

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: P197765

Luminaire Tested: **TT-C5-LED-E1-WQ-MS/DIM-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C5-LED-E1-WQ-MS/DIM-8030
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (160) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6541.9 lumens
Efficiency: N/A
Efficacy: 85.0 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): 77
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



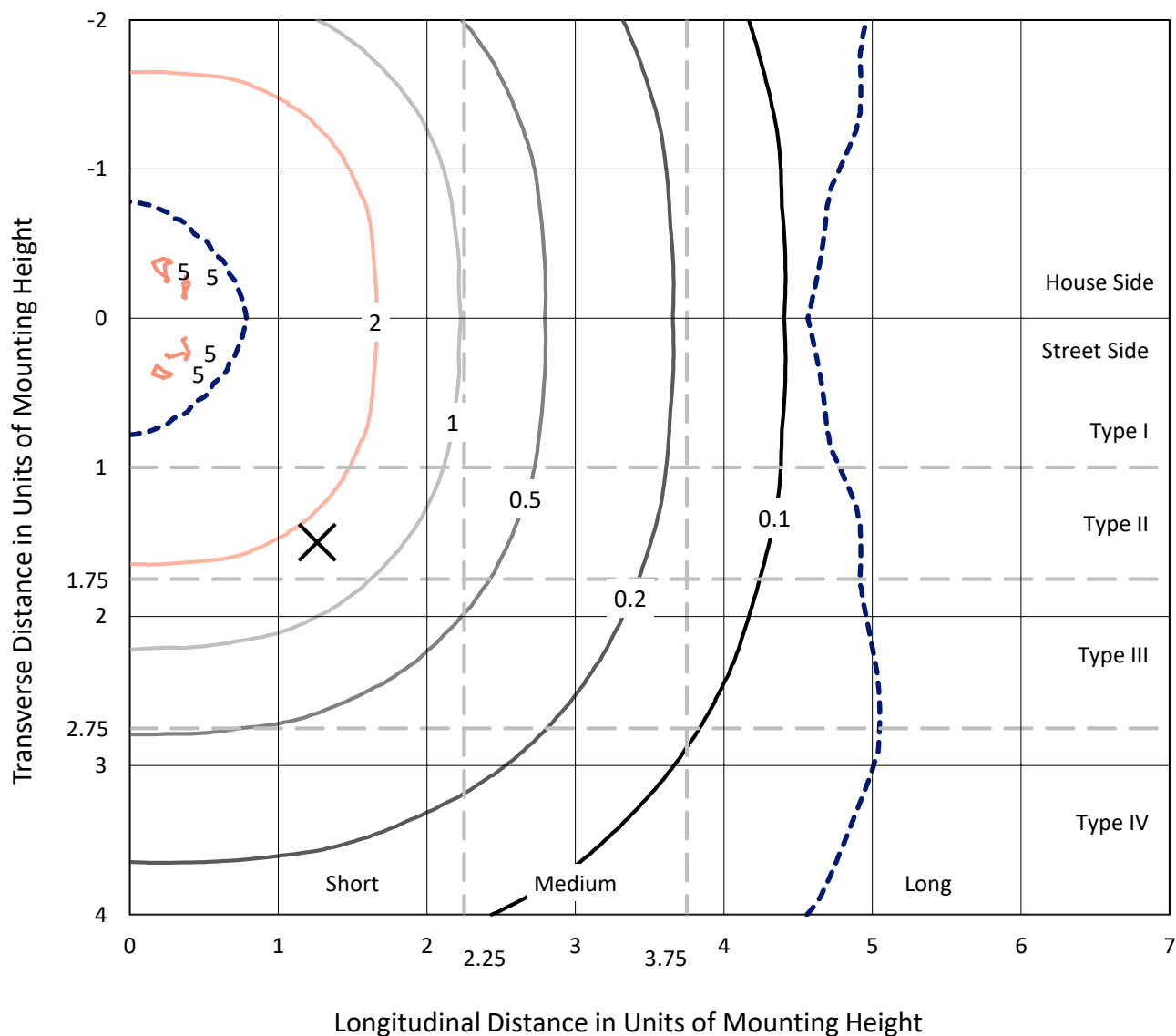
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

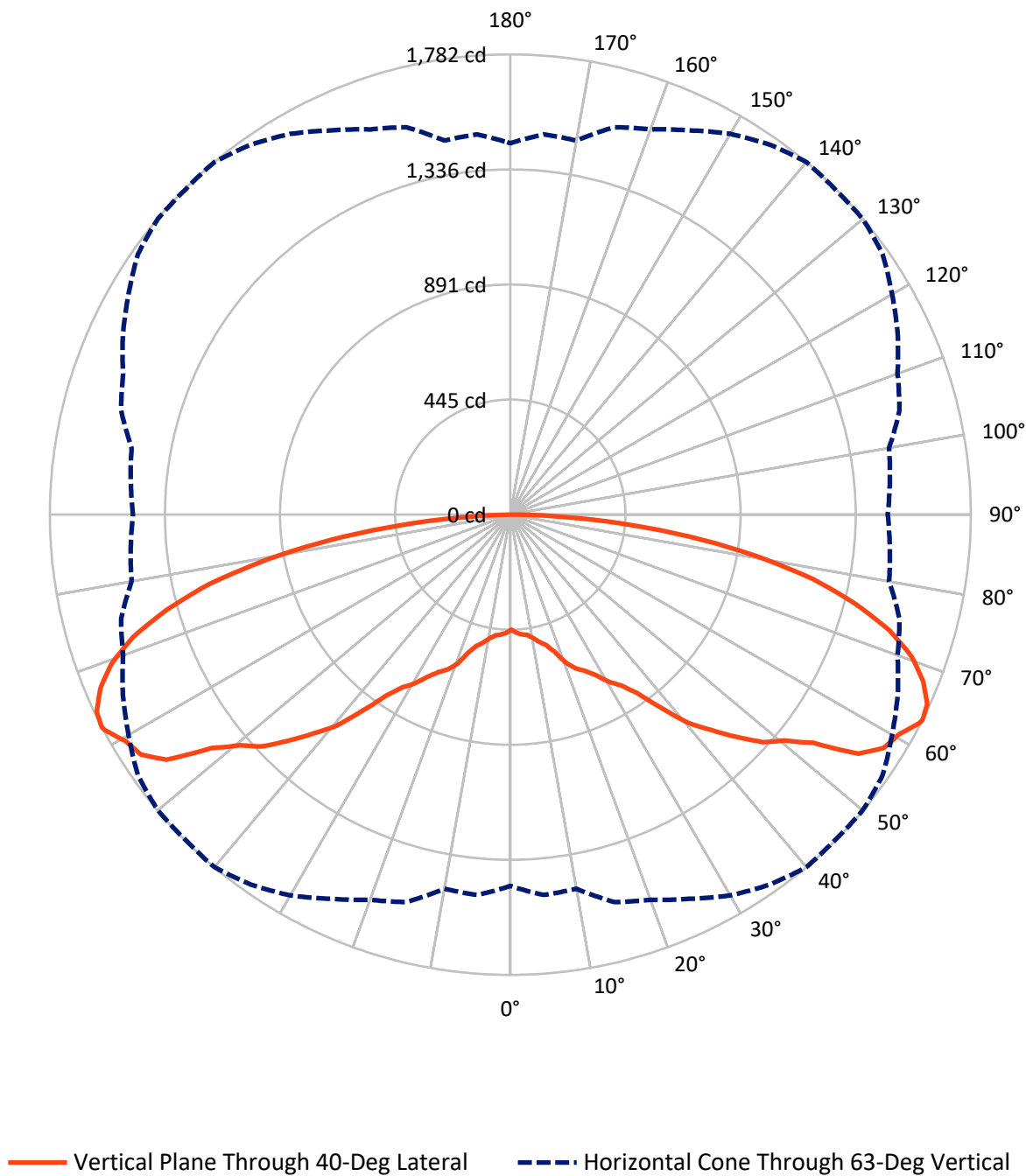


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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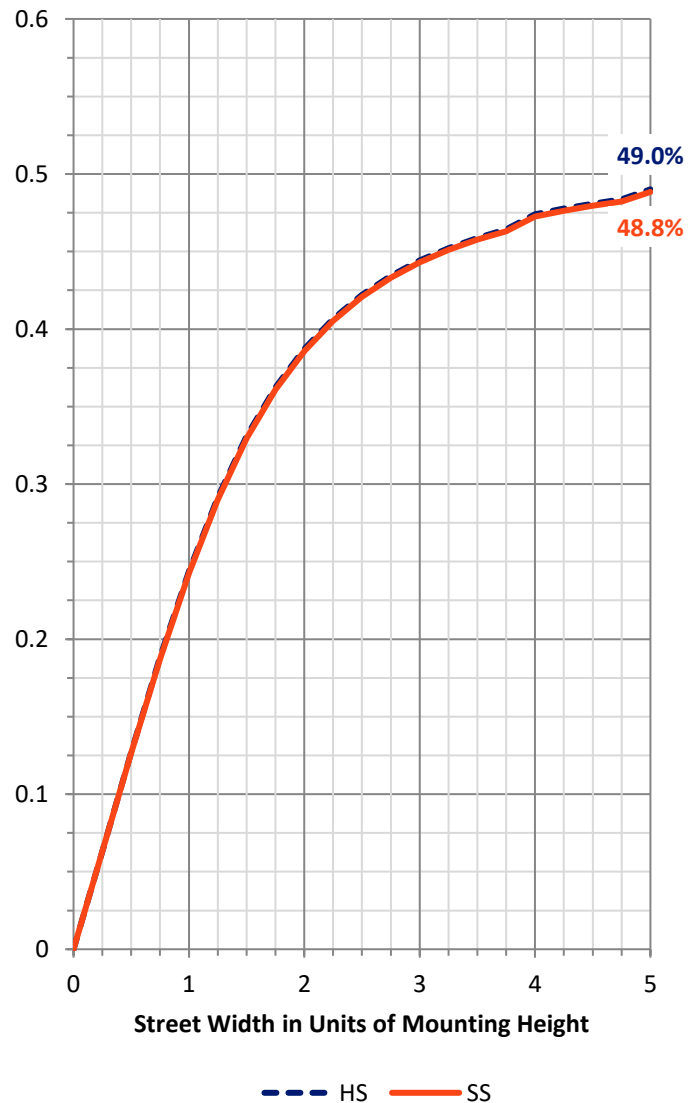
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3271.0	0.0	3271.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3271.0	0.0	3271.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6541.9	0.0	6541.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.9	0.7
10°-20°	152.8	2.3
20°-30°	310.7	4.7
30°-40°	535.5	8.2
40°-50°	902.1	13.8
50°-60°	1328.3	20.3
60°-70°	1579.6	24.1
