

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: P157150

Luminaire Tested: **UTLD-E01-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157150
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33662)
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-T3
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2695.5 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B1 - 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



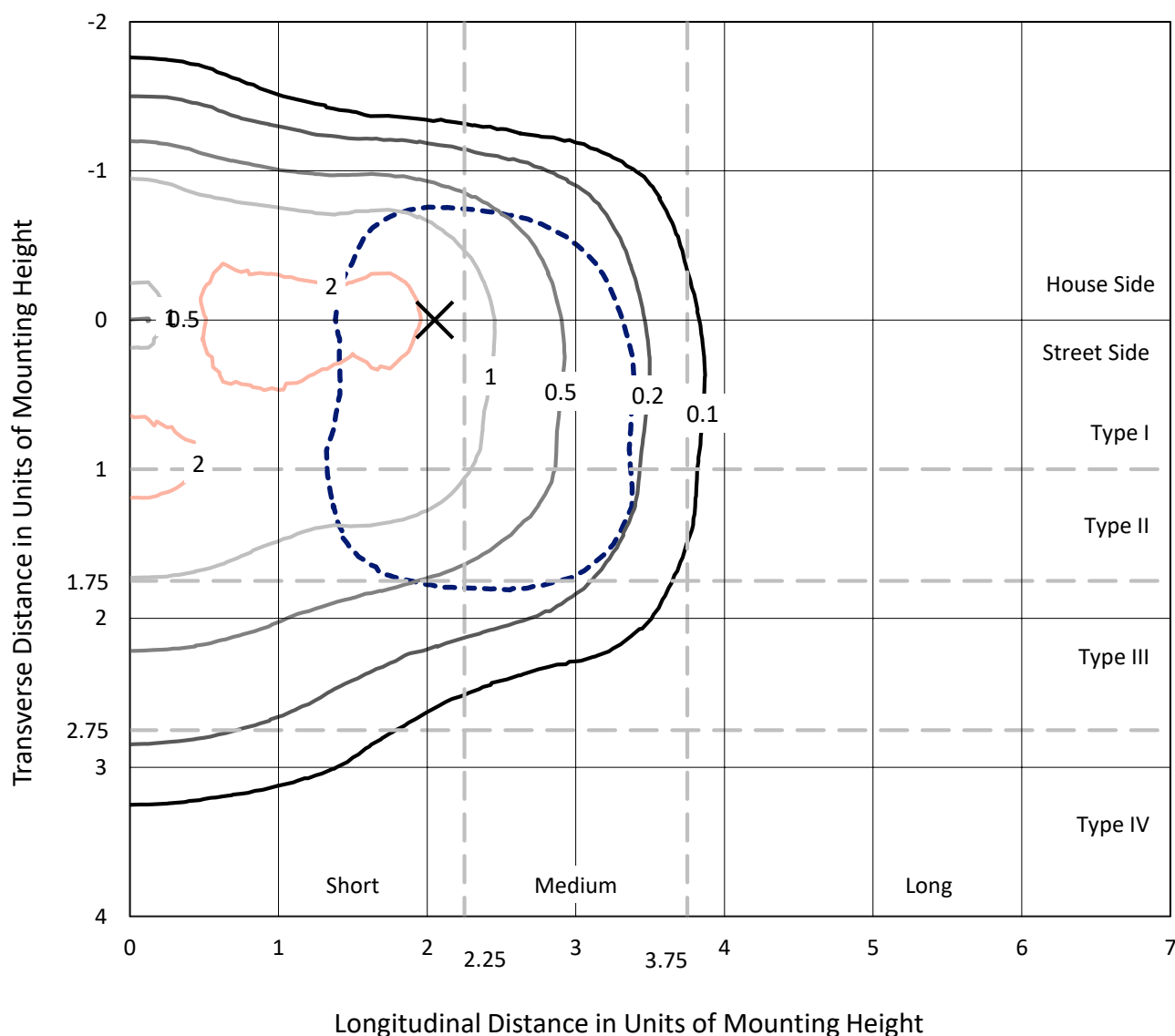
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

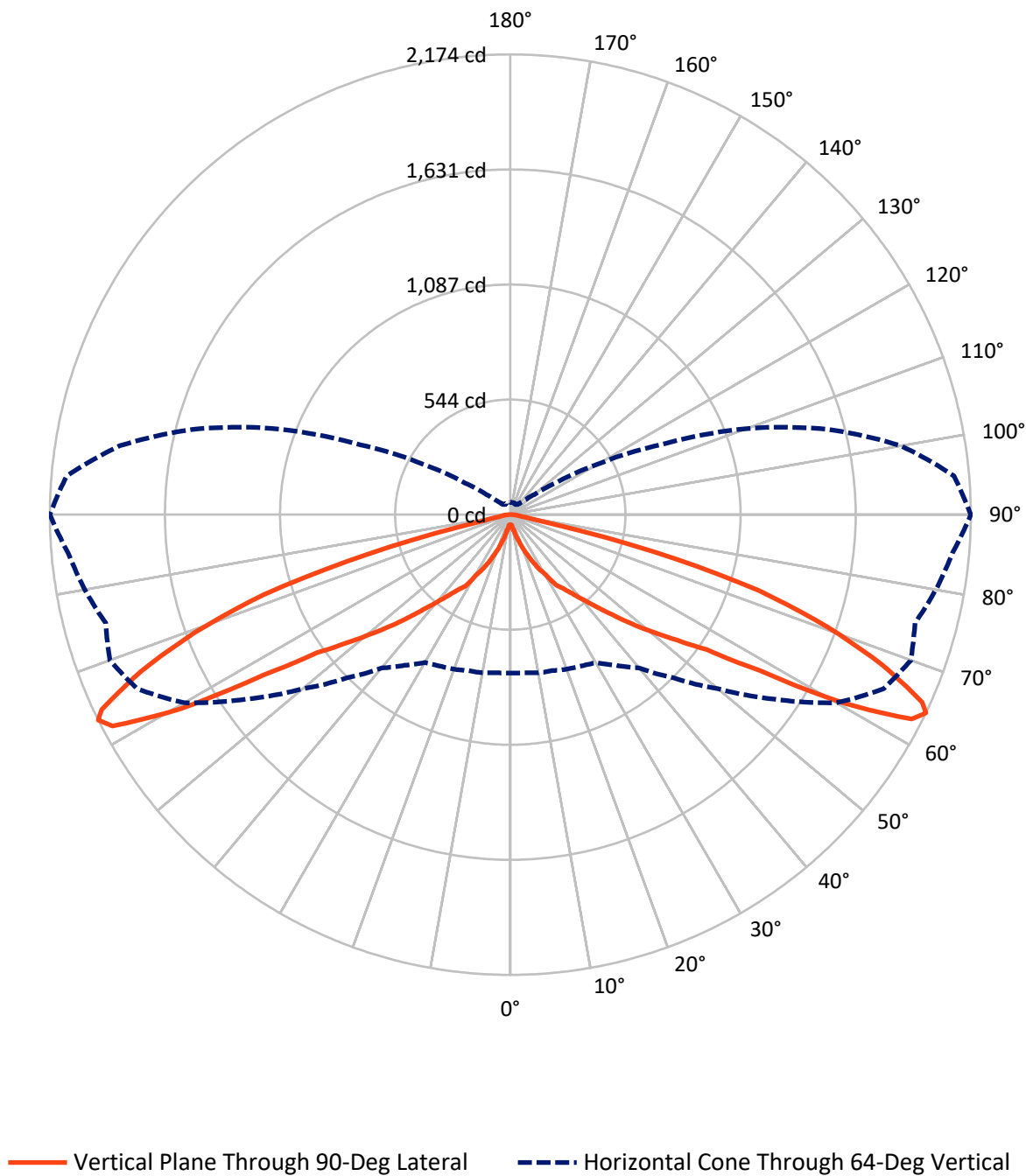


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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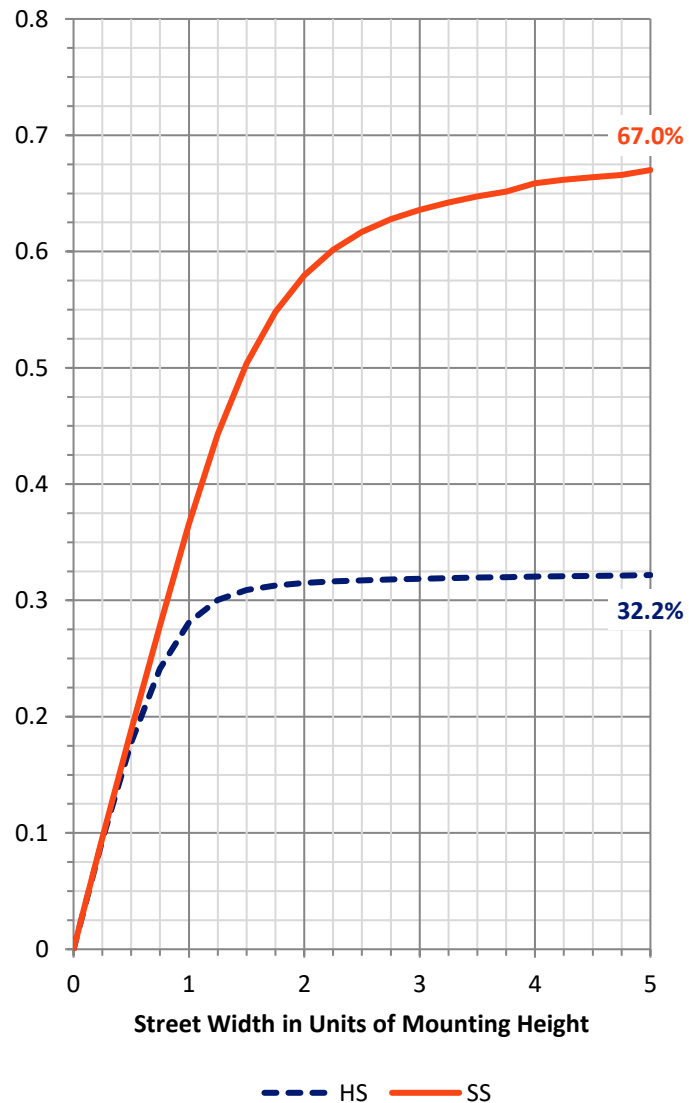
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	876.0	0.0	876.0
	% Fixture	32.5	0.0	32.5
Street Side	Lumens	1819.5	0.0	1819.5
	% Fixture	67.5	0.0	67.5
Total	Lumens	2695.5	0.0	2695.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.2
10°-20°	35.4	1.3
20°-30°	104.4	3.9
30°-40°	220.6	8.2
40°-50°	386.7	14.3
50°-60°	615.8	22.8
60°-70°	863.5	32.0
70°-80°	391.1	14.5
80°-90°	71.4	2.6
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°	2695.5	100.0
0°-180°	2695.5	100.0

Coefficient of Utilization



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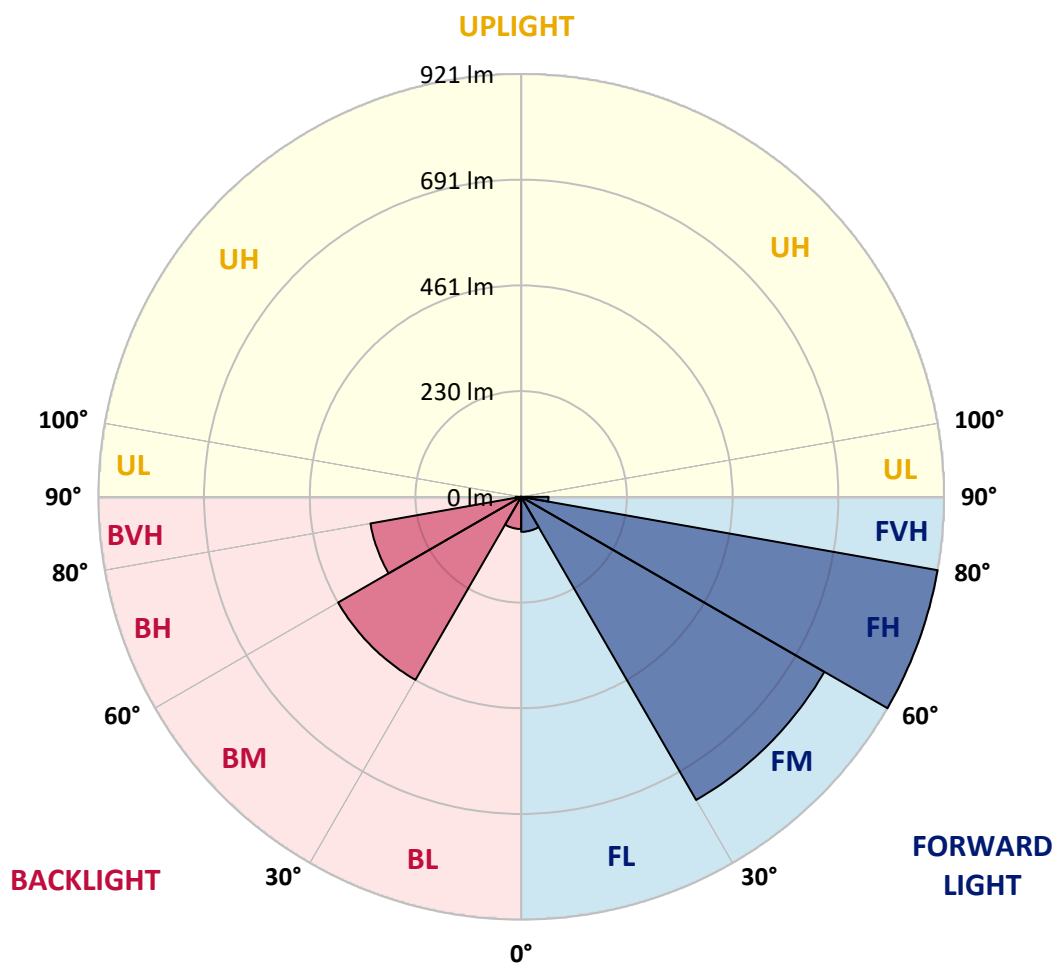
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.3	2.8			
FM	(30°-60°)	762.6	28.3			
FH	(60°-80°)	921.1	34.2			G1/1800
FVH	(80°-90°)	59.5	2.2			G1/100
