

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: STREETWORKS

Report Number: P177508

Luminaire Tested: **VAL-E04-LED-E-U-GL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177508
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33702)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-E04-LED-E-U-GL3
Description: VALET TUNNEL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE III W/ GLARE CONTROL
Light Source: (84) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11874.8 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 97.2
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: 28.75 FT

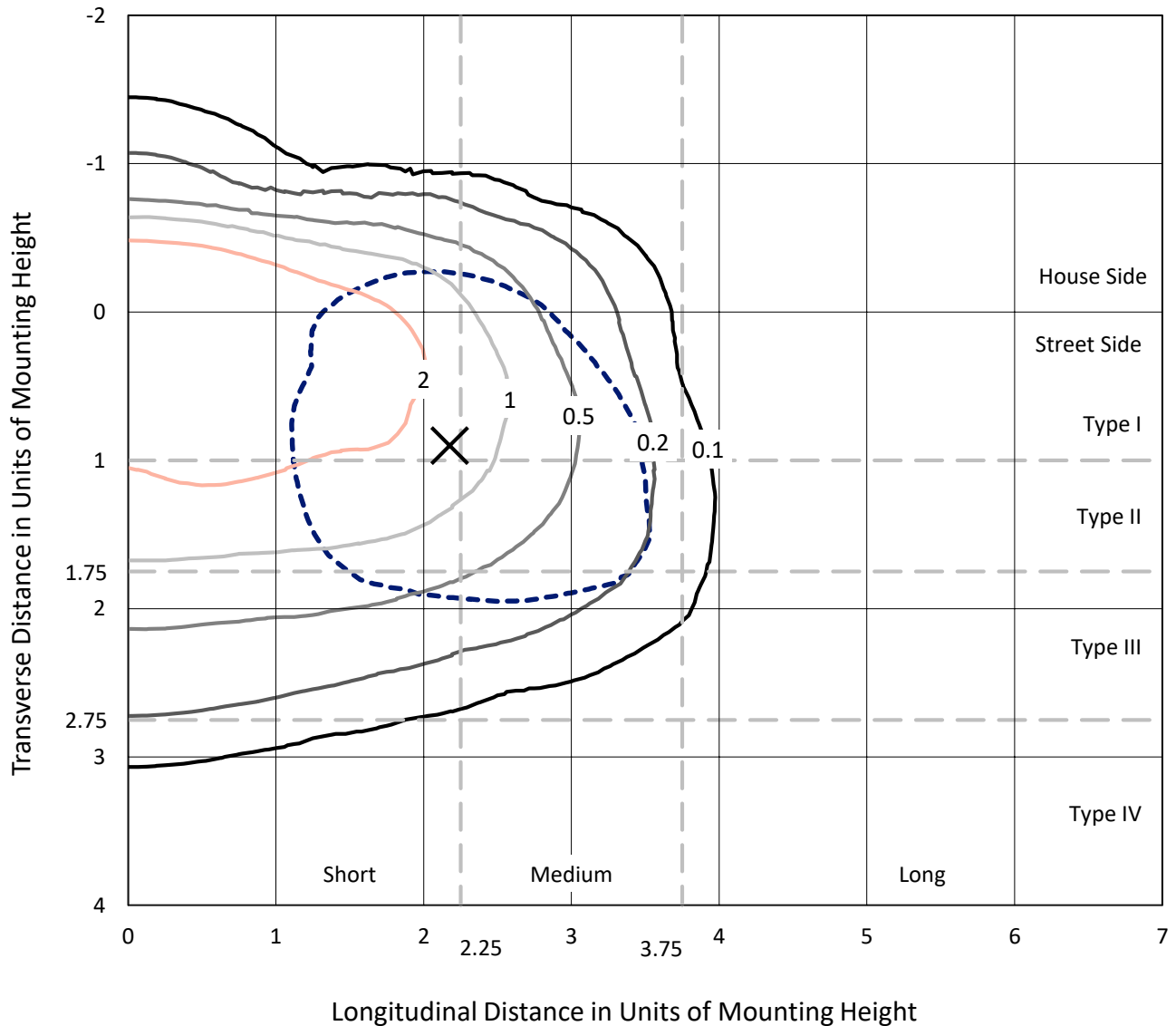


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

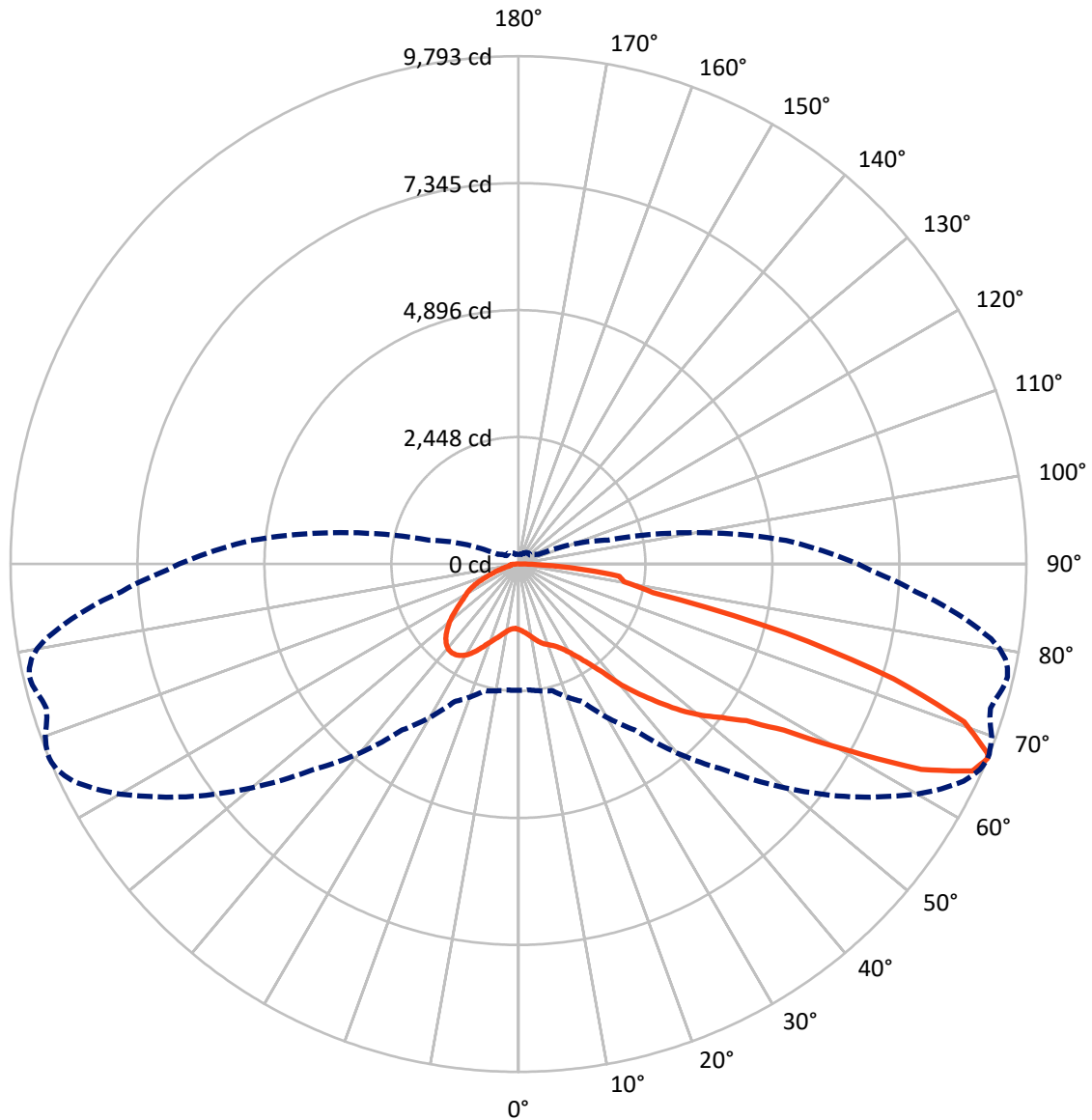


Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2811.9	0.0	2811.9
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	9062.9	0.0	9062.9
	% Fixture	76.3	0.0	76.3
Total	Lumens	11874.8	0.0	11874.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	1.1
10°-20°	431.7	3.6
20°-30°	768.6	6.5
30°-40°	1119.5	9.4
40°-50°	1725.0	14.5
50°-60°	2526.3	21.3
60°-70°	3354.6	28.3
70°-80°	1581.3	13.3
80°-90°	241.7	2.0
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°	11874.8	100.0
0°-180°	11874.8	100.0

Coefficient of Utilization



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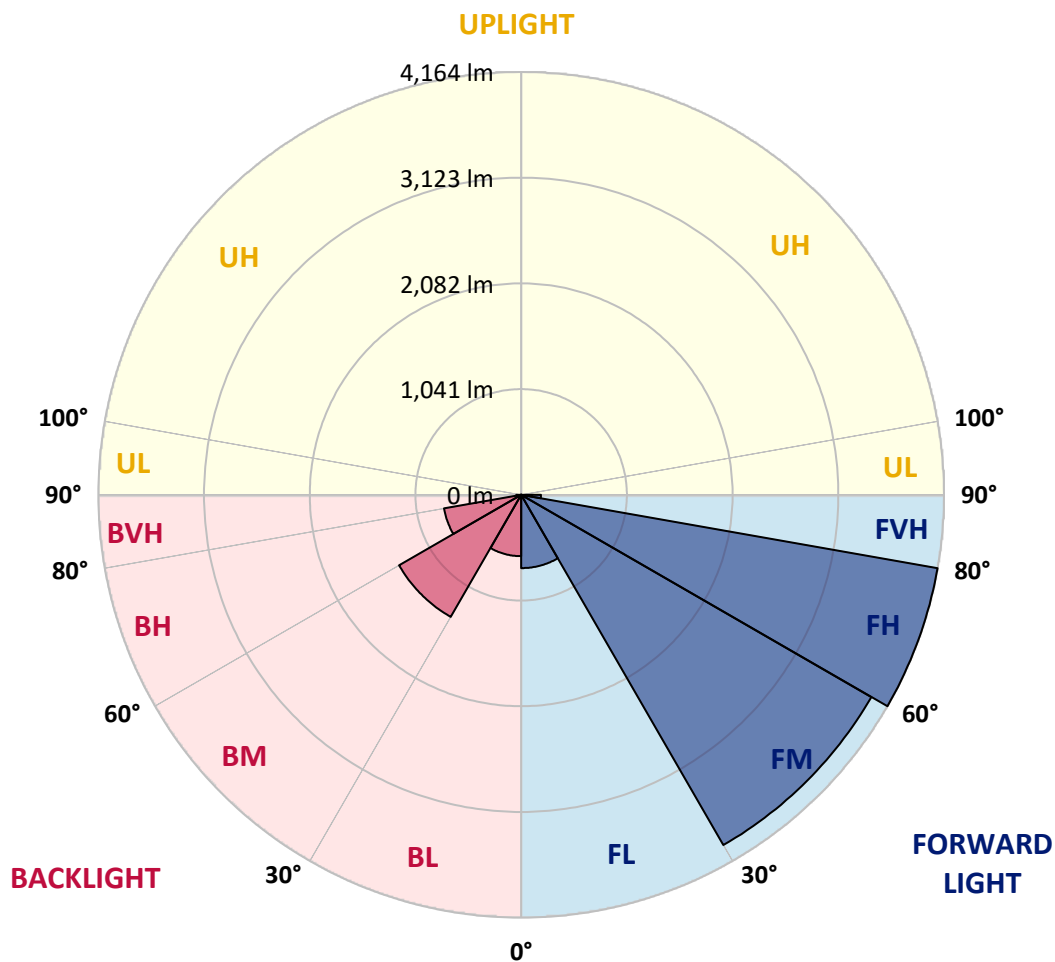
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	721.9	6.1			
FM	(30°-60°)	3982.2	33.5			
FH	(60°-80°)	4164.0	35.1			G2/5000
FVH	(80°-90°)	194.8	1.6			G2/225
BL	(0°-30°)	604.5	5.1	B2/1000		
BM	(30°-60°)	1388.5	11.7	B2/2500		
BH	(60°-80°)	772.0	6.5	B2/1000		G2/1000
BVH	(80°-90°)	46.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1326.4	1320.8	1321.6	1324.0	1316.0	1312.0	1303.2	1297.6	1296.8	1296.0	1292.8
5°	1404.0	1398.4	1400.8	1394.4	1379.2	1368.8	1350.4	1340.8	1339.2	1337.6	1333.6
