

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: P179261

Luminaire Tested: **UTLD-E01-LED-E-U-SL3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179261
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1588.4 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type III - 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



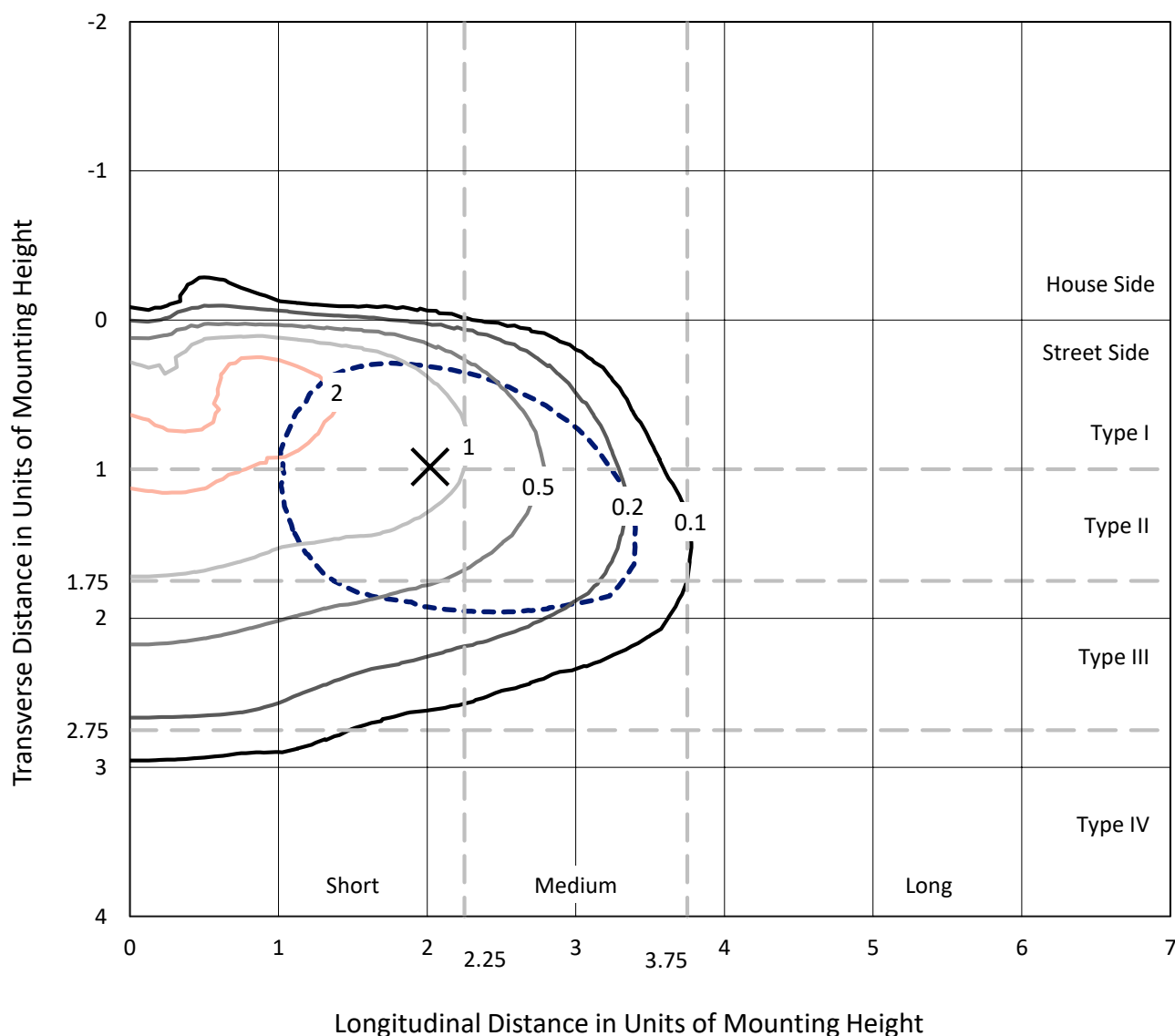
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

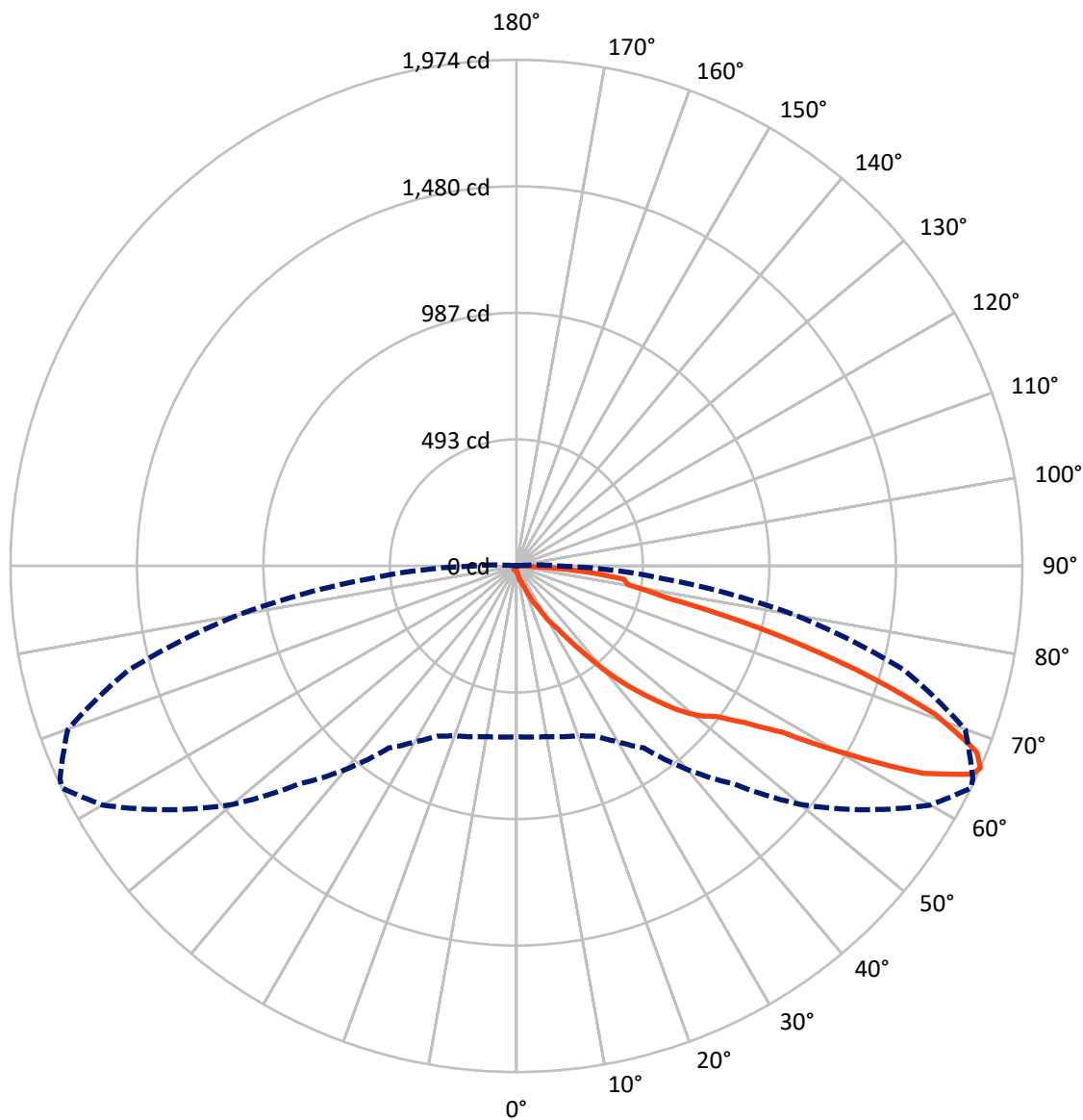


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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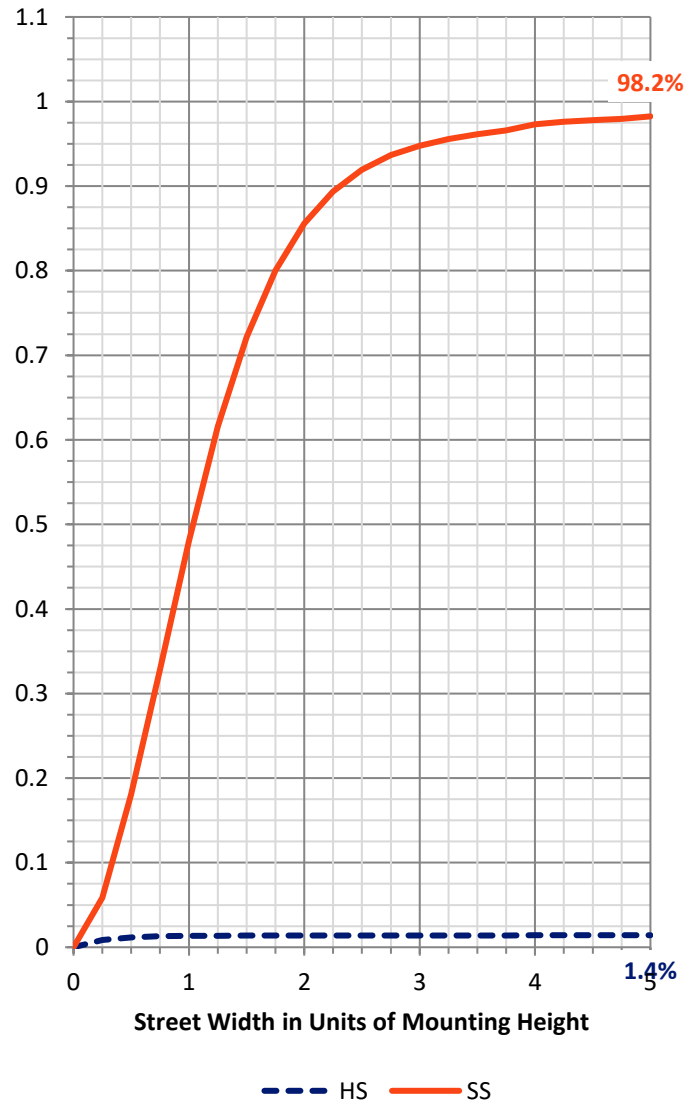
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23.2	0.0	23.2
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	1565.2	0.0	1565.2
	% Fixture	98.5	0.0	98.5
Total	Lumens	1588.4	0.0	1588.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	12.4	0.8
20°-30°	37.9	2.4
30°-40°	100.9	6.4
40°-50°	234.7	14.8
50°-60°	400.2	25.2
60°-70°	528.4	33.3
70°-80°	237.1	14.9
80°-90°	34.5	2.2
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°	1588.4	100.0
0°-180°	1588.4	100.0

Coefficient of Utilization



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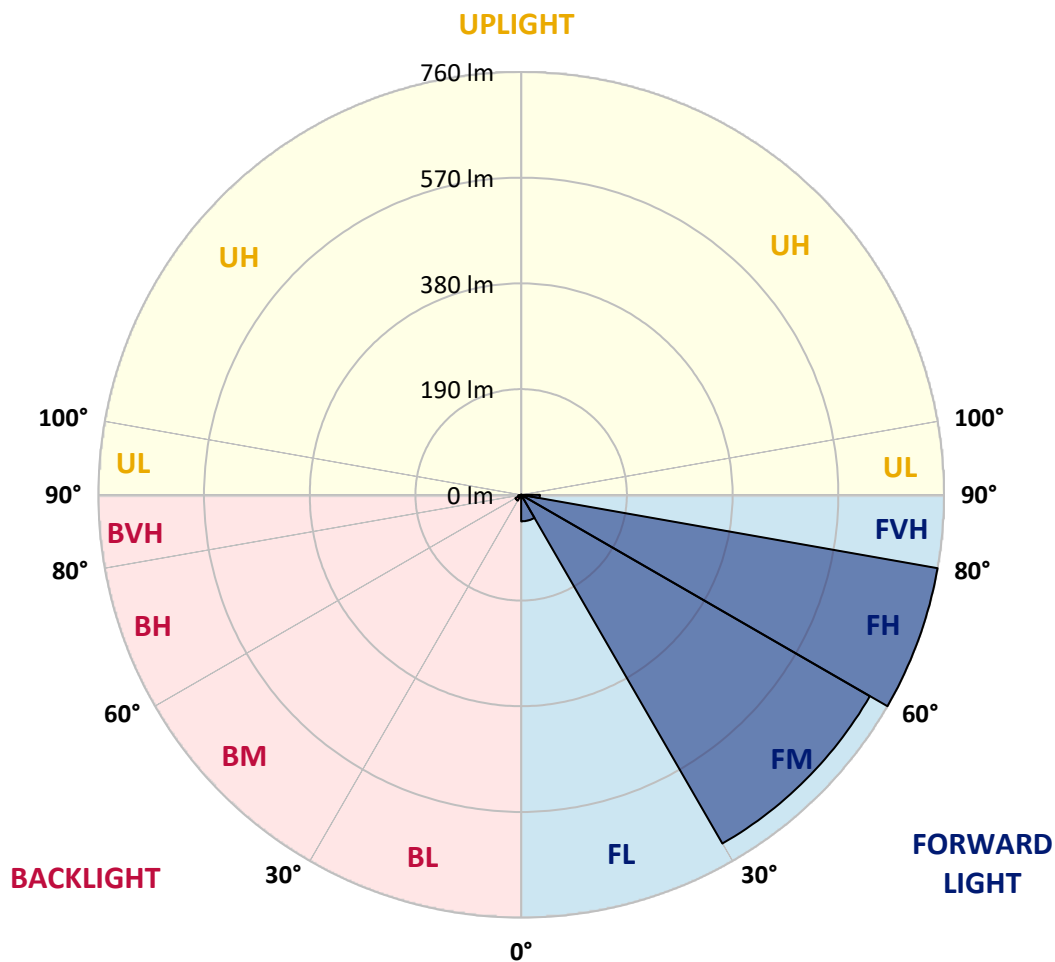
CATALOG NUMBER: UTLD-E01-LED-E-U-SL3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	47.7	3.0			
FM	(30°-60°)	723.8	45.6			