BL	(0°-30°)	70.1	2.6	B0/110		
BM	(30°-60°)	460.4	17.1	B1/1000		
BH	(60°-80°)	333.5	12.4	B1/500		G1/500
BVH	(80°-90°)	11.9	0.4			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	78.0	79.0	78.5	79.0	79.5	79.0	79.0	78.5	79.0	79.5	79.5
5°	63.5	64.0	64.0	63.5	64.0	64.0	64.0	64.0	64.0	64.0	64.0
7.5°	95.0	95.5	96.0	95.0	95.0	95.5	94.5	81.0	65.5	64.5	63.5
10°	95.0	95.5	95.5	94.5	95.0	95.5	95.5	95.0	92.0	91.5	91.5
12.5°	122.0	122.5	123.0	123.0	123.0	119.5	115.0	96.5	94.0	118.5	120.5
15°	123.5	123.5	123.5	121.5	121.5	119.5	121.0	143.0	141.5	124.5	122.5
17.5°	152.0	152.0	152.0	151.5	148.0	148.0	149.0	144.0	144.5	145.0	171.0
20°	185.0	186.0	172.5	158.0	152.5	170.0	170.5	167.5	184.0	164.0	172.5
22.5°	193.5	193.5	193.0	188.5	189.5	201.5	194.0	187.5	191.5	181.0	195.5
25°	230.0	230.0	227.0	223.0	217.0	211.5	217.5	216.5	207.5	206.5	230.5
27.5°	246.5	239.5	238.0	233.0	246.5	243.5	248.5	226.0	245.0	240.5	253.5
30°	283.0	282.5	277.5	282.0	282.0	270.5	261.5	272.0	276.0	267.5	297.0
32.5°	335.0	334.5	328.5	325.0	300.5	298.0	303.5	305.0	304.5	307.0	316.0
35°	391.5	391.0	358.0	351.5	342.5	340.5	340.0	332.0	341.5	329.5	353.5
37.5°	429.0	433.0	414.0	409.5	398.0	385.0	374.5	379.5	368.0	366.5	384.0
40°	504.0	505.5	488.5	474.5	464.5	435.0	424.5	421.5	417.5	412.5	436.0
42.5°	574.5	572.5	557.5	546.5	534.0	505.5	475.0	471.5	470.5	466.0	486.5
45°	643.0	644.5	627.0	622.0	602.0	584.0	542.0	542.5	539.5	534.5	553.0
47.5°	705.5	709.0	699.5	684.0	668.0	653.5	621.5	619.5	612.5	614.0	636.0
