

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: P152054

Luminaire Tested: **AVS-F04-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152054
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F04-LED-E-U-SL4-HSS-7030
Description: VISION SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6136.9 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

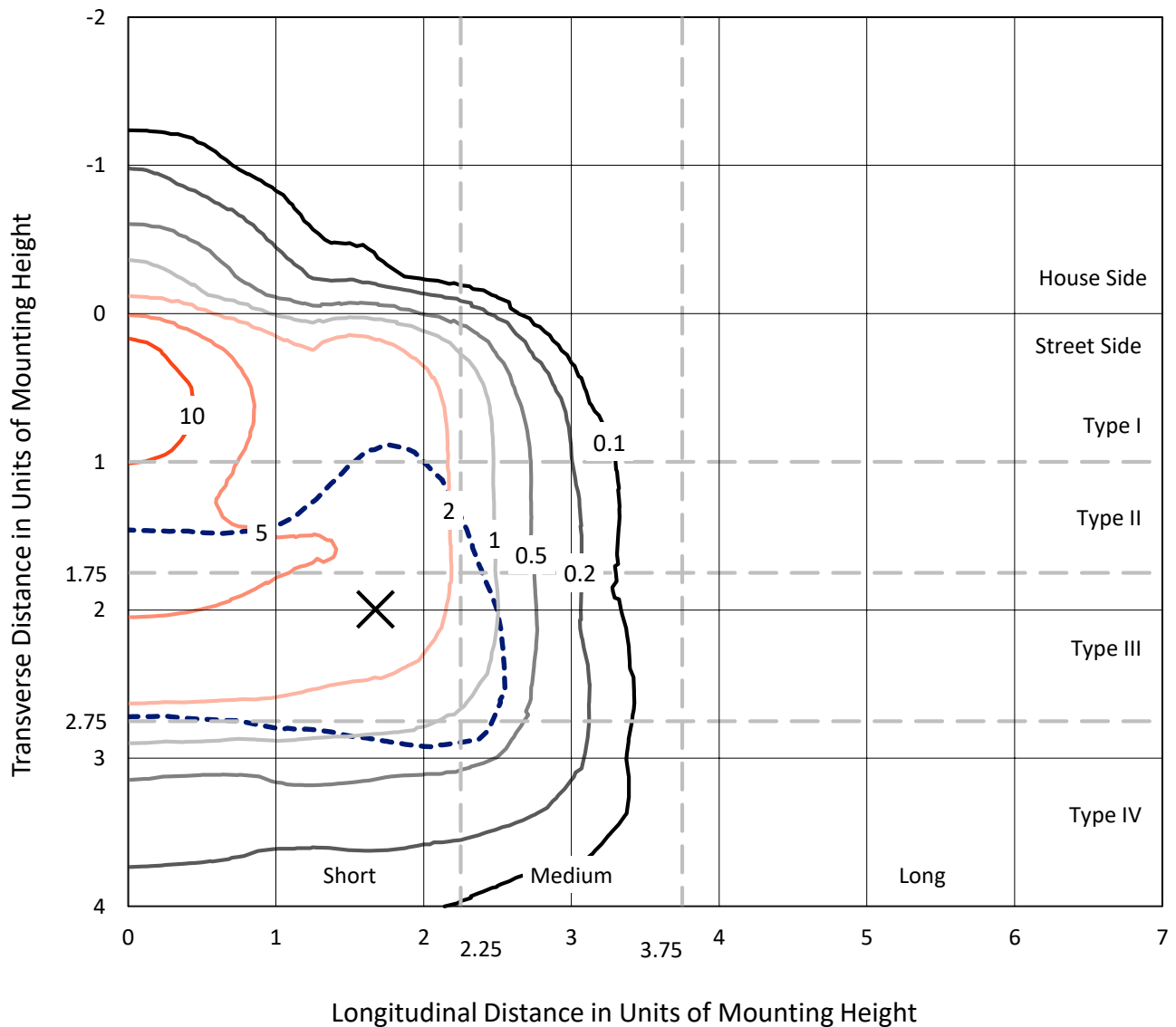
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

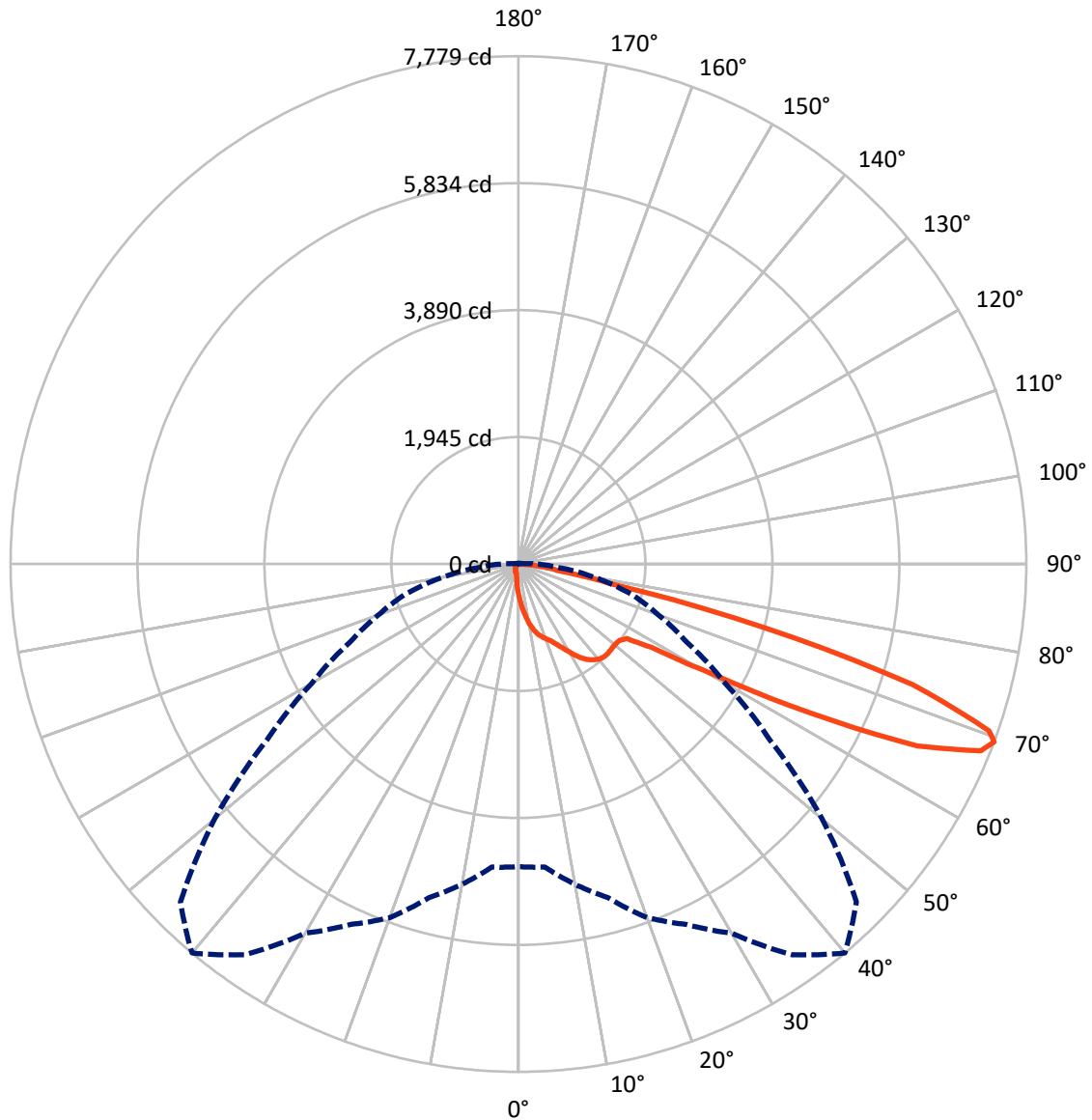
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	182.8	0.0	182.8
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	5954.2	0.0	5954.2
	% Fixture	97.0	0.0	97.0
Total	Lumens	6136.9	0.0	6136.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	0.8
10°-20°	164.2	2.7
20°-30°	314.3	5.1
30°-40°	522.8	8.5
40°-50°	707.4	11.5
50°-60°	1106.3	18.0
60°-70°	2274.5	37.1
70°-80°	915.2	14.9
80°-90°	84.7	1.4
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°	6136.9	100.0
0°-180°	6136.9	100.0



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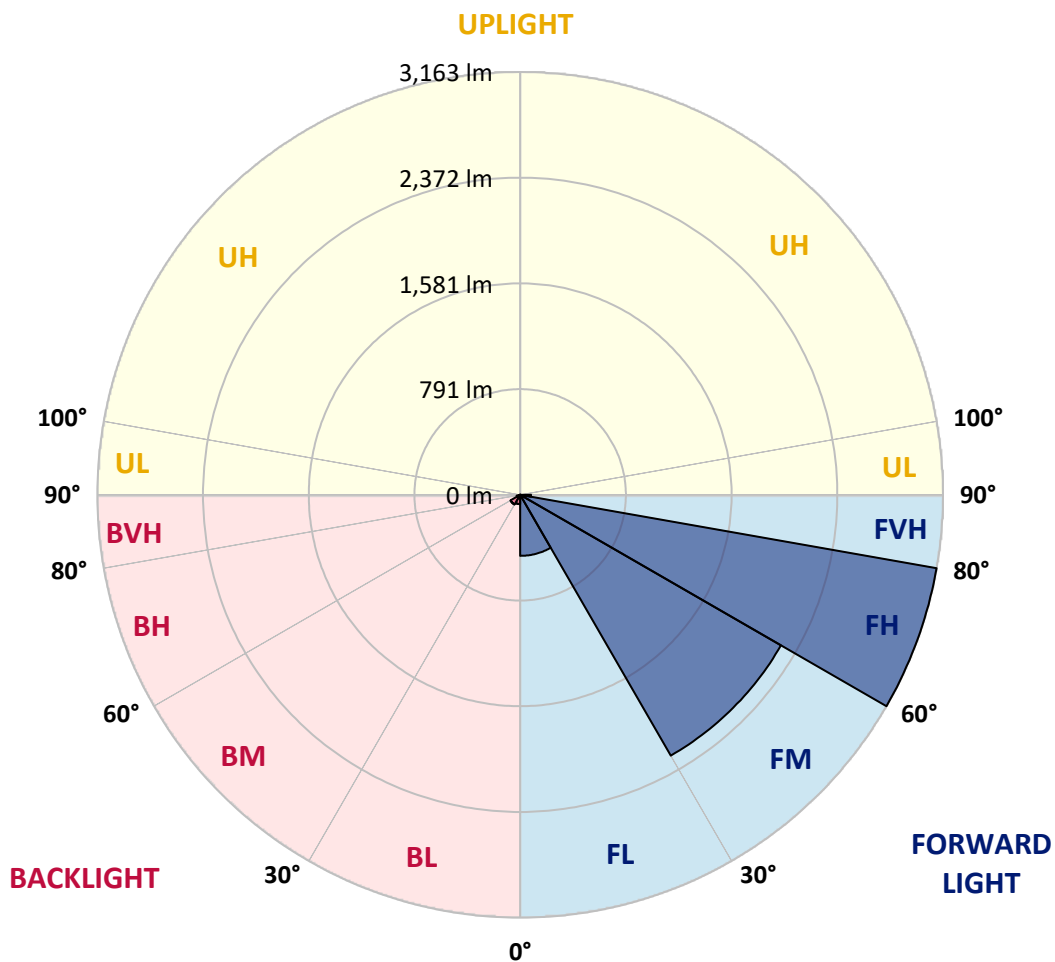
CATALOG NUMBER: AVS-F04-LED-E-U-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	456.7	7.4			
FM (30°-60°)	2253.0	36.7			
FH (60°-80°)	3163.0	51.5			G2/5000
FVH (80°-90°)	81.5	1.3			G1/100
BL (0°-30°)	69.5	1.1	B0/110		
BM (30°-60°)	83.4	1.4	B0/220		
BH (60°-80°)	26.7	0.4	B0/110		G0/110
BVH (80°-90°)	3.2	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
