

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: P180227

Luminaire Tested: **ICS-E02-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180227
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-E02-LED-E1-5XQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228.9 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

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

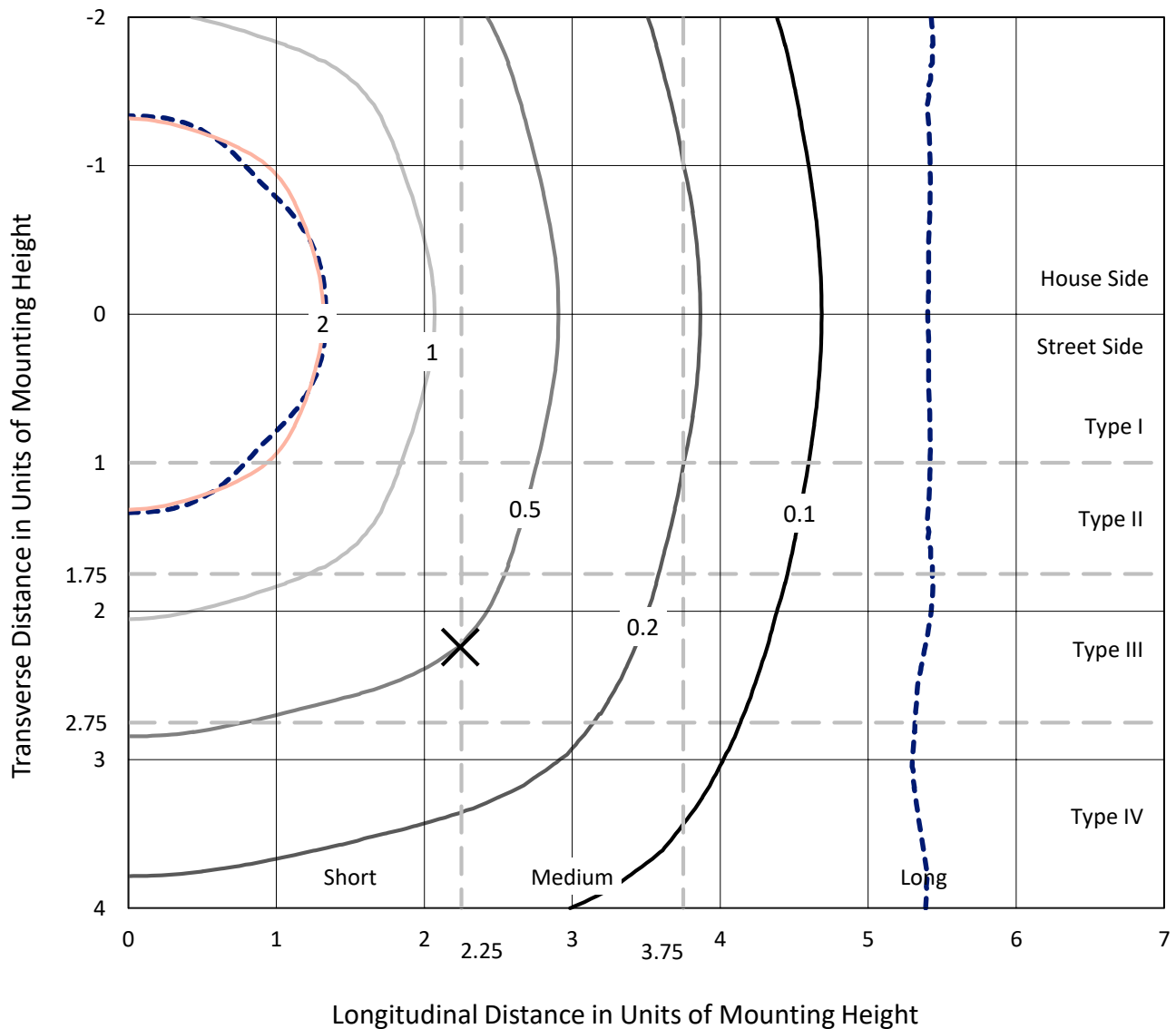


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

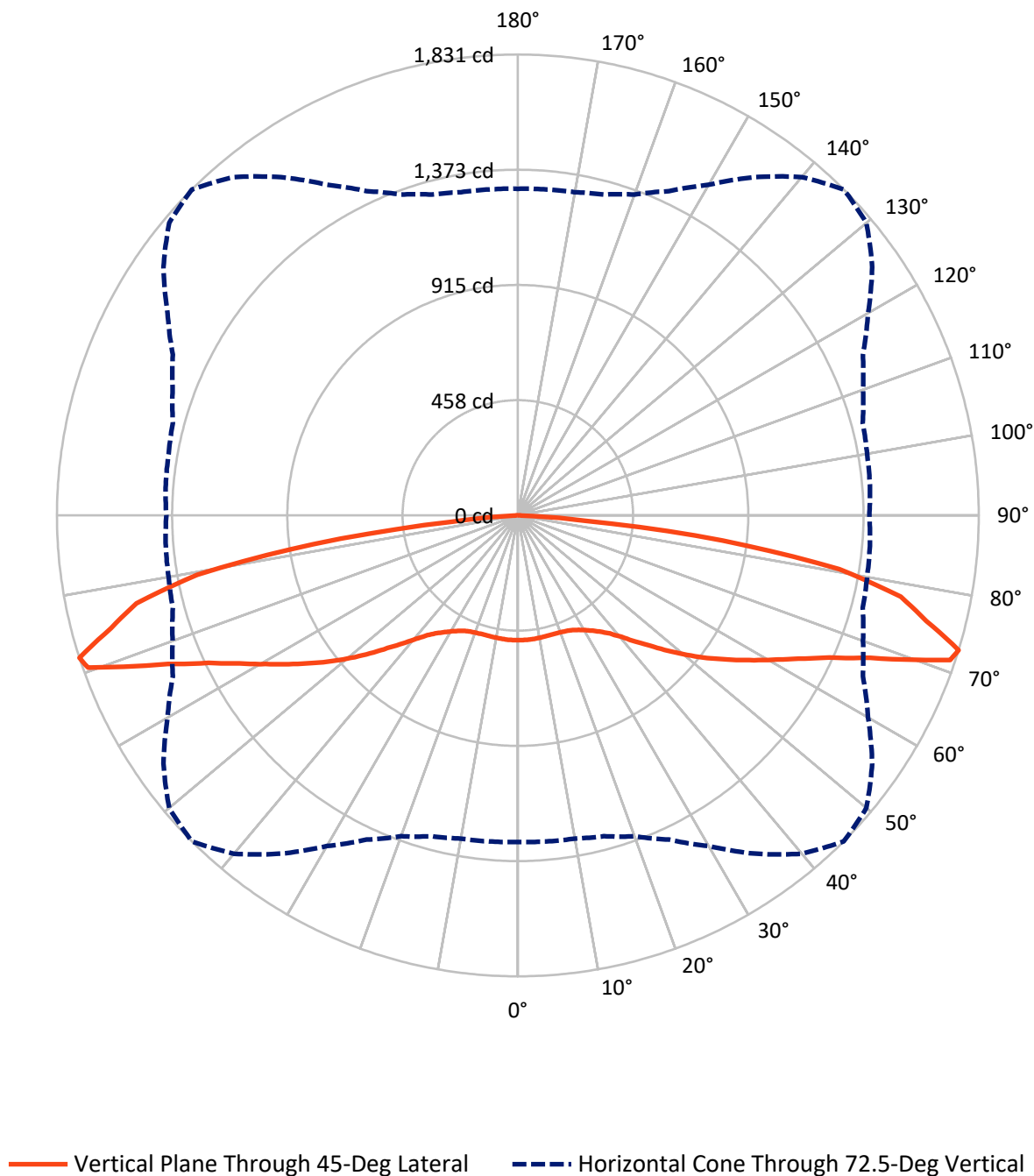


