

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: P179371

Luminaire Tested: **UTLD-E03-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179371
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-E03-LED-E-U-T3-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4389.2 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 75.2
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



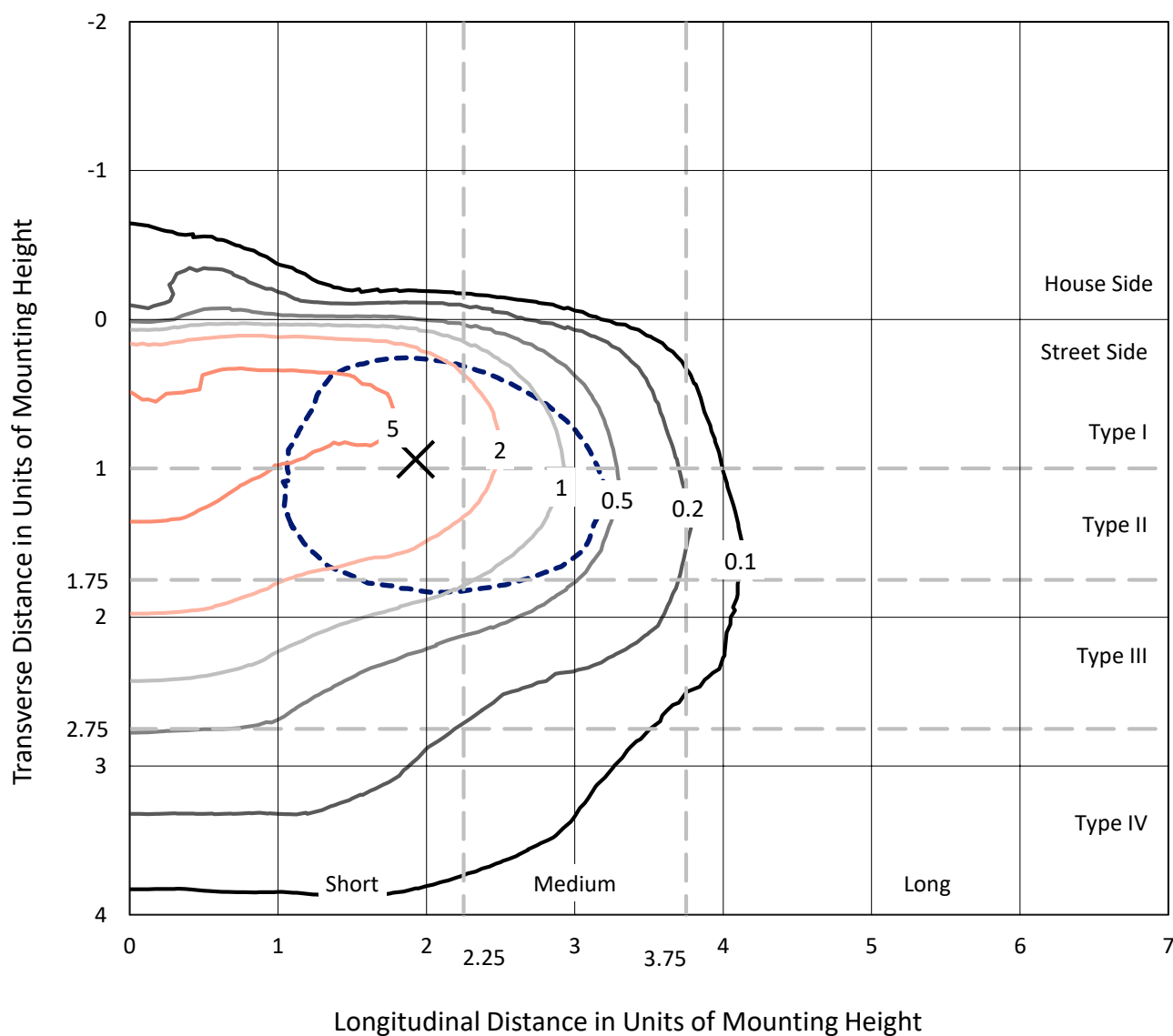
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

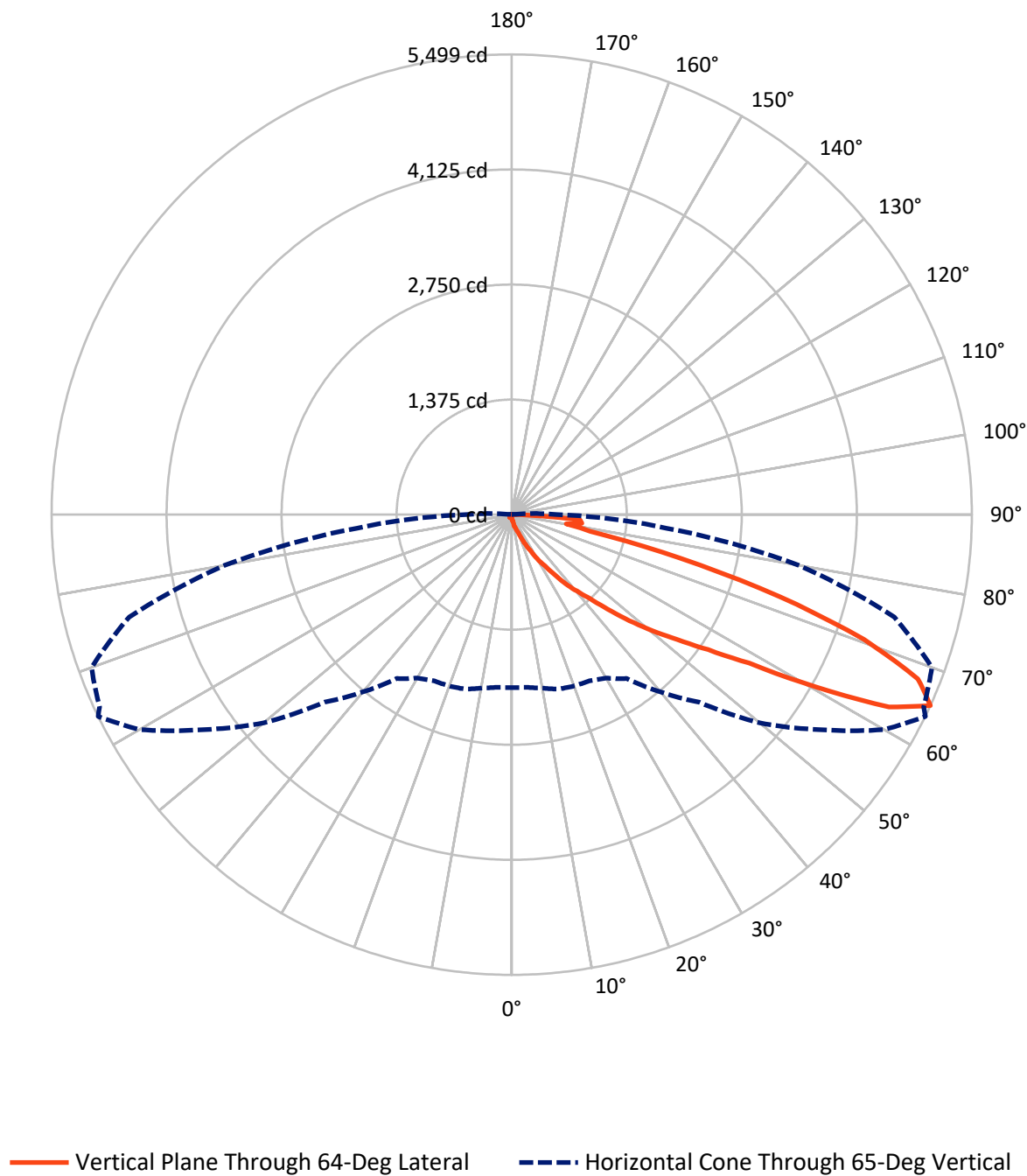


Based on 10 foot mounting height. Maximum calculated value = 7 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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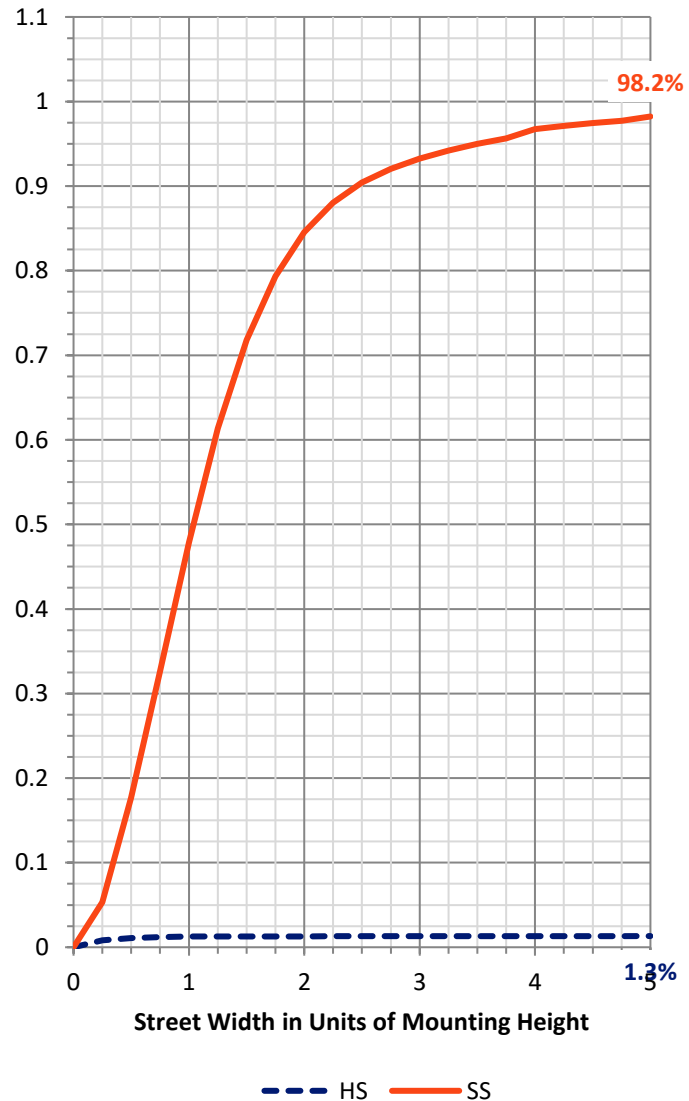
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	59.7	0.0	59.7
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	4329.5	0.0	4329.5
	% Fixture	98.6	0.0	98.6
Total	Lumens	4389.2	0.0	4389.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	37.9	0.9
20°-30°	119.0	2.7
30°-40°	288.9	6.6
40°-50°	612.5	14.0
50°-60°	1102.9	25.1
60°-70°	1476.8	33.6
70°-80°	638.4	14.5
80°-90°	107.1	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°	4389.2	100.0
0°-180°	4389.2	100.0

Coefficient of Utilization



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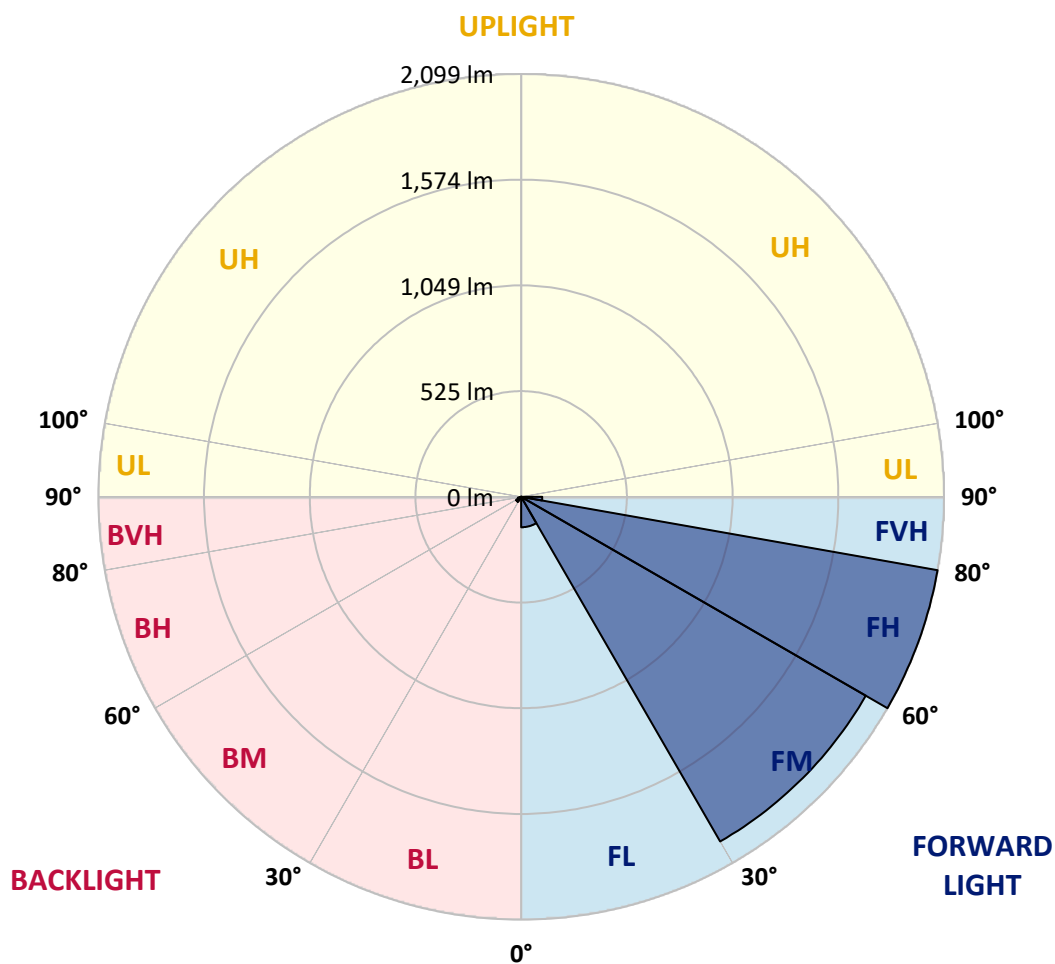
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.0	3.4			