FH	(60°-80°)	760.1	47.9			G1/1800
FVH	(80°-90°)	33.6	2.1			G1/100
BL	(0°-30°)	4.9	0.3	B0/110		
BM	(30°-60°)	12.0	0.8	B0/220		
BH	(60°-80°)	5.3	0.3	B0/110		G0/110
BVH	(80°-90°)	0.9	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2.5°	27.2	27.2	27.2	26.7	26.2	26.2	25.7	25.1	25.1	25.1	24.6
5°	36.9	35.4	34.4	32.8	31.8	31.8	30.8	30.3	29.8	29.2	28.2
7.5°	54.9	54.4	53.4	52.8	52.3	51.8	50.3	49.8	48.2	44.1	33.9
10°	69.8	67.2	67.2	63.6	61.6	59.5	57.5	56.4	56.4	52.8	50.3
12.5°	83.6	84.1	84.7	85.2	83.6	82.6	81.1	79.0	65.2	62.1	62.1
15°	111.3	110.3	108.8	101.1	89.8	87.7	83.6	84.1	91.3	86.7	73.9
17.5°	115.4	115.4	114.4	112.9	110.8	107.2	107.7	104.7	94.9	92.9	92.3
20°	148.8	148.8	146.7	141.6	129.8	112.9	116.5	112.4	112.9	110.8	105.2
22.5°	161.6	162.1	158.0	152.4	144.2	143.1	134.9	118.0	123.1	120.1	121.6
25°	204.7	203.7	198.0	186.2	175.5	150.3	138.5	141.1	133.9	129.8	148.8
27.5°	251.9	250.9	230.4	206.8	189.8	172.4	164.2	149.3	152.4	156.0	162.1
30°	277.6	275.0	264.7	246.8	226.3	203.7	175.5	171.4	167.8	170.8	213.4
32.5°	335.5	335.0	321.2	299.6	274.5	231.9	208.3	200.1	191.4	217.0	247.8
35°	400.2	398.1	387.9	356.1	323.2	290.9	273.5	247.3	255.0	270.4	318.1
37.5°	451.0	451.0	437.1	408.9	394.0	367.3	344.8	340.7	328.9	351.4	407.9
40°	479.7	482.8	485.9	476.1	461.7	450.5	438.1	429.9	434.6	445.3	502.8
42.5°	526.9	532.5	542.3	537.7	531.0	533.6	515.6	520.2	528.4	544.9	603.9