Based on 10 foot mounting height. Maximum calculated value = 5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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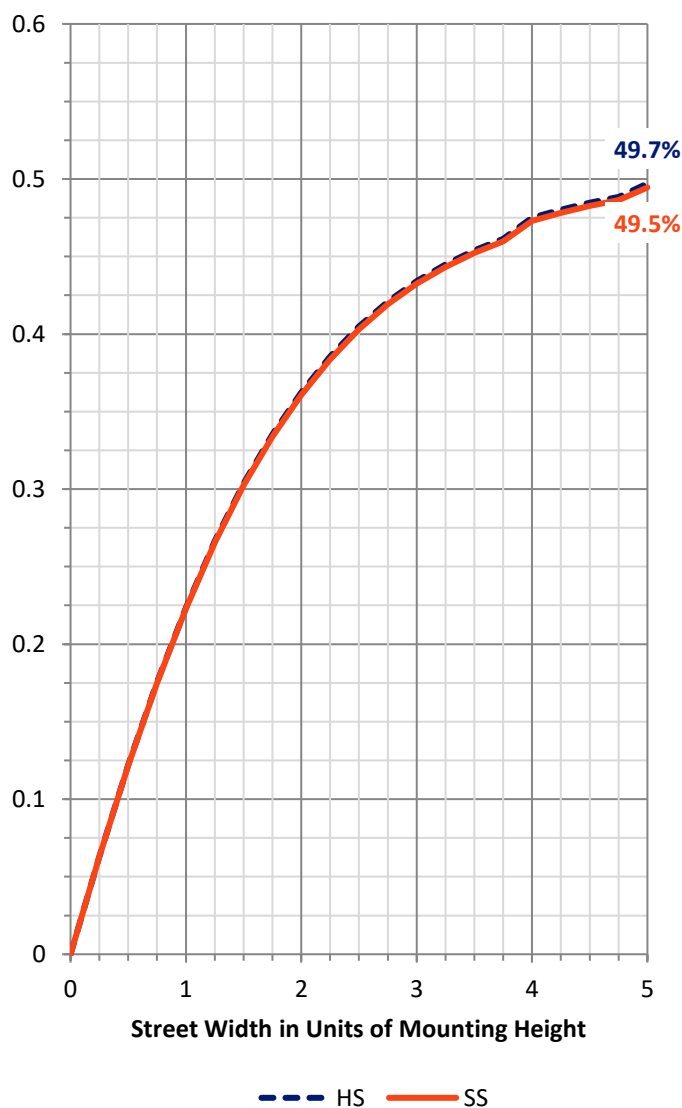
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2614.5	0.0	2614.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2614.5	0.0	2614.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5228.9	0.0	5228.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	0.9
10°-20°	139.7	2.7
20°-30°	233.9	4.5
30°-40°	356.6	6.8
40°-50°	569.3	10.9
50°-60°	875.4	16.7
60°-70°	1274.6	24.4
70°-80°	1435.8	27.5
80°-90°	296.4	5.7
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°	5228.9	100.0
0°-180°	5228.9	100.0

