

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: P197697

Luminaire Tested: **TT-C6-LED-E1-MQ-CG-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115363)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C6-LED-E1-MQ-CG-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8035.1 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 108
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



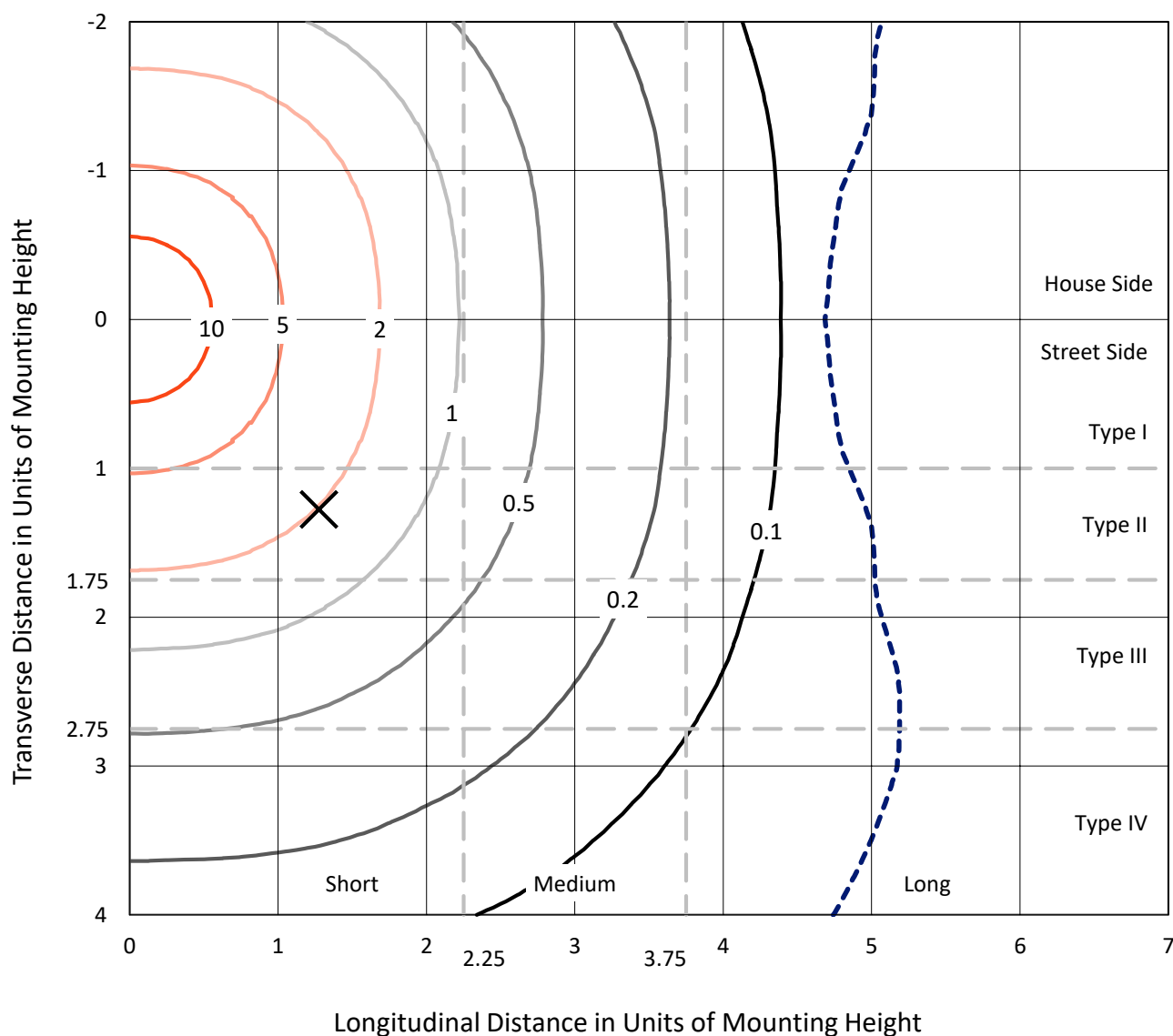
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

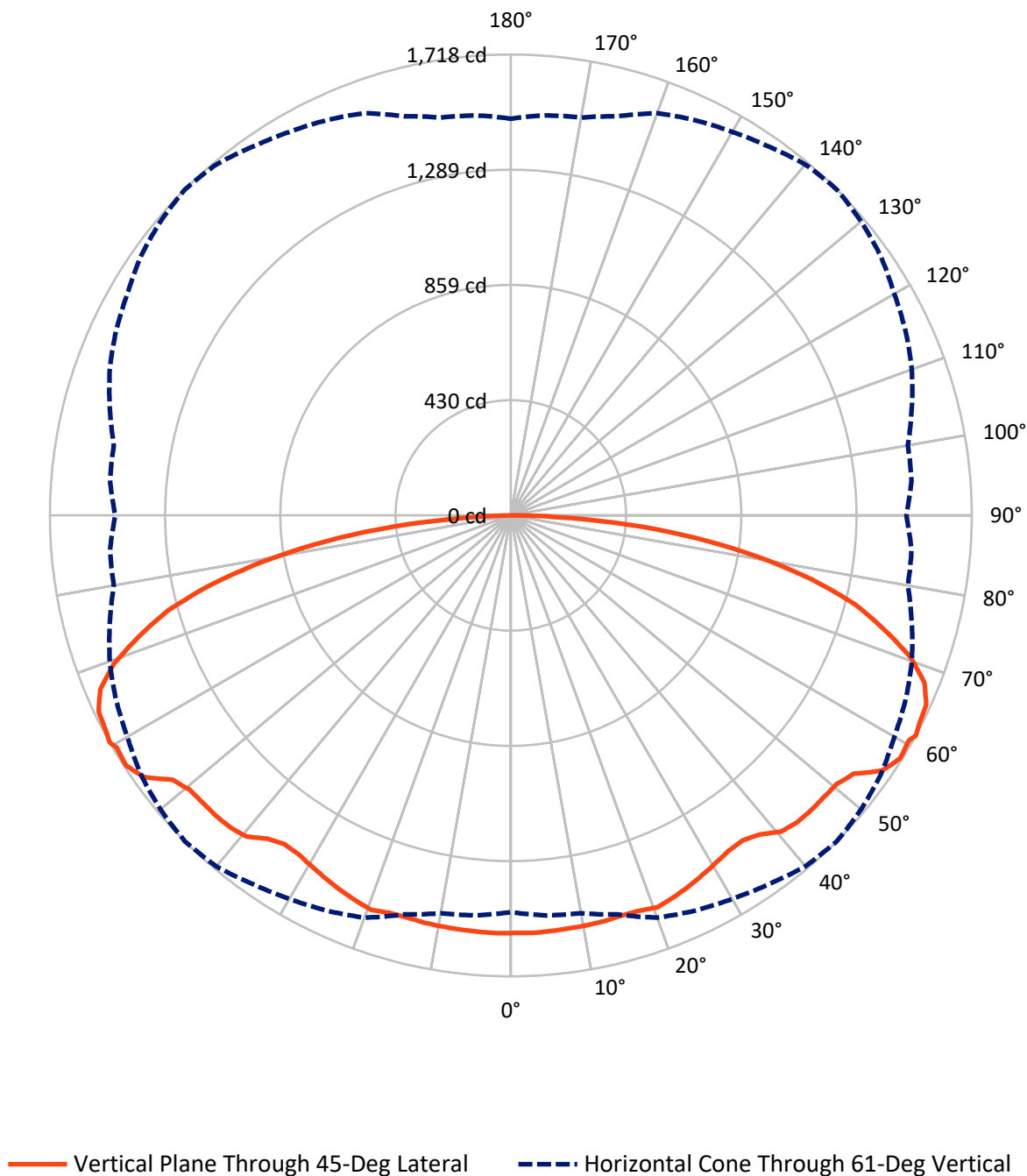


Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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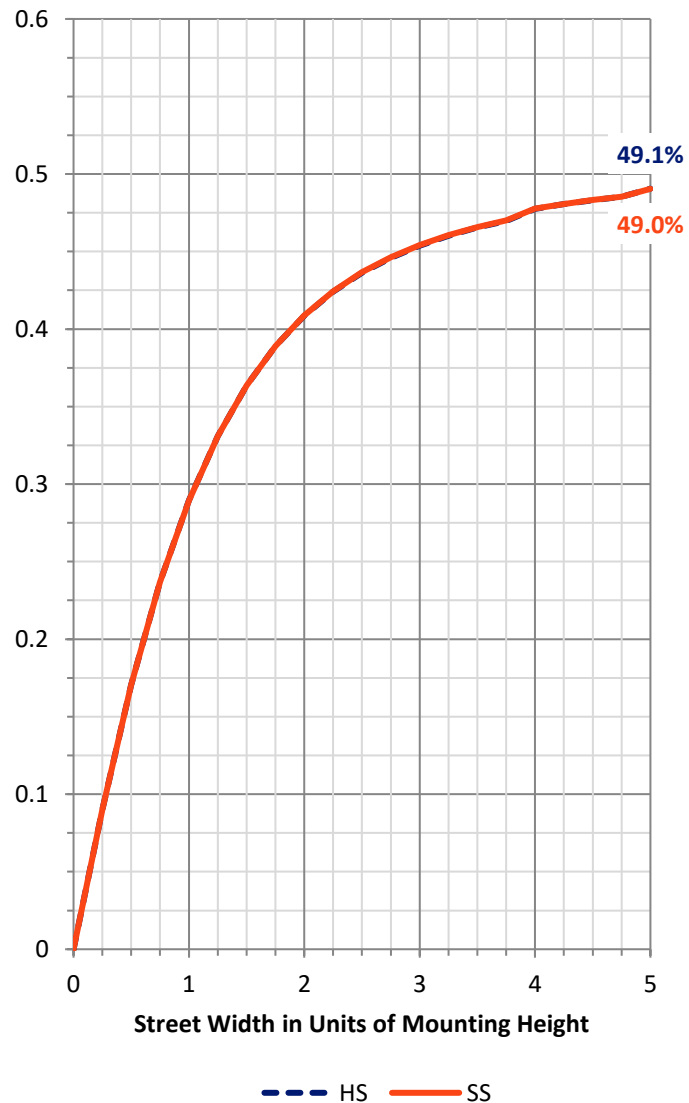
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4017.5	0.0	4017.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4017.5	0.0	4017.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8035.1	0.0	8035.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.5	1.8
10°-20°	439.1	5.5
20°-30°	706.5	8.8
30°-40°	935.9	11.6
40°-50°	1181.8	14.7
50°-60°	1416.1	17.6
60°-70°	1548.4	19.3
70°-80°	1239.5	15.4
80°-90°	419.4	5.2
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°	8035.1	100.0