45°	595.7	600.3	611.0	619.3	630.5	624.4	590.5	614.6	632.1	642.9	705.4
47.5°	663.9	672.6	687.0	699.3	717.2	711.1	692.1	702.4	719.8	731.1	803.4
50°	723.4	731.6	747.0	765.5	773.2	788.0	780.9	786.0	806.5	815.8	886.6
52.5°	768.0	772.1	785.5	806.5	814.7	837.8	840.9	840.4	880.4	894.8	968.6
55°	791.6	795.7	808.6	825.0	835.8	867.1	864.0	872.7	932.2	959.4	1052.3
57.5°	796.3	801.4	811.6	832.2	840.9	877.8	870.7	891.2	969.2	1025.1	1141.0
60°	787.5	793.2	801.9	821.4	833.7	869.1	879.9	908.1	1006.6	1096.4	1254.4
62.5°	750.1	758.8	763.9	785.0	796.8	826.5	875.8	928.1	1048.2	1163.6	1375.0
65°	692.6	697.2	704.4	719.8	733.7	763.4	829.1	905.0	1058.9	1205.7	1445.3
66°	665.9	670.0	675.7	689.5	704.4	732.1	791.6	866.5	1035.3	1203.6	1447.3
67.5°	614.1	616.2	626.4	637.2	653.6	671.1	716.7	791.1	965.6	1151.8	1408.8
70°	414.5	421.2	449.4	486.9	510.0	507.4	536.1	601.8	755.7	936.3	1215.4
72.5°	195.0	197.0	200.6	215.5	300.6	318.1	338.1	394.5	510.5	652.1	887.1
75°	159.6	161.6	167.8	175.5	193.4	214.5	221.6	243.7	327.8	404.3	542.3
77.5°	54.4	55.9	60.0	71.3	109.3	137.0	161.6	201.1	246.8	287.3	355.5
80°	22.6	24.1	26.2	24.1	28.2	46.7	59.0	86.2	150.3	220.6	281.7
82.5°	12.3	12.8	14.4	13.3	16.4	21.5	23.1	25.1	36.4	73.9	158.0
85°	3.6	3.6	4.1	6.7	9.7	14.4	14.4	13.9	13.9	21.0	39.5
87.5°	1.0	1.0	1.5	2.1	3.1	5.1	6.2	6.2	6.7	8.7	12.8
