

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: P157003

Luminaire Tested: **UTLD-F01-LED-E-U-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157003
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33667)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F01-LED-E-U-RW-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1829.2 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 25.9
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



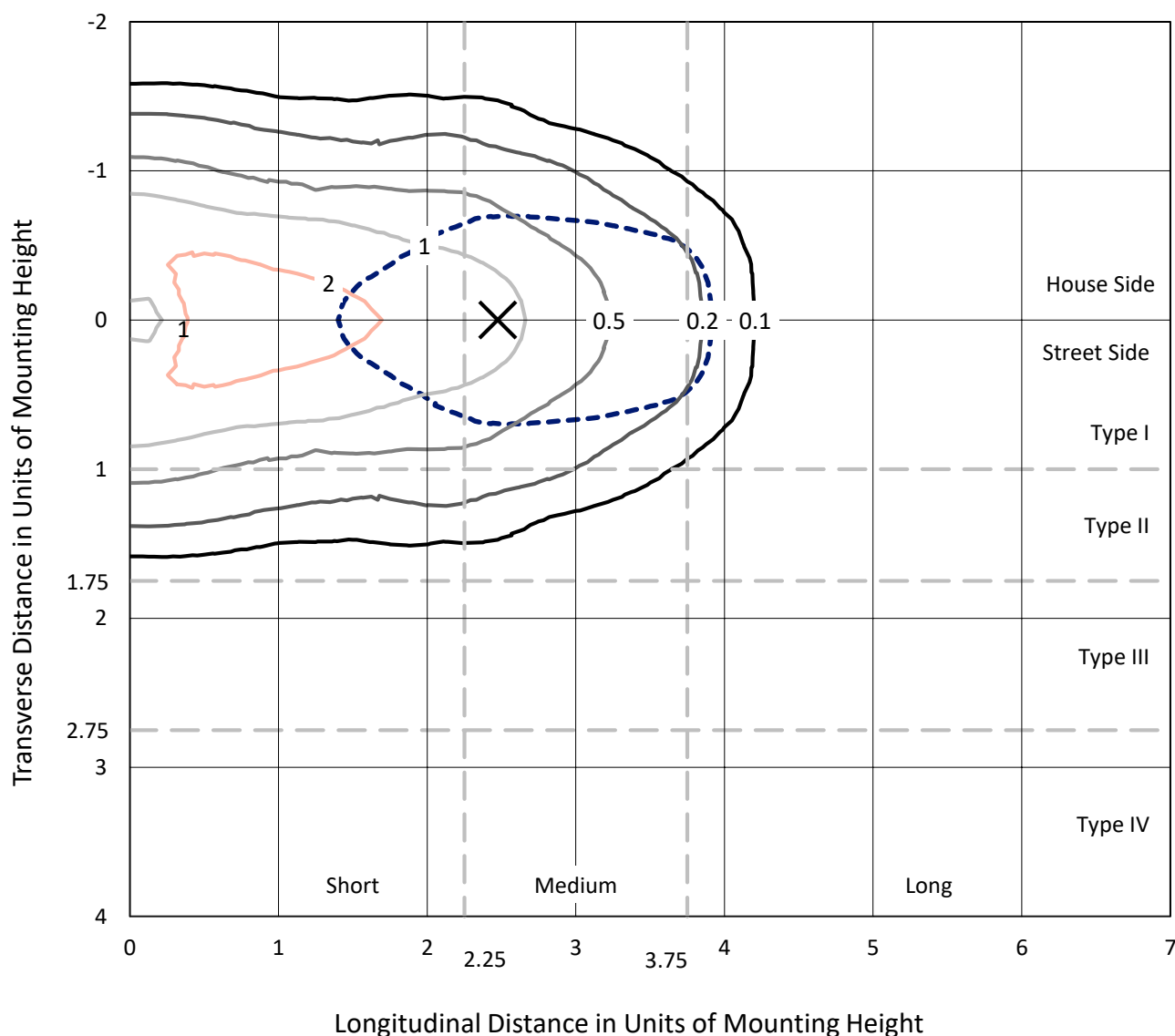
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

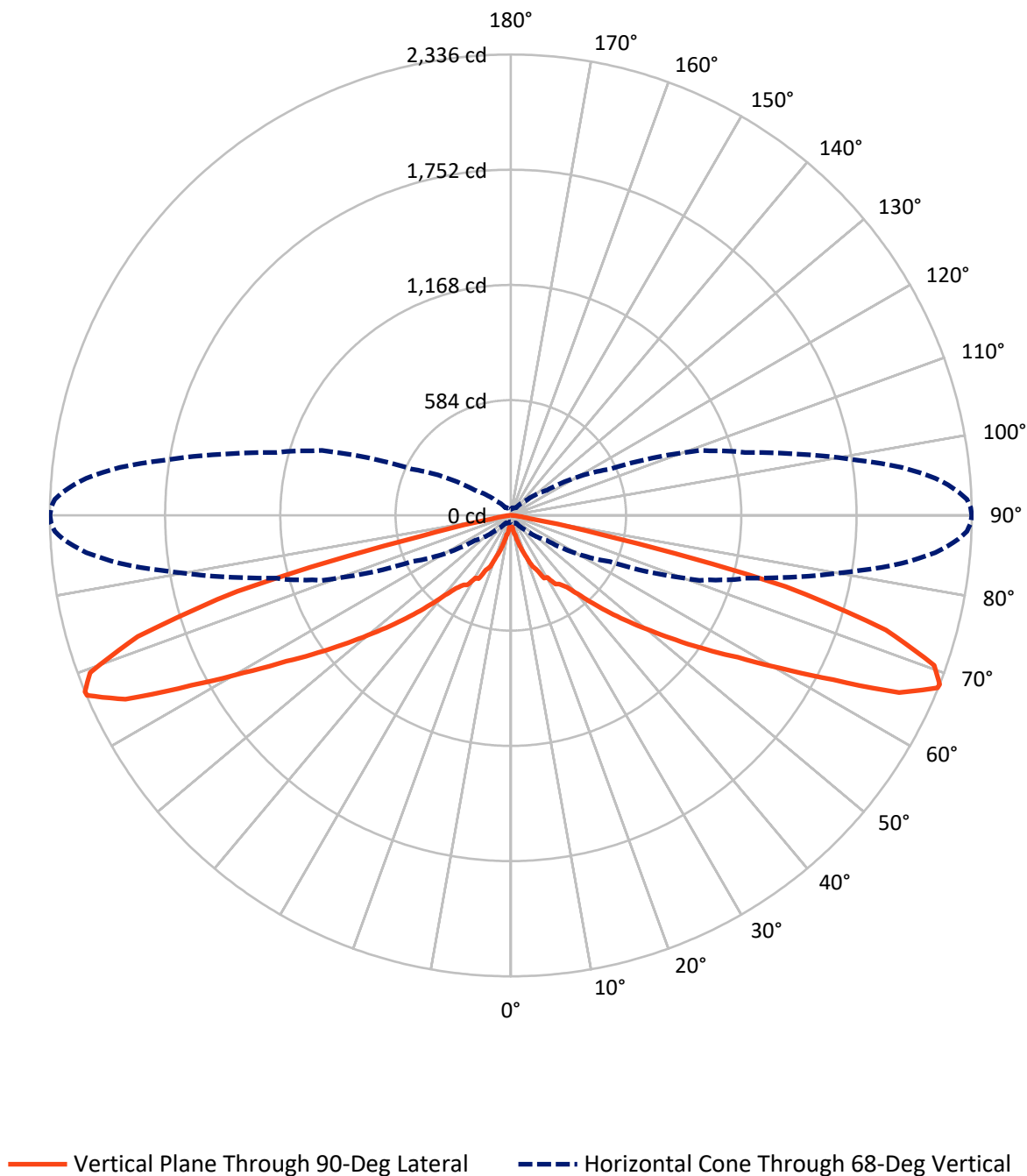


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Medium - Full Cutoff

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Luminous Intensity Polar Plot



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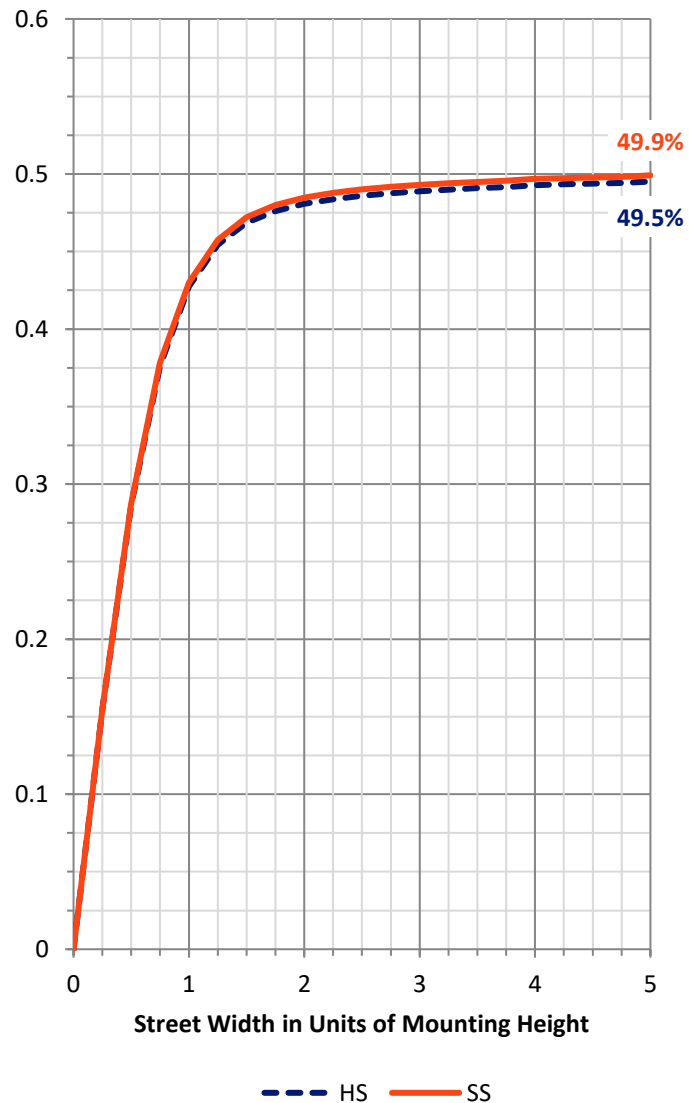
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	914.6	0.0	914.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	914.6	0.0	914.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	1829.2	0.0	1829.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.4
10°-20°	47.9	2.6
20°-30°	130.9	7.2
30°-40°	215.5	11.8
40°-50°	289.4	15.8
50°-60°	363.6	19.9
60°-70°	467.2	25.5
70°-80°	273.9	15.0
80°-90°	32.7	1.8
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°	1829.2	100.0
0°-180°	1829.2	100.0

Coefficient of Utilization