7.5°	1484.8	1477.6	1469.6	1462.4	1445.6	1428.8	1404.8	1390.4	1388.8	1386.4	1384.0
10°	1580.8	1570.4	1564.0	1541.6	1512.8	1489.6	1465.6	1450.4	1449.6	1447.2	1442.4
12.5°	1688.8	1677.6	1665.6	1636.0	1591.2	1556.8	1528.8	1520.0	1512.8	1513.6	1508.8
15°	1796.0	1784.0	1768.0	1730.4	1671.2	1620.0	1584.0	1571.2	1572.0	1568.0	1570.4
17.5°	1886.4	1876.0	1852.8	1804.8	1736.0	1665.6	1620.0	1614.4	1616.0	1615.2	1617.6
20°	1945.6	1939.2	1904.0	1846.4	1768.8	1691.2	1644.8	1644.8	1645.6	1648.8	1654.4
22.5°	1981.6	1972.0	1925.6	1844.8	1768.0	1703.2	1667.2	1675.2	1680.0	1682.4	1691.2
25°	2001.6	1989.6	1926.4	1819.2	1740.8	1712.0	1700.8	1720.8	1728.8	1732.8	1747.2
27.5°	2001.6	1987.2	1916.0	1787.2	1709.6	1738.4	1764.8	1799.2	1804.8	1816.8	1833.6
30°	1979.2	1968.0	1900.0	1763.2	1701.6	1788.0	1868.0	1907.2	1920.8	1934.4	1956.0
32.5°	1955.2	1945.6	1892.0	1776.0	1746.4	1892.0	2025.6	2079.2	2087.2	2098.4	2120.8
35°	1953.6	1950.4	1927.2	1857.6	1881.6	2082.4	2263.2	2300.0	2322.4	2328.0	2337.6
37.5°	1970.4	1976.8	1996.8	1989.6	2076.0	2365.6	2574.4	2648.0	2665.6	2656.0	2664.8
40°	2009.6	2025.6	2100.0	2192.0	2372.8	2708.0	2998.4	3083.2	3102.4	3096.8	3094.4
42.5°	2133.6	2155.2	2264.8	2461.6	2681.6	3062.4	3392.0	3483.2	3489.6	3492.8	3472.0
45°	2328.0	2340.0	2485.6	2736.8	3016.0	3444.0	3784.8	3886.4	3882.4	3866.4	3851.2
47.5°	2548.8	2573.6	2748.0	3052.0	3361.6	3796.8	4182.4	4281.6	4290.4	4276.0	4248.0
50°	2749.6	2768.8	2965.6	3326.4	3666.4	4090.4	4517.6	4617.6	4616.0	4624.0	4632.0
52.5°	2908.0	2925.6	3112.8	3509.6	3890.4	4336.8	4770.4	4893.6	4912.8	4925.6	4941.6
55°	2989.6	3008.0	3180.8	3585.6	4026.4	4577.6	5062.4	5239.2	5272.0	5300.8	5327.2
57.5°	2991.2	3015.2	3173.6	3580.0	4096.8	4792.8	5448.8	5766.4	5812.8	5886.4	5976.8
60°	2942.4	2976.0	3118.4	3528.0	4177.6	5065.6	6085.6	6693.6	6784.8	6913.6	7029.6
62.5°	2815.2	2848.8	2976.0	3396.0	4272.0	5415.2	7005.6	7896.8	8091.2	8233.6	8463.2
