

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: P157035

Luminaire Tested: **UTLD-F01-LED-E-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157035
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33668)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-SL2
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2184.2 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



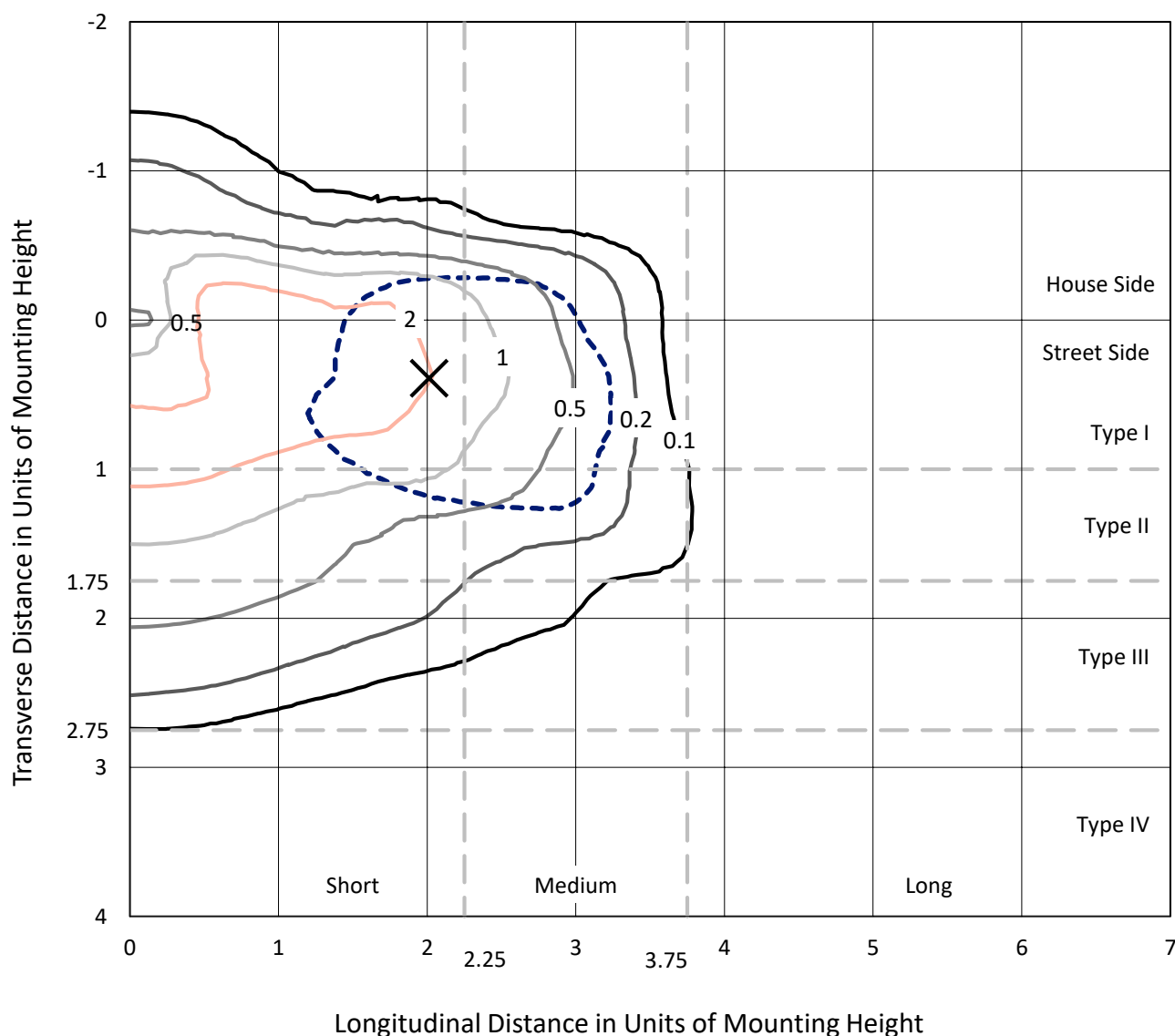
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

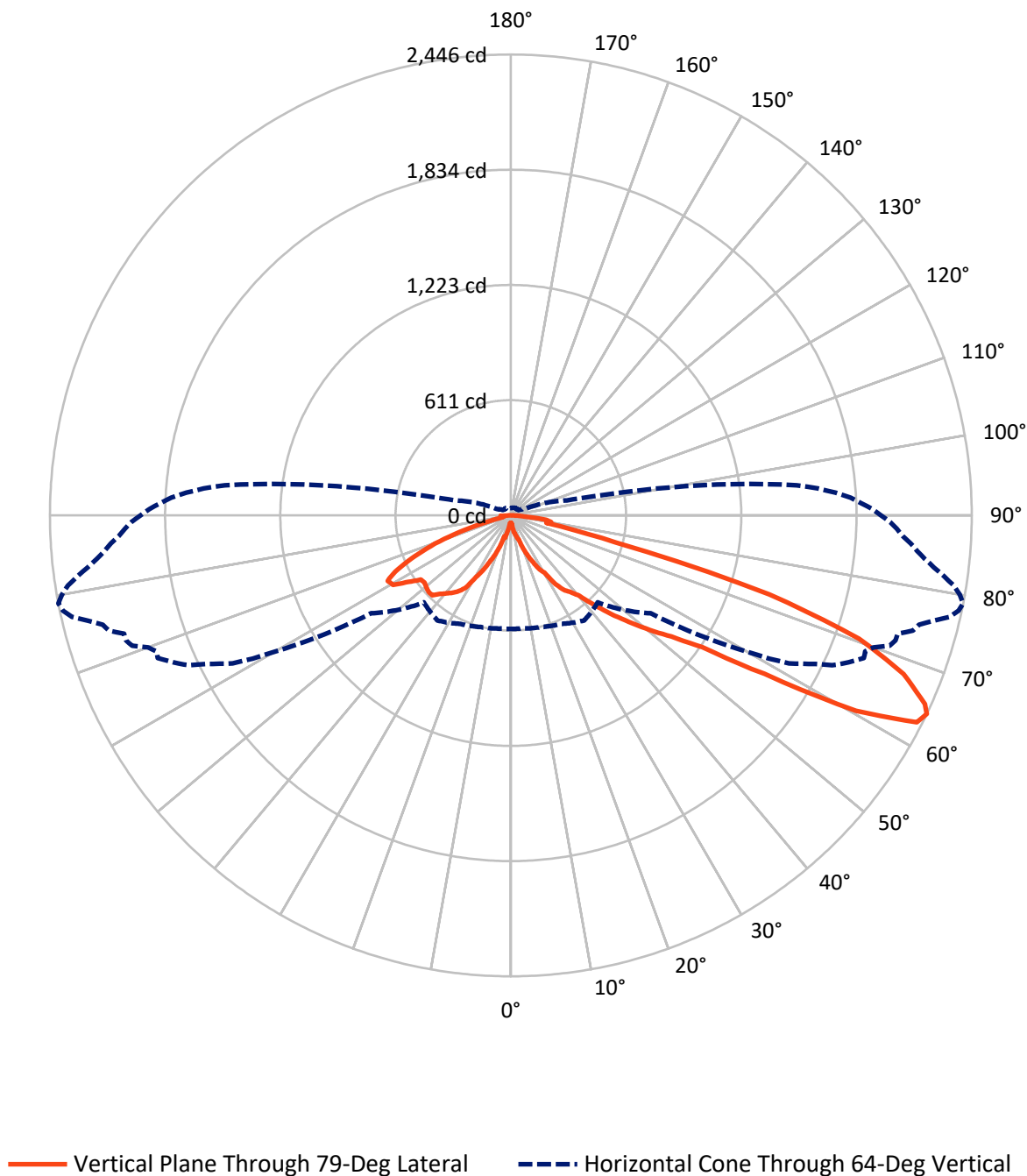


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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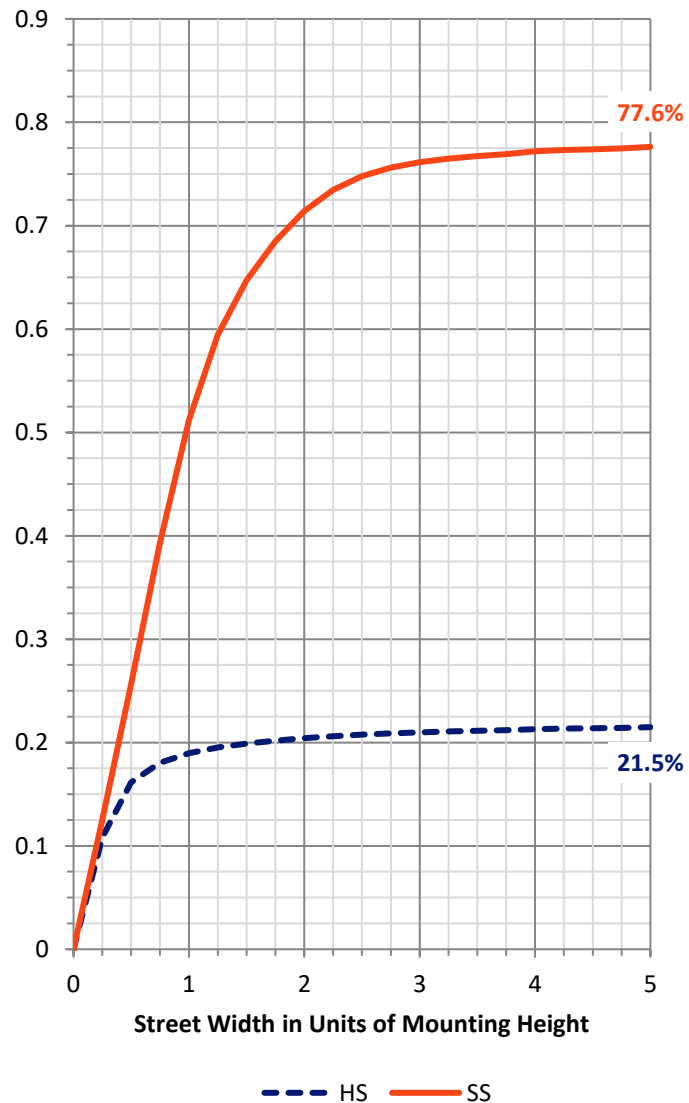
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.8	0.0	479.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	1704.3	0.0	1704.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	2184.2	0.0	2184.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.3
10°-20°	31.9	1.5
20°-30°	93.4	4.3
30°-40°	204.1	9.3
40°-50°	371.2	17.0
50°-60°	518.4	23.7
60°-70°	651.8	29.8
70°-80°	252.7	11.6
80°-90°	55.2	2.5
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°	2184.2	100.0
0°-180°	2184.2	100.0

Coefficient of Utilization



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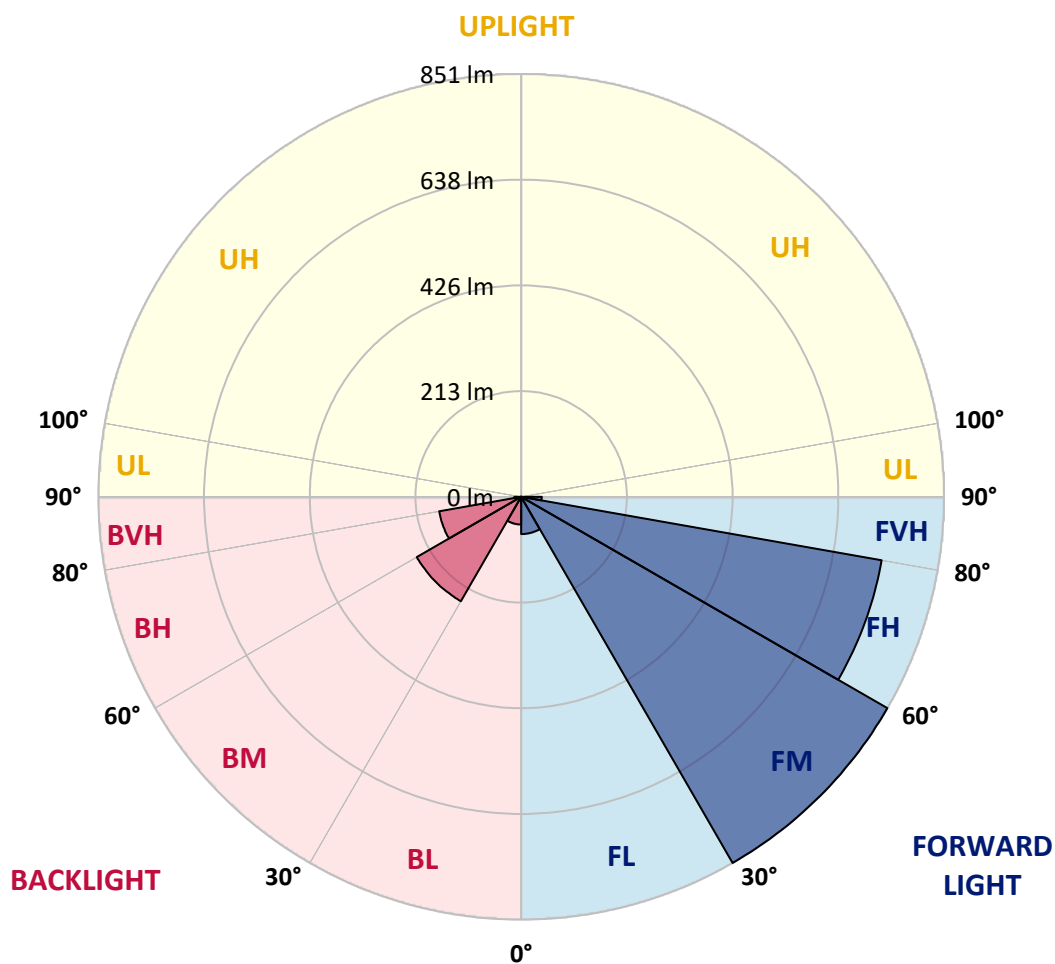
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.0	3.4			
FM	(30°-60°)	851.1	39.0			
FH	(60°-80°)	736.8	33.7			G1/1800
FVH	(80°-90°)	41.4	1.9			G1/100
BL	(0°-30°)	55.7	2.6	B0/110		
BM	(30°-60°)	242.6	11.1	B1/1000		
BH	(60°-80°)	167.7	7.7	B1/500		G1/500
BVH	(80°-90°)	13.8	0.6			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°	60°	61°	62°	64°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	64.0	63.6	64.4	64.4	64.4	63.6	57.0	48.7	48.3	47.1	45.8
5°	52.8	52.8	52.8	53.2	53.7	54.5	57.8	61.9	64.0	64.4	64.8
7.5°	77.2	78.0	78.0	78.0	64.8	55.7	55.3	56.1	55.3	54.5	53.2
10°	79.3	79.7	79.7	80.5	80.9	79.7	68.1	77.2	77.2	77.6	78.0
12.5°	108.6	109.4	109.0	105.3	85.9	105.3	110.2	103.2	96.2	88.7	84.2