50°	758.0	764.5	755.5	744.0	729.5	719.5	701.0	696.5	692.5	696.5	720.5
52.5°	794.0	799.5	803.0	788.5	788.5	775.5	769.5	765.0	766.5	778.5	807.0
55°	812.0	817.0	824.5	814.5	836.5	817.5	812.0	818.5	828.5	850.0	890.5
57.5°	812.0	815.0	824.5	826.5	839.5	826.0	836.0	850.0	871.5	909.0	966.0
60°	795.0	797.5	809.0	810.5	822.5	819.5	828.0	868.0	899.5	961.5	1053.0
62.5°	768.0	769.5	780.5	783.5	796.0	802.0	815.0	873.0	929.0	1037.0	1184.0
64°	748.5	749.5	758.5	763.0	777.0	788.5	806.5	869.0	945.5	1090.0	1280.0
65°	735.0	735.0	746.0	748.0	762.0	777.0	796.5	859.5	946.5	1110.0	1321.5
67.5°	682.0	679.5	690.5	695.5	701.0	713.0	725.0	790.5	887.5	1078.5	1310.5
70°	592.5	586.5	592.0	588.0	585.0	579.5	573.5	619.0	688.0	880.0	1110.0
72.5°	415.5	415.5	411.0	420.5	427.5	434.5	410.5	416.0	453.5	577.5	782.5
75°	279.0	282.0	290.0	313.0	335.5	356.0	364.0	364.5	333.0	342.5	475.0
77.5°	165.5	172.0	178.0	205.0	234.0	277.0	315.0	352.0	360.5	355.5	344.0
80°	74.5	76.5	85.0	95.5	113.5	143.0	198.5	257.5	324.5	358.0	351.0
82.5°	25.5	28.0	33.5	40.0	47.5	60.5	90.0	121.5	185.5	263.0	327.0
85°	8.5	9.5	13.0	18.0	20.0	23.0	30.5	45.0	73.5	103.5	197.0
87.5°	3.5	4.5	6.0	9.0	10.0	10.0	10.5	13.5	13.5	13.5	54.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	65.5	60.5	53.5	52.0	50.0	49.5	49.0	49.0	48.5	49.0	49.0
5°	70.0	74.0	77.0	75.0	55.5	53.0	49.0	48.5	49.0	49.0	51.5
7.5°	63.5	63.5	60.5	69.5	70.0	52.0	48.0	49.0	49.5	50.0	58.0
10°	68.5	87.0	86.5	88.0	100.5	98.5	73.5	72.0	72.5	76.0	100.5
