

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: P179280

Luminaire Tested: **UTLD-E03-LED-E-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179280
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)
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-SL3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4644 lumens
Efficiency: N/A
Efficacy: 61.8 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



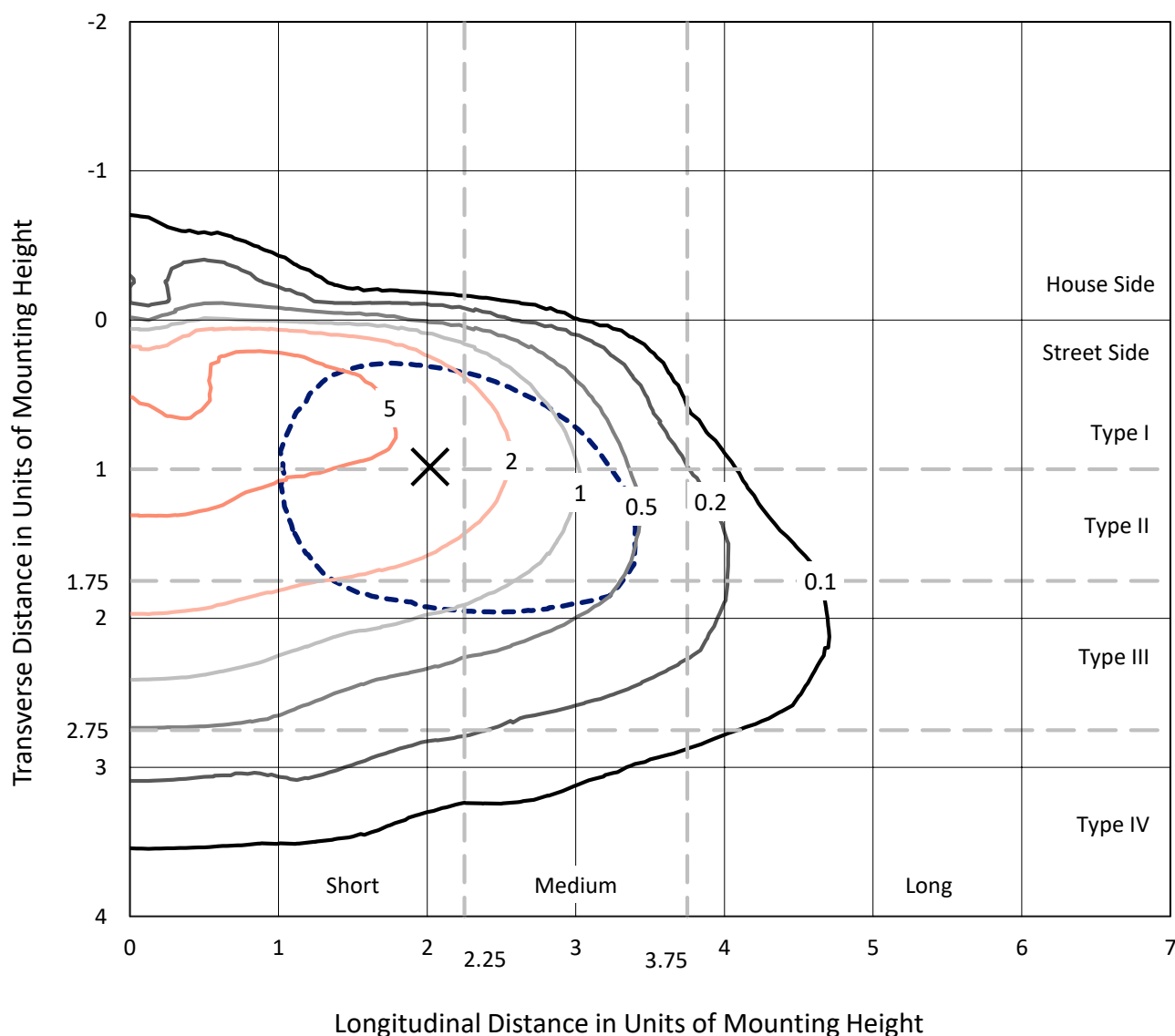
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

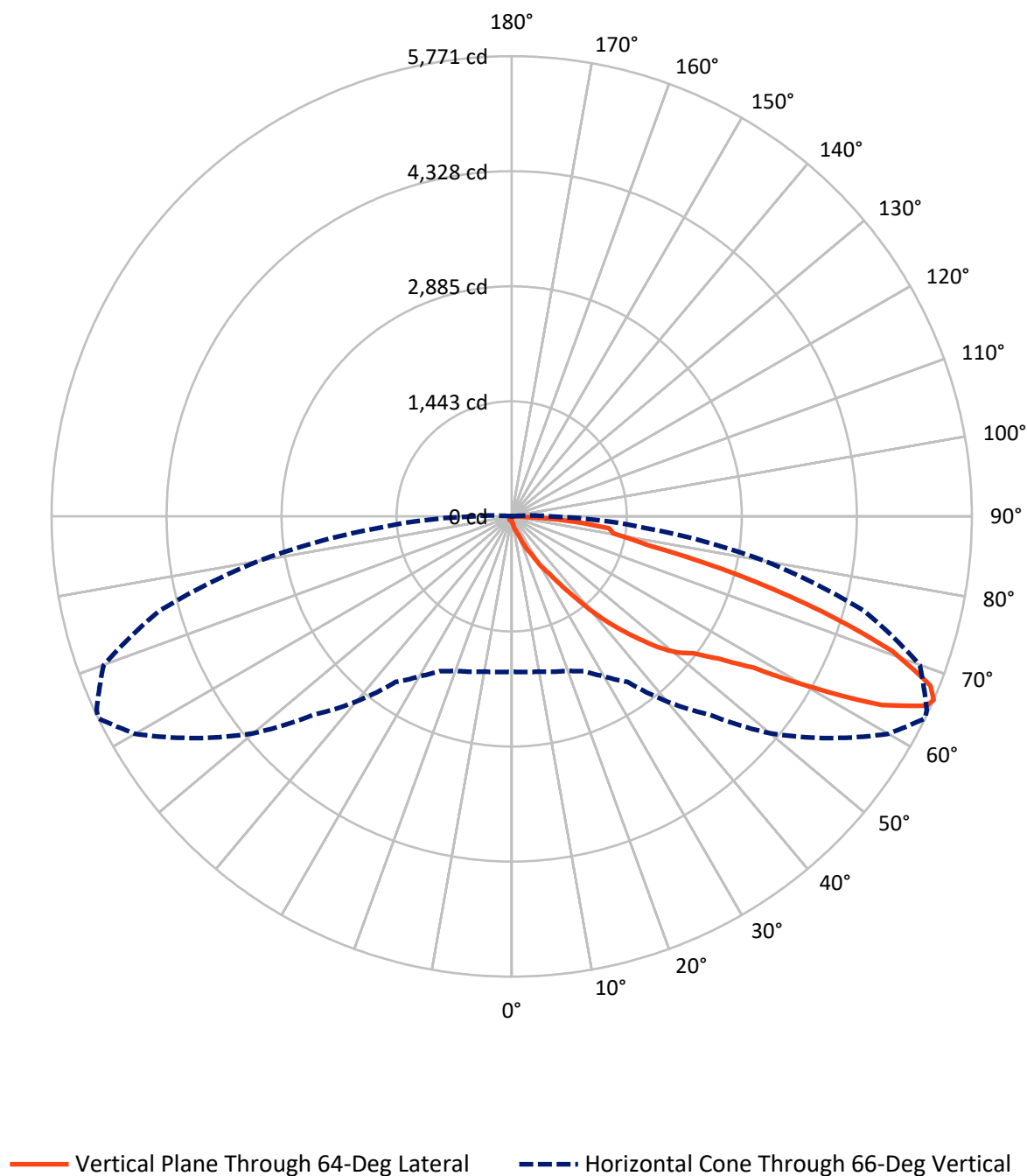


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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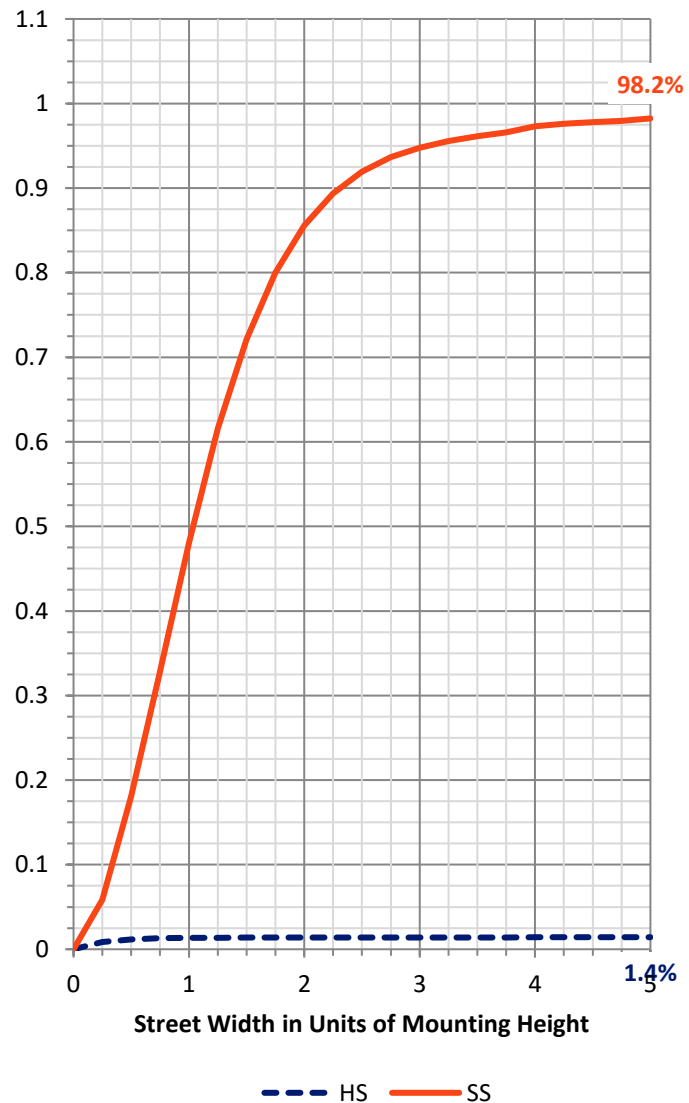
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	67.8	0.0	67.8
	% Fixture	1.5	0.0	1.5
Street Side	Lumens	4576.2	0.0	4576.2
	% Fixture	98.5	0.0	98.5
Total	Lumens	4644.0	0.0	4644.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	36.3	0.8
20°-30°	110.9	2.4
30°-40°	295.0	6.4
40°-50°	686.2	14.8
50°-60°	1170.2	25.2
60°-70°	1544.9	33.3
70°-80°	693.2	14.9
80°-90°	100.9	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°	4644.0	100.0
0°-180°	4644.0	100.0

Coefficient of Utilization



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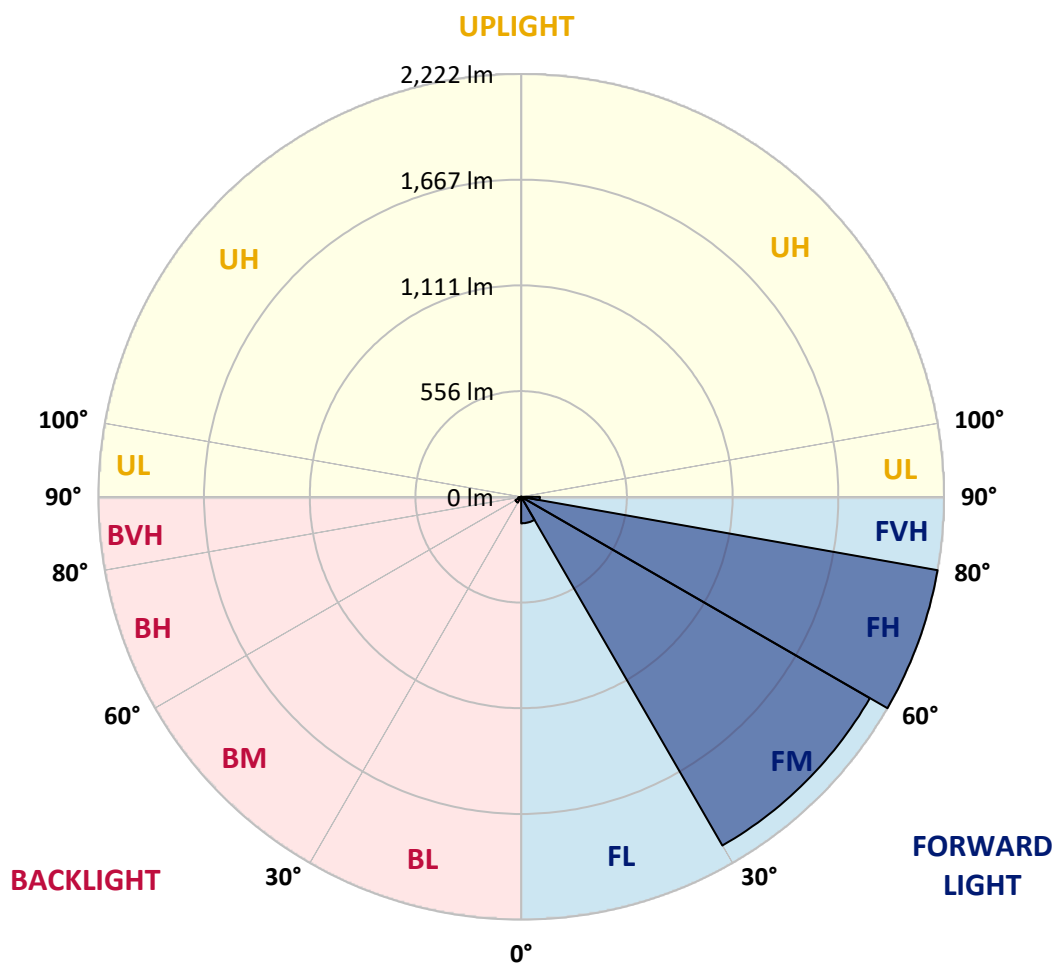
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.4	3.0			
FM	(30°-60°)	2116.3	45.6			
FH	(60°-80°)	2222.4	47.9			G2/5000
FVH	(80°-90°)	98.1	2.1			G1/100