15°	115.2	116.8	113.5	110.2	131.3	123.4	116.4	134.1	134.1	135.4	139.1
17.5°	148.6	149.0	146.5	142.4	136.2	139.5	142.4	142.0	144.5	146.5	145.3
20°	178.3	174.6	153.5	164.7	162.6	161.4	161.8	176.2	177.5	178.3	182.0
22.5°	188.2	188.2	179.6	188.6	180.0	182.0	198.5	217.9	217.1	213.8	208.9
25°	229.5	230.3	210.5	195.2	199.4	204.3	214.2	243.9	240.2	244.4	246.4
27.5°	248.1	249.7	232.0	227.8	207.6	229.9	265.0	273.2	276.1	281.1	281.1
30°	298.0	298.8	287.3	254.7	247.7	250.5	286.5	298.4	302.6	307.9	328.1
32.5°	373.6	374.0	346.3	292.2	278.6	289.3	331.9	345.5	353.3	345.9	354.6
35°	494.1	490.4	438.8	395.0	361.2	334.3	376.4	424.3	419.4	420.6	424.7
37.5°	574.2	579.1	563.0	513.1	489.5	452.4	477.6	483.8	474.3	481.7	484.2
40°	637.7	644.7	638.1	613.4	590.7	574.2	604.7	583.2	569.6	570.9	561.4
42.5°	661.7	669.5	676.1	690.6	684.8	702.5	745.0	714.1	711.6	699.6	676.5
45°	678.2	685.6	707.1	736.0	745.0	791.7	865.2	852.8	861.8	835.8	821.8
47.5°	681.5	688.5	712.8	758.2	783.4	851.1	964.6	977.0	984.0	970.0	966.7
50°	652.6	658.4	684.4	738.4	775.2	877.1	1030.7	1076.1	1082.3	1086.0	1088.9
52.5°	607.6	614.6	639.0	684.8	731.4	865.2	1066.6	1154.1	1161.5	1177.6	1197.0
55°	589.8	595.6	610.9	648.0	683.5	816.0	1084.7	1220.1	1232.1	1260.2	1293.6
57.5°	587.4	593.1	606.8	619.1	658.4	758.7	1092.6	1294.8	1332.0	1377.4	1431.5
60°	608.8	611.3	617.5	617.9	636.1	714.9	1068.6	1386.9	1461.2	1527.6	1612.7
62.5°	623.3	625.3	634.8	652.2	647.2	671.2	987.7	1446.7	1557.4	1655.6	1765.8
64°	602.2	602.2	613.4	634.8	679.8	652.6	905.6	1444.7	1566.0	1671.3	1796.8
65°	578.3	577.9	588.2	605.5	674.5	649.7	846.2	1410.0	1535.5	1641.1	1776.9
67.5°	469.7	453.6	463.1	485.0	568.8	656.3	698.4	1186.3	1315.1	1442.6	1599.0
70°	243.1	251.8	256.7	293.1	393.4	564.7	586.1	838.3	984.9	1112.0	1327.9
72.5°	102.8	96.2	108.1	133.7	206.8	400.0	539.1	582.4	658.8	759.9	989.0
75°	55.7	56.1	58.6	66.5	107.7	220.8	497.0	513.1	520.1	536.6	658.8
77.5°	41.3	41.3	42.5	42.5	56.1	114.7	396.3	485.0	486.2	475.5	503.6
80°	31.0	32.6	34.7	33.0	35.1	65.2	232.0	440.4	459.0	462.7	485.8
