

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: McGRAW-EDISON

Report Number: P92770

Luminaire Tested: **LRC-B32-3-LED-E1-MST**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P92770
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (LM-63-2002)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: LRC-B32-3-LED-E1-MST
Description: LRC CANOPY LUMINAIRE
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3448.1 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.9' x L: 0.9' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

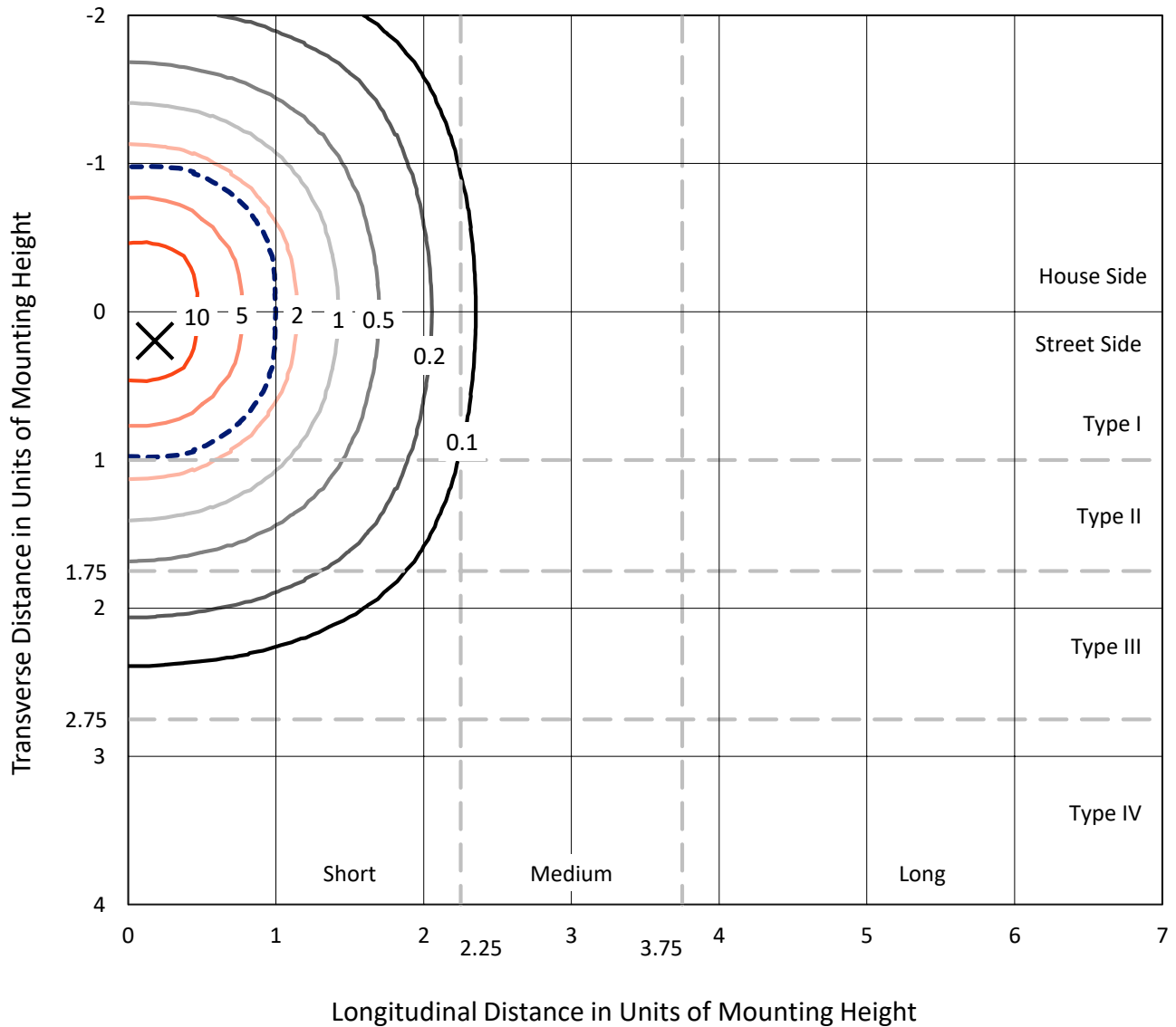
Input Watts (W): 35.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

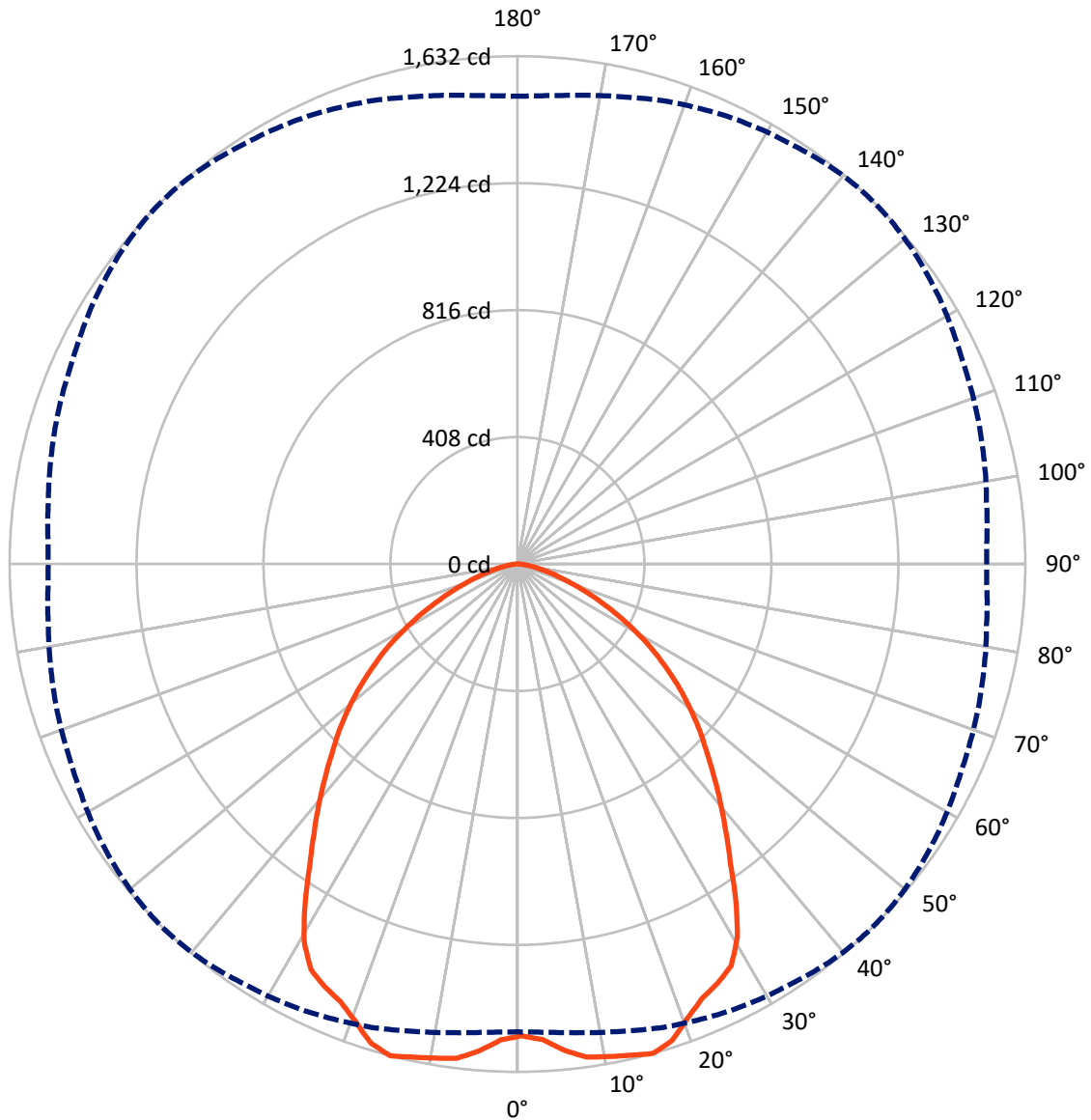
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 42.5-Deg Lateral - - - Horizontal Cone Through 15-Deg Vertical

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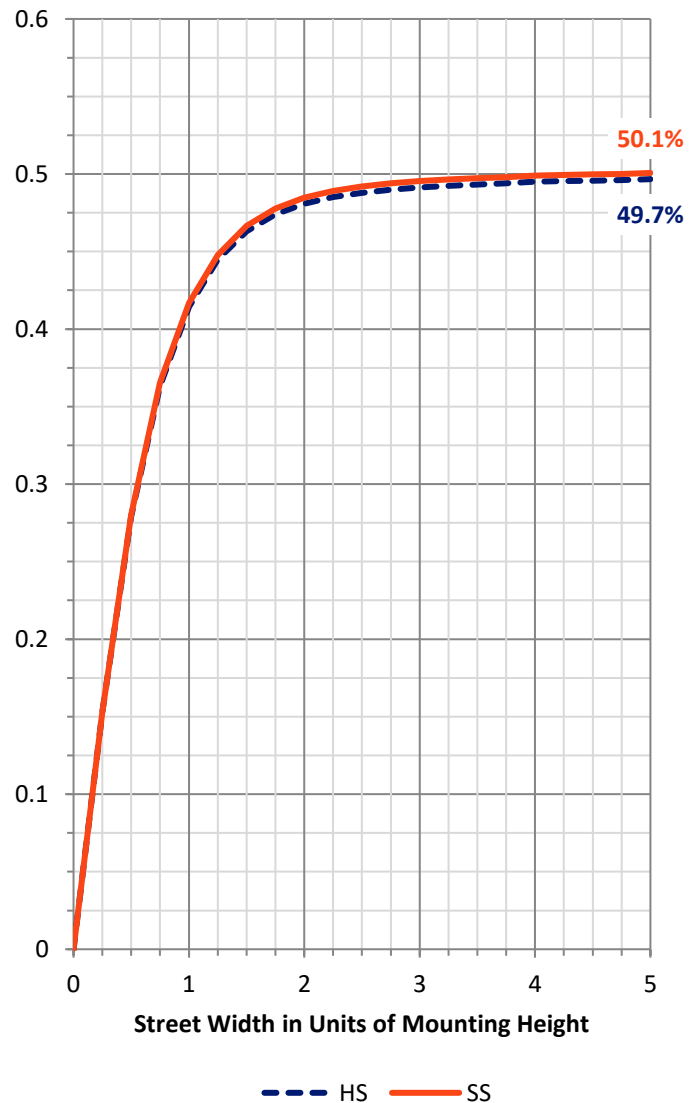
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.0	0.0	1724.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1724.0	0.0	1724.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3448.1	0.0	3448.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.9	4.3
10°-20°	442.5	12.8
20°-30°	654.5	19.0
30°-40°	711.6	20.6
40°-50°	640.6	18.6
50°-60°	482.8	14.0
60°-70°	254.5	7.4
70°-80°	93.7	2.7
80°-90°	18.1	0.5
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°	3448.1	100.0
0°-180°	3448.1	100.0