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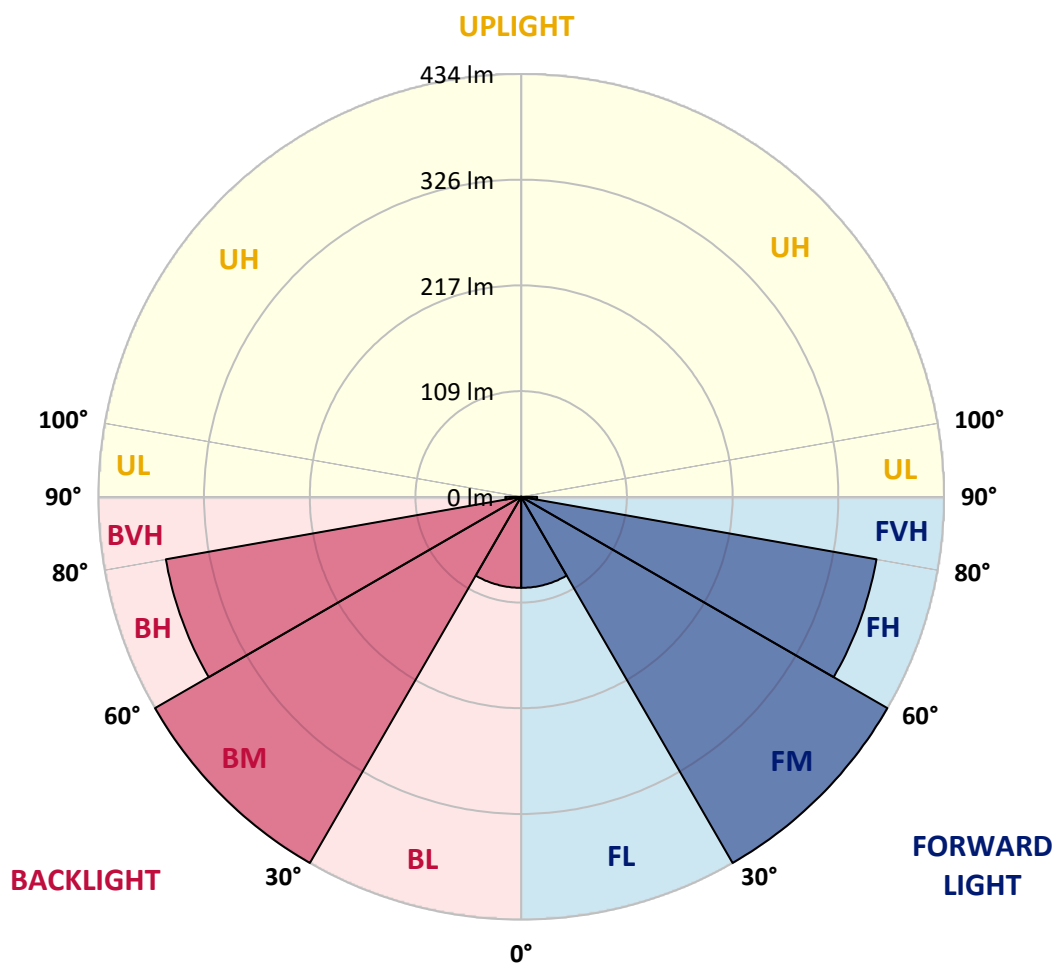
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	93.5	5.1			
FM	(30°-60°)	434.2	23.7			
FH	(60°-80°)	370.5	20.3			G0/660
FVH	(80°-90°)	16.4	0.9			G1/100
BL	(0°-30°)	93.5	5.1	B0/110		
BM	(30°-60°)	434.2	23.7	B1/1000		
BH	(60°-80°)	370.5	20.3	B1/500		G0/660
BVH	(80°-90°)	16.4	0.9			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 V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
2.5°	76.6	77.7	74.0	76.6	77.7	78.8	79.1	73.6	72.8	71.9	71.1
5°	71.4	73.2	71.6	72.1	74.2	88.8	87.0	75.4	75.6	75.9	76.2
7.5°	105.8	107.6	102.1	93.8	91.8	75.8	70.6	85.2	83.2	81.2	79.2
10°	117.9	114.6	114.6	114.3	111.8	95.8	100.0	105.2	108.8	112.4	116.1
12.5°	154.2	154.5	149.2	135.2	128.7	148.0	136.2	114.2	113.6	112.8	112.2
15°	174.4	172.4	158.5	156.8	186.9	169.1	155.6	173.6	170.5	167.3	164.1
17.5°	195.8	196.5	195.1	179.2	195.2	192.5	200.1	190.2	187.2	184.1	181.1
20°	212.0	212.5	211.2	222.8	222.6	227.4	212.5	232.8	236.1	239.4	242.8
22.5°	224.7	225.9	225.6	239.6	253.6	245.2	277.3	273.6	272.6	271.6	270.5
25°	245.0	245.2	235.0	247.2	269.8	285.0	301.2	327.0	329.8	332.7	335.5
27.5°	250.2	251.2	240.7	262.0	271.6	312.6	364.9	357.4	354.8	352.1	349.5
30°	248.4	250.6	257.0	267.6	291.5	328.6	367.4	395.0	393.2	391.3	389.4
32.5°	254.2	255.8	249.8	261.8	291.5	337.0	393.3	406.9	411.3	415.7	420.2