12.5°	122.0	113.0	89.0	93.0	92.0	102.0	78.5	75.5	77.5	96.5	94.0
15°	122.5	140.5	143.5	126.5	120.0	127.0	114.5	109.0	105.5	125.5	108.0
17.5°	145.5	144.0	147.0	135.5	128.0	126.0	138.0	135.0	129.5	120.5	112.0
20°	161.0	172.0	175.5	198.0	184.5	179.0	183.0	172.5	166.5	169.0	168.5
22.5°	197.5	213.0	201.5	206.0	210.0	224.0	219.0	203.0	207.0	208.0	201.5
25°	209.0	234.5	251.0	259.5	262.5	253.5	266.0	247.5	253.5	245.0	251.0
27.5°	259.0	260.5	273.5	270.5	291.0	301.5	301.0	291.0	293.5	298.5	305.0
30°	273.5	279.0	305.0	314.0	325.5	333.5	324.0	328.0	320.5	331.0	332.5
32.5°	319.0	314.0	323.5	361.5	388.0	401.5	388.0	396.0	387.5	391.0	373.5
35°	346.0	369.5	376.0	394.0	414.0	433.0	429.0	427.5	426.5	433.5	397.0
37.5°	401.5	406.5	410.0	433.0	451.0	476.0	477.0	471.5	481.0	461.0	429.5
40°	438.0	446.0	450.5	466.0	502.5	522.5	537.5	526.5	540.0	500.0	477.5
42.5°	492.5	489.0	497.0	521.0	566.0	578.0	599.0	592.0	612.5	569.5	525.0
45°	564.0	561.0	562.5	578.0	639.0	647.5	668.5	674.0	684.0	630.5	585.0
47.5°	644.5	646.0	646.0	661.5	711.5	728.5	752.5	769.0	765.5	695.5	650.0
50°	735.0	742.0	731.5	753.0	790.5	821.0	834.5	870.0	857.0	786.0	735.5
52.5°	835.0	846.5	837.0	855.0	890.5	929.0	951.5	985.0	962.5	903.0	814.0
55°	934.0	954.0	965.0	984.5	1030.0	1066.5	1076.5	1124.0	1092.5	1034.0	900.0
57.5°	1038.0	1080.5	1120.0	1146.5	1223.0	1265.5	1287.0	1390.0	1351.5	1289.5	1082.5
60°	1172.5	1301.5	1409.0	1468.5	1569.5	1613.0	1699.0	1808.0	1780.5	1689.0	1409.5