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2.5°	24.6	24.6	24.6	24.6	24.1	24.1	22.6	20.5	18.5	16.4	14.9
5°	27.7	26.2	25.7	25.7	24.1	24.1	23.6	22.1	16.9	14.4	12.8
7.5°	31.3	29.2	28.2	28.2	26.7	24.6	23.6	22.6	17.4	13.9	12.3
10°	49.3	41.0	35.4	33.9	31.8	29.2	27.7	27.7	20.5	16.4	14.9
12.5°	60.0	56.9	53.4	50.8	36.9	33.3	31.8	27.7	21.5	15.9	13.9
15°	68.7	64.1	60.0	59.0	58.5	44.6	38.5	34.9	25.1	20.5	16.9
17.5°	99.0	79.0	72.3	71.8	65.2	49.3	42.6	34.9	27.2	20.5	16.9
20°	104.7	97.0	86.2	88.2	89.3	78.0	61.1	47.7	35.9	27.2	20.5
22.5°	134.4	130.3	123.6	121.6	102.1	89.3	66.2	55.9	39.0	27.2	20.5
25°	153.9	151.4	160.1	158.5	147.2	124.2	90.8	66.7	48.7	31.3	23.1
27.5°	191.9	204.2	187.3	192.4	170.8	149.3	119.5	82.6	51.8	32.8	23.6
30°	218.0	235.5	246.8	243.7	216.0	173.9	132.9	93.4	56.4	32.8	24.6
32.5°	274.0	285.8	287.8	281.7	265.2	219.6	159.0	107.2	59.0	33.9	26.2
35°	325.8	355.5	355.0	356.1	323.2	270.4	192.4	115.4	63.1	33.9	26.2
37.5°	425.8	442.3	440.2	439.7	403.3	330.4	226.8	139.6	67.7	33.9	25.7
40°	522.3	542.3	541.8	536.1	497.7	402.2	284.7	159.0	72.3	34.9	24.1
42.5°	615.7	624.9	640.3	642.3	576.7	484.8	343.7	185.7	77.5	35.9	23.1
45°	713.1	702.9	732.1	730.1	669.5	572.6	394.0	217.0	85.7	34.9	21.5
47.5°	811.6	809.6	834.7	816.3	771.1	677.2	465.9	250.4	90.8	33.3	20.0
50°	898.9	915.3	917.3	890.1	867.1	779.8	560.8	295.0	101.1	30.8	19.0
52.5°	975.3	1002.0	975.3	969.7	968.6	861.4	640.8	335.0	110.8	28.2	17.4