35°	246.1	247.8	245.4	257.1	285.0	325.6	390.2	450.4	449.0	447.6	446.2
37.5°	241.6	241.4	240.7	252.4	280.0	322.4	406.9	461.4	463.3	465.2	467.2
40°	230.0	231.4	231.2	241.8	267.5	317.7	401.2	476.4	483.2	490.0	496.8
42.5°	205.9	207.2	211.0	225.8	253.1	306.8	396.5	497.8	506.6	515.2	524.0
45°	183.6	183.8	189.0	203.6	231.8	291.4	397.0	524.1	533.4	542.6	551.9
47.5°	161.0	161.6	167.4	182.2	207.4	270.5	394.8	548.7	560.8	572.8	584.8
50°	138.6	140.0	147.2	162.1	185.3	244.0	385.0	576.2	591.2	606.2	621.2
52.5°	115.5	116.8	125.2	142.0	165.8	219.5	362.6	602.0	621.7	641.4	661.1
55°	89.9	92.3	102.1	118.4	145.8	197.9	327.8	625.4	650.5	675.6	700.7
57.5°	65.8	67.2	77.0	94.1	123.8	178.0	289.8	631.0	662.9	694.7	726.5
60°	47.0	48.6	57.4	70.7	98.8	158.0	258.6	615.9	656.7	697.5	738.3
62.5°	38.7	39.9	47.8	54.4	75.6	136.4	237.0	594.4	647.9	701.4	755.0
65°	35.0	35.9	43.7	46.2	58.2	116.2	226.8	587.7	654.6	721.5	788.4
67.5°	32.0	33.4	40.6	41.8	49.4	105.0	223.3	570.4	644.3	718.2	792.0
68°	31.6	32.9	39.9	41.2	48.6	103.6	221.0	555.4	629.6	703.6	777.8
70°	29.8	31.0	37.3	38.5	47.3	96.8	196.3	470.6	539.8	608.9	678.0
72.5°	27.7	28.4	34.1	35.5	42.7	70.6	143.0	316.5	374.6	432.8	490.9
75°	24.2	25.4	30.8	32.7	32.9	42.5	90.4	185.5	224.1	262.7	301.3
77.5°	20.9	22.1	26.8	32.6	27.2	29.6	58.0	110.2	127.7	145.1	162.5
80°	18.1	19.5	23.8	33.4	23.5	24.5	45.7	90.1	98.5	106.9	115.3
