

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: P179364

Luminaire Tested: **UTLD-F02-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179364
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F02-LED-E-U-T3-HSS-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.2 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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: 28.75 FT



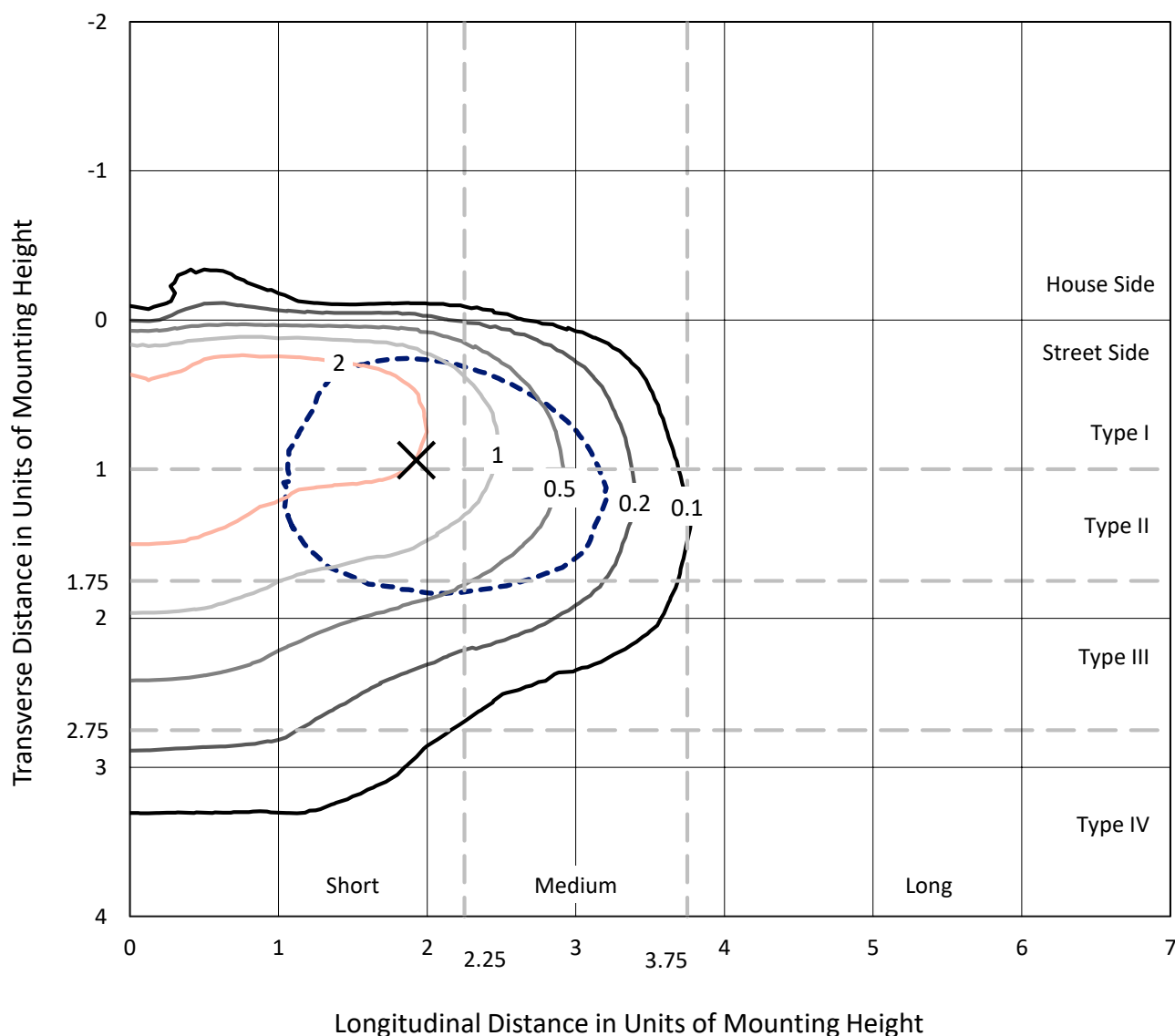
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

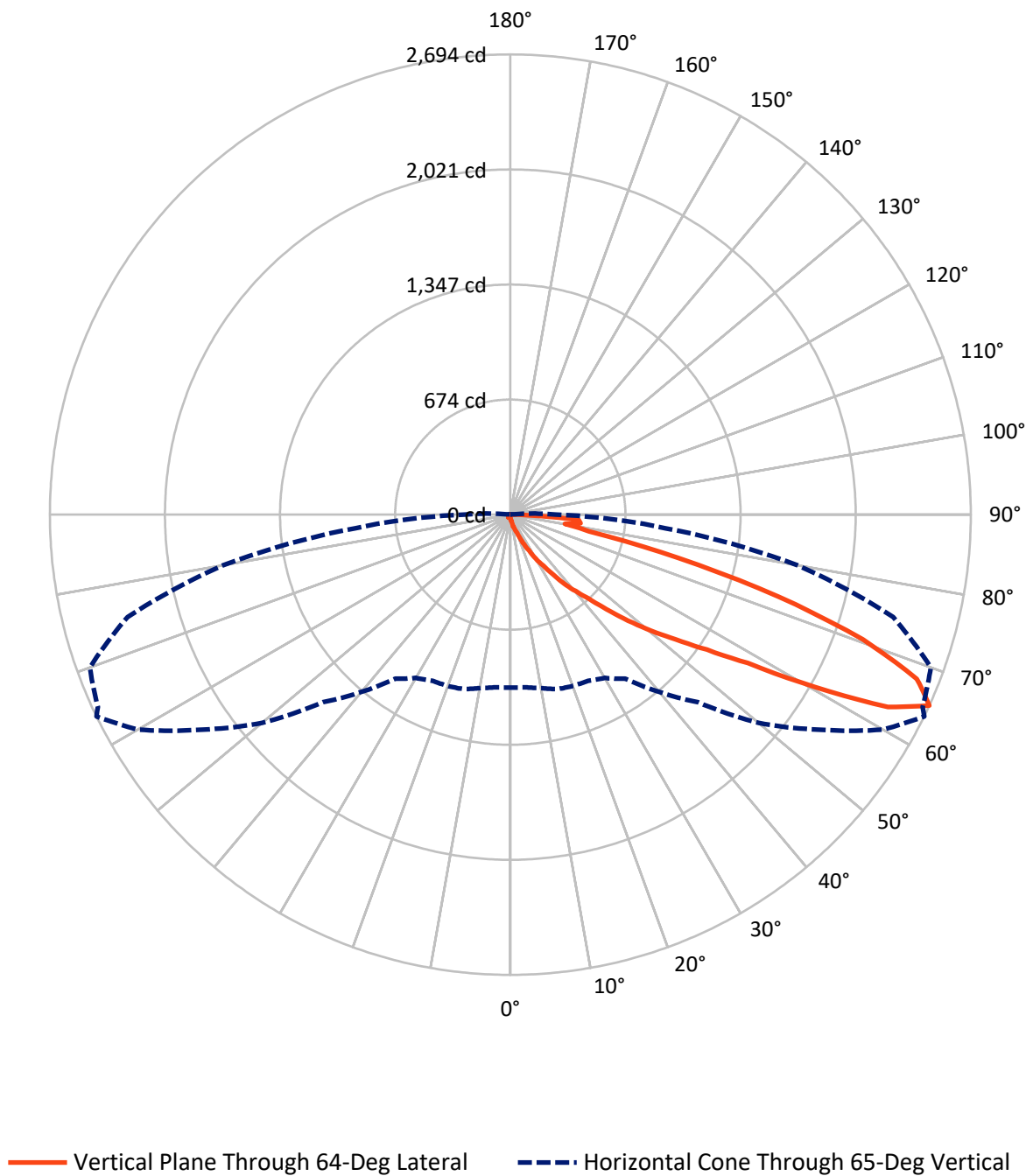


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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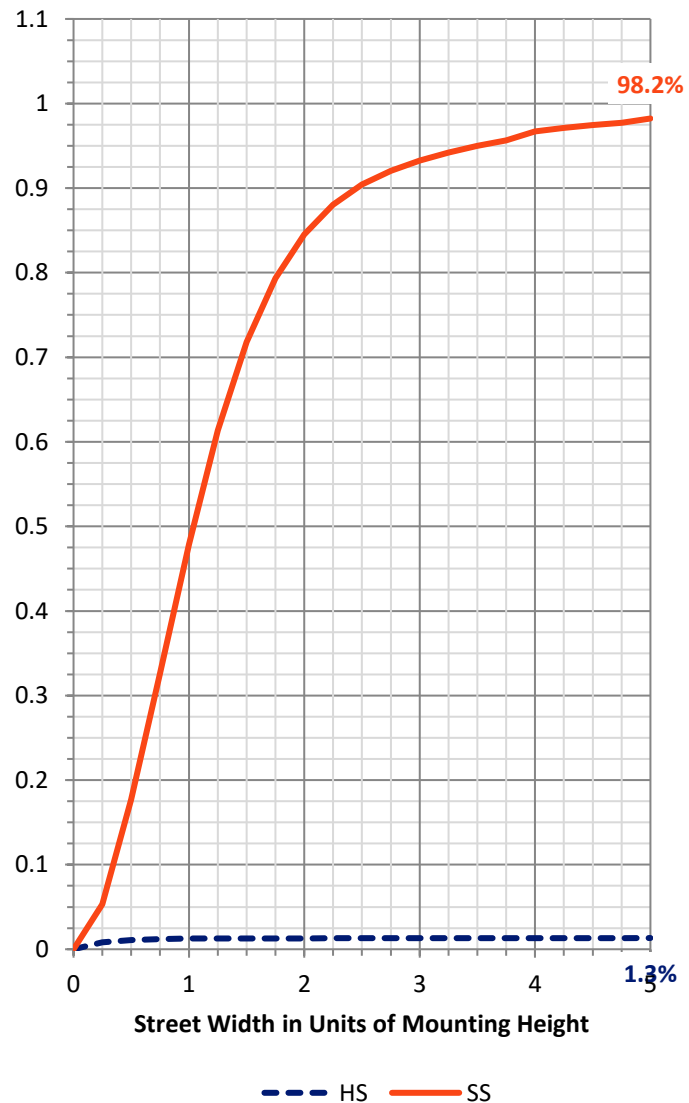
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29.3	0.0	29.3
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	2120.9	0.0	2120.9
	% Fixture	98.6	0.0	98.6
Total	Lumens	2150.2	0.0	2150.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	0.1
10°-20°	18.6	0.9
20°-30°	58.3	2.7
30°-40°	141.5	6.6
40°-50°	300.0	14.0
50°-60°	540.3	25.1
60°-70°	723.5	33.6
70°-80°	312.7	14.5
80°-90°	52.5	2.4
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°	2150.2	100.0
0°-180°	2150.2	100.0

Coefficient of Utilization



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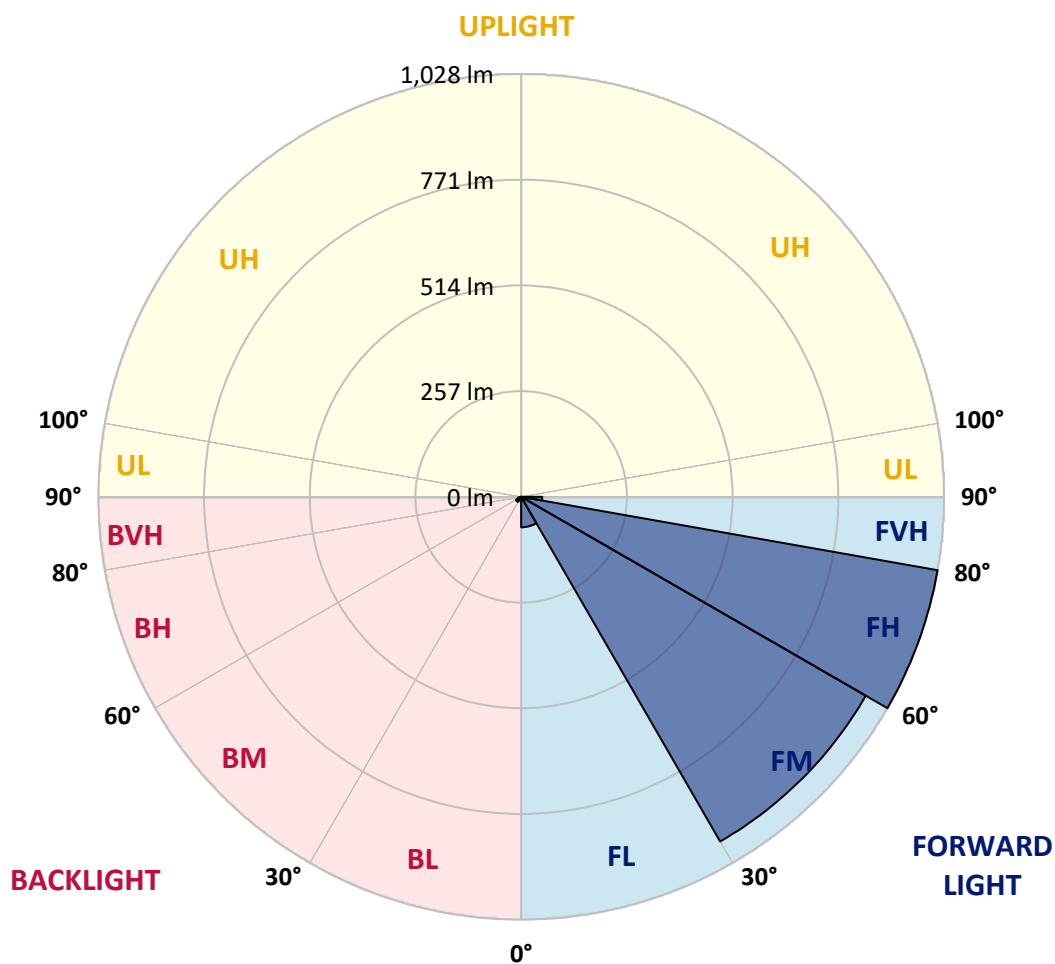
CATALOG NUMBER: UTLD-F02-LED-E-U-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.0	3.4			