2.5°	618.2	611.2	603.2	603.2	593.2	593.2	587.2	571.0	569.0	560.0	550.9
5°	789.2	783.1	773.1	764.0	756.0	742.0	731.9	712.7	691.7	671.6	653.5
7.5°	956.1	953.1	934.9	931.9	918.9	895.8	875.6	847.5	811.3	783.1	749.9
10°	1110.9	1103.8	1099.8	1082.7	1063.6	1038.5	1007.4	973.2	930.9	886.7	839.5
12.5°	1233.6	1229.5	1211.4	1204.4	1184.2	1159.2	1119.9	1075.6	1033.5	976.2	920.8
15°	1325.0	1318.0	1305.9	1294.8	1270.8	1248.6	1212.4	1164.1	1112.8	1050.6	984.2
17.5°	1401.5	1388.4	1385.4	1368.3	1343.1	1317.0	1276.8	1232.5	1172.2	1109.8	1037.5
20°	1503.9	1485.9	1479.8	1454.7	1425.6	1389.3	1343.1	1287.8	1224.5	1156.2	1081.8
22.5°	1624.6	1611.5	1598.4	1576.4	1539.2	1487.9	1420.5	1360.2	1279.8	1204.4	1123.9
25°	1795.5	1784.5	1763.3	1733.2	1686.9	1625.6	1544.1	1455.8	1361.2	1264.7	1170.2
27.5°	1961.3	1951.3	1936.3	1913.2	1860.8	1793.5	1693.0	1580.4	1460.7	1344.1	1239.6
30°	2117.2	2108.2	2093.1	2069.9	2023.7	1957.4	1843.7	1723.1	1574.3	1438.7	1313.0
32.5°	2285.1	2282.1	2265.0	2231.8	2191.6	2102.2	1978.4	1848.8	1698.0	1541.1	1394.4
35°	2475.1	2452.0	2435.9	2402.7	2334.4	2238.9	2094.1	1952.3	1793.5	1632.6	1468.8
37.5°	2636.0	2613.9	2593.8	2551.5	2468.1	2346.4	2182.6	2026.7	1862.9	1699.0	1532.1
40°	2753.6	2742.5	2718.4	2663.1	2569.6	2424.9	2247.9	2078.0	1913.2	1748.3	1583.4
42.5°	2841.0	2823.9	2796.8	2739.5	2628.9	2464.0	2274.1	2099.1	1936.3	1778.4	1616.6
45°	2873.3	2859.2	2834.0	2771.7	2652.0	2475.1	2273.1	2093.1	1937.3	1787.5	1638.7
47.5°	2854.1	2840.0	2817.9	2759.6	2642.0	2462.1	2254.9	2076.0	1927.3	1790.5	1658.8
