

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: LUMARK

Report Number: P144835

Luminaire Tested: **LDRL-SL2-F02-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144835
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRL-SL2-F02-E
Description: RL LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4834.2 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

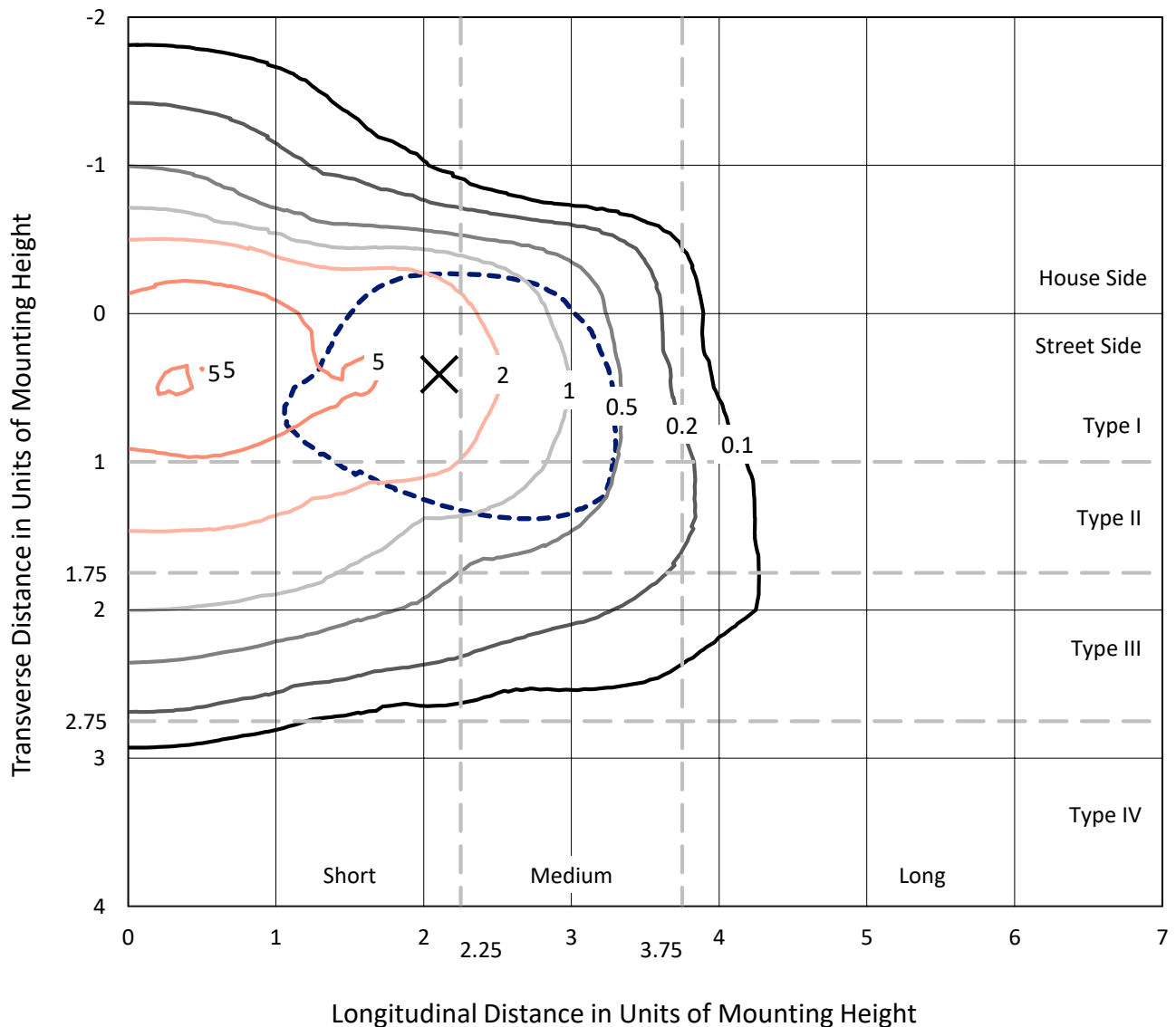
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

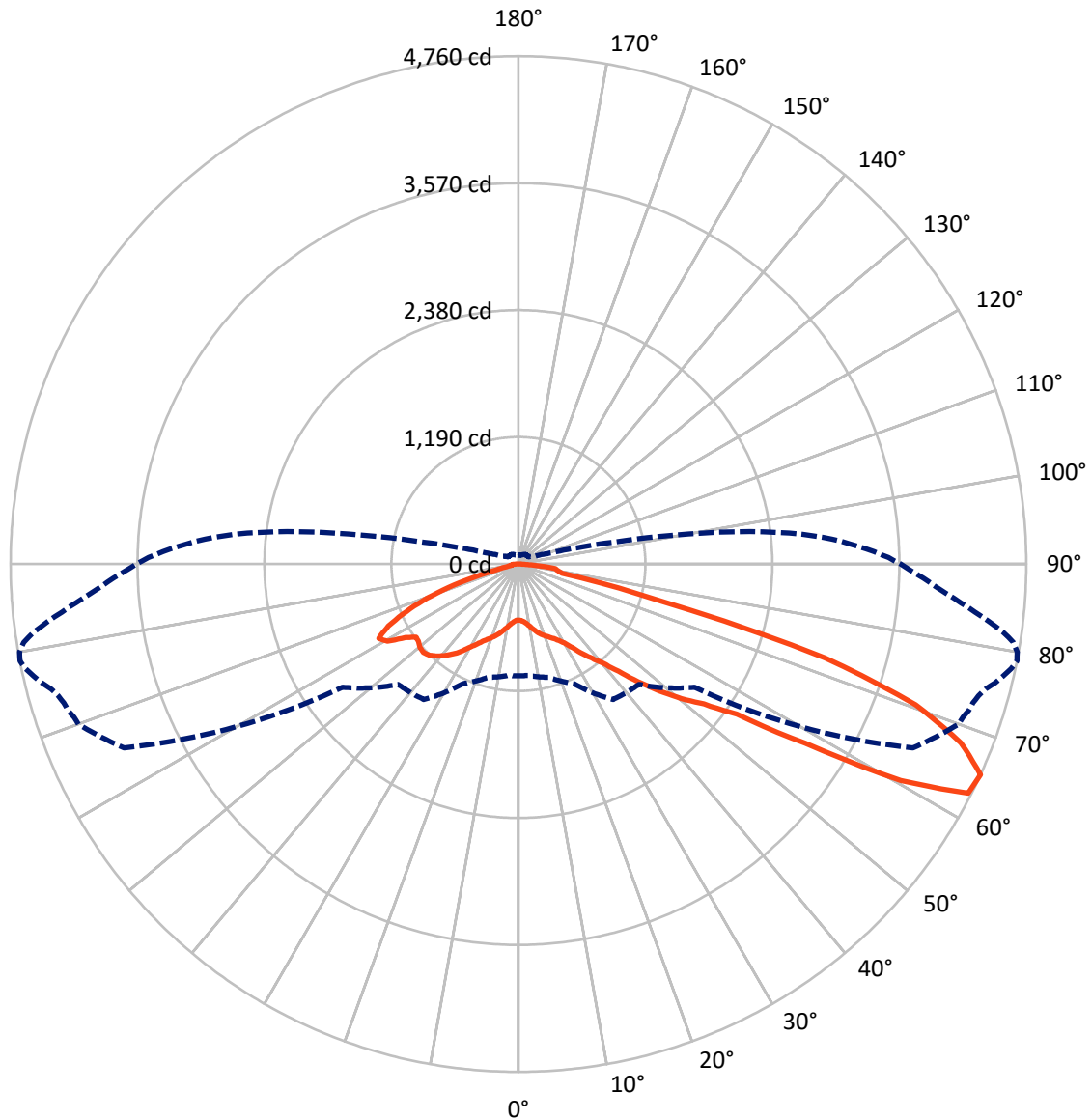
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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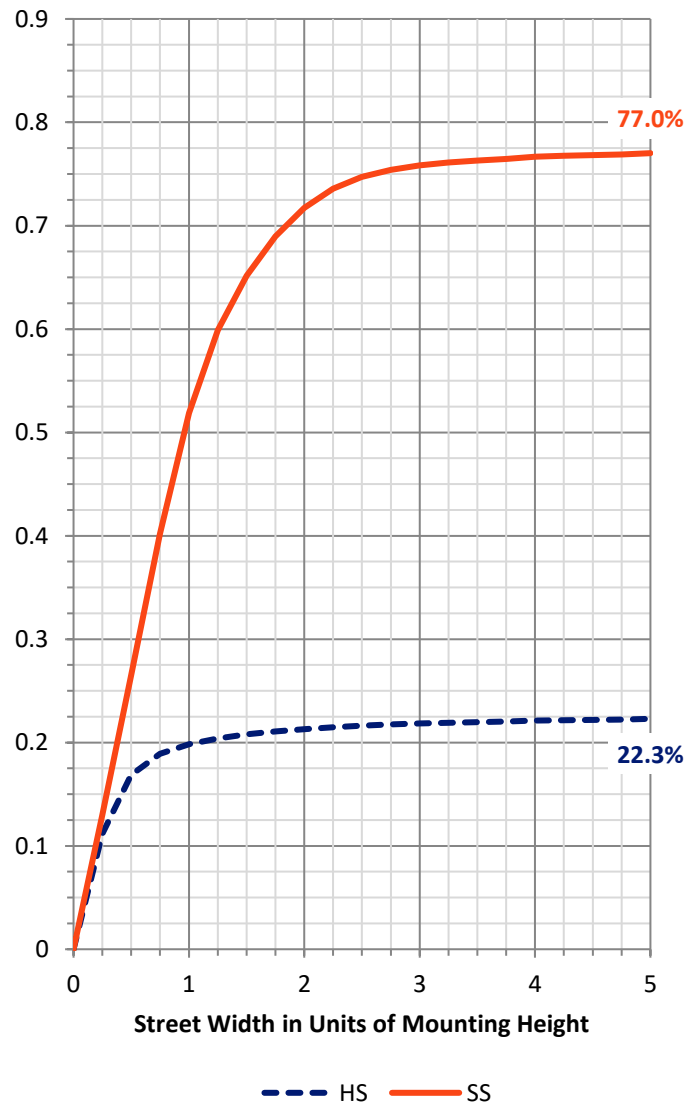
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1097.3	0.0	1097.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3736.9	0.0	3736.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	4834.2	0.0	4834.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.2	1.1
10°-20°	169.7	3.5
20°-30°	292.6	6.1
30°-40°	477.2	9.9
40°-50°	796.7	16.5
50°-60°	1077.3	22.3
60°-70°	1338.3	27.7
70°-80°	535.9	11.1
80°-90°	94.2	1.9
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°	4834.2	100.0
0°-180°	4834.2	100.0



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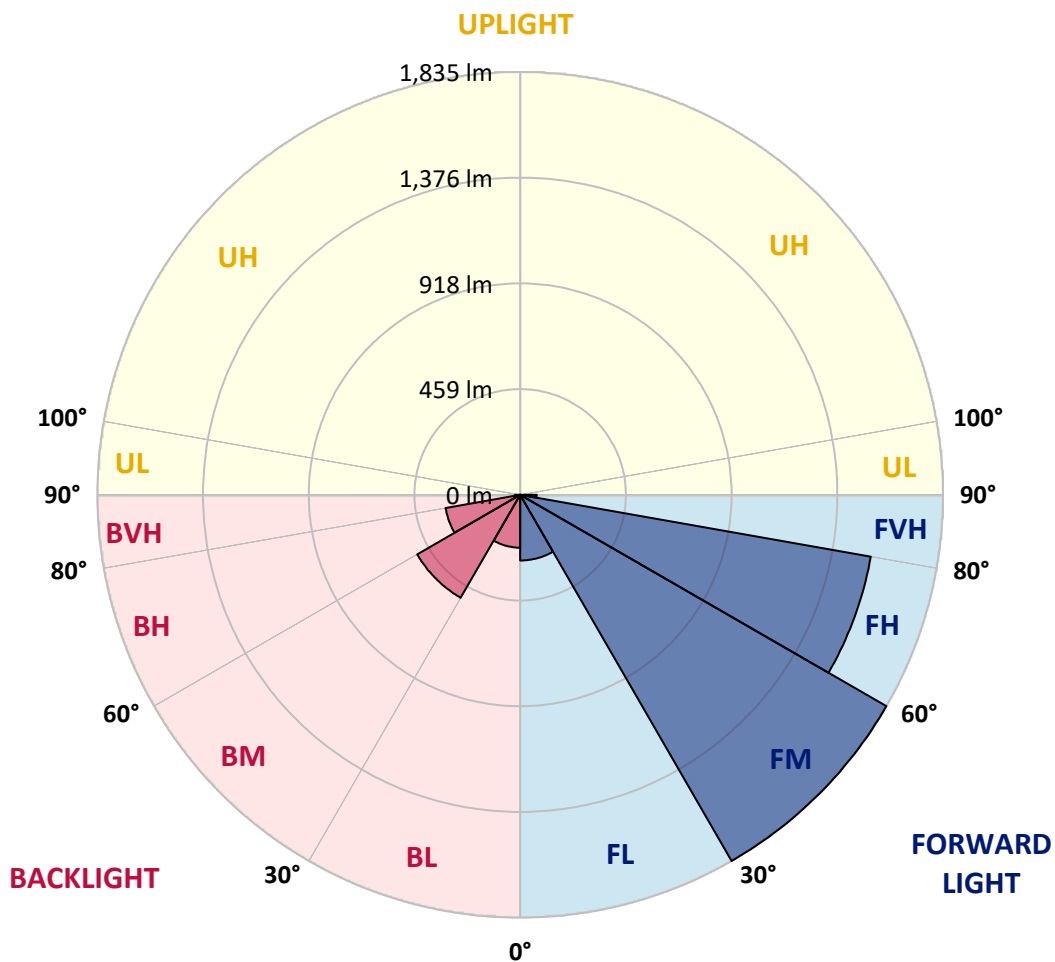
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.1	5.9			
FM	(30°-60°)	1835.1	38.0			
FH	(60°-80°)	1545.3	32.0			G1/1800
FVH	(80°-90°)	71.4	1.5			G1/100
BL	(0°-30°)	229.5	4.7	B1/500		
BM	(30°-60°)	516.1	10.7	B1/1000		
BH	(60°-80°)	329.0	6.8	B1/500		G1/500
BVH	(80°-90°)	22.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	529.3	529.0	530.6	532.0	532.0	532.6	532.3	530.3	530.6	531.3	530.6
5°	535.3	533.9	535.6	537.6	538.9	540.6	542.2	542.5	543.9	543.9	543.5
7.5°	548.1	547.2	549.5	550.1	553.1	555.7	559.0	561.4	562.7	563.3	564.3
10°	570.3	569.6	570.3	571.6	572.9	575.9	581.5	586.5	589.4	589.4	590.7
12.5°	597.0	594.4	595.0	592.4	593.1	599.3	605.9	614.2	619.1	619.8	620.5