55°	1070.7	1090.2	1075.9	1077.9	1088.2	999.9	739.3	408.9	127.8	25.7	15.9
57.5°	1192.8	1231.8	1223.6	1259.5	1261.6	1195.9	879.4	493.0	147.8	23.6	14.4
60°	1355.0	1450.9	1497.6	1537.6	1491.4	1409.4	1034.8	562.8	163.7	21.5	12.8
62.5°	1541.2	1699.2	1782.3	1827.5	1700.3	1524.8	1097.9	592.6	167.3	19.0	11.3
65°	1647.9	1845.5	1956.3	1959.3	1837.8	1559.7	1107.2	591.5	163.7	16.4	9.7
66°	1657.7	1864.4	1973.7	1964.5	1862.4	1563.8	1101.0	582.3	160.1	15.4	9.2
67.5°	1622.3	1829.0	1937.3	1919.8	1847.5	1540.7	1060.5	558.7	152.9	13.9	8.7
70°	1437.6	1623.3	1733.1	1709.5	1714.6	1404.7	890.1	476.6	133.4	11.3	7.7
72.5°	1133.3	1342.1	1390.4	1372.9	1404.2	1038.9	629.0	334.5	99.5	9.2	6.7
75°	760.3	969.2	1002.5	988.7	890.1	523.3	249.9	141.1	51.8	7.7	5.6
77.5°	458.2	610.5	601.8	603.4	476.6	212.4	47.2	32.8	17.4	6.2	4.1
80°	335.0	423.8	441.2	452.0	374.0	139.0	26.2	19.5	10.3	4.6	3.1
82.5°	271.9	379.7	422.2	426.3	338.6	110.3	20.0	15.4	7.7	3.6	2.1
85°	74.4	193.9	239.6	227.3	144.2	37.5	14.4	10.3	5.1	2.6	2.1
87.5°	17.4	44.1	55.9	57.5	41.0	13.9	12.3	9.7	3.6	2.1	2.1
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
2.5°	14.4	13.9	13.3	12.8	12.8	12.3	12.3	12.3	11.8	12.3	12.3
5°	12.3	11.8	11.3	10.8	10.3	10.3	10.3	10.8	11.3	11.3	11.3
7.5°	11.8	10.8	10.3	10.3	10.3	7.2	5.1	4.6	4.6	4.6	5.1
10°	12.3	10.8	11.3	6.2	4.1	4.1	4.1	4.1	4.1	5.6	6.7
12.5°	12.8	11.8	6.7	6.2	5.6	5.1	6.2	5.6	5.6	6.2	6.2