FM	(30°-60°)	967.6	45.0			
FH	(60°-80°)	1028.1	47.8			G1/1800
FVH	(80°-90°)	51.2	2.4			G1/100
BL	(0°-30°)	5.6	0.3	B0/110		
BM	(30°-60°)	14.3	0.7	B0/220		
BH	(60°-80°)	8.1	0.4	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	30.9	30.9	30.2	30.9	30.2	29.4	29.4	28.7	28.7	27.9	27.9
5°	45.2	45.2	44.5	43.0	41.5	40.7	40.0	37.7	36.9	36.2	34.7
7.5°	80.7	80.7	79.2	77.7	76.9	75.4	73.9	70.9	67.9	50.5	43.7
10°	103.3	101.8	100.3	97.3	96.5	92.7	89.0	86.7	83.7	76.2	70.9
12.5°	144.8	144.0	142.5	143.3	138.7	135.7	129.7	124.4	99.5	93.5	91.2
15°	190.8	178.7	167.4	156.8	153.8	150.8	141.8	142.5	148.5	135.7	106.3
17.5°	195.3	196.0	194.5	194.5	190.0	187.7	193.0	167.4	162.9	151.6	143.3
20°	245.8	246.6	245.0	229.2	207.3	199.8	211.1	203.6	203.6	185.5	174.2
22.5°	257.1	259.4	257.1	256.4	251.1	263.9	255.6	220.9	233.7	217.9	209.6
25°	312.2	313.7	312.9	306.1	315.9	277.5	271.4	288.0	272.2	253.3	261.6
27.5°	371.0	369.5	335.5	324.2	328.7	324.2	341.6	313.7	328.0	309.9	297.1
30°	398.9	401.1	398.1	385.3	385.3	397.4	366.4	377.8	367.2	340.1	385.3
32.5°	479.5	482.6	473.5	471.2	436.6	424.5	413.9	425.3	398.9	418.5	429.8
35°	574.5	576.1	562.5	504.4	503.7	489.3	487.1	460.7	474.3	459.2	501.4
37.5°	653.7	649.9	628.1	600.2	601.7	572.3	541.4	543.6	521.8	523.3	563.2
40°	758.5	757.0	741.2	718.6	685.4	648.4	629.6	620.5	603.2	591.1	628.8