15°	617.8	616.5	615.5	611.9	614.5	622.8	633.0	644.9	649.2	652.8	652.5
17.5°	637.3	635.7	633.3	628.4	631.0	644.2	659.8	673.0	680.2	680.9	681.6
20°	660.4	658.4	654.1	643.9	643.2	661.7	682.5	696.7	703.3	706.3	707.3
22.5°	689.8	687.2	679.2	659.4	654.1	675.9	700.7	718.2	725.1	728.1	729.8
25°	727.5	722.2	709.6	678.6	667.7	690.5	720.2	741.3	750.9	753.9	755.9
27.5°	761.5	757.5	742.3	705.7	686.8	710.0	744.0	771.0	784.2	787.9	790.9
30°	801.1	795.5	783.3	744.3	719.2	739.7	782.9	817.3	833.4	833.8	840.4
32.5°	894.2	890.6	879.3	836.4	794.2	795.5	835.8	883.0	899.2	901.8	907.7
35°	1032.2	1030.9	1030.6	1006.8	975.4	943.1	946.1	982.0	992.9	997.2	999.2
37.5°	1123.0	1134.6	1162.7	1179.8	1171.9	1178.8	1142.5	1098.6	1092.3	1087.7	1089.7
40°	1201.3	1211.5	1268.3	1347.6	1395.8	1429.8	1397.8	1263.1	1212.9	1198.3	1192.7
42.5°	1247.5	1259.1	1340.3	1467.1	1590.0	1670.5	1679.1	1491.9	1364.4	1362.8	1341.6
45°	1272.6	1284.2	1381.3	1552.0	1725.7	1871.0	1946.3	1773.6	1586.3	1572.5	1543.1
47.5°	1267.7	1278.6	1379.6	1583.4	1805.9	2004.0	2154.6	2058.2	1842.2	1808.9	1768.3
50°	1207.2	1215.2	1321.2	1532.2	1784.5	2059.5	2297.3	2319.4	2131.8	2086.6	2025.8
52.5°	1144.8	1159.0	1246.9	1441.4	1687.0	2025.2	2382.5	2557.1	2402.3	2371.2	2293.3
55°	1111.2	1122.4	1194.0	1360.1	1584.3	1908.0	2417.8	2781.4	2730.8	2718.3	2663.1
57.5°	1109.8	1120.7	1177.9	1310.9	1500.8	1785.8	2428.0	3127.7	3276.0	3279.3	3263.5
60°	1164.0	1175.2	1223.1	1334.7	1475.0	1681.1	2391.4	3619.1	3946.7	3975.7	4024.3
62.5°	1171.6	1176.9	1234.7	1385.2	1568.8	1602.8	2240.5	4028.2	4407.6	4434.4	4461.1
65°	1048.1	1047.8	1098.9	1237.6	1549.3	1594.9	2013.6	4078.4	4389.2	4405.3	4438.7
67.5°	781.6	775.0	804.1	930.9	1229.4	1596.9	1744.8	3699.7	4047.1	4077.8	4089.0
70°	402.9	413.1	432.9	510.5	780.6	1285.5	1498.8	3121.5	3552.7	3564.3	3604.2
72.5°	165.4	161.1	174.7	214.6	390.6	849.6	1239.9	2463.4	2934.2	2926.3	2933.6
75°	92.1	93.4	97.4	111.9	189.9	426.6	1065.3	1743.8	1995.5	1858.8	1817.5