82.5°	14.0	15.5	20.9	30.3	19.5	19.8	36.9	85.7	92.0	98.4	104.7
85°	9.1	10.2	16.5	23.2	15.2	12.5	26.2	70.2	74.9	79.5	84.2
87.5°	4.4	6.6	11.5	12.0	9.2	6.8	14.4	42.6	46.2	49.7	53.2
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
2.5°	70.2	69.4	69.0	67.6	66.4	65.5	64.6	63.8	62.7	61.8	61.8
5°	76.4	76.6	77.7	77.7	77.7	77.2	76.2	75.0	74.6	72.2	69.8
7.5°	77.2	75.2	71.2	70.8	72.1	74.0	74.6	75.2	75.8	75.4	75.1
10°	119.7	123.3	123.7	122.4	121.6	118.1	115.2	109.4	109.9	112.9	114.0
12.5°	111.4	110.8	113.0	119.3	126.2	127.0	127.6	126.8	124.0	119.2	114.3
15°	161.0	157.8	157.8	157.4	156.4	154.9	157.4	163.2	165.3	165.0	164.4
17.5°	178.1	175.0	173.0	165.8	161.3	159.8	158.5	159.4	161.0	167.6	172.2
20°	246.1	249.4	253.4	250.4	248.8	244.0	238.0	236.2	234.8	236.4	238.0
22.5°	269.4	268.4	270.4	260.6	278.9	275.2	278.6	284.8	281.0	278.2	275.6
25°	338.4	341.2	338.2	337.2	331.6	327.4	330.0	329.0	320.8	316.2	317.2
27.5°	346.8	344.2	340.0	338.0	337.2	343.8	350.1	340.5	359.6	354.8	362.4
30°	387.5	385.6	379.8	378.3	383.0	380.2	373.6	374.2	375.4	375.2	371.3
32.5°	424.6	429.0	425.4	435.3	431.4	423.4	424.4	429.8	428.3	422.4	420.2
35°	444.8	443.4	451.5	452.2	443.8	443.3	447.3	446.8	442.0	443.0	443.1
37.5°	469.1	471.0	478.6	470.8	471.7	476.4	477.0	471.8	472.4	474.5	476.6
40°	503.6	510.4	505.0	504.1	511.4	519.4	514.6	514.8	519.0	524.3	519.6
42.5°	532.6	541.3	539.4	548.7	559.8	564.4	567.5	576.0	585.0	582.0	593.1