Coefficient of Utilization



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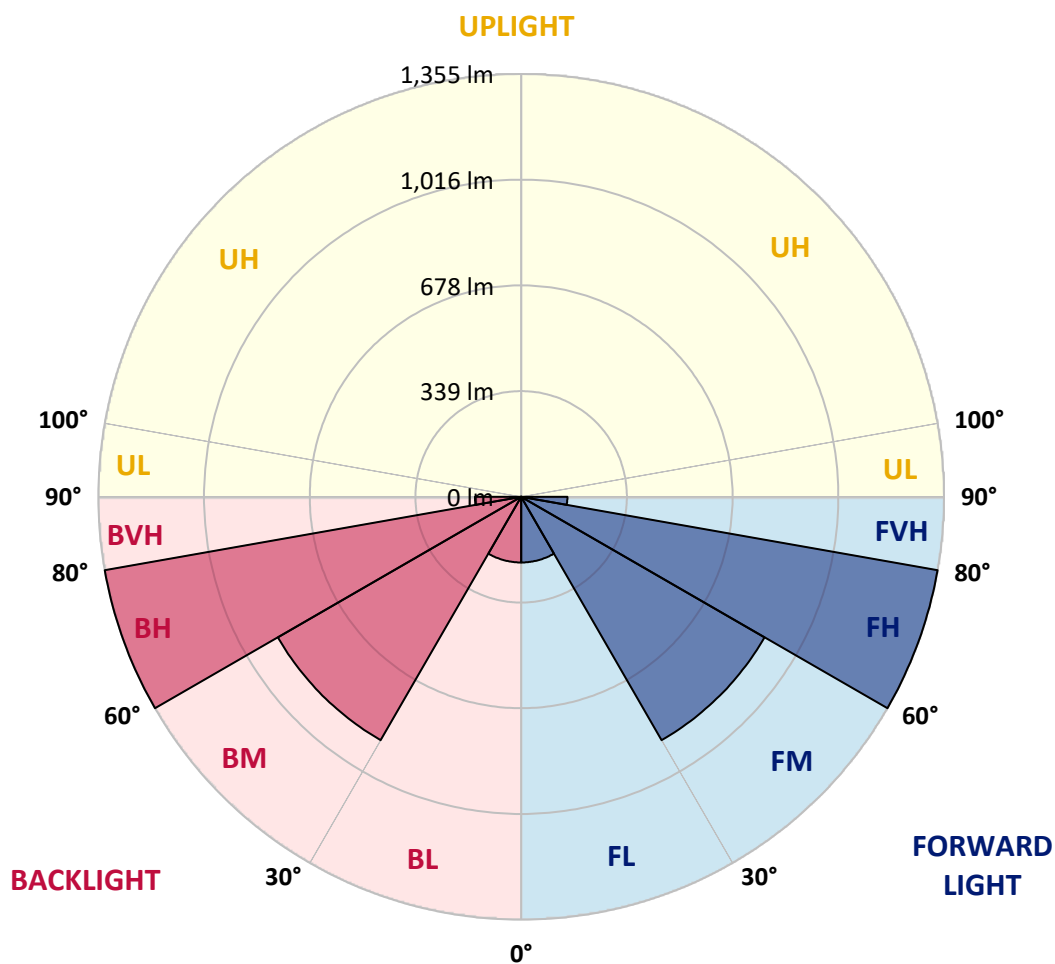
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.4	4.0			
FM	(30°-60°)	900.7	17.2			
FH	(60°-80°)	1355.2	25.9			G1/1800
FVH	(80°-90°)	148.2	2.8			G2/225
BL	(0°-30°)	210.4	4.0	B1/500		
BM	(30°-60°)	900.7	17.2	B1/1000		
BH	(60°-80°)	1355.2	25.9	B3/2500		G1/1800
BVH	(80°-90°)	148.2	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4
2.5°	496.2	496.5	496.4	496.1	496.2	496.1	495.8	495.7	494.7	495.3	496.1
5°	496.2	496.0	495.8	495.7	495.7	496.1	495.7	495.3	495.2	495.4	495.0
7.5°	496.0	495.4	495.2	495.0	495.2	495.3	494.9	494.3	494.7	494.3	493.8
10°	495.2	494.8	494.9	494.4	494.5	494.3	493.8	493.4	493.6	493.2	492.6
12.5°	495.4	494.7	494.6	494.3	494.2	494.0	493.4	492.7	492.8	492.6	491.8
15°	495.4	495.0	494.9	494.3	494.2	494.0	493.1	492.8	492.8	492.4	491.6
17.5°	495.7	495.4	495.4	494.7	494.5	494.4	493.4	493.0	493.4	492.6	492.0
20°	496.6	496.2	496.4	496.0	495.4	495.4	494.8	494.5	494.6	494.5	493.0
22.5°	498.2	498.2	498.4	498.3	498.2	498.3	497.8	497.8	497.9	497.9	496.6
25°	502.8	502.7	503.0	503.0	503.1	504.0	503.6	503.5	504.2	504.2	503.0
27.5°	511.6	511.3	511.6	511.9	512.6	513.8	513.5	513.9	515.0	514.8	513.6
30°	521.8	521.4	522.1	523.0	523.5	525.4	524.6	526.7	527.6	528.4	527.6
32.5°	536.6	536.5	537.8	538.3	539.6	541.4	541.7	543.4	544.6	546.0	545.0
35°	556.2	556.0	556.9	557.9	559.4	561.2	561.9	564.1	566.0	567.0	565.2
37.5°	586.4	584.9	586.6	587.2	588.4	588.9	590.8	593.5	595.6	595.3	594.1
40°	627.2	627.0	626.3	625.5	627.4	628.0	628.0	631.8	635.1	634.5	634.4
42.5°	674.9	673.7	672.8	672.9	674.0	674.2	678.5	681.2	683.6	684.1	683.5
45°	726.2	724.9	725.2	724.7	725.1	726.8	729.3	734.4	738.8	738.9	736.6