42.5°	855.8	865.6	858.8	829.4	780.4	763.8	718.6	700.5	695.2	675.6	706.5
45°	976.4	975.7	974.9	945.5	913.8	879.2	812.1	802.2	793.2	790.9	824.9
47.5°	1066.9	1067.7	1070.7	1051.1	1029.2	980.2	913.8	911.6	916.9	911.6	954.6
50°	1128.0	1134.8	1146.1	1141.5	1112.1	1079.0	1037.5	1030.0	1036.7	1033.7	1102.3
52.5°	1168.7	1177.0	1190.6	1198.8	1167.2	1152.9	1135.5	1125.7	1158.1	1158.9	1237.3
55°	1184.5	1193.6	1207.1	1223.7	1199.6	1202.6	1195.8	1194.3	1246.4	1258.4	1361.7
57.5°	1171.7	1180.0	1195.1	1215.4	1208.7	1233.5	1219.2	1226.0	1306.7	1338.3	1471.8
60°	1137.8	1145.3	1161.9	1195.8	1186.8	1216.2	1209.4	1241.8	1346.6	1416.8	1599.2
62.5°	1081.2	1090.3	1108.4	1140.8	1145.3	1171.0	1177.7	1232.8	1373.8	1495.9	1769.6
65°	1011.9	1014.1	1030.7	1057.1	1067.7	1072.9	1103.8	1171.0	1353.4	1551.7	1897.0
67.5°	907.1	912.3	922.9	938.7	947.0	919.1	944.8	1014.1	1197.3	1434.8	1802.8
70°	643.2	642.4	665.8	733.6	754.0	691.4	689.9	732.9	882.9	1109.9	1442.4
72.5°	438.8	444.1	454.7	475.8	540.6	521.0	514.2	491.6	550.4	676.3	953.0
75°	334.0	336.3	380.0	415.5	459.2	479.5	492.4	465.2	443.3	423.7	545.9
77.5°	113.9	123.7	144.8	198.3	309.9	377.8	420.0	459.2	485.6	465.2	450.9
80°	24.9	25.6	28.7	38.5	108.6	195.3	245.0	312.9	389.8	433.5	471.2
82.5°	10.6	11.3	13.6	16.6	25.6	72.4	101.8	117.6	159.1	210.4	343.1
85°	3.8	3.8	4.5	6.0	9.8	18.1	27.1	29.4	45.2	66.4	112.3