50°	2790.8	2782.7	2765.7	2716.4	2610.8	2436.9	2238.9	2066.9	1925.2	1805.6	1686.9
52.5°	2784.8	2779.7	2758.7	2709.3	2601.8	2428.9	2236.9	2072.0	1942.3	1824.7	1707.0
55°	3403.0	3331.6	3171.8	3036.1	2812.8	2547.5	2338.3	2153.4	2014.7	1900.1	1817.6
57.5°	4836.6	4730.1	4519.9	4261.6	3748.8	3245.2	2842.1	2550.5	2406.7	2354.5	2385.6
60°	5508.2	5489.1	5455.9	5333.3	5070.9	4637.5	4155.0	3633.3	3424.1	3406.0	3469.3
62.5°	5826.8	5814.8	5824.9	5809.7	5728.3	5601.7	5462.9	5237.7	5030.7	4896.9	4613.5
65°	5973.7	5981.7	6039.0	6084.2	6094.3	6127.5	6229.0	6509.4	6714.6	6369.7	5582.6
67.5°	5600.6	5647.9	5779.6	5944.5	6137.5	6324.5	6626.1	7217.2	7638.4	7233.3	6115.4
69°	4636.6	4659.7	4981.3	5292.0	5763.5	6093.3	6530.6	7305.7	7779.2	7321.8	6073.2
70°	3650.4	3671.4	4016.3	4438.5	5235.8	5660.0	6232.0	7155.9	7647.5	7204.1	5856.1
72.5°	1646.7	1616.6	1738.2	1964.5	2831.0	3504.6	4504.9	5797.7	6309.4	5771.6	4381.2
75°	1150.1	1137.0	1150.1	1151.1	1285.8	1658.8	2093.1	3142.7	3886.6	3353.8	2093.1
77.5°	890.7	881.7	872.6	862.6	878.7	984.2	1026.4	1114.9	1447.7	1369.2	798.2
80°	704.8	696.7	718.8	711.8	711.8	723.8	715.8	682.6	620.3	575.0	514.7
82.5°	327.8	329.7	329.7	357.9	431.3	503.6	526.8	493.6	438.3	373.0	300.6
85°	31.2	35.2	59.3	91.5	182.0	205.1	206.1	170.9	170.9	134.7	108.6
87.5°	0.0	1.0	1.0	1.0	9.0	25.2	21.1	6.0	3.0	3.0	5.1
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°	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