77.5°	74.0	74.6	75.0	77.6	103.7	227.5	817.6	1148.5	1003.5	931.9	904.4
80°	54.2	57.8	61.7	62.4	71.3	129.1	448.4	966.9	847.0	787.6	738.7
82.5°	43.6	45.2	53.8	55.1	56.8	76.9	203.1	908.1	843.7	782.9	715.6
85°	26.1	29.1	43.9	44.2	44.9	46.9	112.3	369.8	460.0	406.5	372.1
87.5°	9.2	11.9	21.8	18.2	23.1	19.2	49.2	123.8	152.6	145.0	128.5
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):

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	530.3	530.3	531.0	530.6	530.6	530.6	530.6	530.0	530.0	529.0	529.7
5°	543.5	543.2	543.5	543.9	543.5	544.2	543.9	543.5	543.9	543.5	543.9
7.5°	564.7	563.0	565.3	564.0	563.7	565.6	564.7	565.6	566.0	565.6	565.3
10°	591.4	592.4	592.4	592.4	591.7	593.7	594.0	594.7	595.0	596.4	596.4
12.5°	622.1	622.4	623.8	623.4	624.1	626.4	628.1	628.4	628.7	629.7	628.4
15°	655.1	655.8	655.8	658.8	657.8	661.1	662.1	662.1	662.4	666.4	666.7
17.5°	684.5	684.5	687.2	687.2	689.8	690.5	693.4	693.8	695.1	698.7	699.1
20°	709.3	710.6	712.3	714.2	715.2	717.2	719.2	721.2	722.8	725.8	726.1
22.5°	732.7	734.1	736.7	738.0	740.3	741.7	743.3	745.6	748.3	752.2	753.2
25°	759.8	761.1	764.1	766.1	768.7	770.7	773.7	776.7	778.3	782.3	785.2
27.5°	794.2	798.1	802.1	803.1	805.1	809.7	813.6	817.6	821.2	823.2	826.8
30°	844.3	844.3	852.6	852.6	856.2	860.5	863.2	867.5	874.1	876.0	880.7
32.5°	911.7	913.4	916.3	925.2	931.9	933.8	935.8	942.1	946.1	951.0	956.6
35°	1007.8	1009.5	1011.1	1019.7	1027.3	1029.3	1031.2	1035.2	1041.8	1050.4	1047.8
37.5°	1094.0	1095.0	1100.3	1109.8	1114.1	1119.4	1121.1	1128.3	1132.0	1139.9	1140.2
40°	1197.7	1195.4	1198.3	1209.2	1215.8	1215.5	1220.8	1234.0	1236.6	1240.3	1249.5
42.5°	1342.3	1333.7	1343.0	1346.6	1356.5	1362.8	1373.3	1382.3	1388.5	1402.4	1409.0
45°	1529.2	1520.3	1527.9	1529.5	1550.0	1556.3	1572.1	1584.0	1597.6	1613.4	1618.0
47.5°	1742.2	1725.7	1716.4	1726.7	1751.1	1761.3	1776.9	1788.1	1802.3	1810.5	1807.9
50°	1988.9	1949.2	1930.7	1925.5	1943.0	1957.5	1981.6	1986.9	1993.5	1993.1	1993.5