BL	(0°-30°)	14.3	0.3	B0/110		
BM	(30°-60°)	35.2	0.8	B0/220		
BH	(60°-80°)	15.6	0.3	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	79.5	79.5	79.5	78.0	76.5	76.5	75.0	73.5	73.5	73.5	72.0
5°	108.0	103.5	100.5	96.0	93.0	93.0	90.0	88.5	87.0	85.5	82.5
7.5°	160.5	159.0	156.0	154.5	153.0	151.5	147.0	145.5	141.0	129.0	99.0
10°	204.0	196.5	196.5	186.0	180.0	174.0	168.0	165.0	165.0	154.5	147.0
12.5°	244.5	246.0	247.5	249.0	244.5	241.5	237.0	231.0	190.5	181.5	181.5
15°	325.5	322.5	318.0	295.5	262.5	256.5	244.5	246.0	267.0	253.5	216.0
17.5°	337.5	337.5	334.5	330.0	324.0	313.5	315.0	306.0	277.5	271.5	270.0
20°	435.0	435.0	429.0	414.0	379.5	330.0	340.5	328.5	330.0	324.0	307.5
22.5°	472.5	474.0	462.0	445.5	421.5	418.5	394.5	345.0	360.0	351.0	355.5
25°	598.5	595.5	579.0	544.5	513.0	439.5	405.0	412.5	391.5	379.5	435.0
27.5°	736.5	733.5	673.5	604.5	555.0	504.0	480.0	436.5	445.5	456.0	474.0
30°	811.5	804.0	774.0	721.5	661.5	595.5	513.0	501.0	490.5	499.5	624.0
32.5°	981.0	979.5	939.0	876.0	802.5	678.0	609.0	585.0	559.5	634.5	724.5
35°	1170.0	1164.0	1134.0	1041.0	945.0	850.5	799.5	723.0	745.5	790.5	930.0
37.5°	1318.5	1318.5	1278.0	1195.5	1152.0	1074.0	1008.0	996.0	961.5	1027.5	1192.5
40°	1402.5	1411.5	1420.5	1392.0	1350.0	1317.0	1281.0	1257.0	1270.5	1302.0	1470.0
42.5°	1540.5	1557.0	1585.5	1572.0	1552.5	1560.0	1507.5	1521.0	1545.0	1593.0	1765.5
45°	1741.5	1755.0	1786.5	1810.5	1843.5	1825.5	1726.5	1797.0	1848.0	1879.5	2062.5