70°-80°	1278.8	19.5
80°-90°	409.1	6.3
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°	6541.9	100.0
0°-180°	6541.9	100.0

Coefficient of Utilization



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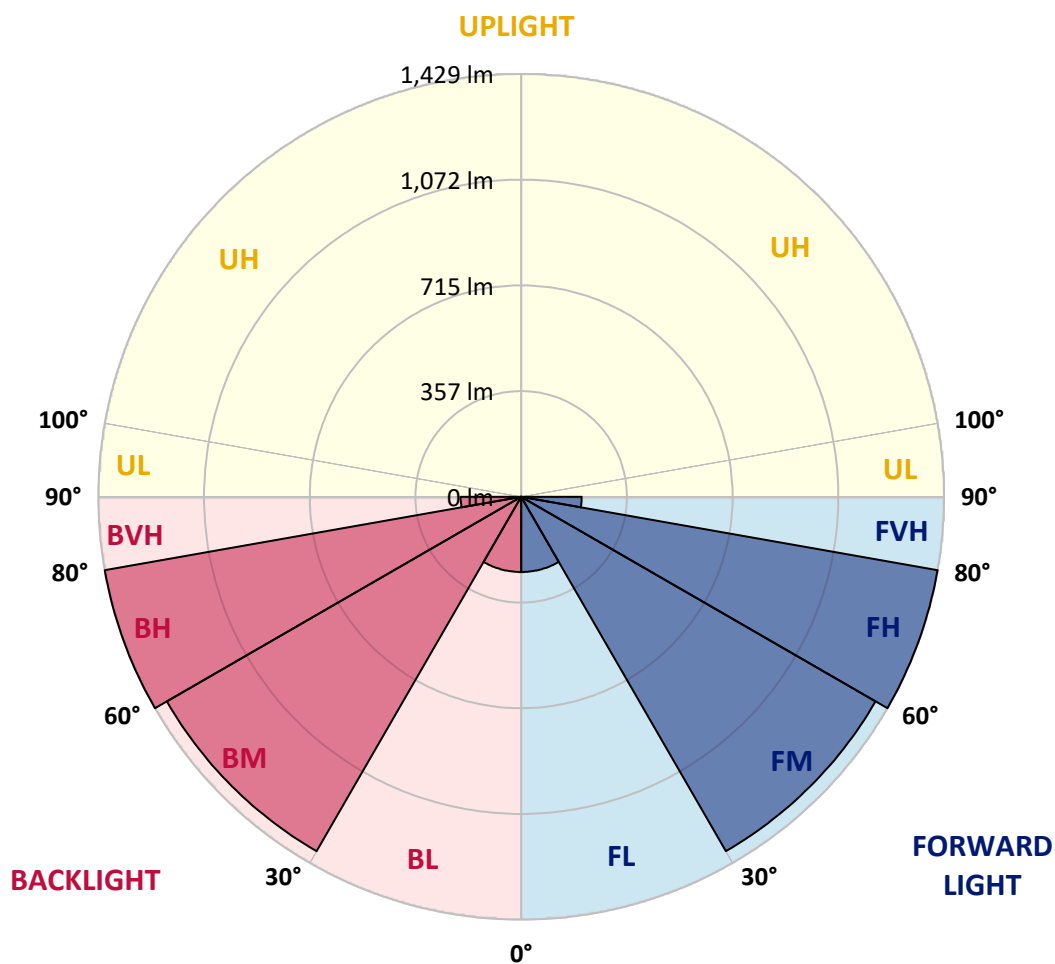
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.2	3.9			
FM	(30°-60°)	1383.0	21.1			
FH	(60°-80°)	1429.2	21.8			G1/1800
FVH	(80°-90°)	204.6	3.1			G2/225
BL	(0°-30°)	254.2	3.9	B1/500		
BM	(30°-60°)	1383.0	21.1	B2/2500		
BH	(60°-80°)	1429.2	21.8	B3/2500		G1/1800
BVH	(80°-90°)	204.6	3.1			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°	445.4	445.4	445.4	445.4	445.4	445.4	445.4	445.4	445.4	445.4	445.4
2.5°	459.3	459.3	459.3	459.3	459.3	459.3	458.0	459.3	458.0	458.0	458.0
5°	468.1	468.1	468.1	468.1	467.0	467.0	465.7	465.7	465.7	464.4	465.7
7.5°	472.0	472.0	472.0	472.0	470.7	470.7	470.7	470.7	470.7	470.7	470.7
10°	480.8	480.8	482.1	483.4	485.9	485.9	485.9	487.2	485.9	485.9	485.9
12.5°	499.8	498.6	501.1	503.6	506.2	507.4	507.4	507.4	506.2	506.2	507.4
15°	526.4	523.9	525.1	526.4	527.7	529.0	529.0	527.7	525.1	525.1	525.1
