

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: P179318

Luminaire Tested: **UTLD-E01-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179318
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34326)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-T2-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1215.1 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 24.7
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

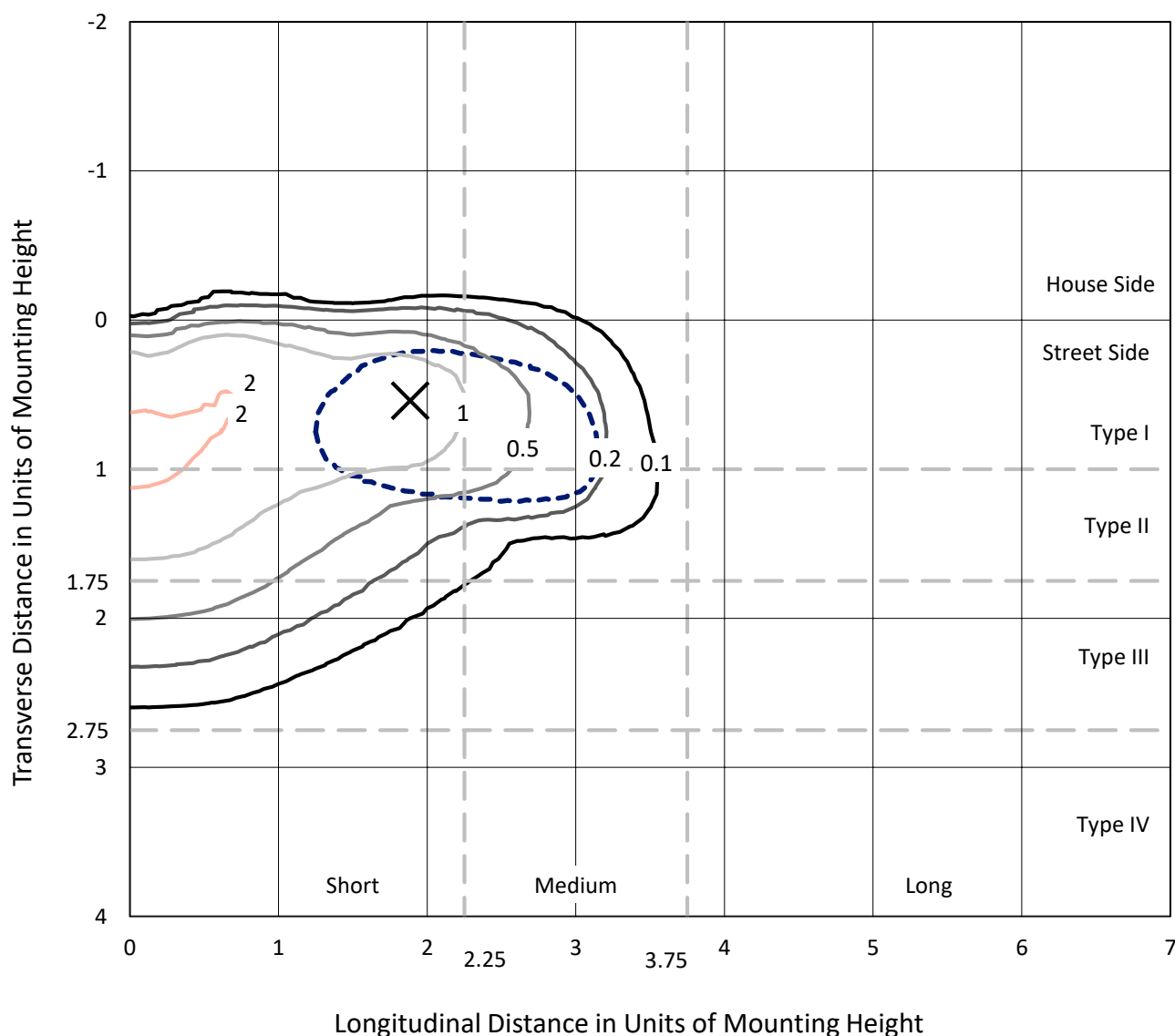


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

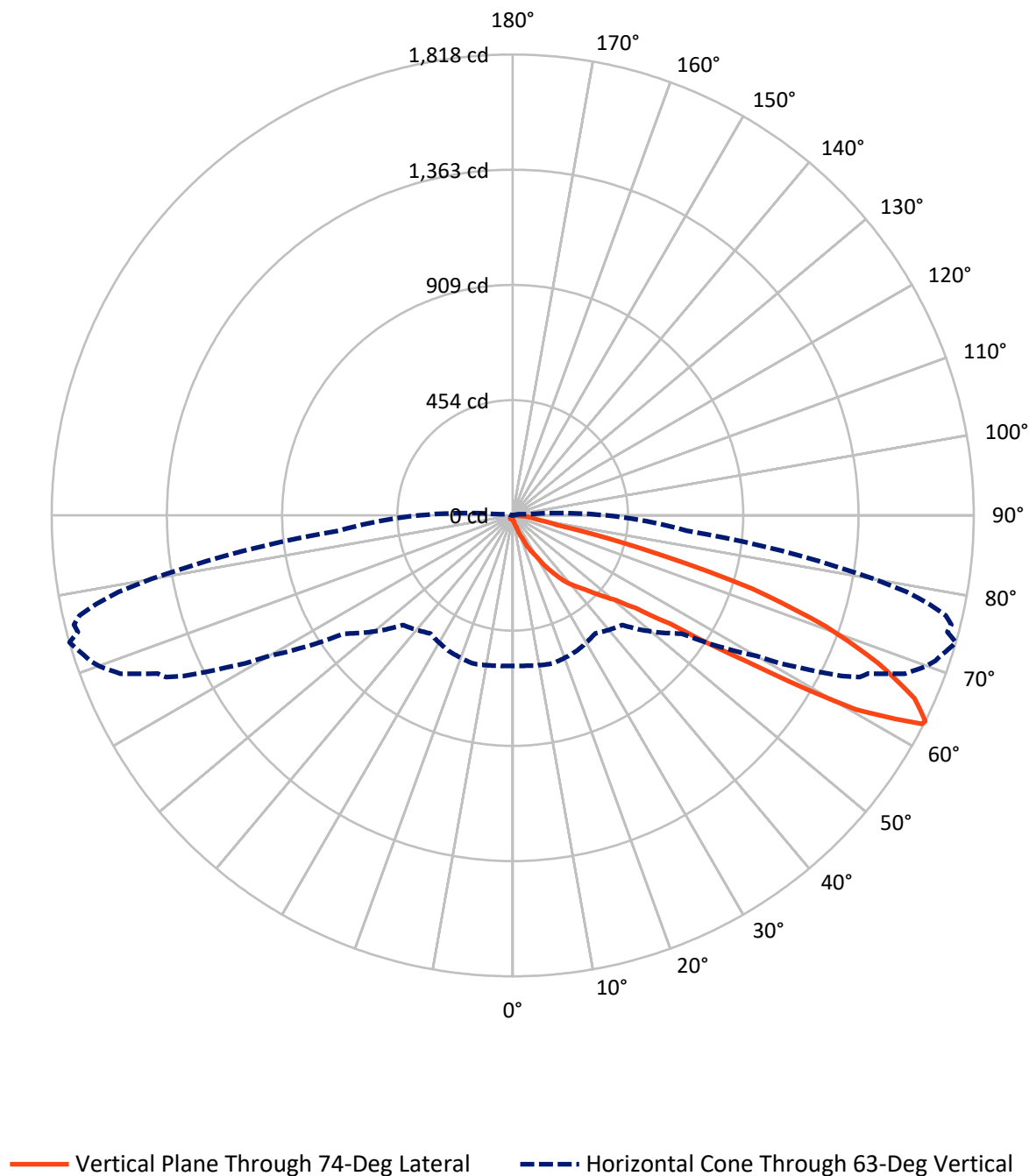


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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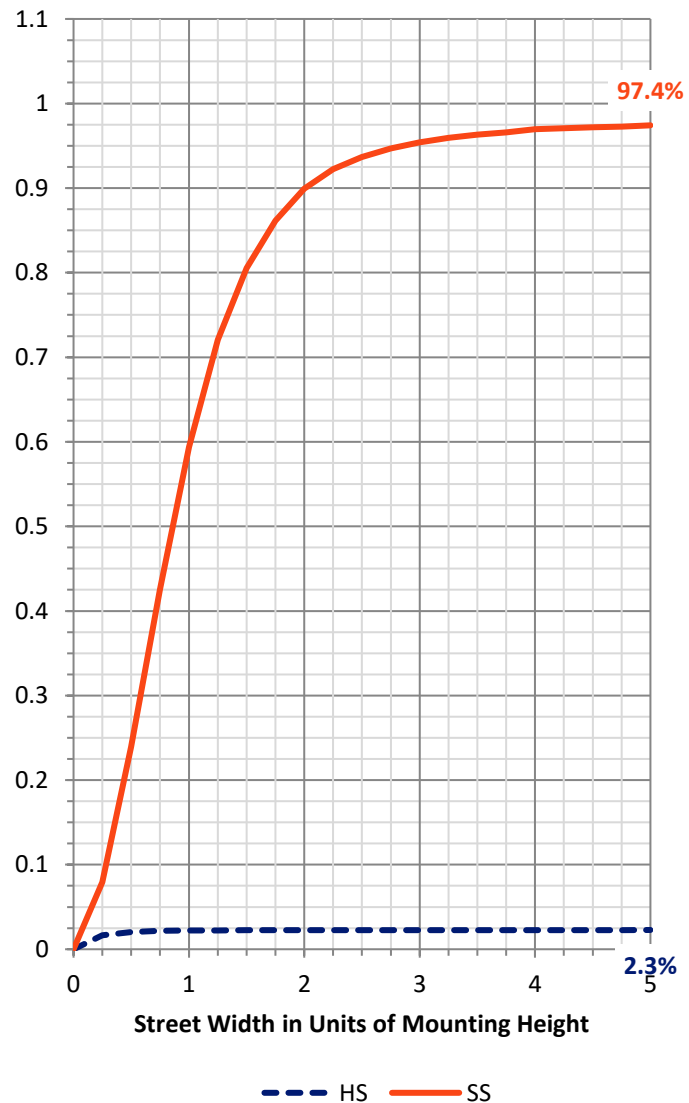
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28.2	0.0	28.2
	% Fixture	2.3	0.0	2.3
Street Side	Lumens	1186.9	0.0	1186.9
	% Fixture	97.7	0.0	97.7
Total	Lumens	1215.1	0.0	1215.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.2
10°-20°	14.0	1.2
20°-30°	45.4	3.7
30°-40°	108.4	8.9
40°-50°	203.5	16.8
50°-60°	319.9	26.3
60°-70°	375.8	30.9
70°-80°	129.0	10.6
80°-90°	17.1	1.4
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°	1215.1	100.0
0°-180°	1215.1	100.0

Coefficient of Utilization



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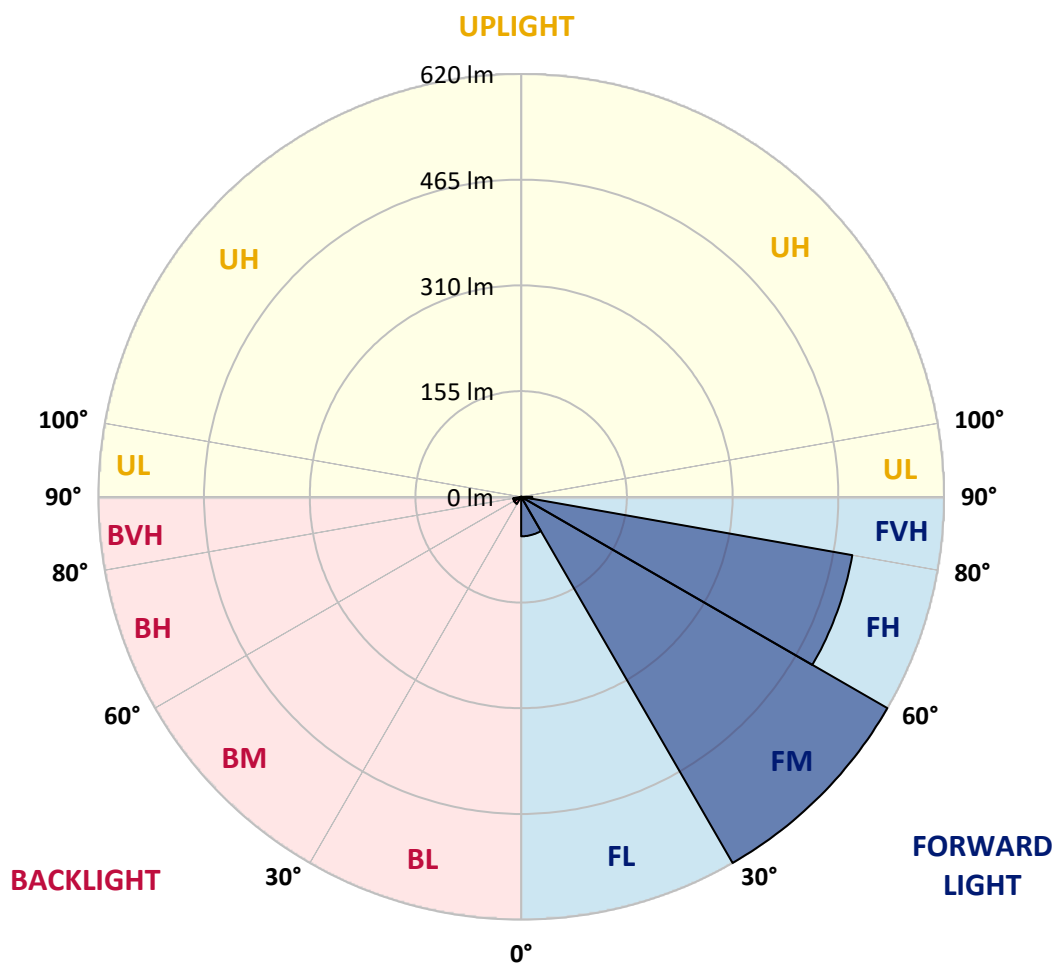
CATALOG NUMBER: UTLD-E01-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	57.9	4.8			
