32.6	33.2	34.3	35.3	37.0	38.4	39.7	40.0	40.3	40.8
82.5°	26.6	27.7	28.2	29.9	30.7	31.2	32.1	32.1	32.6	32.6	31.8
85°	19.2	20.6	21.4	21.6	21.4	21.6	21.9	22.5	23.8	23.8	22.7
87.5°	5.5	5.2	6.6	6.9	7.4	8.5	9.6	11.5	12.1	12.6	12.6
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°	518.2	518.2	518.2	518.2
2.5°	511.3	511.9	510.8	511.0
5°	503.6	504.7	503.4	505.0
7.5°	493.8	495.4	495.2	494.9
10°	479.5	481.7	481.7	482.5
12.5°	461.4	462.8	463.9	464.5
15°	437.1	439.5	440.9	440.9
17.5°	407.7	409.4	410.2	409.1
20°	370.5	369.9	370.2	367.5
22.5°	327.5	328.3	325.8	326.4
25°	285.3	283.9	285.0	283.3
27.5°	244.4	244.7	241.7	243.1
30°	205.5	204.1	200.3	202.2
32.5°	168.0	164.4	160.3	157.8
35°	132.6	127.1	125.2	124.4
37.5°	104.1	98.1	96.2	94.0
40°	82.8	80.6	79.7	80.3
42.5°	74.3	74.3	74.8	75.1
45°	72.1	72.9	73.7	74.0
47.5°	72.3	73.2	74.3	74.5
50°	72.9	73.7	74.5	74.8
52.5°	73.2	73.2	73.7	74.0
55°	72.6	72.3	72.6	72.9
57.5°	71.5	71.0	71.2	72.1
60°	71.0	70.1	70.7	71.2
62.5°	69.6	69.3	69.9	70.1
65°	66.6	66.9	67.7	67.7
67.5°	63.8	64.1	64.4	64.7
70°	60.6	60.8	61.4	61.7
72.5°	56.7	57.8	58.6	59.7
75°	53.7	54.8	56.4	57.5
77.5°	48.5	49.3	51.2	52.6
80°	41.1	40.8	41.1	41.9
82.5°	31.5	31.5	31.2	31.0
85°	22.2	21.9	21.1	21.1
87.5°	12.1	11.8	11.5	11.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)