0°-180°	8035.1	100.0

Coefficient of Utilization



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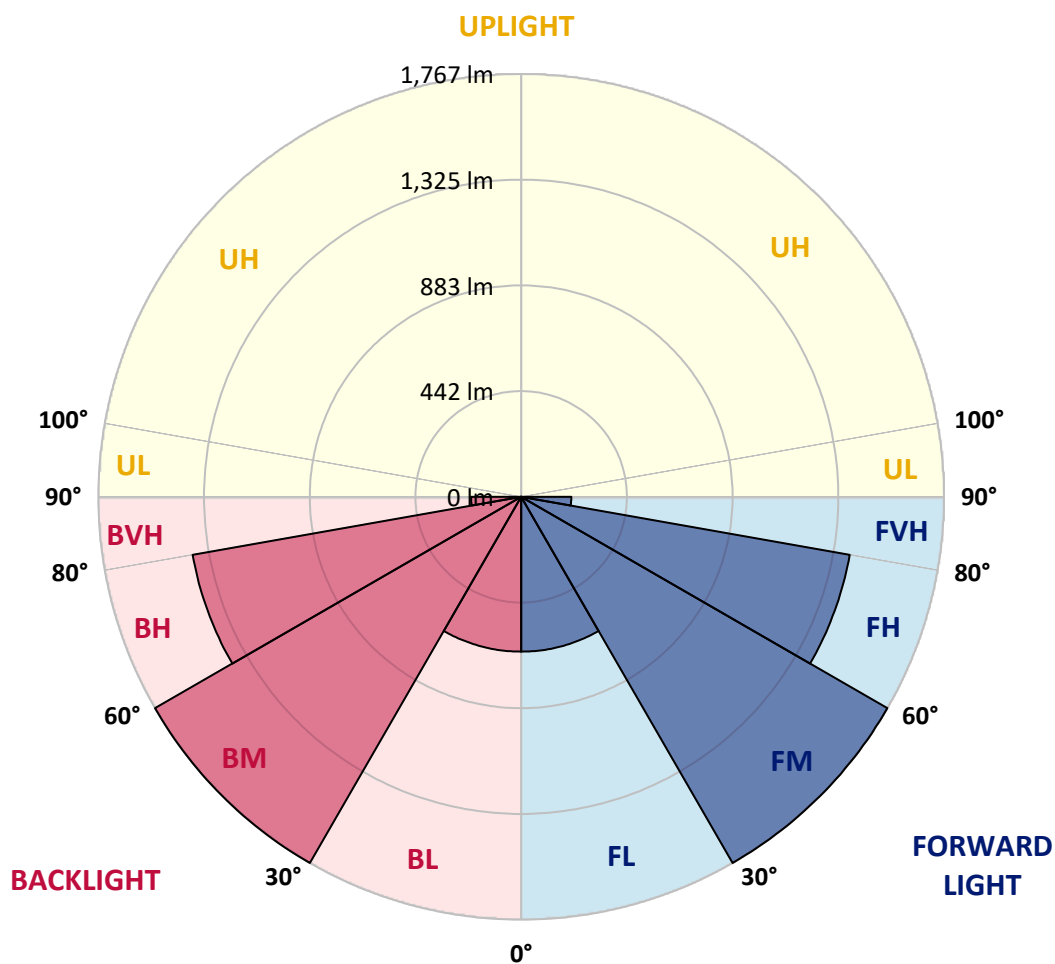
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	647.0	8.1			
FM	(30°-60°)	1766.9	22.0			
FH	(60°-80°)	1394.0	17.3			G1/1800
FVH	(80°-90°)	209.7	2.6			G2/225
BL	(0°-30°)	647.0	8.1	B2/1000		
BM	(30°-60°)	1766.9	22.0	B2/2500		
BH	(60°-80°)	1394.0	17.3	B3/2500		G1/1800
BVH	(80°-90°)	209.7	2.6			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°	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7
2.5°	1558.3	1556.7	1558.3	1558.3	1558.3	1558.3	1558.3	1558.3	1558.3	1558.3	1558.3
5°	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7
7.5°	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1556.7	1555.2	1556.7
10°	1552.2	1552.2	1552.2	1552.2	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8	1553.8
12.5°	1549.3	1549.3	1549.3	1549.3	1550.7	1550.7	1550.7	1550.7	1552.2	1552.2	1550.7
15°	1546.2	1544.8	1544.8	1546.2	1546.2	1547.8	1547.8	1547.8	1549.3	1547.8	1547.8
17.5°	1543.3	1541.7	1543.3	1544.8	1544.8	1546.2	1547.8	1547.8	1549.3	1549.3	1549.3