Coefficient of Utilization



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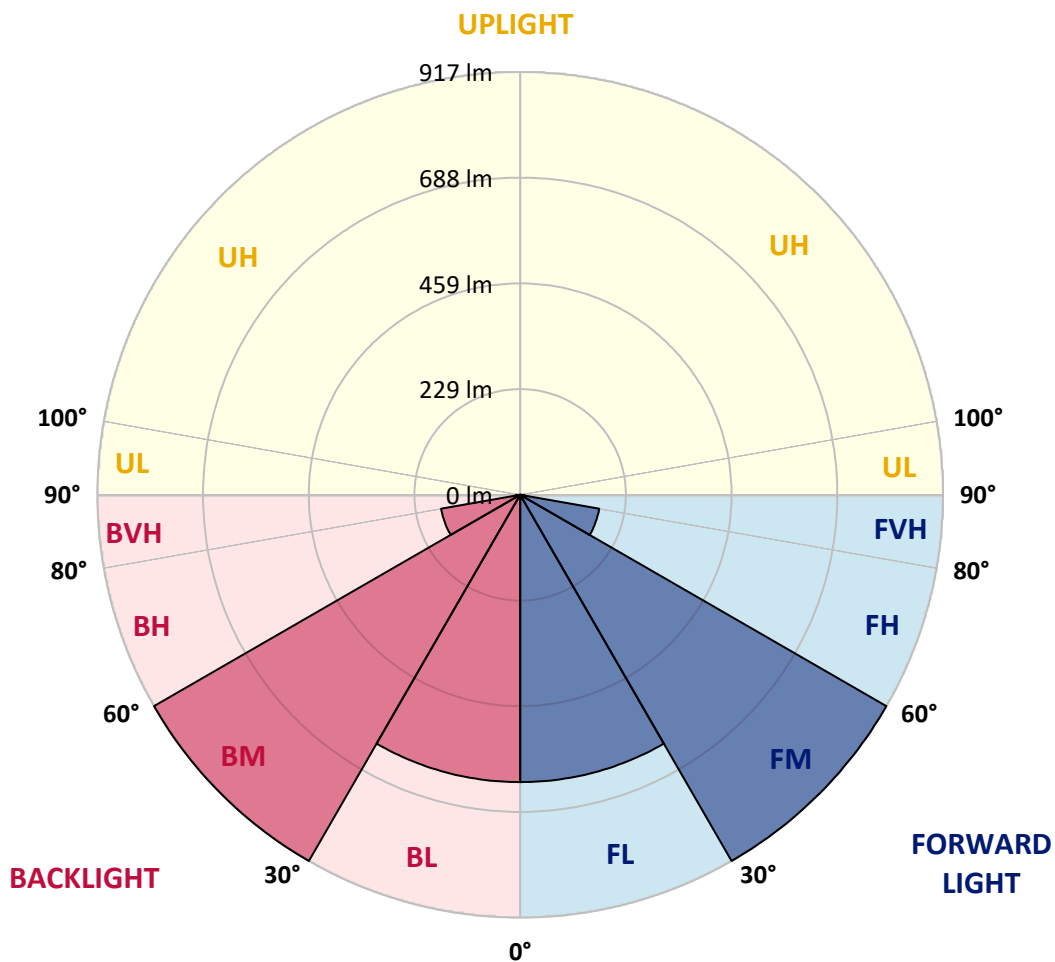
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.4	18.1			
FM	(30°-60°)	917.5	26.6			
FH	(60°-80°)	174.1	5.0			G0/660
FVH	(80°-90°)	9.1	0.3			G0/10
BL	(0°-30°)	623.4	18.1	B2/1000		
BM	(30°-60°)	917.5	26.6	B1/1000		
BH	(60°-80°)	174.1	5.0	B1/500		G0/660
BVH	(80°-90°)	9.1	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°	20°	22.5°	25°
0°	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4
2.5°	1524.5	1526.1	1527.3	1526.5	1525.7	1526.1	1526.1	1525.3	1526.1	1526.1	1526.1
5°	1547.2	1548.4	1550.0	1549.6	1550.8	1551.6	1552.9	1552.9	1554.5	1556.5	1558.1
7.5°	1550.4	1550.8	1552.5	1553.7	1554.9	1556.9	1560.6	1563.4	1565.8	1570.3	1575.1
10°	1553.7	1554.1	1555.7	1558.9	1563.4	1567.9	1572.7	1577.2	1581.2	1586.1	1591.4
12.5°	1542.3	1543.1	1544.3	1551.2	1558.1	1567.0	1575.1	1584.5	1591.4	1599.5	1605.9
15°	1503.4	1505.9	1511.5	1519.6	1528.9	1538.3	1549.6	1561.4	1570.3	1579.6	1588.9
17.5°	1474.2	1476.7	1483.6	1493.3	1502.2	1515.2	1525.3	1533.8	1541.9	1550.4	1558.5
20°	1442.6	1445.1	1451.5	1463.7	1475.9	1489.6	1501.4	1509.1	1517.6	1526.5	1534.6
22.5°	1393.6	1397.2	1405.4	1416.7	1430.9	1445.5	1458.4	1468.2	1479.1	1490.9	1501.0
25°	1331.6	1335.7	1343.8	1357.5	1370.9	1383.5	1396.4	1408.6	1421.6	1434.9	1447.9
27.5°	1270.8	1276.9	1284.6	1297.2	1309.7	1320.7	1332.0	1345.0	1358.3	1370.5	1377.8