45°	561.2	570.4	579.0	596.6	608.0	611.8	629.3	642.6	647.1	654.8	669.2
47.5°	596.9	609.0	627.1	645.8	652.7	671.7	692.4	704.8	713.2	736.6	743.4
50°	636.2	651.2	675.2	691.0	704.2	728.3	752.3	763.6	791.3	807.7	821.4
52.5°	680.8	700.6	724.2	734.7	757.5	790.3	805.2	825.6	856.4	876.6	909.6
55°	725.8	751.0	767.3	785.9	812.8	841.6	856.1	894.8	917.2	951.0	995.4
57.5°	758.3	790.1	803.0	833.6	865.0	881.6	913.6	948.6	976.0	1031.2	1076.3
60°	779.1	819.9	846.2	881.8	912.0	933.4	977.6	1010.4	1058.8	1121.2	1175.1
62.5°	808.5	862.0	909.8	957.6	975.2	1019.1	1064.0	1103.4	1180.9	1249.8	1318.6
65°	855.3	922.2	990.9	1042.5	1077.5	1135.7	1182.9	1247.6	1334.8	1421.8	1501.1
67.5°	865.9	939.8	1023.6	1070.4	1127.6	1187.9	1236.6	1323.0	1409.7	1501.6	1596.1
68°	851.8	926.0	1011.5	1058.6	1118.8	1179.2	1229.6	1315.1	1401.8	1493.3	1589.6
70°	747.1	816.2	895.3	952.8	1022.3	1069.8	1135.3	1215.3	1297.2	1392.8	1490.3
72.5°	549.1	607.2	682.6	739.0	813.2	853.7	918.8	987.6	1068.6	1163.1	1260.2
75°	339.9	378.5	438.2	489.0	541.0	579.7	636.8	699.6	760.8	835.8	920.9
77.5°	179.9	197.4	232.6	257.6	284.6	302.8	321.2	358.0	374.8	395.0	422.0
80°	123.8	132.2	144.2	151.0	147.9	135.4	118.0	112.2	106.8	99.4	92.6
82.5°	111.1	117.4	125.2	131.7	132.0	120.2	98.6	82.8	71.6	60.8	52.4
85°	88.9	93.6	98.6	103.8	108.8	101.4	85.7	67.2	51.9	41.7	35.7
87.5°	56.7	60.2	63.6	69.7	72.2	70.2	62.4	49.4	36.8	28.2	23.5