47.5°	1941.0	1966.5	2008.5	2044.5	2097.0	2079.0	2023.5	2053.5	2104.5	2137.5	2349.0
50°	2115.0	2139.0	2184.0	2238.0	2260.5	2304.0	2283.0	2298.0	2358.0	2385.0	2592.0
52.5°	2245.5	2257.5	2296.5	2358.0	2382.0	2449.5	2458.5	2457.0	2574.0	2616.0	2832.0
55°	2314.5	2326.5	2364.0	2412.0	2443.5	2535.0	2526.0	2551.5	2725.5	2805.0	3076.5
57.5°	2328.0	2343.0	2373.0	2433.0	2458.5	2566.5	2545.5	2605.5	2833.5	2997.0	3336.0
60°	2302.5	2319.0	2344.5	2401.5	2437.5	2541.0	2572.5	2655.0	2943.0	3205.5	3667.5
62.5°	2193.0	2218.5	2233.5	2295.0	2329.5	2416.5	2560.5	2713.5	3064.5	3402.0	4020.0
65°	2025.0	2038.5	2059.5	2104.5	2145.0	2232.0	2424.0	2646.0	3096.0	3525.0	4225.5
66°	1947.0	1959.0	1975.5	2016.0	2059.5	2140.5	2314.5	2533.5	3027.0	3519.0	4231.5
67.5°	1795.5	1801.5	1831.5	1863.0	1911.0	1962.0	2095.5	2313.0	2823.0	3367.5	4119.0
70°	1212.0	1231.5	1314.0	1423.5	1491.0	1483.5	1567.5	1759.5	2209.5	2737.5	3553.5
72.5°	570.0	576.0	586.5	630.0	879.0	930.0	988.5	1153.5	1492.5	1906.5	2593.5
75°	466.5	472.5	490.5	513.0	565.5	627.0	648.0	712.5	958.5	1182.0	1585.5
77.5°	159.0	163.5	175.5	208.5	319.5	400.5	472.5	588.0	721.5	840.0	1039.5
80°	66.0	70.5	76.5	70.5	82.5	136.5	172.5	252.0	439.5	645.0	823.5
82.5°	36.0	37.5	42.0	39.0	48.0	63.0	67.5	73.5	106.5	216.0	462.0
85°	10.5	10.5	12.0	19.5	28.5	42.0	42.0	40.5	40.5	61.5	115.5
87.5°	3.0	3.0	4.5	6.0	9.0	15.0	18.0	18.0	19.5	25.5	37.5
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	72.0	72.0	72.0	72.0	70.5	70.5	66.0	60.0	54.0	48.0	43.5