47.5°	781.2	777.4	780.4	776.2	778.8	780.1	786.3	793.7	801.4	802.8	800.7
50°	837.1	836.7	836.4	835.6	836.9	839.9	847.4	859.0	866.5	871.4	868.1
52.5°	898.2	896.2	895.2	893.8	895.1	901.0	911.5	921.6	935.0	940.6	936.1
55°	957.7	957.0	953.4	953.3	955.9	965.1	976.6	989.1	1003.5	1009.8	1008.1
57.5°	1018.8	1014.8	1013.8	1012.1	1017.3	1025.9	1040.0	1062.5	1077.4	1084.6	1080.4
60°	1078.6	1075.5	1073.2	1072.6	1076.2	1088.3	1108.6	1135.6	1154.0	1163.4	1156.8
62.5°	1142.6	1140.8	1138.0	1134.9	1142.4	1157.9	1183.1	1213.0	1240.2	1251.7	1241.7
65°	1222.4	1218.4	1215.4	1211.4	1217.6	1237.1	1268.7	1310.8	1347.4	1360.8	1353.7
67.5°	1306.6	1302.8	1303.1	1300.6	1311.6	1338.6	1379.4	1436.6	1485.6	1508.5	1495.0
70°	1380.0	1382.0	1382.6	1392.6	1411.5	1452.6	1520.5	1610.0	1684.4	1719.3	1705.0
71°	1358.3	1362.8	1369.8	1380.2	1412.9	1461.5	1554.2	1662.6	1751.4	1810.6	1790.7
72.5°	1297.0	1299.7	1303.2	1319.1	1356.0	1420.4	1515.9	1639.8	1753.9	1830.5	1807.4
75°	1208.2	1210.8	1212.0	1223.1	1256.7	1312.9	1400.2	1510.1	1610.8	1676.1	1669.6
77.5°	1074.2	1074.6	1084.2	1101.3	1139.0	1203.2	1295.3	1409.3	1504.0	1554.6	1522.4
80°	771.3	766.2	776.0	798.1	844.7	918.4	1012.6	1142.8	1247.9	1295.3	1245.4
82.5°	293.4	309.4	334.4	370.9	386.6	468.6	556.6	633.0	721.5	820.4	795.6
85°	31.5	35.5	44.6	55.2	69.7	96.5	133.3	181.9	224.3	263.6	234.0
87.5°	11.8	12.0	13.4	15.5	15.8	16.4	17.5	20.5	19.0	16.4	13.3
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°
0°	495.4	495.4	495.4	495.4	495.4	495.4	495.4	495.4
2.5°	495.4	495.6	495.4	495.6	495.6	495.0	495.2	494.9
5°	495.3	494.9	495.0	495.2	495.0	495.3	494.9	495.2
7.5°	494.6	493.8	494.0	494.1	493.8	494.2	493.9	493.8
10°	493.2	492.1	492.7	492.4	492.3	492.4	492.4	492.4
12.5°	492.0	491.3	491.4	491.3	491.2	491.6	491.4	491.6