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):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
2.5°	60.1	60.1	59.8	59.4	58.8	58.5	58.4	58.6	58.4	58.2	58.2
5°	67.9	65.6	63.6	62.4	61.0	60.2	61.0	59.6	59.0	58.7	58.9
7.5°	75.1	74.8	74.0	70.9	66.2	62.0	60.1	59.4	59.4	59.2	59.2
10°	114.2	113.2	111.4	109.6	108.0	103.3	97.8	95.6	94.2	94.1	93.7
12.5°	115.2	117.2	117.9	118.0	116.4	115.4	110.1	104.2	100.8	100.7	100.3
15°	160.2	153.1	154.6	157.1	156.8	156.6	157.0	149.8	145.1	144.4	144.2
17.5°	171.4	174.7	166.4	184.3	174.9	185.2	180.3	190.2	182.6	185.8	186.7
20°	242.6	241.8	240.6	237.0	236.6	239.5	242.6	240.0	232.6	228.5	226.1
22.5°	277.3	282.8	285.3	284.4	281.1	279.6	279.0	277.2	276.1	277.8	279.4
25°	319.1	316.6	319.5	319.2	316.3	314.0	317.7	320.0	319.6	310.8	304.5
27.5°	361.4	356.8	355.8	356.2	359.4	358.6	359.5	357.6	354.2	356.6	359.5
30°	367.5	365.6	368.2	365.2	366.3	364.8	362.2	360.2	368.2	367.0	364.0
32.5°	419.2	421.2	415.4	414.0	413.8	408.7	409.0	413.0	411.1	413.7	414.2
35°	443.8	438.6	437.0	433.7	428.7	433.4	431.6	431.1	430.8	430.4	428.1
37.5°	472.2	476.0	471.5	466.3	471.8	469.1	467.2	466.6	465.8	462.6	461.9
40°	523.6	527.8	524.1	530.9	529.7	531.2	527.8	526.4	522.9	524.7	523.2
42.5°	594.5	595.7	606.4	613.7	613.3	613.3	611.2	611.0	604.0	604.8	607.9
45°	671.7	686.3	695.5	704.2	707.4	708.4	704.6	708.4	703.0	696.7	702.7