30°	1208.4	1212.1	1221.8	1234.3	1246.1	1258.3	1271.2	1283.0	1291.9	1300.0	1302.8
32.5°	1142.8	1145.6	1153.7	1165.5	1177.2	1190.2	1203.1	1212.9	1219.4	1222.6	1224.6
35°	1074.3	1077.9	1083.6	1092.1	1105.5	1118.4	1129.0	1138.3	1143.2	1145.6	1150.1
37.5°	1003.0	1006.2	1010.7	1020.0	1032.5	1044.3	1055.2	1060.1	1062.9	1068.6	1076.3
40°	929.6	932.0	937.3	944.6	955.9	966.1	974.2	979.5	987.2	993.6	1001.3
42.5°	860.7	861.1	863.1	869.6	880.2	887.1	893.5	899.2	906.9	914.2	920.3
45°	784.1	788.2	789.8	793.9	800.3	806.8	812.9	820.6	827.9	834.4	839.6
47.5°	714.0	716.0	716.5	722.1	726.2	730.6	737.9	744.4	751.3	758.2	759.8
50°	646.8	644.7	646.3	650.0	653.2	656.5	665.4	670.3	676.3	680.4	684.4
52.5°	575.8	573.8	573.4	579.1	581.9	586.4	591.2	597.3	603.8	607.9	612.3
55°	499.7	499.2	499.2	502.9	506.1	511.0	517.1	521.9	528.4	533.3	538.6
57.5°	424.3	424.3	425.5	425.9	430.4	434.4	437.7	444.9	451.8	458.3	464.0
60°	350.9	351.7	349.3	353.0	355.8	359.0	363.1	369.2	375.7	382.1	389.8
62.5°	279.6	281.2	281.6	280.8	286.1	288.5	293.0	297.4	303.5	310.8	316.9
65°	217.2	218.4	220.9	218.8	222.9	226.1	231.0	236.3	241.9	248.4	253.7
67.5°	169.4	170.6	171.4	171.0	175.1	176.3	179.9	184.4	189.2	194.5	200.2
70°	132.1	133.3	133.3	133.7	136.2	137.0	139.8	143.0	146.3	150.7	154.8
72.5°	102.1	103.3	103.7	105.0	105.8	106.2	107.8	110.2	112.2	114.7	117.5
75°	77.4	78.2	78.6	78.6	79.8	80.6	81.9	83.5	84.3	86.3	87.9