FM	(30°-60°)	619.8	51.0			
FH	(60°-80°)	492.9	40.6			G0/660
FVH	(80°-90°)	16.3	1.3			G1/100
BL	(0°-30°)	3.4	0.3	B0/110		
BM	(30°-60°)	12.1	1.0	B0/220		
BH	(60°-80°)	11.9	1.0	B0/110		G0/110
BVH	(80°-90°)	0.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	23.2	22.8	21.9	21.1	20.7	19.8	19.4	18.6	18.6	18.1	18.6
5°	33.8	32.1	30.4	29.1	27.9	26.6	24.1	22.4	21.9	21.9	21.1
7.5°	63.7	61.2	59.5	57.0	52.3	39.7	29.5	27.4	27.0	26.6	25.7
10°	72.6	72.2	71.3	68.4	64.6	57.8	51.1	35.0	34.2	32.9	33.3
12.5°	104.2	103.0	103.8	98.3	90.3	73.8	67.1	59.9	58.2	57.0	52.3
15°	142.6	140.5	113.5	109.7	102.5	101.7	77.2	69.2	67.5	64.6	61.6
17.5°	151.1	152.3	150.2	141.4	125.8	112.7	110.1	87.8	85.2	84.0	80.6
20°	194.5	194.5	186.1	153.6	154.0	140.9	127.4	111.8	100.9	98.3	101.7
22.5°	200.9	201.7	199.2	201.7	165.4	166.7	168.0	158.7	154.9	150.2	144.3
25°	235.1	236.3	230.4	206.8	214.0	193.7	194.5	182.7	176.8	186.5	184.8
27.5°	267.1	268.0	234.2	233.8	226.2	233.4	243.5	232.9	230.0	225.8	217.7
30°	281.0	282.7	272.2	282.3	269.2	254.0	267.1	282.3	279.4	272.2	274.3
32.5°	341.4	342.2	336.3	303.8	303.0	303.4	322.8	312.3	308.5	300.0	301.3
35°	415.7	415.2	368.8	361.2	340.1	353.2	354.1	364.2	351.1	360.4	351.5
37.5°	475.2	472.6	442.3	434.2	406.4	395.0	403.0	395.8	387.0	394.6	391.6
40°	527.5	530.0	516.1	484.0	468.0	451.1	449.0	429.2	437.6	431.3	430.4
42.5°	568.8	573.1	564.6	533.8	511.5	508.5	499.6	475.2	488.7	476.9	478.5