52.5°	2263.9	2222.6	2184.0	2157.3	2154.6	2174.1	2180.0	2181.4	2179.4	2164.5	2155.3
55°	2623.2	2620.2	2579.6	2524.1	2520.5	2518.2	2483.5	2479.2	2471.3	2448.5	2417.1
57.5°	3275.0	3308.0	3281.3	3280.0	3250.9	3231.8	3168.0	3136.3	3103.0	3041.2	2992.0
60°	4028.6	4076.4	4102.9	4114.4	4171.2	4171.2	4119.0	4074.1	4020.0	3925.9	3834.1
62.5°	4482.3	4524.2	4563.2	4624.3	4696.6	4728.6	4731.2	4691.3	4622.9	4515.6	4385.8
65°	4453.5	4484.6	4531.8	4603.8	4663.6	4721.0	4759.6	4747.4	4695.3	4587.9	4446.6
67.5°	4128.3	4173.5	4234.6	4301.0	4356.5	4410.6	4473.0	4477.6	4463.8	4361.7	4234.0
70°	3626.4	3684.5	3723.1	3806.7	3831.8	3886.6	3949.3	3979.4	3956.9	3878.3	3803.4
72.5°	2946.1	2992.0	2998.6	2962.3	2974.9	2988.4	3003.6	2933.3	2906.2	2801.2	2753.0
75°	1786.4	1726.0	1675.2	1624.6	1473.7	1420.2	1338.0	1175.9	1157.4	1046.1	968.8
77.5°	849.6	824.2	778.3	701.4	599.0	500.9	415.7	337.8	308.7	254.3	216.6
80°	711.3	680.9	639.6	582.5	510.8	439.5	372.1	314.4	256.2	208.7	166.8
82.5°	652.5	599.7	541.5	492.3	441.8	393.3	348.0	295.9	265.2	214.0	174.7
85°	329.9	288.9	234.1	197.1	166.4	135.4	117.2	100.1	89.2	71.0	61.7
87.5°	110.6	90.5	67.4	57.1	51.5	44.2	40.6	38.6	37.6	33.4	29.7
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	529.7	529.7	529.7	529.7	529.3	529.3	529.3	529.3	529.3	529.3	529.7
5°	543.2	543.2	543.5	544.5	542.5	543.2	543.9	542.9	543.9	542.9	544.2
7.5°	565.0	566.0	565.3	566.6	566.0	568.0	566.6	565.6	566.3	566.3	566.6
10°	595.7	597.0	596.0	596.7	596.7	598.0	596.4	596.7	597.0	596.4	596.7
12.5°	629.7	630.4	630.0	632.0	631.0	632.0	631.0	632.4	633.0	633.7	633.7
15°	666.7	667.4	669.3	669.0	671.0	670.3	670.7	669.0	672.3	670.3	671.0
17.5°	700.7	700.4	703.0	704.0	704.3	704.7	705.7	704.3	704.7	705.7	705.0
20°	727.1	729.4	730.1	732.7	734.7	735.4	735.0	736.0	737.4	736.0	736.0
22.5°	755.2	758.5	759.5	761.1	763.1	763.4	765.4	766.4	767.1	766.7	767.1
25°	788.9	791.2	793.5	796.8	799.1	799.4	801.1	802.4	802.7	802.4	804.4