65°	2614.4	2646.4	2753.6	3177.6	4196.8	5691.2	7691.2	8760.0	8958.4	9136.8	9406.4
67°	2435.2	2438.4	2528.8	2927.2	3904.0	5605.6	7828.8	8875.2	9058.4	9239.2	9552.0
67.5°	2372.0	2389.6	2460.0	2844.0	3792.8	5542.4	7774.4	8812.8	8990.4	9183.2	9502.4
70°	1917.6	1922.4	1990.4	2268.8	3009.6	4595.2	6983.2	8016.8	8138.4	8420.8	8734.4
72.5°	1169.6	1161.6	1183.2	1389.6	1980.8	3182.4	5591.2	6600.0	6766.4	7007.2	7219.2
75°	644.0	682.4	708.8	852.0	1112.8	1871.2	3807.2	4775.2	5019.2	5162.4	5204.8
77.5°	393.6	390.4	402.4	549.6	912.8	1280.0	2103.2	2801.6	2937.6	2978.4	2820.8
80°	187.2	194.4	192.0	226.4	442.4	1080.0	1470.4	1799.2	1868.0	1907.2	1958.4
82.5°	102.4	106.4	120.8	135.2	174.4	464.8	1268.8	1659.2	1705.6	1772.8	1848.0
85°	64.0	67.2	92.8	97.6	107.2	143.2	528.8	969.6	1008.8	1142.4	1184.8
87.5°	26.4	28.8	50.4	45.6	54.4	50.4	160.0	246.4	261.6	278.4	308.8
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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CATALOG NUMBER: VAL-E04-LED-E-U-GL3

CANDELA DISTRIBUTION (continued):

	65°	66°	67°	67.5°	68°	69°	70°	71°	72°	73°	74°
0°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1293.6	1292.8	1289.6	1288.8	1290.4	1290.4	1288.8	1286.4	1285.6	1284.8	1283.2
5°	1332.0	1330.4	1328.0	1326.4	1325.6	1325.6	1323.2	1320.8	1318.4	1315.2	1314.4
7.5°	1377.6	1377.6	1376.8	1374.4	1372.0	1368.8	1366.4	1364.0	1361.6	1360.0	1357.6
10°	1437.6	1440.8	1435.2	1433.6	1432.8	1428.0	1427.2	1424.8	1423.2	1419.2	1419.2
12.5°	1508.8	1505.6	1504.8	1501.6	1501.6	1499.2	1498.4	1497.6	1496.0	1492.8	1492.0
15°	1568.0	1568.0	1567.2	1565.6	1567.2	1565.6	1563.2	1564.8	1562.4	1563.2	1560.8
17.5°	1616.0	1619.2	1618.4	1619.2	1618.4	1618.4	1620.0	1620.0	1621.6	1618.4	1619.2
20°	1656.0	1660.8	1663.2	1661.6	1663.2	1664.0	1668.0	1669.6	1672.0	1673.6	1673.6
22.5°	1697.6	1704.0	1708.8	1708.8	1712.0	1715.2	1722.4	1724.0	1729.6	1728.8	1732.8