77.5°	56.7	57.5	57.9	58.4	58.8	58.8	59.6	60.8	61.6	62.8	63.6
80°	39.7	39.7	40.1	40.5	40.9	40.9	42.1	42.1	42.5	43.4	43.8
82.5°	25.1	25.1	25.5	25.5	25.9	25.9	26.7	26.3	26.7	27.2	27.2
85°	13.4	13.4	13.8	13.8	14.2	13.8	14.2	13.8	13.8	13.8	13.8
87.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
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):

	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°	47.5°	50°	52.5°
0°	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4
2.5°	1526.5	1526.1	1527.3	1527.7	1527.7	1527.7	1530.2	1530.6	1531.4	1531.8	1532.6
5°	1559.7	1561.4	1563.0	1565.4	1565.8	1567.0	1569.9	1570.3	1571.5	1572.3	1572.3
7.5°	1578.4	1583.3	1586.1	1591.0	1593.4	1596.2	1600.3	1602.3	1603.5	1604.3	1603.5
10°	1595.4	1600.7	1603.5	1605.9	1608.0	1609.6	1610.0	1610.0	1609.2	1609.2	1607.6
12.5°	1609.6	1613.2	1614.9	1615.7	1617.7	1619.7	1620.1	1621.3	1621.3	1620.5	1618.9
15°	1596.2	1603.5	1609.2	1616.5	1623.8	1629.0	1632.3	1632.3	1630.3	1625.8	1619.7
17.5°	1567.9	1578.4	1585.7	1594.6	1603.9	1608.4	1610.0	1610.0	1606.8	1601.5	1591.8
20°	1543.1	1552.5	1557.7	1561.4	1563.8	1562.6	1559.3	1557.3	1556.5	1556.5	1554.9
22.5°	1512.3	1519.2	1522.5	1522.1	1520.4	1517.2	1517.2	1520.4	1523.7	1525.7	1528.1
25°	1458.4	1465.3	1467.8	1471.8	1477.5	1485.6	1493.3	1500.2	1504.6	1503.0	1499.8
27.5°	1383.5	1389.5	1396.8	1413.5	1431.7	1449.5	1462.5	1471.4	1472.6	1463.7	1449.5