87.5°	1.5	1.5	1.5	2.3	3.0	4.5	5.3	6.0	7.5	15.8	37.7
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	27.9	27.1	27.1	27.1	26.4	24.1	22.6	19.6	18.1	16.6	15.8
5°	33.2	30.9	29.4	29.4	27.1	26.4	25.6	21.9	17.3	15.1	13.6
7.5°	40.0	36.9	34.7	33.9	30.9	27.1	25.6	23.4	17.3	14.3	12.8
10°	67.1	47.5	43.7	42.2	37.7	33.2	30.2	28.7	21.1	16.6	15.1
12.5°	85.2	75.4	67.9	59.6	44.5	40.0	33.9	28.7	21.9	16.6	13.6
15°	98.8	88.2	77.7	76.9	63.3	51.3	41.5	36.2	25.6	21.1	17.3
17.5°	142.5	110.1	95.8	95.0	80.7	56.5	47.5	35.4	27.9	20.4	16.6
20°	162.1	138.0	115.4	119.1	104.8	82.9	60.3	46.0	33.2	27.1	21.9
22.5°	208.1	187.0	161.4	144.8	121.4	98.0	66.4	51.3	37.7	27.9	22.6
25°	241.3	214.1	204.3	202.1	167.4	131.9	88.2	60.3	42.2	30.9	27.1
27.5°	298.6	278.2	245.0	241.3	190.8	144.8	110.8	71.6	46.7	33.9	28.7
30°	336.3	321.2	309.9	301.6	239.0	174.2	125.9	81.4	50.5	35.4	29.4
32.5°	410.2	381.5	356.6	343.8	303.1	220.2	152.3	93.5	55.0	37.7	32.4
35°	470.5	467.5	431.3	428.3	369.5	281.2	185.5	109.3	57.3	38.5	31.7
37.5°	549.7	532.3	515.0	505.9	450.9	345.3	227.0	134.2	67.1	40.0	31.7
40°	613.0	595.7	588.9	580.6	508.2	407.9	280.5	146.3	68.6	40.7	30.9
42.5°	693.7	666.5	672.6	663.5	586.6	491.6	334.0	174.9	73.9	40.7	29.4
45°	796.2	781.9	788.7	773.6	697.4	598.7	389.8	203.6	81.4	40.0	27.1
47.5°	927.4	919.1	926.7	900.3	842.2	739.7	506.7	255.6	91.2	39.2	25.6
50°	1066.9	1079.0	1068.4	1043.5	1018.6	890.5	643.2	319.7	105.6	37.7	24.1