FM	(30°-60°)	1975.1	45.0			
FH	(60°-80°)	2098.7	47.8			G2/5000
FVH	(80°-90°)	104.6	2.4			G2/225
BL	(0°-30°)	11.5	0.3	B0/110		
BM	(30°-60°)	29.2	0.7	B0/220		
BH	(60°-80°)	16.5	0.4	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
2.5°	63.1	63.1	61.6	63.1	61.6	60.0	60.0	58.5	58.5	56.9	56.9
5°	92.3	92.3	90.8	87.7	84.7	83.1	81.6	77.0	75.4	73.9	70.8
7.5°	164.7	164.7	161.6	158.5	157.0	153.9	150.8	144.7	138.5	103.1	89.3
10°	210.9	207.8	204.7	198.6	197.0	189.3	181.6	177.0	170.8	155.5	144.7
12.5°	295.5	294.0	290.9	292.4	283.2	277.0	264.7	254.0	203.2	190.9	186.2
15°	389.4	364.8	341.7	320.1	314.0	307.8	289.4	290.9	303.2	277.0	217.0
17.5°	398.6	400.2	397.1	397.1	387.9	383.3	394.0	341.7	332.5	309.4	292.4
20°	501.8	503.3	500.2	467.9	423.3	407.9	431.0	415.6	415.6	378.6	355.5
22.5°	524.9	529.5	524.9	523.3	512.5	538.7	521.8	451.0	477.1	444.8	427.9
25°	637.2	640.3	638.8	624.9	644.9	566.4	554.1	588.0	555.6	517.2	534.1
27.5°	757.3	754.2	684.9	661.8	671.1	661.8	697.2	640.3	669.5	632.6	606.4
30°	814.2	818.8	812.7	786.5	786.5	811.1	748.0	771.1	749.6	694.2	786.5
32.5°	978.9	985.1	966.6	962.0	891.2	866.5	845.0	868.1	814.2	854.2	877.3
35°	1172.8	1175.9	1148.2	1029.7	1028.2	998.9	994.3	940.4	968.1	937.3	1023.5
37.5°	1334.5	1326.8	1282.1	1225.2	1228.2	1168.2	1105.1	1109.7	1065.1	1068.2	1149.8
40°	1548.4	1545.3	1513.0	1466.8	1399.1	1323.7	1285.2	1266.7	1231.3	1206.7	1283.7
42.5°	1746.9	1767.0	1753.1	1693.1	1593.0	1559.2	1466.8	1429.9	1419.1	1379.1	1442.2