62.5°	1393.0	1622.5	1786.5	1863.0	1887.0	1943.5	2024.0	2127.0	2084.5	1873.5	1581.5
64°	1519.0	1778.0	1944.5	2012.0	1978.0	2040.0	2095.0	2174.0	2102.5	1872.0	1555.0
65°	1572.5	1836.0	1995.5	2059.5	1991.0	2042.0	2087.5	2137.0	2047.5	1823.0	1490.0
67.5°	1586.0	1840.0	1982.5	2020.5	1907.0	1892.0	1899.5	1894.5	1774.5	1569.5	1272.5
70°	1383.0	1626.5	1826.0	1874.5	1722.5	1642.0	1638.0	1590.0	1468.0	1306.5	1048.0
72.5°	1068.0	1280.5	1478.0	1543.5	1400.0	1336.5	1321.5	1227.0	1125.5	976.0	789.5
75°	723.5	895.5	953.0	957.0	842.0	808.0	786.0	700.5	612.5	548.5	463.0
77.5°	425.0	496.0	443.5	390.5	306.0	217.0	161.5	134.5	147.0	146.5	138.0
80°	359.5	337.5	273.0	211.5	152.0	86.0	62.5	53.0	54.0	55.0	54.0
82.5°	386.5	411.5	349.0	248.0	186.0	109.5	53.0	38.0	43.5	48.0	46.0
85°	327.5	401.5	374.0	268.0	199.5	115.0	37.5	25.0	32.0	39.5	42.0
87.5°	127.0	185.5	150.5	103.5	69.5	38.5	22.0	18.0	22.5	31.5	34.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
2.5°	49.5	51.0	53.5	53.5	52.0	53.5	60.5	69.0	74.0	78.0	82.5
5°	51.5	67.5	78.5	80.0	78.0	56.5	52.5	52.5	54.5	56.5	52.0
7.5°	72.0	68.5	48.0	51.0	51.5	52.0	51.5	53.0	53.5	71.0	81.0
10°	82.0	74.5	72.5	60.5	56.5	79.0	79.0	79.5	82.5	83.0	82.5
12.5°	80.0	76.5	77.0	102.5	110.5	105.5	85.5	79.0	82.5	94.5	106.0
15°	107.0	114.0	121.0	106.0	111.0	107.5	126.5	131.5	108.5	107.0	110.5
17.5°	114.0	137.5	138.5	132.5	149.5	133.5	130.0	131.5	129.5	120.0	135.5
20°	188.0	175.0	163.0	149.5	162.0	157.0	154.0	155.5	154.0	154.5	136.5
22.5°	199.5	194.0	204.5	199.0	187.5	175.0	180.0	177.0	160.5	178.0	164.5