20°	1547.8	1546.2	1547.8	1549.3	1550.7	1553.8	1555.2	1556.7	1558.3	1559.8	1559.8
22.5°	1538.8	1537.2	1538.8	1538.8	1540.3	1541.7	1544.8	1546.2	1547.8	1547.8	1547.8
25°	1525.3	1525.3	1526.9	1526.9	1528.3	1529.8	1531.4	1532.8	1532.8	1534.3	1532.8
27.5°	1510.3	1510.3	1511.9	1511.9	1514.8	1514.8	1516.4	1517.9	1519.3	1519.3	1519.3
30°	1492.4	1492.4	1493.9	1495.3	1498.4	1499.8	1501.4	1502.9	1504.3	1504.3	1504.3
32.5°	1476.0	1474.5	1476.0	1478.9	1483.4	1486.4	1489.5	1490.8	1490.8	1490.8	1492.4
35°	1462.4	1463.9	1466.9	1470.0	1476.0	1478.9	1481.9	1486.4	1487.9	1487.9	1487.9
37.5°	1465.5	1466.9	1471.5	1477.4	1485.0	1493.9	1499.8	1505.8	1510.3	1508.8	1507.4
40°	1485.0	1487.9	1495.3	1504.3	1516.4	1528.3	1537.2	1544.8	1549.3	1550.7	1549.3
42.5°	1487.9	1490.8	1496.9	1510.3	1523.8	1537.2	1549.3	1556.7	1562.8	1564.3	1562.8
45°	1486.4	1486.4	1495.3	1510.3	1523.8	1537.2	1552.2	1562.8	1568.8	1568.8	1568.8
47.5°	1476.0	1480.5	1486.4	1501.4	1519.3	1532.8	1547.8	1558.3	1565.7	1570.2	1565.7
50°	1476.0	1476.0	1486.4	1496.9	1513.3	1537.2	1558.3	1568.8	1576.2	1574.7	1576.2
52.5°	1472.9	1481.9	1487.9	1502.9	1532.8	1556.7	1573.3	1588.1	1598.6	1600.2	1597.1