45°	1993.2	1991.7	1990.1	1930.1	1865.5	1794.7	1657.7	1637.7	1619.2	1614.6	1683.8
47.5°	2177.9	2179.4	2185.6	2145.6	2101.0	2000.9	1865.5	1860.8	1871.6	1860.8	1948.6
50°	2302.6	2316.4	2339.5	2330.3	2270.3	2202.5	2117.9	2102.5	2116.3	2110.2	2250.2
52.5°	2385.7	2402.6	2430.3	2447.3	2382.6	2353.4	2318.0	2298.0	2364.1	2365.7	2525.8
55°	2418.0	2436.5	2464.2	2498.1	2448.8	2455.0	2441.1	2438.0	2544.2	2568.9	2779.7
57.5°	2391.9	2408.8	2439.6	2481.1	2467.3	2518.1	2488.8	2502.7	2667.4	2732.0	3004.4
60°	2322.6	2338.0	2371.8	2441.1	2422.6	2482.7	2468.8	2535.0	2748.9	2892.1	3264.6
62.5°	2207.2	2225.6	2262.6	2328.7	2338.0	2390.3	2404.2	2516.5	2804.3	3053.7	3612.4
65°	2065.6	2070.2	2104.0	2157.9	2179.4	2190.2	2253.3	2390.3	2762.8	3167.6	3872.5
67.5°	1851.6	1862.4	1883.9	1916.3	1933.2	1876.2	1928.6	2070.2	2444.2	2929.0	3680.1
70°	1312.9	1311.4	1359.1	1497.6	1539.2	1411.4	1408.3	1496.1	1802.4	2265.6	2944.4
72.5°	895.8	906.6	928.1	971.2	1103.6	1063.6	1049.7	1003.5	1123.6	1380.6	1945.5
75°	681.8	686.5	775.7	848.1	937.3	978.9	1005.1	949.7	905.0	865.0	1114.4
77.5°	232.4	252.4	295.5	404.8	632.6	771.1	857.3	937.3	991.2	949.7	920.4
80°	50.8	52.3	58.5	78.5	221.6	398.6	500.2	638.8	795.7	885.0	962.0
82.5°	21.5	23.1	27.7	33.9	52.3	147.8	207.8	240.1	324.8	429.4	700.3
85°	7.7	7.7	9.2	12.3	20.0	36.9	55.4	60.0	92.3	135.4	229.3
87.5°	3.1	3.1	3.1	4.6	6.2	9.2	10.8	12.3	15.4	32.3	77.0