47.5°	758.2	777.9	790.2	799.2	803.5	802.8	806.4	804.8	802.2	806.4	805.1
50°	853.6	870.9	889.2	896.7	899.1	905.0	911.7	917.0	919.6	914.6	917.9
52.5°	939.9	967.0	988.4	999.4	1010.3	1018.4	1029.9	1040.6	1044.6	1048.2	1048.6
55°	1032.9	1068.8	1093.0	1112.4	1130.3	1145.8	1163.2	1177.0	1188.1	1196.0	1197.0
57.5°	1121.2	1161.3	1192.8	1229.7	1251.7	1281.6	1304.3	1326.6	1347.5	1352.4	1356.2
60°	1232.4	1281.6	1333.0	1369.6	1413.4	1460.2	1490.8	1522.4	1534.8	1557.9	1570.8
62.5°	1385.2	1442.8	1515.0	1570.4	1631.0	1689.2	1741.5	1780.5	1799.3	1824.6	1833.8
65°	1586.6	1677.0	1752.1	1840.6	1916.2	1986.8	2049.0	2103.8	2130.3	2160.1	2163.4
67.5°	1690.2	1788.6	1893.7	1994.6	2076.1	2158.0	2218.0	2270.2	2311.4	2327.2	2333.0
68°	1686.2	1785.0	1894.8	1996.2	2079.8	2159.7	2220.3	2273.0	2312.8	2330.2	2335.8
70°	1601.0	1696.2	1822.8	1920.9	2007.6	2094.0	2151.6	2204.2	2238.4	2258.1	2276.2
72.5°	1358.0	1470.3	1581.0	1673.2	1766.4	1837.6	1881.6	1939.7	1956.6	1980.1	1987.4
75°	999.8	1097.0	1175.0	1232.5	1299.4	1348.4	1387.0	1387.0	1409.3	1413.2	1438.1
77.5°	461.0	467.4	479.9	470.8	478.8	492.2	475.8	457.2	469.2	437.4	465.8
80°	95.4	89.8	92.7	89.5	90.2	91.6	94.2	92.9	92.6	91.3	93.0
82.5°	47.8	47.2	47.4	47.6	47.6	47.6	47.7	47.8	48.0	47.4	47.4
85°	32.2	30.8	31.0	30.4	30.0	29.8	28.8	27.7	28.2	27.9	26.5
87.5°	20.9	19.4	18.6	17.8	16.9	16.2	15.4	14.2	13.0	12.7	12.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)