17.5°	560.5	556.8	555.5	554.2	554.2	556.8	559.3	558.1	559.3	558.1	559.3
20°	601.1	598.5	598.5	598.5	599.8	604.8	609.9	612.4	611.2	608.7	612.4
22.5°	627.6	628.9	635.2	633.9	632.6	637.7	644.0	649.1	646.6	642.9	645.3
25°	656.7	656.7	665.6	669.4	665.6	665.6	668.1	671.9	669.4	666.8	669.4
27.5°	689.6	689.6	693.5	697.2	694.6	694.6	698.5	704.9	703.6	702.3	703.6
30°	728.8	723.8	720.0	726.3	732.7	734.0	737.7	747.8	750.4	749.1	751.6
32.5°	765.6	757.9	760.5	764.3	778.2	783.3	782.0	789.6	788.3	784.6	789.6
35°	801.0	809.8	814.9	822.5	827.6	833.9	833.9	847.7	850.3	846.6	850.3
37.5°	869.4	873.1	887.1	888.3	894.6	918.7	921.1	940.2	950.3	945.2	946.5
40°	962.9	961.6	971.9	987.0	999.7	1030.0	1038.9	1051.5	1060.4	1056.6	1061.7
42.5°	1038.9	1028.8	1036.3	1069.2	1083.2	1106.0	1117.3	1123.7	1140.1	1135.1	1141.4
45°	1093.3	1097.0	1107.2	1140.1	1148.9	1167.9	1194.5	1205.9	1227.4	1221.1	1224.9
47.5°	1146.5	1164.2	1173.0	1188.1	1216.0	1241.3	1274.2	1285.6	1316.0	1313.4	1309.7
50°	1216.0	1229.9	1240.0	1251.4	1289.5	1331.2	1359.0	1364.0	1374.3	1366.6	1379.3
52.5°	1290.6	1289.5	1298.3	1329.9	1383.1	1399.5	1423.6	1446.3	1467.8	1475.5	1467.8