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°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
2.5°	56.9	55.4	55.4	55.4	53.9	49.3	46.2	40.0	36.9	33.9	32.3
5°	67.7	63.1	60.0	60.0	55.4	53.9	52.3	44.6	35.4	30.8	27.7
7.5°	81.6	75.4	70.8	69.3	63.1	55.4	52.3	47.7	35.4	29.2	26.2
10°	137.0	97.0	89.3	86.2	77.0	67.7	61.6	58.5	43.1	33.9	30.8
12.5°	173.9	153.9	138.5	121.6	90.8	81.6	69.3	58.5	44.6	33.9	27.7
15°	201.6	180.1	158.5	157.0	129.3	104.7	84.7	73.9	52.3	43.1	35.4
17.5°	290.9	224.7	195.5	193.9	164.7	115.4	97.0	72.3	56.9	41.6	33.9
20°	330.9	281.7	235.5	243.2	213.9	169.3	123.1	93.9	67.7	55.4	44.6
22.5°	424.8	381.7	329.4	295.5	247.8	200.1	135.4	104.7	77.0	56.9	46.2
25°	492.5	437.1	417.1	412.5	341.7	269.4	180.1	123.1	86.2	63.1	55.4
27.5°	609.5	567.9	500.2	492.5	389.4	295.5	226.3	146.2	95.4	69.3	58.5
30°	686.5	655.7	632.6	615.7	487.9	355.5	257.0	166.2	103.1	72.3	60.0
32.5°	837.3	778.8	728.0	701.9	618.7	449.4	310.9	190.9	112.4	77.0	66.2
35°	960.4	954.3	880.4	874.2	754.2	574.1	378.6	223.2	117.0	78.5	64.6
37.5°	1122.0	1086.6	1051.2	1032.8	920.4	704.9	463.3	274.0	137.0	81.6	64.6
40°	1251.3	1215.9	1202.1	1185.2	1037.4	832.7	572.6	298.6	140.1	83.1	63.1
42.5°	1416.0	1360.6	1372.9	1354.5	1197.5	1003.5	681.8	357.1	150.8	83.1	60.0
45°	1625.4	1596.1	1610.0	1579.2	1423.7	1222.1	795.7	415.6	166.2	81.6	55.4
47.5°	1893.2	1876.2	1891.6	1837.8	1719.2	1509.9	1034.3	521.8	186.2	80.0	52.3
50°	2177.9	2202.5	2181.0	2130.2	2079.4	1817.7	1312.9	652.6	215.5	77.0	49.3