55°	1499.8	1501.4	1514.8	1543.3	1571.7	1598.6	1628.7	1651.1	1669.0	1679.5	1664.5
57.5°	1520.9	1513.3	1540.3	1564.3	1597.1	1637.6	1682.5	1700.4	1713.9	1710.9	1715.4
60°	1492.4	1502.9	1522.4	1547.8	1600.2	1640.6	1664.5	1684.0	1700.4	1704.9	1699.0
61°	1478.9	1496.9	1505.8	1540.3	1595.7	1625.6	1651.1	1678.0	1708.0	1718.4	1704.9
62.5°	1456.5	1485.0	1481.9	1537.2	1571.7	1606.2	1654.0	1685.4	1706.5	1709.4	1706.5
65°	1457.9	1453.4	1487.9	1528.3	1562.8	1624.2	1664.5	1684.0	1695.9	1702.0	1699.0
67.5°	1410.1	1395.1	1437.0	1465.5	1523.8	1571.7	1610.7	1639.0	1657.1	1663.0	1655.6
70°	1299.4	1309.7	1339.7	1383.2	1431.0	1489.5	1525.3	1562.8	1577.8	1579.2	1579.2
72.5°	1192.9	1199.0	1229.0	1269.4	1324.7	1375.6	1411.5	1441.5	1455.0	1456.5	1459.4
75°	1052.4	1058.2	1092.7	1130.2	1185.5	1229.0	1254.4	1290.2	1309.7	1326.3	1312.8
77.5°	889.2	899.5	926.6	967.0	1017.9	1041.8	1086.7	1128.6	1142.1	1146.5	1142.1
80°	705.0	718.4	742.4	796.4	818.8	857.8	901.1	919.0	931.1	934.0	935.6
82.5°	507.5	518.0	543.3	580.8	606.3	637.7	667.5	690.1	703.6	700.5	699.1
85°	299.4	302.4	329.3	354.8	374.3	393.6	417.6	434.2	437.1	443.1	441.6
87.5°	89.9	91.2	103.3	116.8	125.7	134.7	149.7	169.2	173.7	161.6	163.2