55°	1389.4	1357.7	1394.4	1440.0	1462.8	1502.0	1560.2	1591.8	1633.6	1640.0	1627.3
57.5°	1429.9	1429.9	1467.8	1494.4	1536.2	1605.8	1667.8	1682.9	1704.4	1693.0	1705.7
60°	1424.9	1472.9	1472.9	1519.7	1588.1	1650.1	1672.8	1698.1	1727.2	1726.0	1726.0
62.5°	1431.2	1477.9	1465.2	1546.3	1588.1	1638.7	1689.3	1736.1	1776.6	1775.3	1774.1
63°	1437.4	1477.9	1470.4	1552.6	1586.8	1641.1	1702.0	1748.7	1781.7	1779.1	1780.4
65°	1456.4	1445.1	1490.6	1542.5	1581.7	1662.7	1713.4	1750.0	1772.8	1771.5	1771.5
67.5°	1421.0	1394.4	1459.0	1479.2	1553.9	1626.0	1665.2	1707.0	1723.4	1723.4	1720.9
70°	1312.3	1323.5	1367.9	1400.8	1476.6	1541.2	1574.1	1627.3	1647.5	1647.5	1646.3
72.5°	1202.1	1221.1	1251.4	1298.3	1370.4	1421.0	1460.2	1508.3	1534.9	1533.6	1533.6
75°	1061.7	1079.4	1114.8	1159.1	1222.3	1271.7	1303.3	1348.9	1379.3	1390.7	1378.0
77.5°	903.5	908.6	941.5	987.0	1042.7	1076.8	1125.0	1169.2	1194.5	1193.2	1189.4
80°	711.2	717.4	745.4	797.1	827.6	868.1	912.3	936.4	957.9	957.9	955.3
82.5°	490.9	504.9	532.7	566.9	598.5	633.9	658.0	682.1	699.8	698.5	694.6
85°	277.1	283.4	310.0	331.6	355.5	378.3	394.8	410.0	425.2	425.2	422.6