15°	14.9	9.2	7.2	6.2	7.2	7.7	7.2	6.7	5.6	5.6	6.7
17.5°	12.3	9.2	8.2	9.2	9.2	7.7	6.7	7.7	7.7	7.2	6.7
20°	14.9	12.8	11.3	9.7	8.7	8.2	8.7	7.7	7.2	7.2	7.7
22.5°	15.9	13.9	14.4	12.8	11.8	9.2	8.7	7.7	8.2	7.7	7.7
25°	19.5	19.5	16.9	13.3	12.3	10.8	10.3	8.2	8.2	7.2	7.7
27.5°	21.0	19.0	16.9	15.4	13.9	10.8	10.3	8.7	7.7	7.7	6.7
30°	22.1	19.5	17.4	15.4	13.3	11.8	10.3	8.7	7.7	7.2	7.2
32.5°	23.6	20.5	16.9	14.4	12.8	10.8	10.3	8.2	7.2	6.2	6.2
35°	22.1	19.0	16.4	14.4	11.8	10.3	9.2	7.7	6.2	6.2	5.6
37.5°	20.5	17.4	14.9	13.3	11.3	9.2	8.2	6.7	5.6	5.1	5.1
40°	19.5	16.4	13.9	11.8	9.7	8.2	7.2	5.6	4.6	4.1	4.1
42.5°	18.0	14.9	12.3	10.3	8.7	7.2	6.2	4.6	3.6	3.1	3.1
45°	16.9	13.9	11.3	9.2	7.2	6.2	4.6	3.6	2.6	2.1	2.1
47.5°	15.9	12.8	9.7	7.7	6.2	5.1	3.6	2.6	1.5	1.5	1.0
50°	14.4	11.3	8.7	6.7	5.1	4.1	2.6	1.5	1.0	0.5	0.5
52.5°	13.3	9.7	7.7	5.6	4.1	3.1	2.1	1.0	0.5	0.5	0.5
55°	11.8	8.7	6.7	4.6	3.6	2.1	1.0	0.5	0.5	0.5	0.5
57.5°	10.3	7.2	5.6	4.1	2.6	1.5	1.0	0.5	0.5	0.5	0.0
60°	8.7	6.2	4.6	3.1	2.1	1.0	0.5	0.5	0.5	0.5	0.0
62.5°	7.7	5.1	3.6	2.6	1.5	1.0	0.5	0.5	0.5	0.5	0.0
65°	6.7	4.1	3.1	2.1	1.0	1.0	0.5	0.5	0.5	0.5	0.0
66°	6.2	4.1	2.6	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.0
67.5°	5.6	3.6	2.6	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5
70°	5.1	3.1	2.1	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
72.5°	4.6	2.6	1.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5	0.5