25°	1756.0	1766.4	1769.6	1774.4	1778.4	1784.0	1792.8	1796.8	1799.2	1804.8	1811.2
27.5°	1845.6	1858.4	1860.8	1866.4	1876.8	1880.0	1889.6	1893.6	1902.4	1914.4	1916.8
30°	1968.0	1984.0	1984.8	1991.2	2003.2	2007.2	2015.2	2025.6	2032.8	2044.8	2045.6
32.5°	2134.4	2150.4	2148.0	2160.0	2159.2	2171.2	2168.8	2184.8	2191.2	2197.6	2215.2
35°	2356.0	2354.4	2366.4	2370.4	2368.0	2377.6	2376.0	2383.2	2389.6	2389.6	2408.8
37.5°	2675.2	2672.8	2671.2	2654.4	2650.4	2651.2	2648.0	2654.4	2644.0	2644.0	2664.8
40°	3103.2	3088.8	3077.6	3066.4	3055.2	3040.0	3027.2	3024.0	3006.4	3005.6	2997.6
42.5°	3475.2	3461.6	3453.6	3432.0	3420.8	3418.4	3387.2	3378.4	3373.6	3376.8	3368.8
45°	3865.6	3851.2	3820.8	3811.2	3808.0	3791.2	3786.4	3764.8	3758.4	3769.6	3765.6
47.5°	4268.0	4247.2	4230.4	4219.2	4215.2	4200.8	4180.0	4197.6	4188.8	4182.4	4170.4
50°	4629.6	4606.4	4606.4	4586.4	4589.6	4580.0	4558.4	4563.2	4538.4	4548.0	4541.6
52.5°	4932.8	4934.4	4942.4	4920.0	4924.0	4924.0	4916.8	4893.6	4900.0	4896.8	4912.0
55°	5318.4	5344.8	5330.4	5334.4	5339.2	5361.6	5377.6	5364.0	5341.6	5359.2	5408.0
57.5°	5992.8	6016.8	6031.2	6042.4	6060.8	6071.2	6157.6	6169.6	6144.0	6196.8	6305.6
60°	7165.6	7194.4	7237.6	7294.4	7306.4	7379.2	7424.0	7476.8	7496.0	7541.6	7658.4
62.5°	8576.0	8640.8	8648.8	8720.8	8776.8	8708.8	8726.4	8791.2	8717.6	8818.4	8823.2
65°	9499.2	9593.6	9596.8	9623.2	9644.0	9580.0	9551.2	9522.4	9452.8	9448.8	9518.4
67°	9657.6	9744.0	9780.0	9792.8	9789.6	9756.8	9709.6	9626.4	9559.2	9520.8	9549.6
67.5°	9612.8	9697.6	9748.0	9760.0	9760.8	9728.8	9685.6	9595.2	9532.0	9488.8	9519.2
70°	8876.8	9075.2	9161.6	9116.8	9142.4	9142.4	9140.8	9057.6	9026.4	8984.8	8968.8
72.5°	7380.8	7518.4	7628.0	7569.6	7576.8	7631.2	7618.4	7627.2	7537.6	7528.0	7380.0
75°	5287.2	5331.2	5294.4	5336.0	5112.0	5032.0	4896.0	4697.6	4645.6	4563.2	4316.8
77.5°	2808.8	2759.2	2660.8	2652.8	2560.8	2489.6	2401.6	2344.0	2198.4	2117.6	1932.8