82.5°	25.6	26.4	31.0	29.7	27.7	39.2	109.0	333.5	385.5	416.1	473.0
85°	17.3	18.6	28.1	27.2	25.2	26.4	63.2	108.1	130.4	150.7	191.9
87.5°	7.0	9.1	18.2	16.5	17.3	14.9	38.8	57.0	62.7	71.4	88.7
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	45.0	44.2	43.8	42.9	42.5	42.1	42.5	41.7	41.3	41.7	40.9
5°	64.4	64.4	64.0	63.2	62.7	61.9	61.5	58.2	54.5	52.4	49.1
7.5°	53.7	53.7	54.5	56.5	58.6	60.7	61.9	62.3	61.9	62.3	62.3
10°	78.0	79.3	79.3	80.1	80.1	80.5	80.9	81.7	82.6	87.5	91.2
12.5°	83.8	84.2	84.2	84.6	86.3	87.9	87.9	89.2	88.3	87.9	87.1
15°	137.0	135.0	125.5	124.2	123.8	122.6	119.3	118.1	118.1	118.9	118.5
17.5°	146.5	147.8	146.1	144.1	142.0	137.4	129.6	130.4	129.6	130.4	132.1
20°	183.3	179.6	182.0	191.1	197.3	199.4	201.4	202.7	198.5	192.3	191.5
22.5°	206.8	204.7	209.7	211.3	211.7	215.9	216.7	219.6	230.7	228.7	230.7
25°	246.8	268.3	268.7	269.9	272.0	274.5	272.8	276.6	275.7	279.0	279.0
27.5°	287.3	285.6	287.3	288.9	286.9	285.6	289.8	289.8	297.6	293.1	293.9
30°	326.1	327.3	331.0	334.3	336.8	335.6	336.0	341.8	337.6	340.9	345.9
32.5°	353.3	358.3	367.4	369.8	393.4	389.6	400.0	404.9	409.0	415.7	421.8
35°	431.3	435.1	440.0	440.0	437.5	443.7	448.3	451.6	455.7	466.0	462.7
37.5°	485.4	485.8	487.5	476.7	483.8	486.6	486.6	493.7	501.1	501.5	494.1
40°	557.2	547.3	543.2	533.7	542.4	530.4	539.5	537.8	543.2	536.6	540.7
42.5°	665.8	650.9	627.8	624.5	617.1	610.5	602.6	609.2	597.7	602.6	615.4
45°	803.6	764.0	753.7	743.0	712.4	707.5	703.8	688.5	673.6	689.7	711.6
47.5°	947.7	903.9	889.9	869.7	849.5	823.5	808.2	776.4	769.0	789.2	803.6
50°	1069.1	1035.6	1038.1	1009.6	984.4	967.5	925.4	893.6	892.0	899.0	892.0
52.5°	1175.5	1168.5	1169.8	1152.0	1135.1	1114.0	1063.3	1044.3	1031.5	1020.8	992.3
55°	1281.6	1304.7	1302.7	1316.3	1312.6	1297.3	1261.4	1265.5	1260.6	1225.5	1197.0
57.5°	1457.1	1492.5	1514.8	1534.7	1576.8	1572.2	1565.2	1628.3	1625.9	1592.4	1605.6
60°	1686.5	1724.9	1781.5	1832.3	1879.3	1892.1	1932.1	2018.8	2011.4	2015.1	2058.9
62.5°	1859.9	1908.2	1968.5	2027.9	2027.1	2060.5	2141.0	2184.8	2176.5	2235.9	2270.6
