

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: P179378

Luminaire Tested: **UTLD-E01-LED-E-U-T4-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179378
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
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-T4-HSS-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1466.2 lumens
Efficiency: N/A
Efficacy: 59.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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



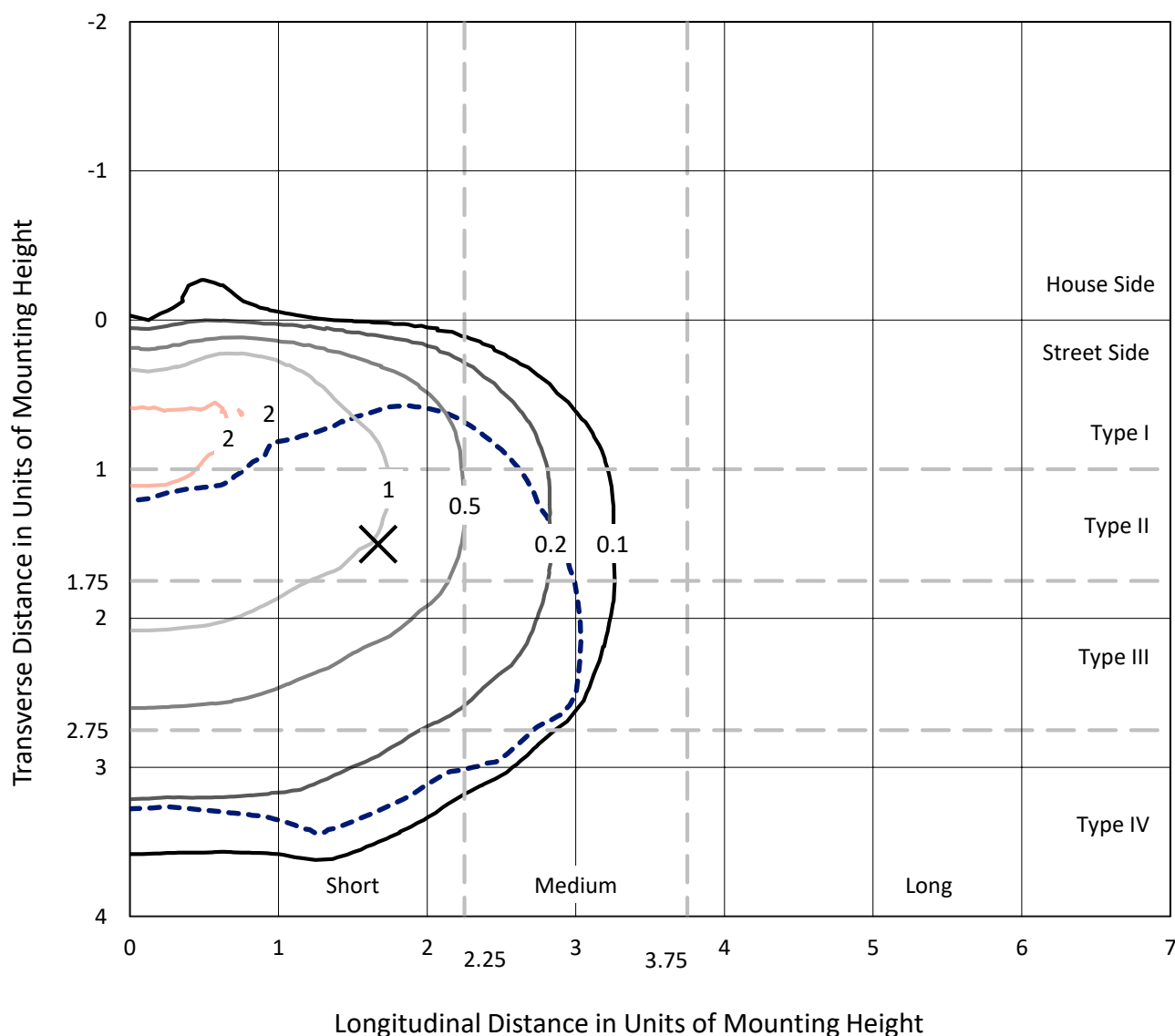
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

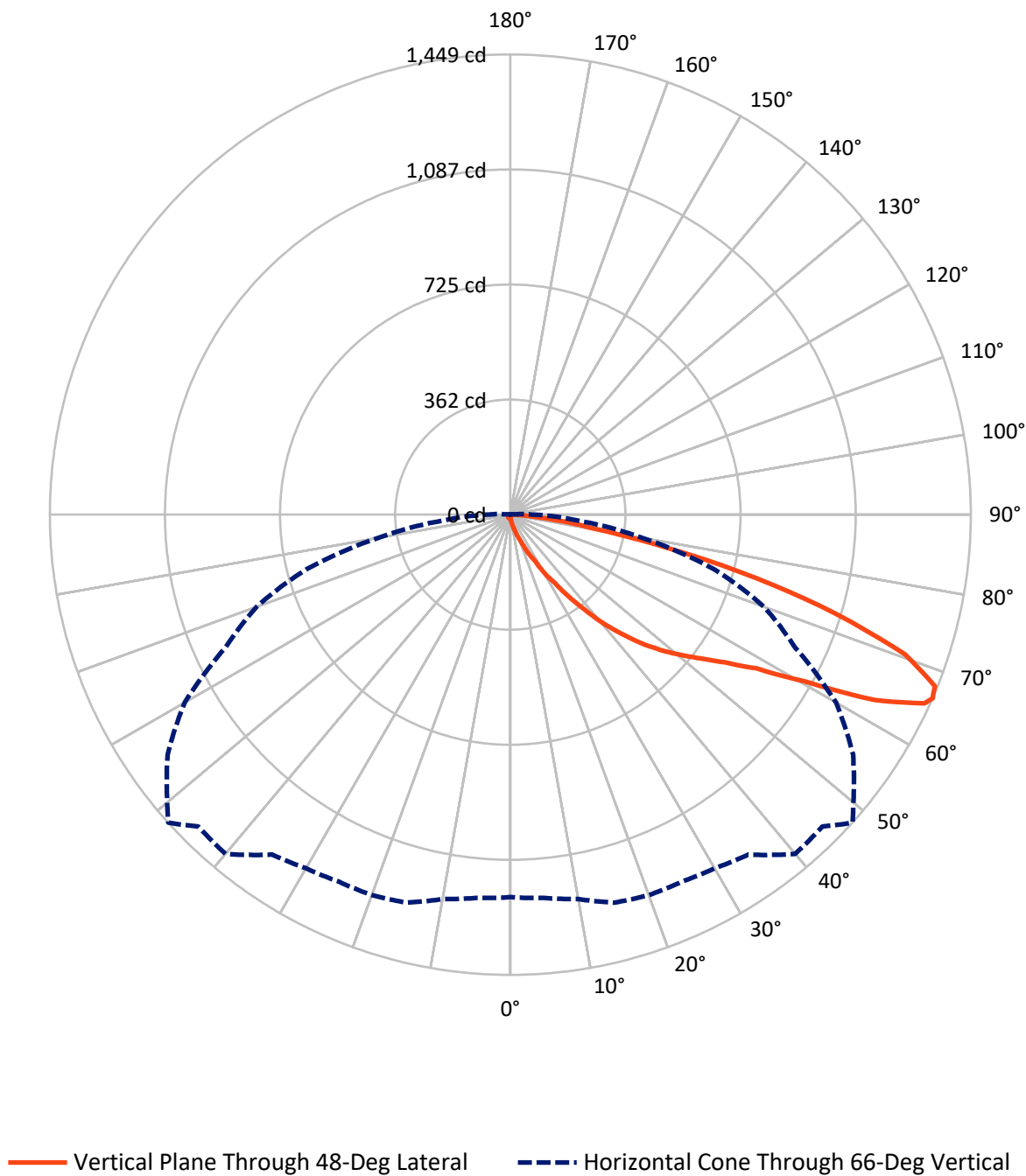


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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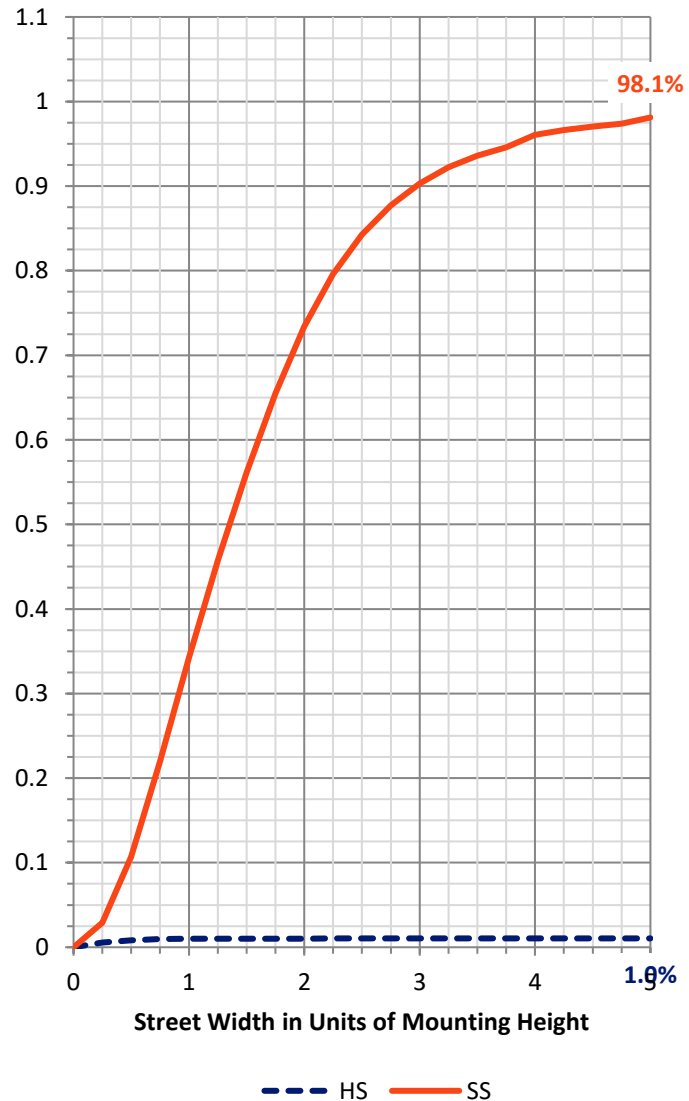
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15.7	0.0	15.7
	% Fixture	1.1	0.0	1.1
Street Side	Lumens	1450.5	0.0	1450.5
	% Fixture	98.9	0.0	98.9
Total	Lumens	1466.2	0.0	1466.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	9.1	0.6
20°-30°	34.8	2.4
30°-40°	97.5	6.7
40°-50°	189.4	12.9
50°-60°	310.4	21.2
60°-70°	505.9	34.5
70°-80°	285.1	19.4
80°-90°	32.6	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°	1466.2	100.0
0°-180°	1466.2	100.0

Coefficient of Utilization



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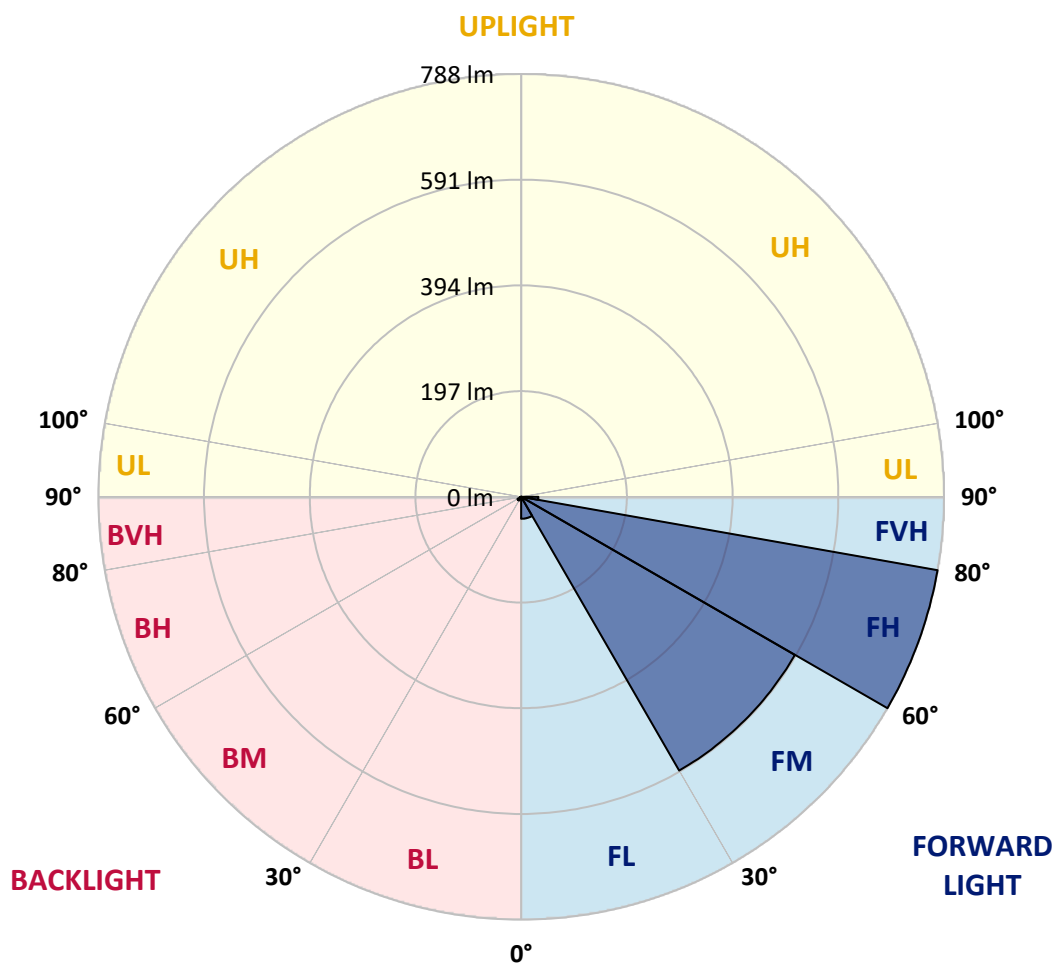