2.5°	534.8	531.8	519.8	507.7	496.6	484.6	473.5	462.5	450.4	441.3	430.3
5°	625.3	603.2	578.0	553.9	529.8	504.7	478.5	455.4	431.3	409.1	388.1
7.5°	716.8	673.6	639.4	596.2	557.0	517.7	481.6	444.4	410.2	378.0	347.9
10°	794.2	742.0	688.6	633.4	577.1	524.8	474.5	430.3	385.1	345.8	308.6
12.5°	857.5	791.2	725.8	656.5	593.2	526.8	464.5	411.2	357.9	313.7	275.4
15°	914.8	838.4	760.0	679.6	599.2	523.7	454.4	388.1	333.8	283.5	240.3
17.5°	961.1	873.7	785.2	694.7	608.2	519.8	441.3	372.0	308.6	256.4	214.1
20°	1001.3	909.8	814.3	712.7	614.3	518.8	430.3	351.8	286.5	231.2	190.1
22.5°	1038.5	947.0	844.5	735.9	623.3	517.7	420.2	336.8	267.5	212.1	170.9
25°	1080.7	984.2	876.7	760.0	639.4	521.8	414.2	324.8	250.4	194.0	155.9
27.5°	1128.0	1026.4	914.8	790.2	660.5	529.8	412.2	311.6	235.2	176.9	143.7
30°	1194.3	1076.7	953.1	820.3	679.6	538.9	410.2	303.6	220.2	163.8	131.7
32.5°	1252.6	1126.0	995.2	851.5	700.7	547.9	409.1	292.5	206.1	150.8	122.7
35°	1314.0	1171.2	1031.5	881.7	718.8	557.9	408.2	284.5	193.1	137.7	113.6
37.5°	1367.3	1209.4	1059.6	907.8	739.0	567.0	409.1	277.5	180.9	126.6	105.6
40°	1412.4	1248.6	1090.8	931.9	760.0	581.0	410.2	270.5	168.9	116.6	98.5
42.5°	1452.6	1285.8	1123.9	959.1	784.1	597.2	416.2	264.4	158.9	107.6	91.5
45°	1483.8	1320.0	1160.1	997.3	823.3	623.3	427.3	260.4	148.8	99.5	85.5
47.5°	1516.1	1370.3	1221.5	1057.6	880.6	664.6	446.3	259.4	140.7	93.5	80.4
50°	1560.3	1420.5	1275.8	1119.0	933.0	706.7	469.5	260.4	130.7	87.5	75.4
52.5°	1592.4	1471.8	1346.1	1225.5	1057.6	835.4	559.0	278.4	125.7	82.5	69.3
