

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: P179310

Luminaire Tested: **UTLD-E03-LED-E-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179310
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34323)
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-SL4-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 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: 5362.6 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-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

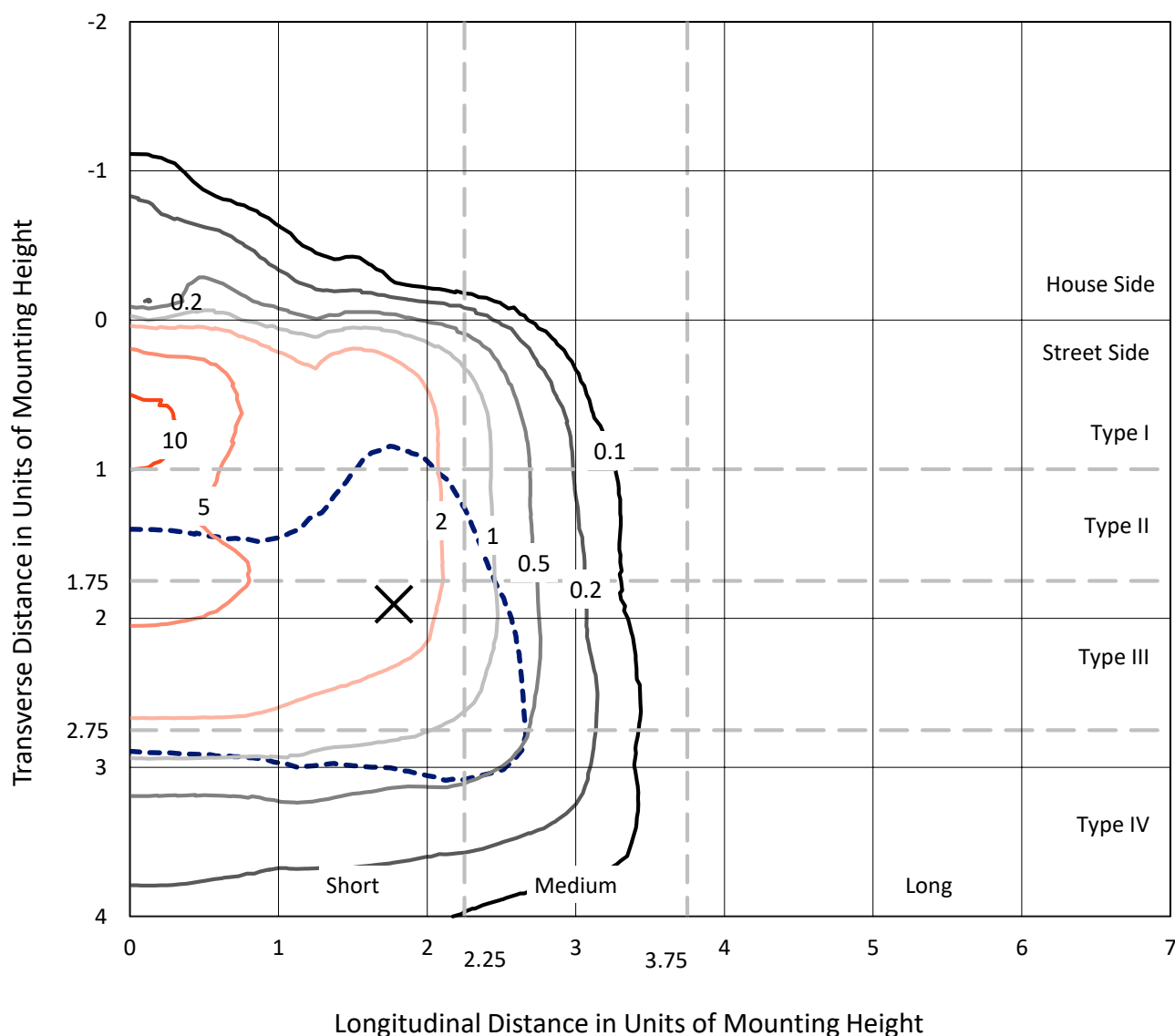


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

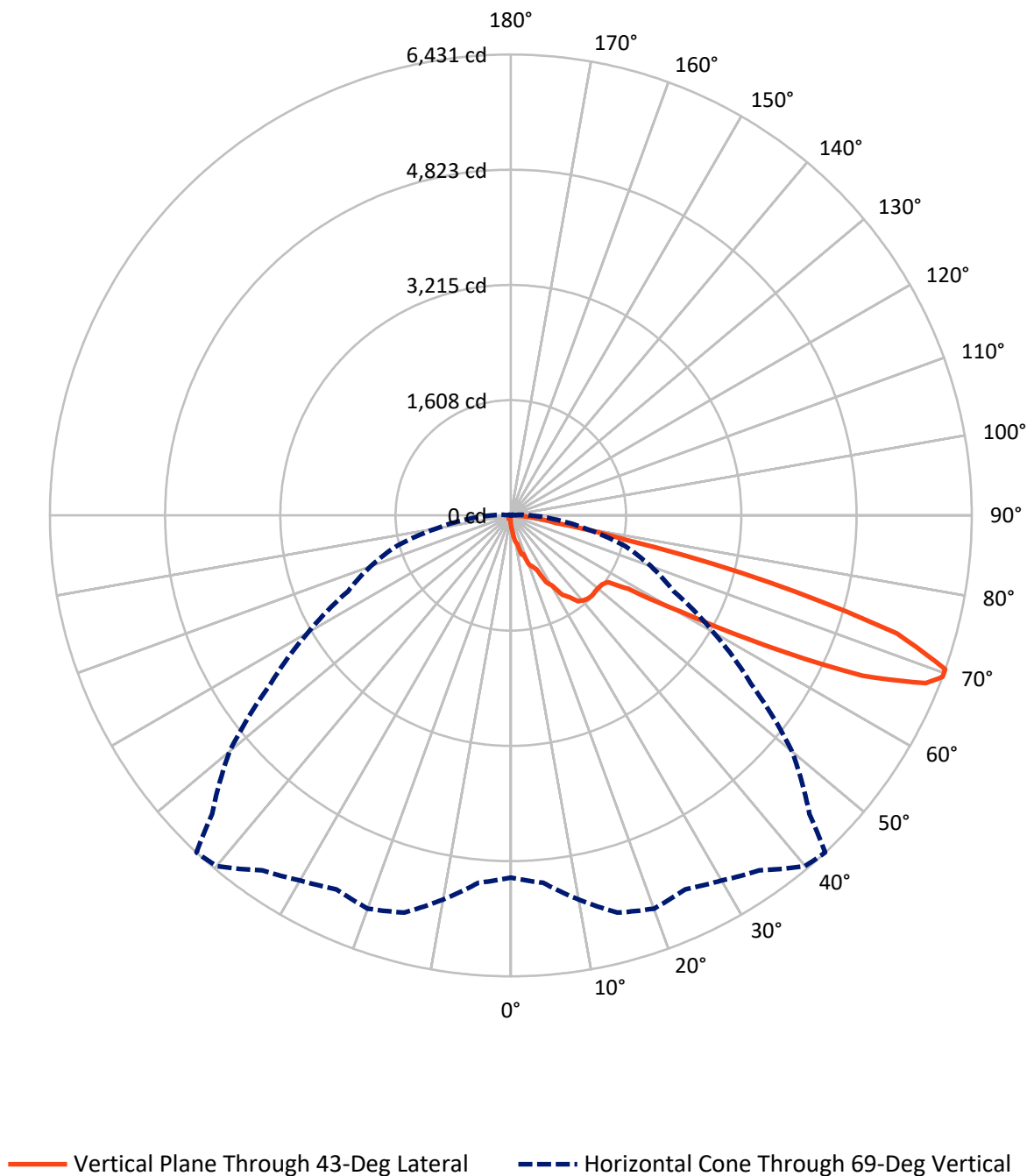


Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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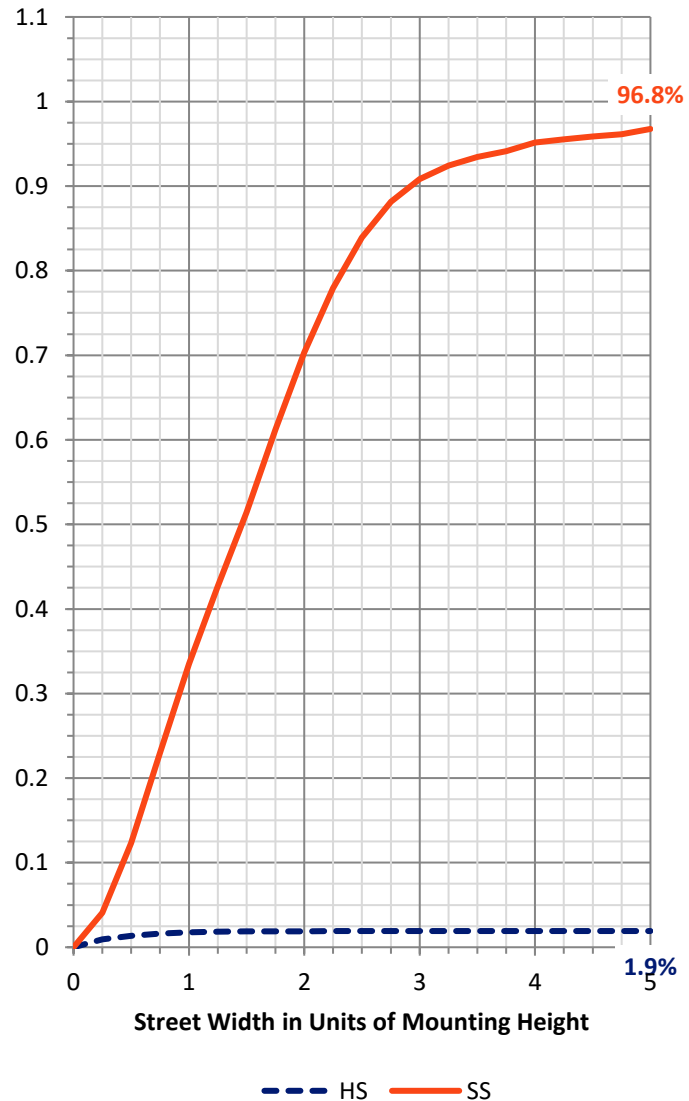
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	104.0	0.0	104.0
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	5258.6	0.0	5258.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	5362.6	0.0	5362.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.0	0.3
10°-20°	74.4	1.4
20°-30°	205.5	3.8
30°-40°	430.6	8.0
40°-50°	621.9	11.6
50°-60°	964.8	18.0
60°-70°	2037.0	38.0
70°-80°	906.0	16.9
80°-90°	107.5	2.0
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°	5362.6	100.0
0°-180°	5362.6	100.0

Coefficient of Utilization



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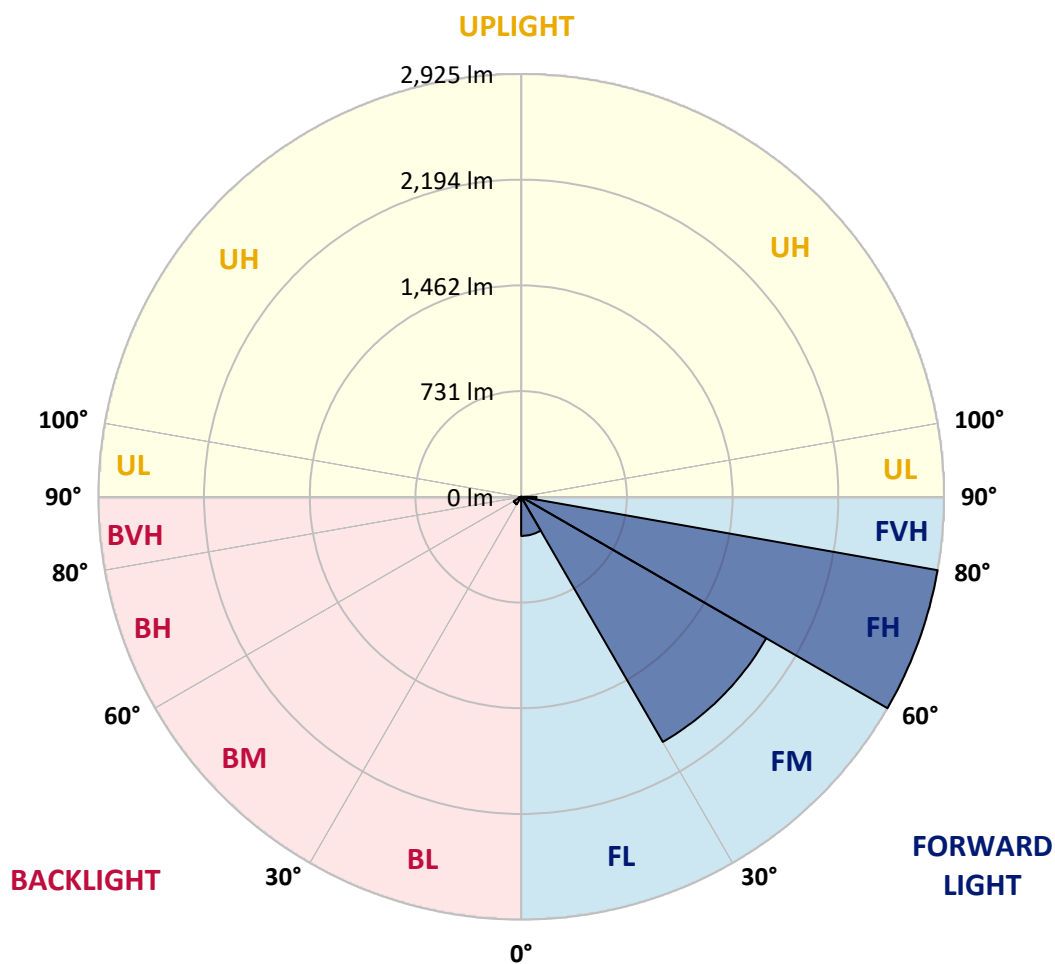
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.2	5.0			