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	41.0	2.8			
FM	(30°-60°)	589.2	40.2			
FH	(60°-80°)	788.2	53.8			G1/1800
FVH	(80°-90°)	32.1	2.2			G1/100
BL	(0°-30°)	4.3	0.3	B0/110		
BM	(30°-60°)	8.1	0.6	B0/220		
BH	(60°-80°)	2.8	0.2	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	48°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	14.8	14.8	14.8	14.8	14.3	13.9	13.9	13.5	13.5	13.5	13.5
5°	21.5	21.5	20.3	19.8	19.0	18.6	17.7	17.3	16.9	16.0	16.0
7.5°	34.2	33.8	33.8	33.3	32.9	32.1	30.8	30.0	28.7	21.9	20.3
10°	43.5	43.9	43.0	42.6	40.1	38.8	37.1	35.4	35.0	32.1	30.4
12.5°	59.9	60.3	59.5	59.1	57.4	56.1	53.2	51.1	42.6	39.2	38.8
15°	85.7	85.7	81.4	73.0	70.5	67.5	62.9	62.0	62.5	57.0	49.8
17.5°	100.0	100.4	99.2	97.1	94.5	91.6	88.6	78.5	73.0	68.4	66.3
20°	136.3	136.3	133.8	129.6	114.4	108.5	108.0	103.0	99.2	87.4	82.7
22.5°	157.4	159.5	156.6	153.6	148.5	150.2	143.1	121.5	122.0	111.0	106.8
25°	206.8	207.2	202.6	199.2	197.5	172.2	165.4	168.8	155.7	141.8	138.4
27.5°	257.4	260.4	232.5	226.2	226.2	220.7	223.2	199.2	195.8	178.5	165.0
30°	295.4	296.7	292.0	281.0	276.8	275.6	253.6	255.3	234.6	208.0	216.9
32.5°	364.2	366.3	357.4	353.2	323.2	311.9	298.4	298.8	273.5	269.2	255.3
35°	447.7	449.8	438.5	402.6	397.5	381.5	373.9	344.3	339.7	317.8	317.8
37.5°	503.0	495.8	485.3	471.8	474.7	453.6	429.2	424.5	399.2	382.7	378.1
40°	544.4	546.5	545.6	538.9	524.1	504.3	496.3	484.9	464.2	447.7	449.8