45°	619.9	618.6	603.0	571.0	555.8	559.6	565.1	546.1	546.9	542.7	533.0
47.5°	668.4	668.0	658.3	613.2	594.2	603.9	635.5	631.3	615.7	622.0	599.7
50°	709.8	710.2	698.8	648.6	624.6	647.3	709.0	714.0	706.4	708.5	682.4
52.5°	724.1	725.0	719.9	668.9	644.0	678.6	768.5	794.6	802.2	804.3	775.6
55°	709.8	712.8	711.5	667.2	643.5	692.5	820.4	873.5	893.4	904.3	887.0
57.5°	682.8	685.3	690.4	662.5	639.3	697.1	866.4	981.6	1017.0	1039.8	1045.7
60°	651.1	654.1	669.3	657.5	633.0	689.1	890.8	1079.0	1142.3	1192.6	1271.9
62.5°	608.1	611.0	623.7	611.9	585.7	633.0	836.0	1106.1	1194.2	1266.0	1413.7
63°	593.3	595.0	604.7	591.2	567.6	611.0	812.3	1107.7	1201.4	1276.5	1443.6
65°	466.7	470.1	481.1	466.7	461.7	505.1	677.7	1053.3	1182.4	1263.9	1469.4
67.5°	254.9	259.1	275.6	269.2	298.4	347.3	449.4	768.9	945.7	1061.3	1295.5
70°	185.3	185.3	199.2	203.4	217.7	255.7	296.7	390.8	493.7	628.4	927.5
72.5°	134.6	137.6	149.4	161.2	181.9	227.9	292.4	227.0	233.8	275.6	488.2
75°	67.1	73.0	86.1	100.0	121.5	173.4	309.7	235.5	214.0	208.5	249.4
77.5°	15.6	16.0	26.2	51.5	62.0	99.6	245.2	287.8	259.1	245.2	219.4
80°	8.0	8.4	10.5	25.7	28.3	35.9	128.7	303.8	307.2	298.8	246.4
82.5°	4.2	4.2	6.3	11.0	11.0	12.7	36.7	184.8	256.2	290.8	284.4
85°	1.7	1.7	3.8	5.5	5.9	5.5	10.1	72.6	128.3	166.7	223.2
87.5°	0.4	0.4	1.3	2.1	2.5	3.0	4.6	13.5	22.4	30.8	51.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	18.1	18.1	18.1	17.7	17.7	17.7	17.7	17.3	17.3	17.3	16.0
5°	20.7	20.7	20.3	19.8	19.8	19.4	19.4	19.4	19.0	19.0	18.6