52.5°	1230.5	1232.0	1213.2	1212.4	1213.2	1087.3	785.7	396.6	123.7	36.2	22.6
55°	1385.8	1404.7	1394.9	1406.2	1423.5	1336.8	960.6	484.8	148.5	33.9	21.1
57.5°	1544.9	1612.0	1639.2	1674.6	1707.8	1660.3	1196.6	613.0	178.7	31.7	19.6
60°	1750.8	1933.2	2049.4	2092.3	2120.2	2023.0	1502.7	776.6	222.4	29.4	17.3
62.5°	2016.9	2308.7	2479.9	2529.6	2491.9	2288.4	1680.7	898.8	257.9	27.9	15.1
65°	2192.6	2516.1	2694.0	2662.4	2617.9	2318.5	1705.5	910.1	265.4	24.9	13.6
67.5°	2088.6	2387.1	2565.1	2517.6	2485.2	2167.7	1529.1	838.4	247.3	21.1	12.1
70°	1730.4	2032.8	2188.8	2149.6	2173.0	1839.7	1250.9	710.3	219.4	18.1	10.6
72.5°	1243.3	1480.8	1640.7	1616.6	1679.1	1322.5	921.4	558.7	182.5	15.1	9.0
75°	759.3	977.2	1015.6	978.7	934.2	674.8	444.9	303.9	117.6	11.3	6.8
77.5°	464.5	533.1	470.5	476.5	375.5	168.9	83.7	62.6	33.2	9.0	4.5
80°	442.6	400.4	323.5	314.4	216.4	65.6	36.9	27.9	14.3	6.8	3.8
82.5°	462.2	484.8	413.9	383.0	229.2	58.1	30.2	22.6	11.3	5.3	3.0
85°	191.5	432.0	401.1	365.7	211.9	45.2	24.1	16.6	7.5	3.8	3.0
87.5°	74.6	123.7	113.9	101.8	67.1	22.6	18.8	13.6	5.3	3.0	3.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
2.5°	15.1	14.3	13.6	13.6	12.8	12.8	12.1	12.1	12.1	12.1	12.1
5°	12.8	12.1	11.3	10.6	9.8	9.8	10.6	11.3	11.3	12.1	11.3
7.5°	11.3	10.6	9.0	9.8	9.8	8.3	6.0	5.3	5.3	6.0	6.0
10°	12.1	10.6	11.3	6.8	5.3	4.5	5.3	5.3	5.3	6.8	8.3