55°	1782.5	1761.3	1764.4	1784.5	1654.7	1421.6	934.9	402.2	147.8	93.5	68.4
57.5°	2513.3	2587.7	2631.0	2629.9	2415.8	2003.6	1255.6	516.8	164.9	108.6	81.5
60°	3474.4	3418.1	3338.7	3142.7	2858.1	2287.2	1404.5	556.0	142.8	86.4	74.4
62.5°	4323.9	3994.2	3701.6	3383.9	3011.0	2385.6	1434.6	553.0	124.7	65.4	52.2
65°	4853.7	4260.5	3788.1	3389.9	2950.7	2303.2	1357.2	507.7	105.6	53.3	43.2
67.5°	4980.4	4116.8	3448.3	2940.6	2465.1	1792.5	996.3	382.1	82.5	44.2	38.2
69°	4703.9	3659.4	2857.1	2281.0	1793.5	1189.3	616.3	241.2	63.3	40.2	35.2
70°	4326.9	3182.9	2327.4	1830.7	1328.1	835.4	431.3	169.9	51.3	37.2	32.1
72.5°	2783.7	1671.8	1144.0	796.2	547.9	332.7	168.9	76.4	39.2	31.2	26.1
75°	1079.7	618.2	448.4	340.8	266.4	185.0	102.6	49.2	33.2	26.1	20.1
77.5°	531.8	407.2	332.7	228.2	132.7	82.5	55.3	38.2	27.2	19.1	13.1
80°	420.2	279.5	166.8	103.5	78.4	59.3	42.2	31.2	20.1	12.0	9.0
82.5°	215.1	117.6	86.4	70.4	58.3	46.2	34.2	22.1	13.1	8.1	7.0
85°	67.4	49.2	44.2	43.2	40.2	33.2	24.1	14.1	8.1	5.1	5.1
87.5°	5.1	7.0	9.0	7.0	8.1	7.0	9.0	6.0	4.0	4.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
2.5°	422.3	410.2	399.1	392.1	379.0	374.0	368.9	366.9	357.9	359.9	351.8
5°	368.9	347.9	331.7	315.6	300.6	289.5	280.5	269.4	260.4	256.4	248.3
7.5°	320.7	293.6	272.4	255.3	237.3	223.2	211.1	203.1	195.0	186.9	183.0
10°	278.4	249.3	225.2	208.1	191.0	179.0	169.9	163.8	158.9	155.9	154.8
12.5°	239.3	211.1	189.0	173.9	160.8	154.8	150.8	147.8	146.7	145.8	145.8