80°	1984.0	2008.0	2045.6	2068.0	2088.8	2104.8	2072.0	1980.0	1858.4	1722.4	1593.6
82.5°	1895.2	1928.0	1950.4	1961.6	1953.6	1928.0	1852.8	1764.8	1602.4	1484.8	1345.6
85°	1195.2	1221.6	1176.0	1166.4	1186.4	1024.8	936.0	864.0	700.0	651.2	575.2
87.5°	320.8	338.4	339.2	328.8	322.4	284.0	251.2	222.4	184.0	172.8	140.0
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):

	75°	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°
0°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1283.2	1282.4	1282.4	1280.0	1278.4	1277.6	1276.8	1274.4	1272.8	1272.8	1272.0
5°	1313.6	1312.0	1309.6	1308.8	1305.6	1304.0	1300.8	1299.2	1296.8	1295.2	1294.4
7.5°	1356.8	1352.8	1348.0	1348.8	1344.0	1341.6	1340.0	1336.8	1334.4	1332.0	1331.2
10°	1414.4	1413.6	1408.8	1410.4	1401.6	1405.6	1397.6	1398.4	1393.6	1388.8	1388.0
12.5°	1488.0	1487.2	1482.4	1476.8	1475.2	1476.0	1471.2	1472.0	1466.4	1464.8	1463.2
15°	1558.4	1556.8	1554.4	1550.4	1548.0	1547.2	1545.6	1544.0	1539.2	1539.2	1533.6
17.5°	1619.2	1620.0	1616.8	1613.6	1612.0	1609.6	1608.8	1608.8	1604.8	1600.8	1601.6
20°	1672.8	1674.4	1674.4	1672.0	1672.8	1671.2	1670.4	1672.0	1668.0	1666.4	1664.0
22.5°	1732.8	1732.8	1733.6	1735.2	1737.6	1738.4	1738.4	1736.8	1734.4	1733.6	1728.8
25°	1816.0	1812.8	1816.8	1818.4	1818.4	1822.4	1820.8	1821.6	1822.4	1820.0	1817.6
27.5°	1920.8	1917.6	1925.6	1931.2	1930.4	1932.8	1937.6	1932.0	1935.2	1937.6	1932.0
30°	2049.6	2057.6	2063.2	2067.2	2065.6	2072.8	2075.2	2074.4	2072.0	2076.0	2076.0
32.5°	2213.6	2209.6	2224.0	2232.8	2233.6	2232.0	2236.0	2240.8	2236.8	2243.2	2240.0
35°	2408.8	2411.2	2414.4	2424.0	2428.0	2421.6	2428.0	2433.6	2432.0	2432.8	2436.0
37.5°	2660.8	2664.8	2661.6	2662.4	2660.8	2691.2	2696.0	2700.8	2695.2	2690.4	2704.8
40°	3010.4	3010.4	3009.6	3020.0	3002.4	3021.6	3016.0	3029.6	3044.0	3036.0	3057.6
42.5°	3354.4	3373.6	3375.2	3360.0	3372.8	3393.6	3393.6	3402.4	3415.2	3402.4	3423.2
45°	3748.8	3772.8	3768.8	3794.4	3775.2	3799.2	3803.2	3792.0	3820.0	3823.2	3815.2