12.5°	12.1	12.8	9.0	8.3	7.5	6.8	8.3	7.5	6.8	7.5	7.5
15°	15.8	11.3	9.8	8.3	9.0	9.8	9.0	8.3	7.5	7.5	8.3
17.5°	13.6	12.1	11.3	12.8	12.1	9.8	9.0	9.8	9.8	9.0	8.3
20°	18.1	15.8	15.1	12.8	11.3	11.3	11.3	9.8	9.0	9.0	9.8
22.5°	20.4	17.3	17.3	15.8	14.3	11.3	11.3	10.6	10.6	9.8	9.0
25°	24.1	22.6	19.6	15.8	15.1	13.6	12.8	10.6	10.6	9.8	9.8
27.5°	25.6	22.6	19.6	18.1	15.8	12.8	12.8	10.6	9.8	9.8	9.0
30°	27.1	23.4	20.4	18.1	15.8	13.6	12.8	10.6	9.8	9.0	9.0
32.5°	28.7	24.1	19.6	17.3	15.1	12.8	12.1	10.6	9.0	8.3	8.3
35°	27.1	22.6	19.6	17.3	14.3	12.1	11.3	9.8	8.3	8.3	7.5
37.5°	25.6	21.1	18.1	15.8	13.6	11.3	9.8	8.3	7.5	6.8	6.8
40°	24.1	19.6	16.6	14.3	12.1	10.6	9.0	6.8	6.0	5.3	5.3
42.5°	21.9	18.1	15.1	12.8	10.6	8.3	7.5	6.0	4.5	3.8	3.8
45°	21.1	16.6	13.6	11.3	9.0	7.5	6.0	4.5	3.0	2.3	2.3
47.5°	19.6	15.1	12.1	9.8	7.5	6.0	4.5	3.0	2.3	1.5	1.5
50°	18.1	14.3	10.6	8.3	6.0	4.5	3.0	2.3	1.5	0.8	0.8
52.5°	16.6	12.8	9.0	6.8	5.3	3.8	2.3	1.5	0.8	0.8	0.0
55°	15.1	10.6	8.3	6.0	3.8	2.3	1.5	0.8	0.8	0.0	0.0
57.5°	12.8	9.0	6.8	4.5	3.0	1.5	0.8	0.8	0.8	0.0	0.0
60°	11.3	7.5	5.3	3.8	2.3	1.5	0.8	0.8	0.0	0.0	0.0
62.5°	9.8	6.8	4.5	3.0	1.5	0.8	0.8	0.8	0.0	0.0	0.0
65°	8.3	5.3	3.8	2.3	1.5	0.8	0.8	0.8	0.8	0.0	0.0
67.5°	7.5	4.5	3.0	2.3	1.5	0.8	0.8	0.8	0.8	0.8	0.0
70°	6.8	3.8	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
72.5°	5.3	3.0	2.3	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8