42.5°	580.2	584.5	587.8	578.1	566.3	557.9	546.5	539.3	522.4	501.8	511.9
45°	616.1	619.5	626.7	620.8	612.3	611.0	583.6	590.4	576.9	560.4	577.3
47.5°	657.9	661.3	666.8	667.2	666.3	648.6	625.8	635.9	633.0	613.2	636.8
50°	704.7	705.2	714.9	721.6	708.5	694.6	672.7	677.7	682.4	667.2	694.6
52.5°	755.4	760.9	768.0	772.7	754.5	747.8	729.2	728.4	738.1	722.5	752.0
55°	832.2	834.7	838.1	839.8	816.1	818.7	791.7	789.1	803.5	786.6	821.6
57.5°	928.8	935.6	942.7	939.4	914.9	912.8	876.1	863.8	888.7	878.6	913.2
60°	1075.7	1082.0	1087.5	1091.3	1077.8	1069.8	1013.2	1004.3	1046.1	1025.4	1066.8
62.5°	1229.3	1236.0	1242.4	1268.9	1255.0	1244.9	1210.3	1210.3	1261.3	1246.2	1285.8
65°	1227.2	1236.9	1251.2	1286.2	1292.6	1287.9	1286.7	1302.7	1382.0	1377.0	1432.7
66°	1204.4	1211.1	1229.3	1264.7	1274.8	1275.3	1285.8	1306.5	1394.3	1388.8	1449.1
67.5°	1151.2	1159.6	1179.1	1221.3	1231.8	1239.8	1267.3	1283.7	1382.5	1379.1	1441.1
70°	1030.9	1034.7	1052.9	1096.8	1122.1	1117.9	1159.2	1165.6	1261.3	1273.6	1317.5
72.5°	794.2	789.1	844.4	905.2	946.5	930.5	960.5	962.1	1043.6	1042.3	1077.4
75°	422.4	425.4	460.0	541.0	692.5	697.1	703.0	702.6	768.9	768.5	799.7
77.5°	267.1	274.3	287.4	311.9	387.8	443.1	464.6	455.8	484.9	495.0	511.0
80°	108.0	112.7	128.3	168.4	259.1	280.6	287.4	274.3	279.8	266.3	266.3
82.5°	35.9	36.3	41.4	52.3	132.9	185.7	191.2	161.6	159.1	154.5	154.5