7.5°	25.3	24.9	24.5	23.6	23.2	22.8	22.8	21.9	21.5	21.1	20.7
10°	33.3	32.9	31.6	30.8	30.0	29.1	28.3	27.9	27.0	26.6	25.7
12.5°	45.6	39.7	38.4	37.1	35.4	34.2	33.3	32.5	32.1	30.8	31.2
15°	65.8	64.6	63.3	62.5	60.3	51.1	47.3	46.4	44.7	43.5	41.8
17.5°	79.8	78.5	75.5	70.9	70.1	68.4	66.3	64.1	54.0	49.0	47.3
20°	103.4	101.3	104.2	103.4	100.0	96.6	92.8	90.7	88.2	83.6	76.0
22.5°	129.6	129.6	125.8	123.2	119.0	113.5	113.1	108.5	99.6	96.2	94.9
25°	184.8	187.4	179.8	170.1	169.2	164.2	151.9	145.6	141.4	136.7	134.6
27.5°	219.4	211.4	204.2	203.8	198.8	183.1	176.4	173.0	175.1	164.2	157.4
30°	265.4	259.5	257.8	250.2	241.0	229.6	227.5	222.8	211.0	195.4	186.5
32.5°	297.1	300.0	305.5	297.1	286.1	283.2	281.9	269.2	253.2	242.6	232.5
35°	356.6	352.4	344.3	331.3	327.9	327.9	318.6	299.6	288.2	281.5	278.9
37.5°	390.8	384.4	372.6	366.3	368.0	365.0	343.5	333.0	327.9	326.2	309.7
40°	427.5	415.2	404.7	406.4	410.2	389.1	377.3	371.4	373.0	359.5	338.9
42.5°	468.8	452.8	447.3	457.0	437.2	421.6	412.3	415.7	408.5	389.1	375.6
45°	516.5	500.5	503.9	500.9	476.4	462.1	463.4	456.2	442.7	427.9	414.8
47.5°	573.5	565.5	575.6	546.1	525.0	520.3	517.4	503.0	485.3	473.5	461.2
50°	657.9	662.1	652.8	617.8	598.4	597.1	580.2	559.1	544.8	525.0	506.0
52.5°	770.1	782.4	754.5	726.7	714.9	706.0	678.1	654.1	630.0	606.0	577.7
55°	891.3	915.3	884.1	871.4	867.6	873.1	840.2	815.7	786.2	752.8	718.2
57.5°	1093.8	1100.1	1079.5	1097.2	1111.1	1113.2	1121.7	1103.5	1092.1	1082.4	1048.7