25°	259.5	255.5	233.0	207.5	225.0	199.0	187.0	199.0	196.0	182.5	182.5
27.5°	273.0	272.0	268.0	272.5	239.5	225.5	240.0	205.5	207.5	212.0	211.0
30°	316.0	315.5	282.0	286.0	284.0	259.5	250.0	253.5	230.0	226.0	235.0
32.5°	362.0	332.0	323.0	326.0	302.5	286.5	281.5	262.0	253.0	248.5	234.0
35°	382.0	381.0	373.0	344.5	335.5	305.5	301.0	278.5	270.0	267.0	259.5
37.5°	408.5	407.5	399.0	384.0	362.5	327.0	311.5	296.5	277.5	265.5	275.0
40°	444.0	436.5	428.0	403.5	374.0	342.0	320.0	294.0	282.0	270.5	284.0
42.5°	507.0	473.5	452.5	421.5	382.0	343.5	319.0	294.0	271.0	267.5	269.5
45°	562.5	509.0	473.0	433.0	385.5	340.5	309.5	281.0	265.0	251.5	251.0
47.5°	611.0	549.5	492.0	442.0	383.5	332.5	295.5	265.0	245.0	232.0	226.0
50°	656.5	592.0	511.5	445.0	375.0	317.0	275.5	243.0	218.0	203.5	202.0
52.5°	702.0	622.0	528.0	440.5	358.5	293.5	246.5	212.0	185.0	173.0	170.5
55°	766.5	639.0	536.5	424.5	332.5	261.5	212.0	175.5	148.5	142.5	139.0
57.5°	902.0	694.5	545.0	399.5	294.0	220.0	171.5	140.0	120.0	114.0	111.0
60°	1120.0	800.5	564.5	361.5	241.5	173.5	131.0	105.0	91.5	88.0	86.5
62.5°	1222.5	828.5	534.5	304.0	185.0	123.5	92.0	74.0	67.0	66.0	67.0
64°	1190.0	781.0	476.5	259.5	147.5	95.5	71.0	59.0	55.0	54.5	56.5
65°	1132.5	727.0	432.5	229.0	122.5	79.0	59.5	51.0	48.0	49.0	50.5
67.5°	935.5	562.0	293.0	137.0	71.0	48.5	40.5	36.5	37.0	38.0	40.0
70°	730.5	376.5	159.5	71.0	42.5	33.0	30.5	29.0	30.0	31.5	33.5
72.5°	501.0	210.5	76.0	40.5	31.5	26.5	26.0	25.5	26.5	28.0	30.0