5°	81.0	76.5	75.0	75.0	70.5	70.5	69.0	64.5	49.5	42.0	37.5
7.5°	91.5	85.5	82.5	82.5	78.0	72.0	69.0	66.0	51.0	40.5	36.0
10°	144.0	120.0	103.5	99.0	93.0	85.5	81.0	81.0	60.0	48.0	43.5
12.5°	175.5	166.5	156.0	148.5	108.0	97.5	93.0	81.0	63.0	46.5	40.5
15°	201.0	187.5	175.5	172.5	171.0	130.5	112.5	102.0	73.5	60.0	49.5
17.5°	289.5	231.0	211.5	210.0	190.5	144.0	124.5	102.0	79.5	60.0	49.5
20°	306.0	283.5	252.0	258.0	261.0	228.0	178.5	139.5	105.0	79.5	60.0
22.5°	393.0	381.0	361.5	355.5	298.5	261.0	193.5	163.5	114.0	79.5	60.0
25°	450.0	442.5	468.0	463.5	430.5	363.0	265.5	195.0	142.5	91.5	67.5
27.5°	561.0	597.0	547.5	562.5	499.5	436.5	349.5	241.5	151.5	96.0	69.0
30°	637.5	688.5	721.5	712.5	631.5	508.5	388.5	273.0	165.0	96.0	72.0
32.5°	801.0	835.5	841.5	823.5	775.5	642.0	465.0	313.5	172.5	99.0	76.5
35°	952.5	1039.5	1038.0	1041.0	945.0	790.5	562.5	337.5	184.5	99.0	76.5
37.5°	1245.0	1293.0	1287.0	1285.5	1179.0	966.0	663.0	408.0	198.0	99.0	75.0
40°	1527.0	1585.5	1584.0	1567.5	1455.0	1176.0	832.5	465.0	211.5	102.0	70.5
42.5°	1800.0	1827.0	1872.0	1878.0	1686.0	1417.5	1005.0	543.0	226.5	105.0	67.5
45°	2085.0	2055.0	2140.5	2134.5	1957.5	1674.0	1152.0	634.5	250.5	102.0	63.0
47.5°	2373.0	2367.0	2440.5	2386.5	2254.5	1980.0	1362.0	732.0	265.5	97.5	58.5
50°	2628.0	2676.0	2682.0	2602.5	2535.0	2280.0	1639.5	862.5	295.5	90.0	55.5
52.5°	2851.5	2929.5	2851.5	2835.0	2832.0	2518.5	1873.5	979.5	324.0	82.5	51.0