60°	1353.8	1364.7	1384.1	1446.6	1471.9	1507.8	1516.7	1540.3	1545.3	1553.8	1526.4
62.5°	1492.2	1516.2	1578.3	1651.7	1683.8	1717.9	1745.4	1766.9	1783.8	1811.2	1763.5
63°	1508.6	1533.1	1598.5	1667.3	1701.1	1736.1	1761.8	1778.7	1798.1	1817.5	1774.1
65°	1506.1	1533.1	1616.2	1653.0	1689.2	1708.7	1731.9	1733.1	1769.0	1741.6	1736.9
67.5°	1335.6	1406.9	1465.2	1504.8	1535.6	1550.8	1560.5	1572.4	1596.4	1553.4	1577.4
70°	1047.8	1139.0	1190.9	1239.8	1279.5	1290.9	1299.3	1336.5	1303.5	1307.3	1300.6
72.5°	596.3	737.6	825.8	878.6	944.0	955.8	975.7	1006.9	964.7	986.2	967.2
75°	319.9	375.2	452.0	506.0	532.1	557.5	581.9	563.4	551.5	525.8	520.7
77.5°	230.4	236.3	242.6	238.0	231.3	229.6	219.0	198.8	193.3	177.2	169.2
80°	230.8	208.9	183.6	151.5	117.7	102.5	96.2	94.1	94.1	94.1	88.6
82.5°	261.2	233.8	201.3	161.2	124.9	98.3	81.4	78.9	77.2	77.2	72.2
85°	212.3	209.3	185.7	148.5	116.5	88.2	68.4	55.7	51.1	45.6	43.5
87.5°	51.5	53.6	46.8	40.9	34.2	27.0	23.6	19.0	16.0	14.8	13.9
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):

	76°	77°	78°	79°	80°	85°	95°	105°	115°	125°	135°
0°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
2.5°	16.0	15.6	15.2	15.2	14.8	12.7	11.0	9.7	8.9	8.4	8.0
5°	18.6	18.1	18.1	17.7	17.7	14.3	9.7	8.4	7.6	6.8	6.8
7.5°	20.3	19.8	19.8	19.4	19.0	17.3	9.7	8.0	6.3	6.8	3.4
10°	25.3	24.9	24.1	23.6	23.2	21.9	11.8	8.4	7.6	3.0	2.5
12.5°	30.8	29.5	28.7	27.9	26.2	22.4	11.8	8.9	4.6	3.8	4.2