85°	19.4	19.4	20.3	27.4	51.5	100.0	109.7	73.8	72.6	61.6	57.0
87.5°	1.7	2.1	1.7	4.6	8.0	15.2	17.7	18.6	21.1	24.1	19.4
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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	13.5	13.5	13.5	13.9	13.9	13.5	13.1	11.8	11.4	10.5	9.7
5°	15.6	15.2	14.3	13.9	13.5	13.1	13.1	12.2	10.5	9.3	8.0
7.5°	19.8	17.7	16.5	15.6	14.3	13.1	12.7	12.7	10.1	8.4	7.6
10°	29.5	28.7	21.9	19.0	17.3	16.0	15.2	15.6	12.7	10.1	9.7
12.5°	38.0	35.9	32.1	25.3	19.8	18.1	16.5	14.8	12.7	10.1	8.9
15°	47.7	42.6	38.8	34.6	28.3	23.2	20.3	19.0	15.6	13.1	11.4
17.5°	64.1	62.5	48.1	42.2	36.3	26.2	22.8	18.6	16.5	12.7	11.4
20°	80.2	73.8	62.9	55.3	47.3	36.7	29.1	24.5	19.8	16.9	15.2
22.5°	101.7	95.8	84.0	65.8	56.1	46.8	33.3	29.1	22.8	19.0	16.9
25°	137.6	118.2	104.2	91.6	76.4	61.6	42.2	31.6	25.3	21.1	18.6
27.5°	165.4	154.0	136.7	116.9	89.5	71.3	53.2	36.3	28.3	23.2	19.8
30°	224.5	186.5	180.6	153.2	117.3	84.8	60.8	41.8	29.5	23.6	20.3
32.5°	260.8	248.1	218.6	188.6	154.0	113.9	76.4	46.4	31.6	24.1	21.5
35°	325.4	294.6	278.9	247.7	200.4	146.0	91.6	55.3	31.6	24.5	21.1
37.5°	392.0	359.5	329.6	297.5	242.2	173.9	110.6	62.5	33.8	23.2	19.8
40°	446.5	415.2	374.3	343.1	277.3	203.0	133.4	67.1	32.5	22.4	18.1
42.5°	508.1	470.9	426.2	392.5	317.8	242.6	151.9	78.9	33.3	21.5	16.5
45°	565.9	525.8	480.7	433.4	357.0	280.6	173.4	85.7	36.3	21.1	14.8