15°	209.1	180.9	163.8	152.8	146.7	143.7	142.8	140.7	138.8	137.7	137.7
17.5°	180.9	159.9	147.8	141.8	138.8	136.7	134.7	132.7	130.7	129.6	129.6
20°	161.9	144.8	138.8	134.7	131.7	129.6	126.6	124.7	123.6	122.7	121.7
22.5°	146.7	135.8	131.7	128.7	124.7	121.7	119.6	117.6	115.6	114.6	113.6
25°	135.8	128.7	125.7	121.7	117.6	114.6	111.6	108.6	106.5	105.6	103.5
27.5°	127.7	122.7	118.7	113.6	109.5	106.5	103.5	100.5	98.5	96.5	95.5
30°	120.6	115.6	110.6	106.5	101.6	98.5	94.5	91.5	90.5	88.5	86.4
32.5°	113.6	108.6	103.5	98.5	93.5	89.4	87.5	83.4	81.5	80.4	78.4
35°	105.6	100.5	94.5	90.5	85.5	81.5	78.4	75.4	73.4	71.4	70.4
37.5°	98.5	92.5	86.4	81.5	77.4	73.4	70.4	67.4	65.4	63.3	62.3
40°	90.5	84.5	78.4	73.4	69.3	66.3	63.3	60.3	58.3	57.3	57.3
42.5°	83.4	76.4	70.4	66.3	63.3	59.3	56.3	53.3	52.2	51.3	52.2
45°	76.4	69.3	64.4	60.3	57.3	53.3	50.3	48.3	47.3	48.3	49.2
47.5°	70.4	63.3	58.3	55.3	52.2	49.2	46.2	44.2	44.2	46.2	48.3
50°	64.4	57.3	53.3	51.3	48.3	45.3	41.2	40.2	41.2	43.2	45.3
52.5°	58.3	50.3	47.3	46.2	43.2	40.2	37.2	36.2	37.2	39.2	38.2
55°	52.2	44.2	43.2	42.2	39.2	35.2	32.1	32.1	32.1	31.2	29.1
57.5°	50.3	39.2	38.2	37.2	34.2	30.2	28.2	26.1	25.2	22.1	21.1
60°	52.2	35.2	35.2	33.2	30.2	26.1	23.1	20.1	18.1	16.1	16.1
62.5°	42.2	32.1	31.2	29.1	25.2	21.1	18.1	15.1	14.1	13.1	13.1
65°	34.2	29.1	27.2	24.1	21.1	17.1	14.1	12.0	11.1	11.1	12.0
67.5°	31.2	26.1	23.1	20.1	17.1	13.1	11.1	10.1	10.1	11.1	11.1
69°	29.1	24.1	21.1	18.1	15.1	12.0	10.1	10.1	10.1	10.1	11.1
70°	27.2	23.1	20.1	17.1	13.1	10.1	9.0	9.0	10.1	10.1	11.1