47.5°	4179.2	4184.0	4184.8	4193.6	4197.6	4216.8	4216.0	4236.8	4230.4	4198.4	4209.6
50°	4548.0	4560.0	4566.4	4572.0	4592.0	4605.6	4624.0	4627.2	4622.4	4612.8	4604.0
52.5°	4916.8	4945.6	4964.0	5013.6	5044.8	5069.6	5100.0	5111.2	5105.6	5103.2	5068.0
55°	5410.4	5479.2	5585.6	5654.4	5729.6	5773.6	5808.8	5826.4	5813.6	5820.0	5747.2
57.5°	6340.0	6501.6	6594.4	6712.0	6844.8	6900.0	6915.2	6977.6	6908.8	6840.0	6784.8
60°	7721.6	7870.4	8039.2	8160.0	8204.8	8357.6	8285.6	8204.8	8131.2	7988.8	7828.0
62.5°	8968.8	9160.8	9247.2	9360.0	9329.6	9316.8	9268.8	9140.0	8982.4	8770.4	8556.0
65°	9584.0	9692.0	9745.6	9782.4	9748.0	9659.2	9500.8	9310.4	9084.8	8810.4	8528.8
67°	9608.8	9658.4	9676.0	9640.8	9564.0	9425.6	9225.6	8956.0	8678.4	8364.0	8047.2
67.5°	9568.0	9600.8	9609.6	9554.4	9463.2	9313.6	9100.0	8812.0	8516.8	8190.4	7872.0
70°	9011.2	8987.2	8909.6	8833.6	8548.8	8348.0	7976.0	7668.8	7259.2	6959.2	6619.2
72.5°	7320.8	7211.2	7136.0	6800.0	6456.0	6256.8	5856.8	5489.6	5116.0	4830.4	4621.6
75°	4109.6	4029.6	3820.8	3643.2	3359.2	3099.2	2912.8	2679.2	2455.2	2322.4	2224.8
77.5°	1856.8	1628.0	1470.4	1271.2	1027.2	825.6	612.8	566.4	483.2	462.4	416.8
80°	1448.8	1284.8	1078.4	850.4	600.0	403.2	296.0	251.2	236.0	226.4	221.6
82.5°	1208.8	996.0	838.4	595.2	380.8	256.0	192.8	174.4	163.2	155.2	148.0
85°	516.8	408.8	336.8	240.8	171.2	135.2	118.4	108.0	97.6	88.8	83.2
87.5°	120.8	92.8	84.8	72.0	68.0	67.2	66.4	63.2	59.2	54.4	48.8
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):

	86°	87°	88°	89°	90°	95°	105°	115°	125°	135°	145°
0°	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2	1263.2
2.5°	1271.2	1270.4	1268.8	1266.4	1266.4	1263.2	1252.8	1245.6	1237.6	1232.8	1228.0
5°	1292.8	1292.0	1288.0	1285.6	1284.0	1277.6	1260.0	1246.4	1232.0	1221.6	1213.6
7.5°	1328.8	1326.4	1323.2	1321.6	1316.8	1308.8	1283.2	1264.0	1243.2	1226.4	1212.8