64°	1881.0	1932.1	1975.9	2020.5	2014.3	2048.1	2124.9	2146.0	2146.4	2218.6	2242.1
65°	1850.0	1904.5	1936.3	1975.5	1968.1	2005.2	2081.6	2080.7	2092.7	2166.2	2186.8
67.5°	1660.1	1734.0	1760.0	1774.5	1782.7	1838.4	1880.1	1862.8	1914.4	1944.5	1994.5
70°	1400.1	1482.6	1528.0	1534.2	1563.1	1619.3	1649.8	1617.2	1680.8	1660.5	1747.6
72.5°	1104.1	1181.3	1249.4	1256.9	1306.0	1334.9	1332.0	1332.4	1342.3	1310.5	1383.2
75°	766.9	825.9	877.9	884.5	910.6	885.0	866.0	828.4	785.1	748.3	743.8
77.5°	522.1	541.5	536.6	517.2	496.1	462.7	436.3	428.9	401.2	389.6	365.7
80°	483.8	490.4	480.9	479.6	463.9	426.8	407.8	376.4	372.3	358.7	341.8
82.5°	483.8	487.1	488.7	498.2	477.2	448.7	416.1	369.4	353.3	317.0	295.1
85°	229.5	243.5	267.1	287.7	286.9	279.0	243.1	224.1	190.3	163.0	138.3
87.5°	102.4	113.9	127.1	132.1	136.6	132.1	119.7	108.1	88.7	69.3	57.4
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):

	76°	77°	78°	79°	80°	81°	82°	83°	84°	85°	86°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	40.9	40.9	40.9	40.9	40.5	40.5	40.5	40.5	40.5	40.0	40.0
5°	45.8	45.0	43.3	43.3	42.5	42.1	42.1	41.7	41.7	41.3	41.3
7.5°	61.9	61.5	60.3	55.3	47.9	45.0	42.5	42.5	42.1	42.5	43.3
10°	92.9	92.9	92.0	90.8	90.4	88.7	80.5	73.5	68.9	68.1	67.3
12.5°	88.3	90.4	95.8	98.7	98.7	98.2	97.4	94.9	83.4	76.4	74.7
15°	118.9	119.7	120.1	121.8	126.7	127.5	126.7	127.5	126.7	118.9	108.1
17.5°	133.7	130.8	130.8	132.1	137.0	134.6	139.5	154.4	157.3	144.9	146.1
20°	189.9	189.9	190.7	187.8	189.9	193.6	194.0	195.6	199.0	198.1	193.2
22.5°	225.4	222.5	229.5	232.8	234.0	233.6	233.2	232.4	234.0	236.5	234.4
25°	274.1	276.6	277.0	275.3	271.6	269.9	272.8	275.7	284.4	289.8	286.0
27.5°	303.0	310.4	329.4	325.3	322.8	325.7	327.7	334.8	331.9	329.8	335.6
30°	352.9	351.7	347.5	351.3	356.2	362.4	360.8	355.8	353.3	359.1	357.5
32.5°	419.8	414.8	422.7	433.8	441.7	435.1	430.5	436.3	436.3	430.1	437.1
35°	456.9	466.0	478.0	485.4	480.0	480.0	484.6	481.7	483.8	490.8	494.9
37.5°	501.9	516.8	524.2	516.8	518.4	528.3	528.7	532.9	537.0	544.8	556.4