30°	1306.1	1315.0	1326.7	1347.0	1367.7	1381.0	1392.8	1392.4	1390.8	1381.8	1367.7
32.5°	1231.5	1244.1	1258.7	1273.7	1283.8	1288.2	1288.6	1278.9	1276.9	1272.8	1266.0
35°	1160.2	1171.1	1181.3	1185.3	1186.9	1182.5	1178.0	1176.4	1171.1	1170.7	1168.3
37.5°	1085.6	1090.5	1092.5	1091.7	1090.1	1085.2	1086.8	1086.8	1082.4	1081.2	1081.6
40°	1007.0	1006.6	1003.8	1001.3	999.3	1001.3	1003.4	999.7	1001.3	1000.5	1000.1
42.5°	922.3	920.7	918.7	918.3	919.1	919.5	923.5	926.8	923.5	924.7	924.7
45°	840.5	839.6	840.9	842.9	845.3	845.3	849.0	850.6	850.6	852.6	851.8
47.5°	763.1	766.3	768.3	772.0	774.8	776.0	782.1	784.9	784.5	784.1	782.1
50°	690.5	694.6	696.6	701.9	704.7	707.5	712.4	714.8	712.8	712.4	711.2
52.5°	618.0	622.0	628.5	632.2	635.4	638.6	643.5	647.2	645.5	645.5	642.7
55°	545.9	552.3	557.6	561.7	564.5	569.4	571.8	575.0	576.6	576.2	574.2
57.5°	472.1	478.2	483.8	489.9	495.2	502.1	504.9	506.1	506.5	507.8	504.1
60°	397.1	404.4	411.3	417.4	421.8	429.5	431.6	437.7	436.8	434.4	429.1
62.5°	324.2	330.7	337.6	344.9	353.0	357.0	361.9	365.5	365.1	362.3	357.4
65°	261.0	266.2	272.7	278.4	285.7	290.6	295.4	296.6	295.4	292.6	286.5
67.5°	205.9	211.9	216.8	222.1	229.0	232.2	235.0	234.6	234.6	231.4	226.1
70°	159.7	164.1	169.0	172.6	178.3	179.9	182.4	182.4	181.1	178.7	175.1
72.5°	121.2	124.0	128.9	131.3	134.5	136.6	137.4	137.8	136.2	133.7	130.9
75°	90.0	92.0	94.8	96.0	97.7	99.3	99.7	100.1	98.5	97.3	94.8
77.5°	64.8	66.5	68.1	67.7	68.9	69.7	69.7	69.3	68.9	68.1	66.5