10°	1387.2	1383.2	1378.4	1373.6	1375.2	1362.4	1332.8	1304.8	1274.4	1248.0	1229.6
12.5°	1458.4	1458.4	1456.0	1452.8	1447.2	1432.8	1392.8	1360.0	1323.2	1290.4	1276.8
15°	1533.6	1529.6	1525.6	1520.8	1520.0	1500.8	1464.8	1427.2	1388.8	1360.8	1344.8
17.5°	1595.2	1596.8	1591.2	1589.6	1588.0	1568.8	1530.4	1496.8	1468.8	1439.2	1413.6
20°	1660.8	1657.6	1656.0	1653.6	1652.8	1636.8	1606.4	1585.6	1560.8	1516.0	1448.8
22.5°	1731.2	1727.2	1728.8	1724.0	1723.2	1712.0	1689.6	1683.2	1646.4	1552.0	1435.2
25°	1822.4	1815.2	1817.6	1817.6	1818.4	1808.0	1805.6	1794.4	1701.6	1543.2	1380.8
27.5°	1931.2	1934.4	1934.4	1933.6	1928.0	1931.2	1942.4	1904.0	1720.8	1496.8	1299.2
30°	2072.8	2074.4	2076.0	2081.6	2069.6	2090.4	2104.0	1981.6	1706.4	1432.8	1196.8
32.5°	2244.8	2238.4	2241.6	2244.8	2248.8	2270.4	2262.4	2020.8	1664.0	1345.6	1069.6
35°	2434.4	2446.4	2449.6	2456.8	2464.8	2497.6	2405.6	2028.8	1599.2	1228.8	907.2
37.5°	2716.8	2736.0	2736.0	2761.6	2746.4	2786.4	2533.6	2009.6	1500.8	1066.4	724.0
40°	3072.8	3081.6	3090.4	3093.6	3085.6	3080.8	2617.6	1962.4	1362.4	862.4	529.6
42.5°	3436.0	3432.8	3433.6	3439.2	3417.6	3327.2	2669.6	1880.0	1190.4	644.0	380.0
45°	3827.2	3813.6	3809.6	3798.4	3779.2	3588.8	2699.2	1764.0	964.0	452.8	298.4
47.5°	4208.0	4191.2	4165.6	4134.4	4097.6	3799.2	2696.0	1613.6	739.2	324.0	263.2
50°	4598.4	4568.8	4513.6	4483.2	4420.8	4008.0	2677.6	1446.4	532.0	268.0	246.4
52.5°	5044.8	4992.0	4940.8	4880.0	4776.8	4264.8	2649.6	1258.4	388.0	245.6	235.2
55°	5710.4	5624.0	5540.0	5413.6	5313.6	4608.8	2602.4	1056.0	306.4	236.8	228.8
57.5°	6628.0	6480.8	6374.4	6204.0	6044.0	5084.8	2552.0	872.0	273.6	234.4	225.6
60°	7660.8	7439.2	7240.8	7031.2	6848.8	5679.2	2525.6	728.0	266.4	236.8	226.4
62.5°	8308.8	8047.2	7799.2	7543.2	7280.8	5963.2	2411.2	628.8	269.6	247.2	232.8
65°	8227.2	7938.4	7668.8	7356.8	7109.6	5695.2	2120.0	532.0	275.2	265.6	250.4
67°	7676.8	7396.8	7089.6	6784.0	6544.0	5185.6	1789.6	448.0	281.6	286.4	269.6