FM	(30°-60°)	1957.9	36.5			
FH	(60°-80°)	2924.7	54.5			G2/5000
FVH	(80°-90°)	105.8	2.0			G2/225
BL	(0°-30°)	24.6	0.5	B0/110		
BM	(30°-60°)	59.3	1.1	B0/220		
BH	(60°-80°)	18.3	0.3	B0/110		G0/110
BVH	(80°-90°)	1.7	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	43°	45°
0°	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
2.5°	198.0	198.0	196.5	195.0	190.5	189.0	184.5	181.5	183.0	181.5	180.0
5°	253.5	249.0	243.0	234.0	231.0	226.5	223.5	216.0	213.0	211.5	208.5
7.5°	420.0	409.5	403.5	402.0	397.5	393.0	381.0	370.5	360.0	321.0	265.5
10°	451.5	453.0	454.5	445.5	448.5	433.5	418.5	409.5	403.5	381.0	367.5
12.5°	594.0	585.0	583.5	589.5	576.0	568.5	552.0	525.0	435.0	405.0	415.5
15°	688.5	700.5	657.0	604.5	592.5	580.5	546.0	552.0	592.5	565.5	535.5
17.5°	741.0	744.0	736.5	730.5	709.5	696.0	720.0	610.5	598.5	567.0	546.0
20°	928.5	931.5	918.0	855.0	777.0	738.0	760.5	718.5	703.5	735.0	625.5
22.5°	1015.5	1018.5	1006.5	988.5	954.0	961.5	909.0	772.5	783.0	777.0	702.0
25°	1246.5	1254.0	1240.5	1210.5	1182.0	1047.0	990.0	990.0	903.0	834.0	793.5
27.5°	1489.5	1461.0	1371.0	1332.0	1311.0	1242.0	1237.5	1083.0	1035.0	1057.5	921.0
30°	1654.5	1659.0	1644.0	1579.5	1539.0	1521.0	1353.0	1269.0	1156.5	1137.0	1003.5
32.5°	1978.5	1980.0	1948.5	1918.5	1731.0	1651.5	1536.0	1428.0	1261.5	1318.5	1147.5
35°	2289.0	2296.5	2212.5	2044.5	1989.0	1839.0	1695.0	1512.0	1401.0	1398.0	1219.5
37.5°	2472.0	2472.0	2409.0	2287.5	2229.0	2022.0	1791.0	1654.5	1455.0	1518.0	1317.0
40°	2704.5	2698.5	2644.5	2502.0	2332.5	2091.0	1906.5	1719.0	1549.5	1558.5	1381.5