80°	44.6	44.2	45.4	45.0	46.2	46.6	46.6	46.6	46.2	45.4	44.2
82.5°	27.2	27.2	28.0	28.4	28.8	29.2	29.2	29.2	28.8	28.4	27.6
85°	14.2	14.6	15.0	15.4	15.4	15.8	15.8	15.8	15.8	15.4	15.0
87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
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):

	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°	75°	77.5°	80°
0°	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4	1516.4
2.5°	1532.6	1531.0	1530.2	1530.2	1529.4	1528.9	1529.8	1529.4	1530.2	1530.2	1529.8
5°	1572.7	1570.7	1569.1	1569.1	1567.0	1567.0	1567.0	1565.8	1565.0	1565.8	1565.0
7.5°	1601.5	1600.3	1597.4	1595.0	1591.8	1590.1	1587.7	1585.3	1582.4	1580.4	1578.8
10°	1608.0	1607.2	1605.9	1604.3	1601.9	1598.6	1596.2	1592.6	1588.5	1584.9	1582.8
12.5°	1617.3	1615.7	1612.8	1608.8	1605.1	1600.3	1594.2	1586.9	1580.8	1575.6	1571.1
15°	1612.0	1604.3	1594.6	1584.5	1574.3	1566.6	1559.7	1552.5	1544.3	1536.6	1528.9
17.5°	1582.4	1573.1	1562.2	1551.6	1542.3	1533.4	1526.9	1520.8	1514.0	1505.9	1498.2
20°	1553.7	1549.2	1540.3	1532.2	1526.1	1516.4	1507.1	1501.0	1495.7	1490.5	1481.5
22.5°	1529.8	1529.4	1523.7	1515.2	1505.4	1494.1	1481.5	1469.4	1459.2	1450.3	1440.6
25°	1496.9	1489.2	1477.5	1465.7	1454.8	1440.6	1425.2	1409.4	1396.0	1384.7	1373.3
27.5°	1433.3	1414.7	1400.9	1388.7	1376.2	1364.0	1351.1	1338.5	1325.9	1315.0	1304.9
30°	1348.2	1328.4	1315.0	1304.4	1296.3	1289.5	1282.2	1272.0	1261.5	1251.4	1241.6