67.5°	7529.6	7214.4	6904.8	6624.0	6364.0	5028.0	1703.2	427.2	283.2	292.0	276.0
70°	6279.2	6029.6	5667.2	5459.2	5271.2	4076.0	1270.4	332.0	288.0	316.8	306.4
72.5°	4393.6	4152.0	3962.4	3848.8	3739.2	2961.6	893.6	264.8	280.8	330.4	320.0
75°	2219.2	2164.0	2097.6	2060.8	2062.4	1721.6	538.4	225.6	264.0	316.8	290.4
77.5°	438.4	427.2	432.0	472.8	465.6	530.4	267.2	191.2	224.8	244.0	208.8
80°	212.0	204.8	198.4	196.8	192.8	184.8	168.0	159.2	182.4	160.8	138.4
82.5°	137.6	129.6	126.4	120.0	120.8	131.2	146.4	152.8	148.0	111.2	93.6
85°	77.6	76.8	75.2	76.8	80.0	104.8	156.8	143.2	119.2	78.4	70.4
87.5°	46.4	44.0	44.8	45.6	47.2	77.6	124.0	103.2	76.0	40.8	41.6
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):

	155°	165°	175°	180°
0°	1263.2	1263.2	1263.2	1263.2
2.5°	1227.2	1224.0	1224.0	1223.2
5°	1207.2	1202.4	1201.6	1201.6
7.5°	1204.0	1197.6	1196.8	1194.4
10°	1218.4	1216.0	1216.8	1214.4
12.5°	1264.0	1267.2	1270.4	1270.4
15°	1333.6	1331.2	1335.2	1331.2
17.5°	1384.8	1364.0	1359.2	1356.8
20°	1386.4	1343.2	1328.8	1326.4
22.5°	1336.8	1272.8	1248.8	1244.8
25°	1252.8	1172.0	1141.6	1138.4
27.5°	1147.2	1056.8	1012.0	1010.4
30°	1020.0	912.8	856.0	847.2
32.5°	864.8	737.6	677.6	658.4
35°	685.6	555.2	499.2	497.6
37.5°	512.0	410.4	374.4	372.8
40°	375.2	322.4	308.8	306.4
42.5°	306.4	284.8	279.2	276.8
45°	274.4	265.6	262.4	260.0
47.5°	255.2	249.6	247.2	247.2
50°	240.0	238.4	236.8	236.8
52.5°	229.6	228.8	227.2	226.4
55°	220.8	217.6	218.4	217.6
57.5°	215.2	210.4	210.4	210.4
60°	212.0	203.2	203.2	204.0
62.5°	212.8	199.2	198.4	198.4
65°	219.2	196.8	192.0	192.8
67°	227.2	194.4	184.8	184.0
67.5°	229.6	192.8	182.4	181.6
70°	239.2	188.0	170.4	168.8
72.5°	240.8	180.8	158.4	156.8
75°	224.0	171.2	148.8	144.8
77.5°	174.4	147.2	134.4	134.4
80°	122.4	112.8	96.0	95.2
82.5°	89.6	84.8	70.4	68.8
85°	65.6	61.6	52.0	52.0
87.5°	40.8	39.2	33.6	32.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)