52.5°	2511.9	2515.0	2476.5	2475.0	2476.5	2219.5	1603.8	809.6	252.4	73.9	46.2
55°	2829.0	2867.5	2847.4	2870.5	2905.9	2728.9	1960.9	989.7	303.2	69.3	43.1
57.5°	3153.7	3290.7	3346.1	3418.5	3486.2	3389.2	2442.6	1251.3	364.8	64.6	40.0
60°	3573.9	3946.4	4183.4	4271.2	4328.1	4129.6	3067.5	1585.3	454.1	60.0	35.4
62.5°	4117.2	4712.9	5062.3	5163.9	5086.9	4671.3	3430.8	1834.7	526.4	56.9	30.8
65°	4475.9	5136.2	5499.4	5434.8	5344.0	4732.9	3481.6	1857.8	541.8	50.8	27.7
67.5°	4263.5	4873.0	5236.2	5139.2	5073.1	4425.1	3121.4	1711.5	504.8	43.1	24.6
70°	3532.4	4149.6	4468.2	4388.1	4435.9	3755.5	2553.5	1449.9	447.9	36.9	21.5
72.5°	2538.1	3022.9	3349.2	3300.0	3427.7	2699.7	1880.9	1140.5	372.5	30.8	18.5
75°	1549.9	1994.7	2073.2	1997.8	1907.0	1377.5	908.1	620.3	240.1	23.1	13.9
77.5°	948.1	1088.2	960.4	972.7	766.5	344.8	170.8	127.8	67.7	18.5	9.2
80°	903.5	817.3	660.3	641.8	441.7	133.9	75.4	56.9	29.2	13.9	7.7
82.5°	943.5	989.7	845.0	781.9	467.9	118.5	61.6	46.2	23.1	10.8	6.2
85°	390.9	881.9	818.8	746.5	432.5	92.3	49.3	33.9	15.4	7.7	6.2
87.5°	152.4	252.4	232.4	207.8	137.0	46.2	38.5	27.7	10.8	6.2	6.2
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
2.5°	30.8	29.2	27.7	27.7	26.2	26.2	24.6	24.6	24.6	24.6	24.6
5°	26.2	24.6	23.1	21.5	20.0	20.0	21.5	23.1	23.1	24.6	23.1
7.5°	23.1	21.5	18.5	20.0	20.0	16.9	12.3	10.8	10.8	12.3	12.3
10°	24.6	21.5	23.1	13.9	10.8	9.2	10.8	10.8	10.8	13.9	16.9