27.5°	830.1	833.1	836.1	840.1	842.7	843.4	847.0	847.0	849.0	850.0	850.6
30°	883.3	884.3	891.9	895.9	894.9	899.5	904.4	904.1	906.4	907.1	908.7
32.5°	960.6	960.6	967.2	972.1	977.4	975.8	983.4	982.0	985.7	987.7	986.7
35°	1054.4	1057.7	1062.6	1065.6	1071.2	1074.2	1079.5	1082.4	1084.1	1083.7	1080.1
37.5°	1151.1	1156.4	1158.4	1165.6	1171.3	1176.2	1176.9	1173.6	1174.9	1168.3	1166.3
40°	1261.7	1269.3	1274.0	1284.8	1284.2	1290.5	1291.1	1281.5	1279.9	1271.3	1262.4
42.5°	1416.3	1426.8	1430.5	1438.7	1432.1	1435.1	1418.6	1414.6	1401.4	1387.5	1367.4
45°	1624.6	1619.3	1621.7	1619.3	1601.8	1589.0	1575.4	1555.9	1536.5	1509.7	1481.0
47.5°	1807.9	1810.5	1793.4	1782.5	1754.1	1735.9	1711.1	1677.1	1653.4	1617.4	1579.4
50°	1985.9	1956.5	1932.4	1907.3	1882.2	1848.8	1811.5	1781.5	1746.8	1701.9	1655.3
52.5°	2130.5	2092.5	2063.5	2027.8	1993.8	1956.8	1917.9	1874.3	1828.7	1783.8	1726.3
55°	2386.8	2331.6	2294.3	2231.9	2193.3	2141.4	2111.0	2054.6	1991.2	1931.7	1870.6
57.5°	2936.6	2854.0	2811.4	2776.1	2716.0	2630.8	2576.6	2483.8	2393.4	2330.0	2228.3
60°	3764.7	3680.9	3610.2	3526.6	3434.5	3318.9	3267.4	3158.1	3028.7	2924.0	2789.6
62.5°	4280.8	4164.9	4050.4	3933.1	3840.7	3750.2	3643.5	3533.2	3405.1	3262.8	3115.9
65°	4301.6	4162.6	4025.6	3906.1	3797.7	3680.2	3580.1	3468.2	3333.5	3186.9	3034.3
67.5°	4085.7	3930.2	3783.2	3652.1	3528.3	3419.3	3314.6	3209.3	3065.0	2942.2	2786.0
70°	3655.4	3513.4	3380.4	3231.1	3136.3	3013.8	2911.8	2800.8	2697.5	2582.6	2436.3
72.5°	2684.9	2577.9	2426.1	2362.7	2311.8	2182.0	2106.1	2096.8	2030.8	1893.1	1783.8
75°	998.6	850.0	805.1	831.8	787.2	802.1	796.5	764.8	766.1	742.6	714.9
77.5°	195.5	181.6	170.7	173.7	161.5	156.2	167.4	164.1	158.2	159.8	157.2
80°	133.1	112.6	102.0	98.1	93.1	90.8	90.1	89.2	87.2	86.2	83.2
82.5°	131.1	97.4	76.9	66.0	62.1	60.1	58.4	58.1	57.5	57.1	58.1
85°	52.2	42.3	38.6	35.3	34.3	33.4	33.4	33.0	32.7	33.4	34.7
87.5°	25.4	21.5	19.5	17.8	17.2	16.8	16.8	17.2	17.5	18.8	21.5