42.5°	2797.5	2790.0	2752.5	2608.5	2382.0	2176.5	1935.0	1737.0	1572.0	1584.0	1411.5
45°	2844.0	2836.5	2796.0	2638.5	2401.5	2187.0	1926.0	1726.5	1576.5	1591.5	1428.0
47.5°	2833.5	2823.0	2790.0	2658.0	2460.0	2179.5	1867.5	1704.0	1569.0	1584.0	1434.0
50°	2776.5	2773.5	2743.5	2625.0	2454.0	2149.5	1834.5	1681.5	1567.5	1585.5	1446.0
52.5°	2743.5	2746.5	2718.0	2635.5	2421.0	2139.0	1852.5	1689.0	1576.5	1597.5	1464.0
55°	3175.5	3120.0	3010.5	2838.0	2532.0	2229.0	1938.0	1743.0	1621.5	1642.5	1506.0
57.5°	4608.0	4557.0	4330.5	3912.0	3319.5	2721.0	2268.0	1993.5	1878.0	1935.0	1821.0
60°	5449.5	5391.0	5334.0	5145.0	4650.0	4116.0	3303.0	2856.0	2641.5	2731.5	2619.0
62.5°	5799.0	5794.5	5767.5	5733.0	5389.5	5145.0	4539.0	4107.0	3945.0	4011.0	3772.5
65°	6018.0	6046.5	6052.5	6070.5	5847.0	5661.0	5307.0	5196.0	5410.5	5395.5	4950.0
67.5°	5863.5	5880.0	5979.0	6133.5	6022.5	5850.0	5800.5	5892.0	6168.0	6246.0	5694.0
69°	5053.5	5143.5	5440.5	5736.0	5838.0	5755.5	5880.0	6045.0	6385.5	6430.5	5893.5
70°	4029.0	4191.0	4524.0	5142.0	5386.5	5397.0	5760.0	6019.5	6403.5	6429.0	5905.5
72.5°	1810.5	1840.5	2023.5	2352.0	3285.0	3603.0	4492.5	5301.0	5694.0	5634.0	5130.0
75°	1222.5	1236.0	1225.5	1240.5	1419.0	1707.0	2178.0	3373.5	3846.0	3723.0	3253.5
77.5°	1012.5	1011.0	991.5	978.0	984.0	1026.0	1023.0	1170.0	1621.5	1666.5	1464.0
80°	907.5	898.5	882.0	855.0	826.5	786.0	744.0	663.0	607.5	628.5	555.0
82.5°	492.0	475.5	513.0	549.0	631.5	666.0	612.0	511.5	459.0	430.5	384.0