55°	3130.5	3187.5	3145.5	3151.5	3181.5	2923.5	2161.5	1195.5	373.5	75.0	46.5
57.5°	3487.5	3601.5	3577.5	3682.5	3688.5	3496.5	2571.0	1441.5	432.0	69.0	42.0
60°	3961.5	4242.0	4378.5	4495.5	4360.5	4120.5	3025.5	1645.5	478.5	63.0	37.5
62.5°	4506.0	4968.0	5211.0	5343.0	4971.0	4458.0	3210.0	1732.5	489.0	55.5	33.0
65°	4818.0	5395.5	5719.5	5728.5	5373.0	4560.0	3237.0	1729.5	478.5	48.0	28.5
66°	4846.5	5451.0	5770.5	5743.5	5445.0	4572.0	3219.0	1702.5	468.0	45.0	27.0
67.5°	4743.0	5347.5	5664.0	5613.0	5401.5	4504.5	3100.5	1633.5	447.0	40.5	25.5
70°	4203.0	4746.0	5067.0	4998.0	5013.0	4107.0	2602.5	1393.5	390.0	33.0	22.5
72.5°	3313.5	3924.0	4065.0	4014.0	4105.5	3037.5	1839.0	978.0	291.0	27.0	19.5
75°	2223.0	2833.5	2931.0	2890.5	2602.5	1530.0	730.5	412.5	151.5	22.5	16.5
77.5°	1339.5	1785.0	1759.5	1764.0	1393.5	621.0	138.0	96.0	51.0	18.0	12.0
80°	979.5	1239.0	1290.0	1321.5	1093.5	406.5	76.5	57.0	30.0	13.5	9.0
82.5°	795.0	1110.0	1234.5	1246.5	990.0	322.5	58.5	45.0	22.5	10.5	6.0
85°	217.5	567.0	700.5	664.5	421.5	109.5	42.0	30.0	15.0	7.5	6.0
87.5°	51.0	129.0	163.5	168.0	120.0	40.5	36.0	28.5	10.5	6.0	6.0
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°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2.5°	42.0	40.5	39.0	37.5	37.5	36.0	36.0	36.0	34.5	36.0	36.0
5°	36.0	34.5	33.0	31.5	30.0	30.0	30.0	31.5	33.0	33.0	33.0
7.5°	34.5	31.5	30.0	30.0	30.0	21.0	15.0	13.5	13.5	13.5	15.0
10°	36.0	31.5	33.0	18.0	12.0	12.0	12.0	12.0	12.0	16.5	19.5
12.5°	37.5	34.5	19.5	18.0	16.5	15.0	18.0	16.5	16.5	18.0	18.0