32.5°	1257.0	1246.1	1233.9	1225.8	1218.9	1214.9	1211.7	1206.0	1196.7	1186.1	1175.2
35°	1167.5	1165.5	1161.4	1156.1	1150.1	1144.4	1140.7	1135.1	1127.0	1114.8	1103.9
37.5°	1083.2	1084.0	1084.8	1081.2	1076.7	1070.6	1065.4	1058.9	1050.0	1038.2	1027.7
40°	1000.5	1003.4	1006.2	1007.4	1004.6	998.1	990.8	982.7	973.0	962.8	952.7
42.5°	923.5	925.2	926.4	928.0	928.0	920.7	913.8	904.1	896.4	889.5	881.0
45°	850.6	849.0	850.6	851.0	849.4	845.3	837.6	829.9	823.8	817.8	811.3
47.5°	780.1	779.3	778.5	777.6	774.8	768.3	764.7	759.0	753.7	749.3	745.6
50°	711.2	710.8	707.9	706.3	702.3	698.6	693.4	688.5	683.6	679.2	675.1
52.5°	643.1	641.5	639.1	634.2	630.1	628.1	622.8	618.0	611.9	607.0	603.8
55°	571.8	571.0	566.9	563.3	558.4	551.1	545.0	541.4	536.1	528.8	524.4
57.5°	498.8	495.6	491.5	487.1	480.6	472.5	466.4	458.7	454.7	449.8	446.2
60°	426.3	420.6	414.1	408.1	401.2	393.5	387.0	380.5	374.4	372.0	368.0
62.5°	350.5	345.3	338.4	330.7	324.2	316.1	310.8	304.3	299.1	294.6	290.6
65°	280.4	274.3	267.9	259.8	252.1	244.0	238.7	231.4	225.3	219.2	215.6
67.5°	219.2	212.7	206.3	197.8	191.3	184.4	179.5	173.0	167.8	163.7	161.3
70°	167.4	161.7	155.6	149.1	144.3	139.0	135.3	131.3	128.5	125.6	124.0
72.5°	125.6	122.0	116.3	111.8	108.2	105.0	102.9	100.5	98.9	96.9	95.6
75°	90.8	88.7	86.3	83.9	81.5	79.0	77.4	76.2	74.6	73.3	73.3
77.5°	65.2	64.0	62.4	60.4	59.2	57.9	56.3	55.9	55.1	54.3	53.9
80°	43.8	43.0	42.1	41.3	40.5	39.7	38.9	38.5	37.7	38.1	37.3