85°	115.5	111.0	130.5	181.5	310.5	316.5	307.5	253.5	220.5	205.5	186.0
87.5°	30.0	30.0	31.5	31.5	153.0	175.5	142.5	64.5	49.5	43.5	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):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
2.5°	177.0	175.5	172.5	172.5	169.5	162.0	141.0	121.5	109.5	105.0	100.5
5°	201.0	195.0	187.5	180.0	172.5	168.0	165.0	133.5	103.5	96.0	88.5
7.5°	229.5	216.0	204.0	192.0	181.5	165.0	156.0	148.5	100.5	88.5	81.0
10°	346.5	331.5	232.5	231.0	205.5	187.5	180.0	172.5	120.0	102.0	88.5
12.5°	412.5	391.5	352.5	289.5	214.5	202.5	177.0	159.0	114.0	90.0	82.5
15°	438.0	412.5	372.0	354.0	276.0	240.0	202.5	183.0	126.0	108.0	88.5
17.5°	541.5	528.0	420.0	381.0	331.5	238.5	208.5	162.0	126.0	96.0	84.0
20°	586.5	552.0	474.0	451.5	402.0	327.0	249.0	214.5	154.5	126.0	96.0
22.5°	658.5	649.5	597.0	477.0	421.5	355.5	258.0	225.0	168.0	121.5	91.5
25°	789.0	693.0	624.0	606.0	523.5	436.5	327.0	247.5	181.5	127.5	100.5
27.5°	853.5	802.5	724.5	655.5	538.5	451.5	366.0	270.0	195.0	138.0	103.5
30°	1030.5	856.5	798.0	727.5	601.5	478.5	372.0	282.0	193.5	135.0	105.0
32.5°	1101.0	984.0	879.0	765.0	676.5	537.0	412.5	286.5	201.0	139.5	115.5
35°	1198.5	1053.0	975.0	862.5	729.0	583.5	423.0	295.5	190.5	135.0	114.0
37.5°	1281.0	1125.0	997.5	894.0	750.0	597.0	436.5	304.5	196.5	132.0	109.5
40°	1324.5	1159.5	1014.0	916.5	748.5	604.5	462.0	294.0	190.5	129.0	102.0
42.5°	1360.5	1197.0	1041.0	940.5	778.5	637.5	469.5	309.0	189.0	129.0	94.5
45°	1384.5	1231.5	1101.0	969.0	817.5	673.5	480.0	312.0	192.0	129.0	88.5