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	529.0	529.3	528.7	529.0	528.7	528.0	527.7	528.7	528.3	528.0	528.0
5°	542.5	543.9	543.2	542.5	542.5	542.2	542.2	542.2	541.9	542.2	541.2
7.5°	566.0	565.6	565.6	565.0	564.3	565.0	564.7	563.7	564.0	563.3	562.3
10°	596.0	595.0	596.7	596.7	595.4	595.0	594.4	593.4	593.4	592.4	592.4
12.5°	631.7	630.7	633.0	631.4	629.4	629.0	627.1	626.4	627.4	627.1	626.4
15°	668.0	668.3	669.3	669.0	666.7	666.7	664.1	664.4	662.4	661.7	660.1
17.5°	703.3	703.7	702.7	702.7	701.0	700.0	697.1	697.4	696.1	693.4	691.5
20°	735.0	734.7	732.4	734.4	731.1	730.4	727.8	725.1	725.8	723.2	719.2
22.5°	766.1	765.4	764.8	763.8	762.1	761.5	758.5	758.2	754.9	750.9	747.6
25°	802.1	801.7	800.8	801.1	797.8	798.1	792.8	791.5	789.5	785.2	782.6
27.5°	848.6	848.6	846.0	845.0	844.0	842.7	838.1	834.8	829.8	824.9	819.6
30°	905.8	905.1	904.4	901.8	898.2	896.2	887.9	882.7	876.0	866.8	858.9
32.5°	987.3	981.7	977.1	971.1	965.2	958.9	946.1	937.1	926.6	911.7	899.2
35°	1078.1	1068.6	1063.6	1051.4	1040.2	1027.6	1012.1	993.9	979.4	959.9	939.4
37.5°	1153.1	1145.8	1132.6	1118.8	1102.9	1079.1	1061.6	1042.1	1016.7	995.3	970.5
40°	1245.6	1229.0	1210.2	1187.1	1165.3	1138.6	1114.5	1086.4	1055.4	1024.3	992.0
42.5°	1342.6	1317.2	1286.2	1259.4	1226.4	1191.4	1160.0	1122.1	1082.4	1040.8	997.6
45°	1441.7	1410.3	1369.1	1331.1	1285.2	1241.3	1196.4	1144.5	1090.4	1034.9	980.4
47.5°	1532.5	1486.6	1439.7	1388.5	1335.7	1279.2	1215.5	1147.5	1076.2	1003.2	935.2
50°	1603.8	1546.4	1487.3	1428.2	1363.4	1290.1	1209.9	1121.1	1033.2	945.7	867.5
52.5°	1666.9	1602.5	1529.9	1456.6	1376.6	1286.5	1186.1	1081.4	974.4	877.7	789.9
55°	1789.1	1708.2	1612.4	1518.0	1416.9	1303.3	1178.2	1050.1	926.9	821.6	728.1
57.5°	2120.9	2011.6	1863.4	1732.3	1604.2	1438.7	1262.4	1104.6	947.7	823.2	719.2
60°	2643.7	2465.7	2295.9	2096.2	1888.8	1661.9	1425.5	1212.9	1021.7	865.5	740.3
62.5°	2946.8	2758.9	2540.6	2298.6	2029.8	1753.4	1482.0	1233.7	1024.0	853.9	715.2