15°	39.7	38.0	36.3	35.0	33.8	29.1	15.6	11.0	5.1	4.6	4.6
17.5°	45.2	43.0	41.4	40.9	40.1	29.1	15.2	7.6	5.9	5.9	4.6
20°	69.2	68.8	65.0	60.3	56.1	43.0	20.7	9.7	8.0	5.9	5.9
22.5°	90.7	79.8	74.3	67.5	63.7	51.5	21.1	10.5	9.3	7.2	5.5
25°	124.1	112.3	105.9	96.6	93.3	64.6	23.2	13.5	10.5	7.6	6.3
27.5°	151.1	142.6	138.8	134.2	122.8	80.2	27.0	14.3	10.5	8.4	6.3
30°	176.0	176.4	165.0	150.7	139.3	95.8	28.7	15.6	11.0	8.0	6.3
32.5°	231.3	217.7	198.3	185.7	173.9	110.1	31.2	16.9	10.5	8.0	6.3
35°	263.3	242.6	231.7	220.3	205.1	131.2	34.2	16.5	10.5	7.6	5.9
37.5°	289.5	273.9	262.9	246.4	230.4	147.3	35.9	15.2	10.1	7.2	5.1
40°	322.4	311.4	291.6	277.3	260.8	154.0	37.1	13.9	9.3	6.3	4.2
42.5°	360.8	344.8	326.2	312.7	284.8	175.1	40.9	13.1	8.4	5.5	3.8
45°	400.9	380.2	368.4	340.1	307.6	190.3	43.9	12.7	7.6	4.6	3.0
47.5°	438.5	425.8	400.1	364.2	349.4	214.0	43.0	11.8	6.8	3.8	2.1
50°	490.4	473.1	438.0	417.8	393.7	232.9	41.8	11.4	5.9	3.4	1.7
52.5°	562.9	526.2	498.8	475.6	435.1	259.5	40.9	10.5	5.1	2.5	0.8
55°	680.3	622.9	589.1	545.6	501.3	290.8	38.8	9.3	4.6	2.1	0.8
57.5°	964.7	902.6	830.1	747.4	668.4	363.8	38.0	8.4	3.8	1.3	0.4
60°	1469.0	1428.5	1321.7	1187.9	1076.1	511.9	40.9	7.2	3.0	0.8	0.4
62.5°	1763.1	1726.0	1650.0	1553.4	1403.1	667.2	46.0	5.9	2.1	0.8	0.4
63°	1782.1	1752.1	1677.4	1582.5	1447.0	688.7	48.5	5.9	2.1	0.8	0.4
65°	1746.6	1720.5	1678.7	1604.8	1516.7	751.2	56.1	5.5	1.7	0.8	0.4
67.5°	1568.6	1540.7	1512.0	1481.2	1418.3	771.4	61.6	5.1	1.3	0.8	0.4