47.5°	1398.0	1273.5	1161.0	1011.0	886.5	744.0	541.5	340.5	196.5	124.5	82.5
50°	1416.0	1318.5	1210.5	1065.0	960.0	784.5	588.0	355.5	202.5	117.0	78.0
52.5°	1429.5	1342.5	1243.5	1132.5	1065.0	910.5	703.5	426.0	219.0	112.5	73.5
55°	1494.0	1449.0	1443.0	1474.5	1522.5	1492.5	1209.0	732.0	337.5	132.0	84.0
57.5°	1921.5	2002.5	2149.5	2275.5	2239.5	2167.5	1738.5	1012.5	457.5	144.0	97.5
60°	2797.5	2878.5	2937.0	2877.0	2676.0	2503.5	1960.5	1147.5	510.0	120.0	76.5
62.5°	3744.0	3595.5	3415.5	3145.5	2919.0	2589.0	2064.0	1224.0	523.5	102.0	57.0
65°	4566.0	4098.0	3690.0	3205.5	2926.5	2577.0	2038.5	1192.5	501.0	84.0	46.5
67.5°	5064.0	4266.0	3630.0	2968.5	2562.0	2158.5	1575.0	916.5	384.0	67.5	39.0
69°	5121.0	4089.0	3267.0	2506.5	2083.5	1647.0	1054.5	606.0	268.5	57.0	34.5
70°	5016.0	3844.5	2856.0	2098.5	1662.0	1222.5	768.0	445.5	193.5	51.0	33.0
72.5°	4051.5	2664.0	1638.0	1032.0	729.0	507.0	310.5	181.5	82.5	37.5	28.5
75°	2221.5	1144.5	648.0	429.0	333.0	255.0	175.5	97.5	48.0	31.5	24.0
77.5°	817.5	516.0	370.5	294.0	193.5	111.0	75.0	55.5	39.0	25.5	18.0
80°	490.5	358.5	261.0	139.5	93.0	70.5	54.0	43.5	31.5	19.5	12.0
82.5°	313.5	213.0	112.5	82.5	66.0	52.5	42.0	36.0	22.5	13.5	6.0
85°	144.0	85.5	67.5	58.5	51.0	46.5	43.5	36.0	18.0	7.5	4.5
87.5°	33.0	31.5	37.5	34.5	33.0	31.5	28.5	24.0	9.0	6.0	4.5
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5	118.5
2.5°	97.5	94.5	91.5	90.0	87.0	87.0	84.0	84.0	82.5	81.0	82.5
5°	82.5	79.5	76.5	73.5	70.5	67.5	69.0	70.5	70.5	72.0	63.0