12.5°	24.6	26.2	18.5	16.9	15.4	13.9	16.9	15.4	13.9	15.4	15.4
15°	32.3	23.1	20.0	16.9	18.5	20.0	18.5	16.9	15.4	15.4	16.9
17.5°	27.7	24.6	23.1	26.2	24.6	20.0	18.5	20.0	20.0	18.5	16.9
20°	36.9	32.3	30.8	26.2	23.1	23.1	23.1	20.0	18.5	18.5	20.0
22.5°	41.6	35.4	35.4	32.3	29.2	23.1	23.1	21.5	21.5	20.0	18.5
25°	49.3	46.2	40.0	32.3	30.8	27.7	26.2	21.5	21.5	20.0	20.0
27.5°	52.3	46.2	40.0	36.9	32.3	26.2	26.2	21.5	20.0	20.0	18.5
30°	55.4	47.7	41.6	36.9	32.3	27.7	26.2	21.5	20.0	18.5	18.5
32.5°	58.5	49.3	40.0	35.4	30.8	26.2	24.6	21.5	18.5	16.9	16.9
35°	55.4	46.2	40.0	35.4	29.2	24.6	23.1	20.0	16.9	16.9	15.4
37.5°	52.3	43.1	36.9	32.3	27.7	23.1	20.0	16.9	15.4	13.9	13.9
40°	49.3	40.0	33.9	29.2	24.6	21.5	18.5	13.9	12.3	10.8	10.8
42.5°	44.6	36.9	30.8	26.2	21.5	16.9	15.4	12.3	9.2	7.7	7.7
45°	43.1	33.9	27.7	23.1	18.5	15.4	12.3	9.2	6.2	4.6	4.6
47.5°	40.0	30.8	24.6	20.0	15.4	12.3	9.2	6.2	4.6	3.1	3.1
50°	36.9	29.2	21.5	16.9	12.3	9.2	6.2	4.6	3.1	1.5	1.5
52.5°	33.9	26.2	18.5	13.9	10.8	7.7	4.6	3.1	1.5	1.5	0.0
55°	30.8	21.5	16.9	12.3	7.7	4.6	3.1	1.5	1.5	0.0	0.0
57.5°	26.2	18.5	13.9	9.2	6.2	3.1	1.5	1.5	1.5	0.0	0.0
60°	23.1	15.4	10.8	7.7	4.6	3.1	1.5	1.5	0.0	0.0	0.0
62.5°	20.0	13.9	9.2	6.2	3.1	1.5	1.5	1.5	0.0	0.0	0.0
65°	16.9	10.8	7.7	4.6	3.1	1.5	1.5	1.5	1.5	0.0	0.0
67.5°	15.4	9.2	6.2	4.6	3.1	1.5	1.5	1.5	1.5	1.5	0.0
70°	13.9	7.7	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	10.8	6.2	4.6	3.1	3.1	1.5	1.5	1.5	1.5	1.5	1.5