75°	3.1	1.5	1.5	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0
77.5°	2.1	1.5	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0
80°	2.1	1.5	1.5	1.5	1.5	1.5	0.5	1.5	1.5	1.5	1.0
82.5°	1.5	1.5	1.5	1.5	2.1	2.1	0.5	2.1	2.1	1.5	1.5
85°	1.5	1.5	1.5	2.1	2.1	2.6	0.5	2.1	2.1	2.1	2.1
87.5°	1.5	2.1	2.1	2.1	2.6	2.6	1.0	2.6	2.6	2.6	2.1
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):

	160°	165°	170°	175°	180°
0°	19.0	19.0	19.0	19.0	19.0
2.5°	12.3	12.8	12.8	13.3	13.3
5°	10.3	10.3	9.2	9.2	8.7
7.5°	5.1	5.1	5.6	5.6	5.6
10°	7.2	7.7	7.7	7.7	8.2
12.5°	6.2	6.7	7.2	7.2	7.2
15°	7.2	7.7	8.2	8.2	8.2
17.5°	6.7	6.7	7.2	7.2	7.7
20°	7.7	7.7	7.7	7.7	7.7
22.5°	6.7	6.7	7.7	8.2	8.2
25°	7.7	7.2	7.2	7.7	7.2
27.5°	6.7	7.2	7.7	7.7	7.7
30°	6.7	6.7	6.7	6.7	7.2
32.5°	6.7	6.7	6.7	6.7	6.7
35°	5.6	6.2	6.2	6.7	6.7
37.5°	5.1	5.1	5.6	5.6	5.6
40°	4.1	4.1	4.1	4.6	4.6
42.5°	3.1	3.1	3.1	3.6	3.1
45°	2.1	2.1	2.1	2.1	2.1
47.5°	1.0	1.0	1.5	1.5	1.5
50°	0.5	0.5	1.0	1.0	1.0
52.5°	0.5	0.5	0.5	1.0	1.0
55°	0.5	0.5	0.5	0.5	1.0
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
66°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	1.0
72.5°	0.5	0.5	1.0	0.5	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.5	1.5	1.0	1.0
82.5°	1.5	1.5	1.5	1.5	1.0
85°	1.5	1.5	2.1	2.1	1.0
87.5°	2.1	2.1	2.1	2.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)