15°	43.5	27.0	21.0	18.0	21.0	22.5	21.0	19.5	16.5	16.5	19.5
17.5°	36.0	27.0	24.0	27.0	27.0	22.5	19.5	22.5	22.5	21.0	19.5
20°	43.5	37.5	33.0	28.5	25.5	24.0	25.5	22.5	21.0	21.0	22.5
22.5°	46.5	40.5	42.0	37.5	34.5	27.0	25.5	22.5	24.0	22.5	22.5
25°	57.0	57.0	49.5	39.0	36.0	31.5	30.0	24.0	24.0	21.0	22.5
27.5°	61.5	55.5	49.5	45.0	40.5	31.5	30.0	25.5	22.5	22.5	19.5
30°	64.5	57.0	51.0	45.0	39.0	34.5	30.0	25.5	22.5	21.0	21.0
32.5°	69.0	60.0	49.5	42.0	37.5	31.5	30.0	24.0	21.0	18.0	18.0
35°	64.5	55.5	48.0	42.0	34.5	30.0	27.0	22.5	18.0	18.0	16.5
37.5°	60.0	51.0	43.5	39.0	33.0	27.0	24.0	19.5	16.5	15.0	15.0
40°	57.0	48.0	40.5	34.5	28.5	24.0	21.0	16.5	13.5	12.0	12.0
42.5°	52.5	43.5	36.0	30.0	25.5	21.0	18.0	13.5	10.5	9.0	9.0
45°	49.5	40.5	33.0	27.0	21.0	18.0	13.5	10.5	7.5	6.0	6.0
47.5°	46.5	37.5	28.5	22.5	18.0	15.0	10.5	7.5	4.5	4.5	3.0
50°	42.0	33.0	25.5	19.5	15.0	12.0	7.5	4.5	3.0	1.5	1.5
52.5°	39.0	28.5	22.5	16.5	12.0	9.0	6.0	3.0	1.5	1.5	1.5
55°	34.5	25.5	19.5	13.5	10.5	6.0	3.0	1.5	1.5	1.5	1.5
57.5°	30.0	21.0	16.5	12.0	7.5	4.5	3.0	1.5	1.5	1.5	0.0
60°	25.5	18.0	13.5	9.0	6.0	3.0	1.5	1.5	1.5	1.5	0.0
62.5°	22.5	15.0	10.5	7.5	4.5	3.0	1.5	1.5	1.5	1.5	0.0
65°	19.5	12.0	9.0	6.0	3.0	3.0	1.5	1.5	1.5	1.5	0.0
66°	18.0	12.0	7.5	4.5	3.0	3.0	1.5	1.5	1.5	1.5	0.0
67.5°	16.5	10.5	7.5	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
70°	15.0	9.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	13.5	7.5	4.5	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5