75°	7.7	4.6	3.1	3.1	3.1	3.1	1.5	1.5	1.5	1.5	1.5
77.5°	6.2	4.6	3.1	3.1	3.1	3.1	1.5	3.1	3.1	3.1	3.1
80°	4.6	3.1	3.1	4.6	4.6	4.6	1.5	3.1	3.1	3.1	3.1
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	1.5	4.6	4.6	4.6	3.1
85°	4.6	4.6	4.6	4.6	6.2	6.2	1.5	6.2	6.2	4.6	4.6
87.5°	6.2	4.6	6.2	6.2	6.2	7.7	1.5	6.2	6.2	6.2	6.2
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):

	160°	165°	170°	175°	180°
0°	38.5	38.5	38.5	38.5	38.5
2.5°	24.6	26.2	26.2	26.2	26.2
5°	21.5	20.0	20.0	20.0	20.0
7.5°	12.3	12.3	13.9	13.9	13.9
10°	18.5	18.5	18.5	18.5	18.5
12.5°	15.4	16.9	16.9	16.9	16.9
15°	18.5	18.5	20.0	20.0	20.0
17.5°	16.9	16.9	18.5	18.5	18.5
20°	18.5	20.0	20.0	20.0	20.0
22.5°	16.9	16.9	20.0	20.0	21.5
25°	20.0	18.5	18.5	20.0	18.5
27.5°	18.5	18.5	20.0	20.0	20.0
30°	18.5	16.9	16.9	18.5	18.5
32.5°	16.9	16.9	16.9	16.9	16.9
35°	15.4	15.4	16.9	16.9	16.9
37.5°	13.9	12.3	13.9	13.9	13.9
40°	10.8	10.8	10.8	12.3	12.3
42.5°	7.7	7.7	7.7	7.7	7.7
45°	4.6	4.6	4.6	4.6	4.6
47.5°	3.1	1.5	3.1	3.1	3.1
50°	1.5	1.5	1.5	1.5	1.5
52.5°	0.0	1.5	1.5	1.5	1.5
55°	0.0	1.5	1.5	1.5	1.5
57.5°	0.0	0.0	1.5	1.5	1.5
60°	0.0	0.0	1.5	1.5	1.5
62.5°	0.0	0.0	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5
67.5°	0.0	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	3.1	1.5	1.5
77.5°	3.1	3.1	3.1	3.1	1.5
80°	3.1	3.1	3.1	3.1	1.5
82.5°	3.1	3.1	4.6	3.1	1.5
85°	4.6	4.6	4.6	4.6	1.5
87.5°	4.6	4.6	6.2	6.2	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)