65°	2864.9	2676.0	2436.0	2188.3	1902.3	1619.7	1350.2	1111.8	908.4	751.2	618.5
67.5°	2621.9	2424.4	2198.9	1924.1	1650.7	1388.9	1143.2	918.6	738.7	592.1	474.8
70°	2268.2	2092.5	1875.3	1622.0	1356.8	1121.4	914.4	711.9	559.7	425.3	332.9
72.5°	1683.4	1527.9	1392.2	1180.5	986.3	801.7	633.0	495.3	364.2	275.4	212.0
75°	706.6	654.1	632.0	554.4	482.1	395.3	297.5	237.1	192.2	163.5	129.8
77.5°	171.4	171.4	161.1	150.9	138.7	125.5	111.0	99.1	93.1	87.8	83.5
80°	83.2	82.6	79.9	79.6	77.3	74.3	72.6	70.3	69.3	68.0	67.4
82.5°	58.4	58.1	57.1	58.4	58.1	59.4	60.1	60.4	60.4	60.8	61.1
85°	37.0	38.3	40.9	44.2	47.2	50.9	54.2	56.8	58.8	60.4	61.7
87.5°	23.4	26.7	28.7	33.7	38.6	44.2	50.5	53.2	55.5	55.8	53.8
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4	525.4
2.5°	528.0	527.7	528.3	527.7	527.7	527.3	526.4	525.4	524.4	524.0	523.1
5°	540.9	540.9	541.5	540.2	540.6	539.2	536.3	533.0	530.0	527.3	524.4
7.5°	562.7	561.7	562.0	561.7	561.0	558.4	551.8	543.5	535.6	527.3	520.7
10°	591.7	589.8	589.8	589.1	588.1	584.5	570.6	554.1	537.6	522.7	511.8
12.5°	624.1	624.4	621.8	620.1	618.5	610.9	590.1	563.7	537.6	513.8	496.3
15°	657.8	657.4	654.5	653.5	649.9	638.6	607.3	568.6	531.3	496.3	470.2
17.5°	688.2	686.8	683.9	681.9	677.9	663.1	618.8	566.3	514.8	468.9	436.2
20°	715.9	714.2	711.6	708.0	704.0	682.5	623.1	554.4	488.7	436.2	403.2
22.5°	744.6	741.0	738.0	733.1	728.8	700.0	620.1	533.3	459.0	399.9	364.6
25°	776.7	772.4	766.1	760.1	753.5	714.2	611.9	506.9	423.3	360.6	324.9
27.5°	811.3	805.1	796.8	789.2	778.6	724.8	597.7	477.5	384.4	321.6	284.6
30°	848.0	836.4	826.2	814.6	801.1	729.8	577.2	441.2	341.4	282.0	245.0
32.5°	883.6	868.1	852.9	836.1	817.6	727.8	548.1	398.2	298.5	245.0	214.0
35°	920.0	897.5	876.4	853.6	831.1	717.9	508.2	350.7	257.9	214.3	191.9
37.5°	944.7	916.7	888.6	861.2	834.1	696.4	455.0	297.5	221.2	192.2	176.0
40°	957.3	922.9	888.6	854.6	821.2	660.8	392.9	249.0	195.2	175.7	164.1