75°	9.0	4.5	4.5	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0
77.5°	6.0	4.5	3.0	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0
80°	6.0	4.5	4.5	4.5	4.5	4.5	1.5	4.5	4.5	4.5	3.0
82.5°	4.5	4.5	4.5	4.5	6.0	6.0	1.5	6.0	6.0	4.5	4.5
85°	4.5	4.5	4.5	6.0	6.0	7.5	1.5	6.0	6.0	6.0	6.0
87.5°	4.5	6.0	6.0	6.0	7.5	7.5	3.0	7.5	7.5	7.5	6.0
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°	55.5	55.5	55.5	55.5	55.5
2.5°	36.0	37.5	37.5	39.0	39.0
5°	30.0	30.0	27.0	27.0	25.5
7.5°	15.0	15.0	16.5	16.5	16.5
10°	21.0	22.5	22.5	22.5	24.0
12.5°	18.0	19.5	21.0	21.0	21.0
15°	21.0	22.5	24.0	24.0	24.0
17.5°	19.5	19.5	21.0	21.0	22.5
20°	22.5	22.5	22.5	22.5	22.5
22.5°	19.5	19.5	22.5	24.0	24.0
25°	22.5	21.0	21.0	22.5	21.0
27.5°	19.5	21.0	22.5	22.5	22.5
30°	19.5	19.5	19.5	19.5	21.0
32.5°	19.5	19.5	19.5	19.5	19.5
35°	16.5	18.0	18.0	19.5	19.5
37.5°	15.0	15.0	16.5	16.5	16.5
40°	12.0	12.0	12.0	13.5	13.5
42.5°	9.0	9.0	9.0	10.5	9.0
45°	6.0	6.0	6.0	6.0	6.0
47.5°	3.0	3.0	4.5	4.5	4.5
50°	1.5	1.5	3.0	3.0	3.0
52.5°	1.5	1.5	1.5	3.0	3.0
55°	1.5	1.5	1.5	1.5	3.0
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5
66°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	3.0
72.5°	1.5	1.5	3.0	1.5	3.0
75°	3.0	3.0	3.0	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0
80°	3.0	4.5	4.5	3.0	3.0
82.5°	4.5	4.5	4.5	4.5	3.0
85°	4.5	4.5	6.0	6.0	3.0
87.5°	6.0	6.0	6.0	6.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)