75°	3.8	2.3	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8
77.5°	3.0	2.3	1.5	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5
80°	2.3	1.5	1.5	2.3	2.3	2.3	0.8	1.5	1.5	1.5	1.5
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.8	2.3	2.3	2.3	1.5
85°	2.3	2.3	2.3	2.3	3.0	3.0	0.8	3.0	3.0	2.3	2.3
87.5°	3.0	2.3	3.0	3.0	3.0	3.8	0.8	3.0	3.0	3.0	3.0
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):

	160°	165°	170°	175°	180°
0°	18.8	18.8	18.8	18.8	18.8
2.5°	12.1	12.8	12.8	12.8	12.8
5°	10.6	9.8	9.8	9.8	9.8
7.5°	6.0	6.0	6.8	6.8	6.8
10°	9.0	9.0	9.0	9.0	9.0
12.5°	7.5	8.3	8.3	8.3	8.3
15°	9.0	9.0	9.8	9.8	9.8
17.5°	8.3	8.3	9.0	9.0	9.0
20°	9.0	9.8	9.8	9.8	9.8
22.5°	8.3	8.3	9.8	9.8	10.6
25°	9.8	9.0	9.0	9.8	9.0
27.5°	9.0	9.0	9.8	9.8	9.8
30°	9.0	8.3	8.3	9.0	9.0
32.5°	8.3	8.3	8.3	8.3	8.3
35°	7.5	7.5	8.3	8.3	8.3
37.5°	6.8	6.0	6.8	6.8	6.8
40°	5.3	5.3	5.3	6.0	6.0
42.5°	3.8	3.8	3.8	3.8	3.8
45°	2.3	2.3	2.3	2.3	2.3
47.5°	1.5	0.8	1.5	1.5	1.5
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.0	0.8	0.8	0.8	0.8
55°	0.0	0.8	0.8	0.8	0.8
57.5°	0.0	0.0	0.8	0.8	0.8
60°	0.0	0.0	0.8	0.8	0.8
62.5°	0.0	0.0	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.8	0.8	1.5	0.8	0.8
77.5°	1.5	1.5	1.5	1.5	0.8
80°	1.5	1.5	1.5	1.5	0.8
82.5°	1.5	1.5	2.3	1.5	0.8
85°	2.3	2.3	2.3	2.3	0.8
87.5°	2.3	2.3	3.0	3.0	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)