75°	262.5	88.0	43.0	32.0	27.5	24.0	24.5	24.0	25.0	26.5	28.0
77.5°	83.0	47.5	36.0	29.5	26.0	22.5	23.0	23.5	24.5	25.5	26.5
80°	45.0	39.5	32.5	27.5	24.5	21.0	22.0	22.5	24.0	24.5	24.5
82.5°	41.0	34.5	28.5	25.0	23.5	20.5	22.5	22.5	22.5	22.5	22.5
85°	36.0	28.0	23.5	22.0	22.0	19.5	21.0	21.0	20.0	20.0	19.0
87.5°	28.0	20.5	20.0	22.0	20.5	14.0	18.0	17.0	15.5	15.5	15.0
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):

	165°	170°	175°	180°
0°	49.5	49.5	49.5	49.5
2.5°	82.0	82.5	80.5	80.5
5°	51.5	52.0	51.5	51.5
7.5°	84.0	83.0	86.0	83.0
10°	84.5	82.0	81.5	82.0
12.5°	110.0	110.0	110.5	110.5
15°	110.0	109.5	110.5	110.0
17.5°	138.0	139.0	139.5	139.0
20°	139.5	140.0	144.0	141.0
22.5°	165.5	168.5	168.5	168.0
25°	172.5	194.5	199.0	198.5
27.5°	198.0	200.5	201.0	200.5
30°	225.5	226.5	229.0	228.0
32.5°	237.5	253.5	256.5	255.5
35°	257.5	253.0	263.5	274.0
37.5°	269.5	268.0	270.5	270.0
40°	280.5	283.0	286.0	283.5
42.5°	270.0	268.5	270.0	269.0
45°	248.5	249.0	248.0	247.0
47.5°	221.5	221.5	220.5	220.5
50°	193.0	194.0	190.0	190.5
52.5°	163.0	164.0	161.0	158.0
55°	135.0	135.5	131.5	130.5
57.5°	109.0	110.5	107.0	105.5
60°	86.5	87.0	86.0	86.0
62.5°	68.5	67.5	66.5	67.0
64°	58.0	58.5	57.0	58.0
65°	52.0	53.0	52.0	53.0
67.5°	41.5	43.0	42.5	43.0
70°	35.5	36.0	35.5	35.5
72.5°	31.5	32.0	31.0	30.5
75°	29.5	29.0	28.5	28.0
77.5°	27.0	27.0	26.0	25.5
80°	24.0	23.5	22.5	21.5
82.5°	22.0	21.0	18.5	17.0
85°	18.5	17.0	14.0	11.0
87.5°	15.0	13.5	8.5	4.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)