72.5°	21.1	18.1	17.1	14.1	10.1	9.0	8.1	9.0	9.0	10.1	10.1
75°	16.1	13.1	13.1	11.1	8.1	7.0	7.0	8.1	8.1	9.0	9.0
77.5°	11.1	9.0	9.0	8.1	7.0	6.0	6.0	7.0	8.1	8.1	9.0
80°	8.1	7.0	6.0	7.0	6.0	5.1	6.0	7.0	7.0	8.1	8.1
82.5°	6.0	6.0	6.0	6.0	5.1	5.1	6.0	6.0	7.0	8.1	8.1
85°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	6.0	6.0	7.0	7.0
87.5°	3.0	3.0	3.0	4.0	4.0	5.1	5.1	5.1	5.1	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):

	165°	170°	175°	180°
0°	463.4	463.4	463.4	463.4
2.5°	349.8	348.8	344.9	345.8
5°	245.3	239.3	243.3	242.3
7.5°	180.0	179.0	177.9	180.0
10°	153.8	153.8	152.8	153.8
12.5°	144.8	144.8	144.8	144.8
15°	137.7	137.7	136.7	136.7
17.5°	129.6	129.6	129.6	128.7
20°	121.7	120.6	120.6	120.6
22.5°	112.6	111.6	111.6	111.6
25°	103.5	102.6	102.6	102.6
27.5°	94.5	93.5	92.5	92.5
30°	85.5	84.5	83.4	83.4
32.5°	76.4	75.4	74.4	74.4
35°	68.4	68.4	67.4	66.3
37.5°	61.3	61.3	61.3	61.3
40°	56.3	57.3	57.3	57.3
42.5°	53.3	54.3	55.3	56.3
45°	51.3	53.3	54.3	54.3
47.5°	50.3	51.3	52.2	52.2
50°	46.2	45.3	45.3	45.3
52.5°	37.2	35.2	34.2	33.2
55°	27.2	26.1	24.1	24.1
57.5°	19.1	19.1	18.1	18.1
60°	15.1	15.1	14.1	15.1
62.5°	13.1	13.1	13.1	13.1
65°	12.0	12.0	12.0	12.0
67.5°	12.0	12.0	12.0	12.0
69°	11.1	11.1	11.1	11.1
70°	11.1	11.1	11.1	11.1
72.5°	10.1	10.1	10.1	10.1
75°	9.0	10.1	10.1	10.1
77.5°	9.0	9.0	9.0	9.0
80°	8.1	8.1	9.0	9.0
82.5°	8.1	8.1	8.1	8.1
85°	7.0	7.0	8.1	8.1
87.5°	6.0	6.0	7.0	7.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)