47.5°	619.9	577.7	535.1	468.8	405.5	320.7	206.4	102.1	38.8	19.8	13.5
50°	668.4	628.4	581.1	506.0	445.2	350.7	238.0	113.9	41.8	18.1	12.2
52.5°	723.7	682.4	620.8	545.2	481.9	389.1	266.3	130.0	45.6	16.5	11.0
55°	792.1	740.2	680.7	609.8	525.0	438.5	298.4	145.2	50.6	14.8	9.7
57.5°	876.9	833.0	772.3	689.1	589.5	487.0	337.2	164.6	55.3	13.5	8.9
60°	1031.4	974.4	917.0	819.1	685.7	564.6	384.0	189.9	62.9	12.2	8.0
62.5°	1250.4	1188.3	1095.5	953.7	811.1	638.1	430.0	215.2	71.3	11.0	7.6
65°	1389.6	1304.4	1180.3	995.9	857.1	671.8	433.8	214.8	72.2	10.1	6.8
66°	1409.5	1316.6	1183.3	988.3	850.3	663.4	423.7	211.8	70.9	9.3	6.3
67.5°	1407.4	1304.8	1161.3	956.7	816.6	633.4	390.8	197.1	67.1	8.9	5.9
70°	1297.2	1195.1	1043.6	847.4	714.0	547.3	335.9	169.2	57.4	7.6	5.1
72.5°	1077.4	980.7	843.6	671.8	575.6	433.0	257.4	132.9	45.2	6.3	4.2
75°	795.9	703.5	599.2	466.7	379.0	273.9	160.4	86.1	29.5	5.1	3.4
77.5°	496.7	418.6	317.8	237.6	176.8	113.9	56.5	29.1	12.7	4.2	2.5
80°	262.1	213.5	154.0	111.4	81.9	51.1	26.2	13.5	6.8	3.4	1.7
82.5°	151.1	127.0	94.1	70.1	54.9	35.9	19.4	11.0	5.1	2.1	1.3
85°	54.4	46.8	52.3	39.7	30.0	19.8	13.9	8.9	3.4	1.7	1.3
87.5°	20.3	16.5	14.8	12.7	12.2	12.2	11.4	6.8	2.1	1.3	1.3
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
2.5°	9.3	8.4	8.4	8.0	8.0	7.6	7.6	7.6	7.6	7.6	8.0
5°	7.6	7.2	7.2	7.2	6.8	6.8	7.6	8.0	8.4	8.9	8.4
7.5°	7.6	7.2	6.8	7.2	8.0	6.3	5.1	4.6	4.2	4.6	4.6