42.5°	953.6	911.0	868.5	828.2	787.2	604.0	325.6	209.0	177.0	162.8	152.6
45°	923.6	872.7	824.2	781.6	730.4	531.0	267.5	184.3	163.1	152.2	142.7
47.5°	867.1	810.3	750.9	702.7	654.8	446.4	222.6	168.7	150.9	142.0	132.4
50°	795.1	729.4	670.0	617.8	570.9	367.5	191.9	155.5	141.0	133.4	123.2
52.5°	715.9	645.2	591.1	536.3	490.4	306.8	170.4	141.0	131.4	123.5	115.2
55°	650.2	584.8	529.7	474.5	428.3	268.5	152.6	129.8	122.5	114.3	107.6
57.5°	632.7	558.1	498.0	445.8	398.2	245.0	139.7	119.5	114.6	108.3	101.0
60°	639.9	557.7	490.4	433.2	383.4	226.2	130.1	112.6	108.6	103.0	95.4
62.5°	613.9	527.0	459.0	398.2	351.0	202.4	123.2	109.3	106.7	99.1	90.5
65°	523.1	443.5	378.1	325.6	285.0	170.4	117.6	112.3	109.6	96.4	87.2
67.5°	398.2	331.9	279.4	240.1	210.7	141.0	116.2	122.2	116.9	97.7	86.2
70°	275.4	225.2	191.5	167.7	149.3	118.9	120.5	133.1	125.5	102.0	91.8
72.5°	174.7	146.0	129.4	120.5	111.6	100.4	119.5	131.8	121.5	102.7	91.8
75°	111.9	100.1	94.4	91.1	88.5	87.5	105.3	108.3	97.7	89.2	85.5
77.5°	79.3	77.3	76.3	75.9	76.3	78.6	87.2	81.6	71.0	71.3	73.3
80°	67.0	67.0	66.4	66.7	67.4	68.4	69.7	60.1	54.5	58.8	65.4
82.5°	61.4	62.4	63.1	63.7	64.7	63.4	59.1	45.6	43.9	57.1	64.1
85°	62.4	62.4	62.7	63.4	63.7	57.1	49.2	34.3	33.7	64.1	60.4
87.5°	53.5	52.8	50.5	48.9	46.6	39.3	32.7	19.2	19.8	39.6	42.3
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):

	175°	180°
0°	525.4	525.4
2.5°	522.7	522.7
5°	522.7	522.7
7.5°	518.4	517.1
10°	505.9	504.2
12.5°	486.7	485.1
15°	457.3	455.4
17.5°	420.7	417.4
20°	382.4	377.8
22.5°	344.1	340.4
25°	304.8	301.5
27.5°	266.1	262.8
30°	230.5	229.2
32.5°	204.1	202.7
35°	184.6	183.9
37.5°	171.4	170.7
40°	159.8	159.2
42.5°	149.3	148.3
45°	138.7	139.0
47.5°	128.1	127.8
50°	118.9	118.9
52.5°	111.3	111.0
55°	104.3	104.0
57.5°	97.4	97.1
60°	91.5	90.5
62.5°	85.9	85.2
65°	82.2	81.9
67.5°	79.6	78.6
70°	78.9	76.3
72.5°	76.9	73.6
75°	72.3	70.7
77.5°	63.7	61.7
80°	49.2	45.6
82.5°	41.3	35.7
85°	30.4	28.1
87.5°	22.1	17.5
90°	0.0	0.0

(END OF REPORT)