40°	559.3	566.7	561.4	560.9	573.3	576.6	584.1	598.5	604.7	615.8	620.8
42.5°	630.3	632.4	633.2	648.0	650.1	653.8	672.8	686.0	702.1	706.6	700.5
45°	718.2	717.0	735.5	745.9	748.3	774.3	781.8	791.7	802.4	792.9	808.6
47.5°	798.3	818.5	842.4	843.3	864.3	881.2	887.9	896.9	888.3	898.2	886.6
50°	892.8	929.1	925.4	955.5	972.1	975.4	989.0	975.8	977.4	967.9	964.6
52.5°	1010.9	1026.1	1024.5	1066.6	1069.5	1081.0	1071.1	1063.3	1062.0	1049.7	1040.6
55°	1216.0	1195.8	1217.2	1232.9	1241.2	1245.7	1214.3	1228.0	1196.6	1196.2	1174.7
57.5°	1594.1	1590.4	1604.0	1586.7	1608.9	1573.9	1571.8	1544.1	1524.7	1524.3	1511.9
60°	2049.4	2107.2	2120.4	2103.9	2061.3	2044.8	2018.0	1994.5	1960.2	1963.1	1937.5
62.5°	2306.1	2385.8	2406.8	2417.5	2362.7	2337.9	2276.4	2237.2	2184.3	2167.4	2126.1
64°	2310.6	2390.3	2429.1	2445.6	2418.0	2379.2	2321.0	2261.9	2208.3	2164.1	2126.6
65°	2276.4	2344.9	2397.7	2414.2	2412.2	2361.0	2312.7	2243.0	2193.4	2132.3	2093.9
67.5°	2091.9	2152.6	2221.5	2248.7	2276.8	2259.0	2217.8	2150.1	2090.6	2017.2	1963.5
70°	1806.2	1859.1	1920.6	1960.2	1990.8	2005.6	1970.1	1918.1	1873.1	1786.8	1723.7
72.5°	1410.8	1419.5	1431.9	1433.5	1421.6	1415.8	1384.0	1387.7	1305.2	1252.7	1216.4
75°	700.9	672.0	601.8	575.8	516.4	481.3	440.8	424.7	382.6	370.7	338.5
77.5°	321.1	281.1	232.0	193.2	161.4	139.5	118.9	104.4	92.5	87.9	81.3
80°	314.5	282.7	244.8	216.3	182.9	152.7	124.2	97.4	78.4	66.9	59.4
82.5°	267.9	230.7	205.1	188.2	167.2	146.1	119.7	96.6	74.3	57.4	46.6
85°	109.8	89.6	75.9	68.9	61.5	54.1	46.6	40.0	35.9	30.5	27.7
87.5°	47.1	41.3	38.0	37.6	35.9	34.7	33.4	31.8	28.1	26.0	23.5
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):

	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°	97°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
5°	41.3	41.3	40.9	40.9	40.9	40.9	41.3	40.9	40.9	40.9	40.9
7.5°	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.2	43.8	43.8	44.2
10°	66.9	66.5	64.8	64.4	63.6	63.6	63.6	64.0	65.6	66.5	67.3
12.5°	73.1	73.9	74.7	73.1	73.9	71.8	73.1	73.9	73.5	73.9	73.1
15°	109.0	109.0	108.6	108.1	106.9	105.7	105.3	105.3	104.4	103.6	104.4