15°	491.8	490.6	490.5	490.2	490.4	490.6	490.6	491.0
17.5°	491.4	490.1	490.0	489.7	489.8	490.4	490.5	490.2
20°	492.3	491.2	490.9	490.6	490.5	491.2	491.1	491.0
22.5°	496.1	494.8	494.6	493.5	493.1	493.5	493.2	493.2
25°	502.3	500.6	500.1	498.6	497.5	497.5	497.1	496.8
27.5°	513.4	510.9	510.4	509.1	507.6	507.9	507.1	507.0
30°	526.3	524.1	522.1	520.3	518.6	517.9	517.0	516.8
32.5°	543.1	540.6	538.3	536.2	533.6	532.7	531.0	530.2
35°	563.8	560.5	557.8	556.2	553.8	552.6	551.5	552.7
37.5°	592.7	588.7	587.3	585.6	584.0	582.0	582.4	582.0
40°	632.7	629.1	627.8	624.6	624.2	622.0	623.4	622.0
42.5°	682.2	675.6	674.6	672.2	671.4	670.1	670.7	669.7
45°	736.0	730.1	729.0	725.0	725.2	722.3	723.4	723.4
47.5°	796.6	790.4	785.3	782.4	781.4	779.6	780.6	780.4
50°	859.0	850.7	845.1	839.5	837.0	837.6	835.8	839.0
52.5°	926.2	913.7	905.8	900.4	895.8	896.7	897.0	898.0
55°	995.7	979.8	968.2	961.2	957.0	957.3	958.5	959.6
57.5°	1065.5	1045.6	1030.1	1019.6	1016.9	1018.2	1018.1	1018.0
60°	1138.0	1114.2	1094.0	1082.3	1079.8	1079.1	1084.4	1082.6
62.5°	1215.8	1187.2	1166.4	1151.3	1147.7	1150.2	1155.0	1153.9
65°	1319.0	1279.4	1252.6	1237.6	1231.6	1234.1	1240.5	1240.2
67.5°	1452.1	1396.6	1361.2	1342.0	1337.6	1340.6	1344.2	1347.6
70°	1651.0	1571.9	1521.2	1479.7	1461.9	1458.4	1462.0	1462.2
71°	1721.0	1630.1	1549.4	1498.8	1469.6	1457.2	1458.2	1452.1
72.5°	1718.1	1606.2	1511.8	1458.8	1418.2	1408.4	1403.5	1396.1
75°	1602.3	1501.5	1419.6	1361.8	1322.7	1311.0	1302.6	1302.2
77.5°	1453.1	1378.8	1288.4	1227.2	1179.6	1160.4	1151.7	1151.4
80°	1168.1	1056.8	990.7	953.8	896.4	879.9	862.4	855.8
82.5°	706.4	552.0	448.8	398.8	371.2	305.6	274.3	259.5
85°	164.6	116.9	80.6	52.9	38.1	30.3	23.3	20.6
87.5°	11.1	8.8	7.8	6.3	4.8	4.6	2.9	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)