87.5°	83.5	74.7	89.8	98.8	111.3	122.7	130.3	145.5	155.7	144.3	144.3
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°	445.4	445.4	445.4	445.4	445.4	445.4	445.4	445.4
2.5°	459.3	459.3	459.3	459.3	459.3	459.3	459.3	459.3
5°	465.7	467.0	467.0	468.1	468.1	468.1	468.1	468.1
7.5°	470.7	470.7	470.7	470.7	472.0	472.0	472.0	472.0
10°	485.9	487.2	485.9	485.9	483.4	482.1	482.1	482.1
12.5°	507.4	508.6	508.6	506.2	503.6	501.1	499.8	498.6
15°	527.7	531.4	529.0	527.7	525.1	526.4	526.4	527.7
17.5°	559.3	560.5	556.8	554.2	552.9	555.5	558.1	559.3
20°	613.7	611.2	603.6	601.1	598.5	598.5	601.1	601.1
22.5°	647.9	641.6	636.5	633.9	633.9	633.9	630.2	625.1
25°	671.9	668.1	664.3	666.8	669.4	665.6	656.7	655.4
27.5°	704.9	697.2	695.9	694.6	695.9	693.5	692.2	687.1
30°	747.8	737.7	735.1	732.7	725.0	722.6	725.0	728.8
32.5°	788.3	782.0	784.6	779.4	765.6	760.5	763.0	761.8
35°	846.6	835.2	835.2	825.0	821.2	819.9	809.8	801.0
37.5°	938.9	923.7	920.0	897.2	887.1	889.6	875.7	865.5
40°	1051.5	1040.2	1030.0	1004.7	990.8	973.0	964.2	964.2
42.5°	1126.1	1118.6	1104.7	1086.9	1071.8	1041.4	1030.0	1036.3
45°	1208.5	1198.4	1169.2	1151.5	1137.5	1116.0	1103.4	1090.8