70°	1297.2	1271.9	1240.7	1227.2	1193.0	721.2	64.6	4.6	1.3	0.8	0.4
72.5°	947.0	917.8	892.5	855.8	823.3	545.6	47.7	4.6	0.8	0.8	0.4
75°	481.1	450.7	392.0	364.6	336.3	228.7	19.4	3.8	0.8	0.8	0.4
77.5°	140.5	126.2	102.1	82.7	62.9	40.9	7.2	2.5	0.8	0.8	0.4
80°	83.1	70.5	58.2	46.0	37.1	19.8	4.2	1.7	0.8	1.3	0.4
82.5°	67.9	60.8	50.2	41.4	32.5	14.8	3.0	1.7	1.3	1.3	0.4
85°	39.2	35.4	30.0	24.1	20.3	10.5	2.1	1.7	1.3	1.7	0.4
87.5°	14.3	13.1	12.2	11.8	11.0	7.6	2.1	2.1	1.7	2.1	0.4
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):

	145°	155°	165°	175°	180°
0°	11.8	11.8	11.8	11.8	11.8
2.5°	7.6	8.0	8.0	8.0	8.0
5°	7.2	7.2	6.3	5.1	5.1
7.5°	3.0	3.4	3.4	3.4	3.4
10°	2.5	4.2	4.6	4.6	4.6
12.5°	3.8	3.8	4.2	4.2	4.6
15°	3.8	4.6	5.1	5.1	5.1
17.5°	5.1	4.2	4.6	4.6	5.1
20°	4.6	5.1	5.1	5.1	5.1
22.5°	5.5	5.1	4.6	5.1	5.1
25°	5.1	5.1	4.6	4.6	4.6
27.5°	5.1	4.6	4.6	4.6	4.6
30°	5.1	4.6	4.2	4.2	4.2
32.5°	4.6	4.2	4.2	3.8	3.8
35°	4.2	3.4	3.8	3.8	3.8
37.5°	3.8	3.0	3.0	3.4	3.0
40°	3.0	2.5	2.1	2.5	2.5
42.5°	2.1	1.7	1.7	1.7	1.7
45°	1.7	0.8	0.8	0.8	0.8
47.5°	0.8	0.4	0.4	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.0
52.5°	0.4	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
63°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.8	0.8	0.8	0.4	0.4
80°	1.3	0.8	0.8	0.4	0.4
82.5°	1.3	1.3	1.3	0.8	0.4
85°	1.7	1.3	1.3	1.3	0.4
87.5°	2.1	1.7	1.7	1.3	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)