10°	8.4	8.0	8.9	5.9	4.2	3.8	4.2	4.2	4.2	5.5	6.8
12.5°	8.4	8.9	6.8	5.9	5.9	5.5	6.8	5.9	5.9	5.9	5.9
15°	11.4	8.4	7.2	6.3	7.2	7.6	7.6	7.2	6.3	5.9	7.2
17.5°	9.7	8.9	8.4	10.1	9.3	8.0	7.2	8.0	8.4	7.6	6.8
20°	13.5	12.2	11.8	10.1	9.3	9.3	9.7	8.0	7.6	7.6	8.4
22.5°	14.3	13.1	13.5	12.7	12.2	9.7	9.3	8.9	8.9	8.0	8.0
25°	17.3	17.7	15.6	13.5	12.2	11.4	10.5	8.9	8.9	8.0	8.4
27.5°	18.6	17.3	15.6	14.8	13.5	11.0	10.5	9.3	8.4	8.4	7.6
30°	19.4	17.7	16.5	14.8	13.1	11.8	10.5	8.9	8.0	8.0	7.6
32.5°	20.7	18.6	15.6	13.9	12.7	10.5	10.1	8.4	7.6	6.8	6.8
35°	19.0	16.9	14.8	13.1	11.0	9.7	8.9	8.0	6.8	6.3	5.9
37.5°	16.9	14.8	13.1	11.4	10.1	8.9	8.0	6.8	5.9	5.5	5.1
40°	15.2	12.7	11.4	9.7	8.9	7.6	6.8	5.5	4.6	4.2	3.8
42.5°	13.5	11.0	9.7	8.4	7.2	6.3	5.5	4.2	3.4	3.0	2.5
45°	11.8	9.7	8.0	7.2	5.9	5.1	4.2	3.0	2.1	1.7	1.3
47.5°	10.5	8.4	7.2	5.9	5.1	3.8	3.0	1.7	1.3	0.8	0.4
50°	9.3	7.2	5.9	5.1	3.8	3.0	2.1	1.3	0.8	0.4	0.4
52.5°	8.0	6.3	5.5	4.2	3.4	2.1	1.3	0.8	0.4	0.4	0.0
55°	7.2	5.9	4.6	3.4	2.5	1.7	0.8	0.4	0.4	0.0	0.0
57.5°	6.8	5.5	3.8	2.5	2.1	1.3	0.8	0.4	0.4	0.0	0.0
60°	6.3	4.6	3.0	2.1	1.7	0.8	0.4	0.4	0.4	0.0	0.0
62.5°	5.9	3.8	2.5	1.7	1.3	0.8	0.4	0.4	0.4	0.4	0.0
65°	4.6	3.0	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
66°	4.2	2.5	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
67.5°	3.8	2.5	1.3	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