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°	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7
2.5°	1558.3	1558.3	1558.3	1558.3	1558.3	1558.3	1556.7	1558.3
5°	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7	1556.7
7.5°	1556.7	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2	1555.2
10°	1553.8	1553.8	1553.8	1553.8	1552.2	1552.2	1552.2	1552.2
12.5°	1550.7	1550.7	1550.7	1550.7	1549.3	1549.3	1549.3	1549.3
15°	1547.8	1547.8	1547.8	1547.8	1546.2	1546.2	1546.2	1546.2
17.5°	1549.3	1547.8	1546.2	1546.2	1544.8	1543.3	1543.3	1543.3
20°	1558.3	1556.7	1553.8	1550.7	1549.3	1547.8	1547.8	1547.8
22.5°	1546.2	1544.8	1541.7	1540.3	1540.3	1538.8	1537.2	1537.2
25°	1532.8	1529.8	1529.8	1528.3	1528.3	1525.3	1525.3	1523.8
27.5°	1517.9	1516.4	1514.8	1513.3	1513.3	1511.9	1510.3	1508.8
30°	1504.3	1501.4	1498.4	1496.9	1495.3	1493.9	1493.9	1493.9
32.5°	1490.8	1487.9	1486.4	1481.9	1478.9	1477.4	1476.0	1476.0
35°	1486.4	1481.9	1478.9	1474.5	1470.0	1466.9	1465.5	1462.4
37.5°	1504.3	1498.4	1493.9	1486.4	1476.0	1471.5	1466.9	1465.5
40°	1543.3	1537.2	1528.3	1516.4	1504.3	1495.3	1487.9	1485.0
42.5°	1556.7	1549.3	1537.2	1525.3	1510.3	1496.9	1490.8	1487.9