7.5°	76.5	72.0	66.0	63.0	61.5	30.0	24.0	22.5	21.0	22.5	22.5
10°	78.0	70.5	66.0	27.0	19.5	19.5	19.5	19.5	21.0	25.5	31.5
12.5°	73.5	64.5	34.5	31.5	28.5	27.0	31.5	30.0	30.0	30.0	30.0
15°	82.5	46.5	36.0	31.5	34.5	37.5	37.5	36.0	30.0	30.0	36.0
17.5°	52.5	43.5	40.5	48.0	46.5	39.0	36.0	40.5	42.0	39.0	34.5
20°	69.0	61.5	55.5	48.0	45.0	45.0	49.5	42.0	39.0	40.5	42.0
22.5°	70.5	66.0	69.0	64.5	60.0	48.0	46.5	45.0	46.5	43.5	42.0
25°	88.5	90.0	81.0	66.0	63.0	58.5	54.0	45.0	46.5	42.0	45.0
27.5°	94.5	88.5	81.0	78.0	72.0	58.5	58.5	49.5	46.5	46.5	40.5
30°	99.0	90.0	84.0	76.5	69.0	64.5	57.0	51.0	46.5	45.0	43.5
32.5°	105.0	93.0	81.0	75.0	69.0	60.0	58.5	51.0	46.5	42.0	42.0
35°	97.5	87.0	79.5	73.5	63.0	57.0	54.0	49.5	43.5	42.0	39.0
37.5°	88.5	79.5	73.5	66.0	60.0	52.5	51.0	45.0	42.0	39.0	37.5
40°	81.0	72.0	66.0	60.0	54.0	48.0	45.0	40.5	36.0	34.5	34.5
42.5°	76.5	66.0	58.5	54.0	48.0	43.5	40.5	36.0	33.0	31.5	31.5
45°	70.5	60.0	52.5	46.5	42.0	39.0	36.0	31.5	28.5	28.5	28.5
47.5°	67.5	55.5	48.0	42.0	37.5	34.5	31.5	27.0	24.0	25.5	25.5
50°	63.0	51.0	42.0	39.0	34.5	31.5	28.5	24.0	22.5	22.5	22.5
52.5°	58.5	45.0	37.5	34.5	31.5	28.5	24.0	19.5	18.0	19.5	18.0
55°	58.5	40.5	33.0	30.0	27.0	24.0	19.5	16.5	15.0	13.5	12.0
57.5°	69.0	40.5	28.5	27.0	24.0	19.5	15.0	12.0	10.5	7.5	6.0
60°	60.0	40.5	25.5	24.0	21.0	16.5	12.0	9.0	6.0	4.5	3.0
62.5°	42.0	31.5	22.5	21.0	16.5	12.0	7.5	4.5	3.0	1.5	1.5
65°	36.0	25.5	21.0	18.0	13.5	9.0	4.5	3.0	1.5	1.5	1.5
67.5°	31.5	24.0	18.0	15.0	12.0	6.0	3.0	1.5	1.5	1.5	1.5
69°	28.5	22.5	18.0	13.5	10.5	4.5	3.0	1.5	1.5	1.5	1.5