82.5°	27.2	26.3	25.9	25.5	25.1	25.1	24.7	24.3	23.9	24.3	23.9
85°	14.6	14.2	13.8	13.4	13.0	13.0	13.0	13.0	13.0	13.4	13.0
87.5°	5.7	5.7	5.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
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):

	82.5°	85°	87.5°	90°
0°	1516.4	1516.4	1516.4	1516.4
2.5°	1530.6	1530.2	1529.8	1531.0
5°	1564.6	1563.4	1563.0	1563.4
7.5°	1576.8	1573.9	1572.7	1572.3
10°	1579.2	1576.4	1574.7	1575.1
12.5°	1564.2	1558.1	1554.9	1554.5
15°	1520.8	1515.6	1509.9	1507.9
17.5°	1491.3	1484.0	1479.9	1477.9
20°	1473.0	1465.3	1460.9	1459.7
22.5°	1431.7	1422.0	1414.3	1411.0
25°	1363.6	1351.9	1345.8	1343.8
27.5°	1295.5	1286.6	1278.9	1277.7
30°	1232.7	1223.4	1215.3	1211.2
32.5°	1165.0	1154.5	1146.4	1147.2
35°	1091.3	1081.6	1075.5	1077.5
37.5°	1017.1	1008.2	1003.0	1005.4
40°	944.2	937.7	934.5	932.8
42.5°	874.5	870.8	868.4	869.2
45°	806.0	802.8	801.1	803.6
47.5°	742.0	736.3	735.1	737.1
50°	672.3	668.6	668.6	668.6
52.5°	600.2	598.9	599.7	598.9
55°	520.7	518.3	517.9	520.3
57.5°	442.5	442.5	441.7	441.7
60°	364.3	363.9	365.1	364.3
62.5°	285.3	283.3	283.3	282.9
65°	211.1	208.3	208.7	207.9
67.5°	158.4	156.4	155.6	155.2
70°	123.2	120.4	120.4	120.4
72.5°	95.2	94.0	93.2	93.2
75°	72.1	71.7	71.3	70.5
77.5°	53.1	52.7	52.3	51.9
80°	36.9	36.9	36.5	36.5
82.5°	23.5	23.5	23.1	23.1
85°	13.0	12.6	12.6	12.6
87.5°	5.3	5.3	5.3	5.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)