47.5°	1291.9	1278.1	1243.9	1221.1	1188.1	1181.8	1167.9	1150.2
50°	1365.3	1360.3	1336.2	1298.3	1256.5	1246.4	1233.7	1217.3
52.5°	1455.1	1424.9	1404.5	1388.1	1341.3	1308.4	1290.6	1298.3
55°	1601.9	1564.0	1512.1	1460.2	1450.1	1410.9	1366.6	1390.7
57.5°	1686.7	1665.2	1626.0	1543.8	1503.3	1476.6	1447.6	1426.0
60°	1707.0	1667.8	1658.9	1596.9	1532.4	1476.6	1488.0	1437.4
62.5°	1746.2	1693.0	1643.7	1594.4	1555.2	1479.2	1476.6	1450.1
63°	1758.9	1705.7	1653.8	1594.4	1558.9	1488.0	1474.2	1460.2
65°	1756.3	1710.8	1671.5	1594.4	1541.2	1513.4	1445.1	1476.6
67.5°	1708.3	1670.3	1624.7	1571.6	1483.0	1461.5	1413.5	1419.8
70°	1631.0	1581.7	1538.8	1489.3	1418.5	1369.1	1340.1	1316.0
72.5°	1510.8	1466.5	1421.0	1375.4	1312.3	1252.7	1232.5	1205.9
75°	1351.5	1308.4	1266.7	1223.6	1164.2	1111.0	1089.5	1070.5
77.5°	1169.2	1132.5	1073.1	1032.6	998.4	941.5	921.1	900.9
80°	932.5	914.9	871.8	818.8	801.0	745.4	730.1	703.6
82.5°	678.2	660.5	626.3	589.7	568.2	539.1	513.7	496.0
85°	413.8	394.8	377.0	344.1	331.6	310.0	289.8	279.7
87.5°	149.4	134.1	120.2	105.0	97.5	82.2	79.7	72.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)