45°	1561.2	1553.8	1537.2	1522.4	1508.8	1496.9	1487.9	1485.0
47.5°	1556.7	1546.2	1531.4	1519.3	1499.8	1485.0	1478.9	1474.5
50°	1567.3	1558.3	1538.8	1511.9	1495.3	1486.4	1476.0	1474.5
52.5°	1588.1	1571.7	1553.8	1534.3	1502.9	1485.0	1478.9	1471.5
55°	1651.1	1628.7	1597.1	1565.7	1546.2	1517.9	1499.8	1499.8
57.5°	1699.0	1680.9	1640.6	1598.6	1562.8	1541.7	1514.8	1516.4
60°	1685.4	1661.6	1642.1	1600.2	1549.3	1520.9	1510.3	1490.8
61°	1684.0	1651.1	1624.2	1591.2	1547.8	1502.9	1499.8	1474.5
62.5°	1687.0	1657.1	1606.2	1571.7	1538.8	1480.5	1478.9	1455.0
65°	1684.0	1655.6	1630.0	1565.7	1520.9	1496.9	1446.0	1465.5
67.5°	1637.6	1612.1	1565.7	1529.8	1461.0	1431.0	1402.5	1402.5
70°	1564.3	1526.9	1481.9	1437.0	1390.6	1339.7	1314.2	1299.4
72.5°	1441.5	1410.1	1374.1	1326.3	1269.4	1223.0	1199.0	1188.5
75°	1287.3	1253.0	1221.4	1185.5	1125.7	1086.7	1061.3	1053.7
77.5°	1125.7	1095.7	1040.3	1006.0	965.4	920.6	898.2	889.2
80°	919.0	902.6	863.7	808.3	788.8	733.4	718.4	705.0
82.5°	690.1	672.0	636.1	597.3	573.4	541.8	514.9	512.0
85°	434.2	422.1	399.7	371.2	341.4	323.2	299.4	305.3
87.5°	161.6	154.2	140.8	122.8	109.2	97.3	85.4	89.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)