17.5°	144.5	144.5	142.4	140.8	140.8	132.1	138.3	136.2	137.4	131.7	147.4
20°	181.2	180.4	181.6	184.5	185.7	183.7	180.8	177.5	176.7	182.0	188.6
22.5°	234.0	232.4	227.8	222.1	221.2	220.8	226.2	226.2	226.6	229.1	233.2
25°	280.3	271.2	267.5	271.6	272.8	267.1	267.1	269.1	280.3	284.4	284.8
27.5°	336.8	333.9	331.4	326.5	324.4	332.7	337.2	332.3	330.6	336.8	336.8
30°	359.9	366.5	366.1	371.1	374.8	364.5	359.1	372.3	371.1	361.6	366.9
32.5°	444.5	447.8	452.4	458.6	454.0	460.6	453.6	448.3	456.9	455.3	449.1
35°	494.5	503.6	503.6	504.0	516.4	513.9	511.0	509.3	502.7	507.3	510.2
37.5°	555.6	549.8	554.8	560.9	563.4	566.3	567.1	569.2	560.5	554.8	546.5
40°	615.4	622.4	616.3	617.9	622.9	622.0	625.3	629.9	617.5	608.8	597.3
42.5°	705.4	702.9	701.3	698.8	693.0	698.8	693.0	679.8	682.7	669.9	653.4
45°	799.9	795.0	795.4	787.6	781.8	766.1	761.5	757.8	742.1	732.7	706.6
47.5°	887.4	883.7	870.5	873.4	855.7	837.1	825.5	819.7	798.3	772.7	757.0
50°	962.6	952.7	953.1	934.1	921.3	906.8	888.7	866.4	842.9	818.9	785.1
52.5°	1030.7	1029.8	1017.9	1004.7	985.7	977.8	946.9	915.1	886.6	858.1	820.2
55°	1188.8	1174.3	1149.1	1142.5	1133.4	1086.0	1062.9	1024.1	979.9	945.2	894.5
57.5°	1515.7	1496.7	1467.0	1464.1	1408.3	1370.4	1317.1	1271.7	1211.5	1152.4	1077.7
60°	1905.7	1877.7	1879.7	1836.8	1789.3	1743.9	1677.5	1613.1	1529.7	1428.6	1303.5
62.5°	2089.0	2061.7	2038.2	1989.5	1939.2	1889.2	1834.3	1748.0	1667.6	1549.5	1394.3
64°	2082.8	2049.4	2013.5	1964.3	1918.9	1860.7	1805.0	1726.6	1635.8	1526.4	1362.5
65°	2052.7	2015.5	1969.3	1922.2	1867.8	1813.7	1758.8	1687.8	1587.5	1481.4	1316.3
67.5°	1910.7	1862.8	1813.3	1767.9	1710.5	1656.8	1607.7	1543.7	1439.7	1325.8	1177.6
70°	1677.1	1618.0	1563.5	1534.2	1492.5	1444.7	1385.2	1331.6	1235.4	1122.3	987.7
72.5°	1151.6	1083.5	1045.5	1057.9	1016.2	1001.4	987.3	945.2	861.0	779.7	693.4
75°	360.3	333.1	314.9	337.2	322.0	346.7	338.9	331.4	309.2	299.7	269.5
77.5°	81.7	78.0	76.4	75.5	75.9	75.5	74.3	73.9	72.6	73.5	71.4
80°	56.5	54.1	53.2	52.0	51.2	49.9	48.7	48.3	47.9	47.1	46.6