70°	27.0	21.0	16.5	13.5	9.0	4.5	1.5	1.5	1.5	1.5	1.5
72.5°	22.5	16.5	13.5	12.0	7.5	3.0	1.5	1.5	1.5	1.5	1.5
75°	16.5	13.5	9.0	9.0	6.0	3.0	1.5	1.5	1.5	1.5	0.0
77.5°	12.0	9.0	6.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	0.0
80°	7.5	6.0	4.5	4.5	3.0	3.0	0.0	1.5	1.5	1.5	1.5
82.5°	4.5	4.5	4.5	3.0	3.0	3.0	1.5	3.0	1.5	1.5	1.5
85°	4.5	4.5	4.5	3.0	3.0	3.0	1.5	3.0	3.0	3.0	1.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	1.5	4.5	4.5	3.0	3.0
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°	118.5	118.5	118.5	118.5	118.5
2.5°	82.5	82.5	84.0	85.5	85.5
5°	48.0	33.0	34.5	34.5	34.5
7.5°	22.5	22.5	24.0	24.0	24.0
10°	34.5	34.5	34.5	34.5	36.0
12.5°	31.5	33.0	33.0	33.0	34.5
15°	37.5	39.0	40.5	40.5	42.0
17.5°	34.5	34.5	37.5	37.5	37.5
20°	40.5	40.5	40.5	40.5	40.5
22.5°	36.0	37.5	42.0	43.5	45.0
25°	42.0	40.5	40.5	40.5	40.5
27.5°	42.0	42.0	43.5	43.5	43.5
30°	42.0	39.0	39.0	40.5	42.0
32.5°	42.0	42.0	40.5	40.5	40.5
35°	39.0	42.0	42.0	42.0	42.0
37.5°	37.5	37.5	42.0	43.5	43.5
40°	36.0	37.5	39.0	45.0	45.0
42.5°	34.5	37.5	40.5	43.5	43.5
45°	33.0	36.0	37.5	40.5	40.5
47.5°	30.0	33.0	34.5	36.0	36.0
50°	27.0	27.0	28.5	28.5	27.0
52.5°	19.5	19.5	18.0	18.0	18.0
55°	12.0	10.5	10.5	10.5	9.0
57.5°	6.0	6.0	4.5	4.5	4.5
60°	3.0	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	0.0	0.0	0.0
65°	1.5	1.5	0.0	0.0	0.0
67.5°	1.5	0.0	0.0	0.0	0.0
69°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	0.0	0.0
87.5°	3.0	1.5	1.5	1.5	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)