70°	3.0	1.7	1.3	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
72.5°	2.5	1.7	1.3	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
75°	2.1	1.3	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
77.5°	1.7	1.3	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4
80°	1.3	1.3	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.4	0.4
82.5°	1.3	0.8	0.8	0.8	0.8	1.3	0.4	0.8	0.8	0.8	0.8
85°	1.3	0.8	0.8	1.3	1.3	1.3	0.4	1.3	1.3	1.3	0.8
87.5°	1.3	1.3	1.3	1.3	1.7	1.7	0.8	1.7	1.7	1.7	1.3
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):

	160°	165°	170°	175°	180°
0°	11.4	11.4	11.4	11.4	11.4
2.5°	8.0	8.4	8.4	8.4	8.4
5°	8.4	7.6	8.0	8.0	8.0
7.5°	5.1	5.1	5.1	5.1	5.1
10°	7.2	7.2	7.2	7.2	7.2
12.5°	6.3	6.8	6.8	6.8	6.8
15°	7.6	8.0	8.0	8.0	8.4
17.5°	6.8	6.8	7.6	7.2	7.6
20°	8.0	8.0	8.0	8.0	8.0
22.5°	7.2	7.2	8.0	8.4	8.4
25°	8.0	7.6	7.6	7.6	7.6
27.5°	7.6	8.0	8.0	8.0	8.0
30°	7.2	6.8	7.2	7.2	7.6
32.5°	6.8	6.8	6.8	6.8	6.8
35°	5.9	5.9	5.9	6.3	6.3
37.5°	4.6	4.6	5.1	5.1	5.1
40°	3.8	3.4	3.4	3.8	3.8
42.5°	2.5	2.1	2.1	2.1	2.1
45°	1.3	0.8	0.8	0.8	0.8
47.5°	0.4	0.4	0.4	0.4	0.4
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	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
65°	0.0	0.0	0.0	0.0	0.0
66°	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.0
85°	0.8	0.8	0.8	0.8	0.0
87.5°	1.3	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)