82.5°	40.9	37.6	37.1	36.3	35.9	35.1	34.7	35.5	35.1	36.3	36.3
85°	26.4	24.8	23.9	24.4	23.9	24.8	25.2	26.0	27.2	28.5	30.5
87.5°	21.9	20.6	20.6	21.1	21.9	22.7	24.8	27.2	29.3	32.6	36.3
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):

	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°	135°
0°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
2.5°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.9	41.3	43.3
5°	40.9	41.3	40.9	41.3	41.3	41.3	41.7	41.7	52.4	63.6	44.6
7.5°	43.8	44.2	43.8	43.3	42.9	42.5	44.6	46.6	58.6	41.7	40.9
10°	67.7	68.1	68.5	72.6	78.8	87.5	89.2	89.2	64.8	56.5	63.6
12.5°	73.1	75.9	88.3	92.9	92.9	92.9	92.0	87.1	68.5	89.6	89.2
15°	111.9	120.9	121.4	121.8	121.4	113.5	106.1	104.0	106.9	96.2	91.6
17.5°	143.2	126.7	138.3	115.6	109.0	110.6	112.3	114.7	130.4	121.8	112.7
20°	191.9	192.3	180.8	176.7	173.8	173.4	174.2	175.8	165.9	136.6	125.9
22.5°	229.1	222.9	225.0	227.8	225.4	219.6	217.1	214.2	196.5	180.4	132.9
25°	275.3	274.1	271.2	270.8	277.0	280.7	277.8	273.7	245.6	181.2	142.0
27.5°	336.0	338.5	337.6	329.0	324.8	330.6	324.8	312.5	275.3	225.0	146.5
30°	367.4	373.1	376.0	375.6	365.7	365.7	362.8	371.1	303.0	219.2	150.2
32.5°	452.4	452.8	451.6	452.0	450.3	436.3	421.8	414.0	298.8	224.1	143.2
35°	499.0	495.3	496.1	487.9	478.0	467.7	452.4	433.4	319.9	205.6	126.3
37.5°	549.4	535.8	521.3	514.3	499.9	487.5	475.9	453.2	309.6	190.3	108.1
40°	584.5	580.3	553.1	535.4	525.4	506.0	486.2	471.8	290.2	158.1	91.6
42.5°	626.2	608.4	595.6	560.9	538.7	523.4	495.3	468.9	259.6	128.0	79.7
45°	678.2	643.9	616.3	594.0	547.3	518.4	492.0	460.2	220.8	104.4	72.2
47.5°	719.9	682.7	635.2	596.0	557.6	500.7	470.5	433.8	184.1	90.0	67.3
50°	755.4	702.9	649.3	588.6	539.1	480.0	431.7	402.4	151.9	78.4	61.5
52.5°	776.8	718.6	652.6	579.9	510.2	455.7	402.4	360.8	127.5	70.2	55.7
55°	822.6	758.2	673.2	586.1	502.3	435.9	387.2	336.0	113.1	62.7	51.2
57.5°	977.0	867.6	762.0	646.4	544.4	459.0	400.4	345.1	105.3	57.4	47.5
60°	1173.1	1024.5	873.8	725.2	599.3	496.6	416.5	358.7	97.0	54.1	45.4
62.5°	1236.6	1064.5	891.6	739.7	595.6	485.4	402.4	338.9	85.0	51.6	45.0
64°	1193.7	1019.9	852.4	698.0	561.4	452.4	372.3	307.1	76.8	50.8	46.6
65°	1144.6	973.3	815.6	665.0	531.6	423.5	344.7	284.0	71.4	50.4	48.3
67.5°	1002.6	844.5	693.0	551.9	435.9	342.6	267.1	213.4	59.9	51.6	54.1
70°	842.0	681.9	555.6	430.1	331.0	251.8	189.0	146.1	52.0	54.9	58.6
72.5°	597.3	464.4	382.6	288.9	218.4	159.3	120.5	92.0	45.8	53.2	54.5
75°	236.5	198.1	158.5	123.4	100.7	82.6	69.3	56.5	41.3	47.5	42.9
77.5°	66.5	62.3	57.8	52.0	48.7	45.8	42.9	40.9	37.1	40.0	32.2
80°	44.6	42.9	41.7	40.5	39.6	38.4	37.6	37.1	34.3	33.4	23.9
82.5°	35.9	35.9	36.3	36.3	36.7	37.1	37.1	37.1	33.4	29.7	19.8
85°	32.6	34.7	37.1	40.0	42.1	42.9	43.3	42.5	31.8	25.6	15.7
87.5°	40.5	45.0	49.5	53.7	54.5	56.1	53.7	52.4	25.6	20.6	9.9
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):

	145°	155°	165°	175°	180°
0°	40.0	40.0	40.0	40.0	40.0
2.5°	48.3	61.5	64.4	64.4	63.2
5°	41.3	40.9	39.6	39.6	39.6
7.5°	41.3	55.7	62.7	64.0	63.2
10°	63.2	65.2	64.8	63.6	63.2
12.5°	65.6	71.4	84.2	83.0	83.4
15°	107.3	81.3	80.1	77.6	77.6
17.5°	102.4	87.5	91.6	90.0	90.0
20°	113.1	102.0	86.3	85.9	83.8
22.5°	117.2	107.3	93.7	90.0	90.0
25°	120.5	99.1	86.7	92.0	92.0
27.5°	111.0	99.9	84.2	80.5	80.1
30°	113.5	90.4	83.8	79.3	78.8
32.5°	103.6	83.4	75.5	78.4	78.4
35°	92.5	78.8	73.9	74.7	74.7
37.5°	83.4	73.9	74.3	75.5	75.5
40°	75.1	71.4	75.1	76.8	76.4
42.5°	69.8	68.5	70.2	71.8	71.4
45°	64.8	64.0	65.6	66.5	66.0
47.5°	60.7	60.7	61.1	61.5	61.5
50°	56.5	57.4	57.4	57.4	57.0
52.5°	52.8	52.8	53.7	53.2	53.2
55°	49.1	49.5	50.8	49.9	49.5
57.5°	45.8	47.5	47.5	46.6	46.2
60°	44.2	45.8	45.0	43.3	42.9
62.5°	45.0	44.6	42.9	40.9	40.5
64°	46.2	44.6	42.1	39.6	39.6
65°	47.5	44.6	41.7	38.8	38.8
67.5°	52.4	47.1	44.2	38.4	37.6
70°	55.3	50.8	47.5	38.4	36.7
72.5°	50.4	47.9	47.5	37.6	35.5
75°	38.8	40.5	42.5	35.1	33.4
77.5°	29.7	34.3	39.6	30.5	28.1
80°	23.9	32.6	41.3	25.6	21.5
82.5°	20.6	39.2	42.5	21.1	17.7
85°	16.9	44.2	41.7	18.2	12.8
87.5°	12.4	21.1	28.1	16.5	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)