

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: P156326

Luminaire Tested: **AVM-F06-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P156326  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33725)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-F06-LED-E-U-T4-HSS-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 SHORT W/ HOUSE SIDE SHIELD  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

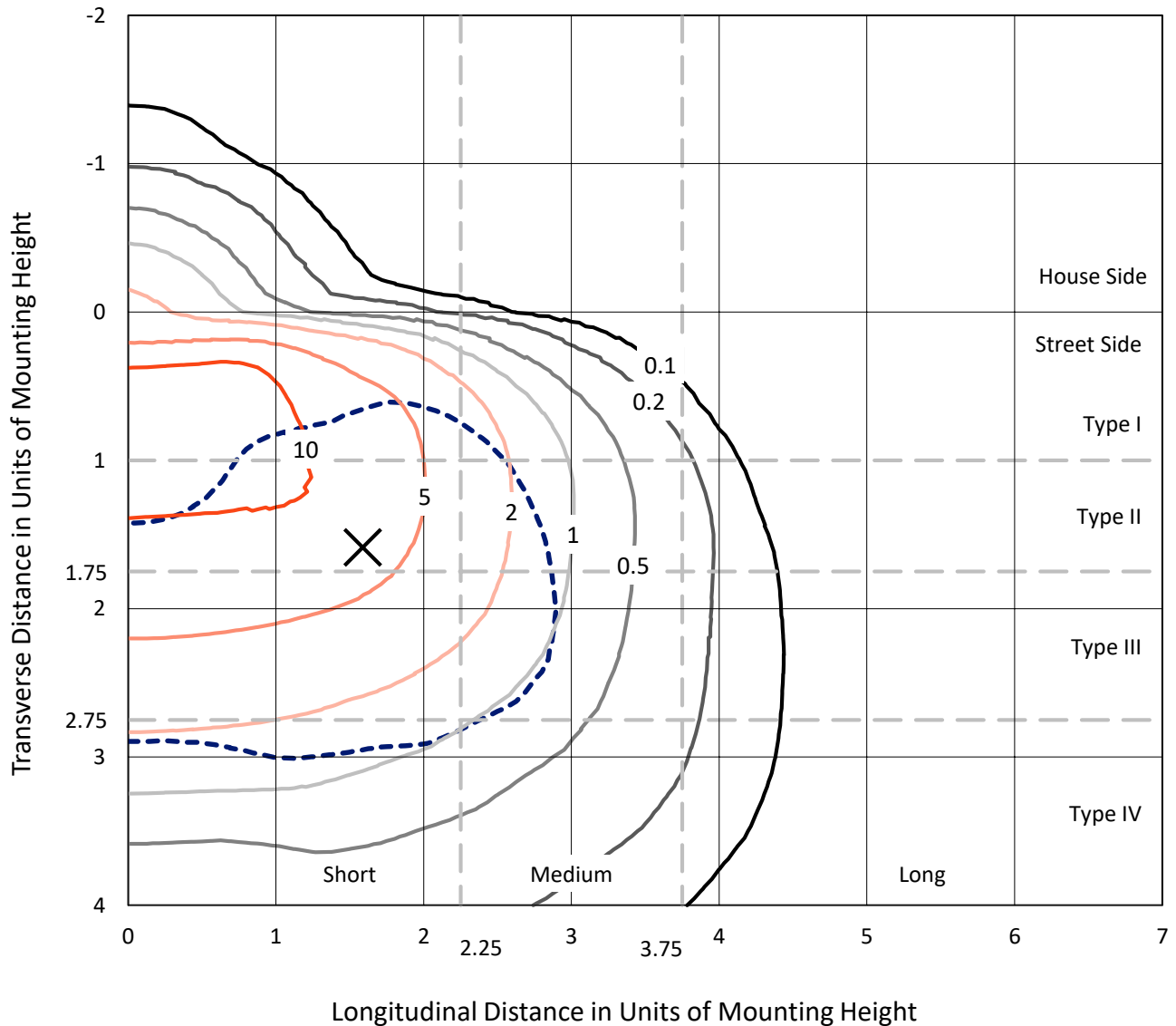
Lumens per Lamp: N/A  
Luminaire Lumens: 9829.6 lumens  
Efficiency: N/A  
Efficacy: 62.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G3  
  
Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

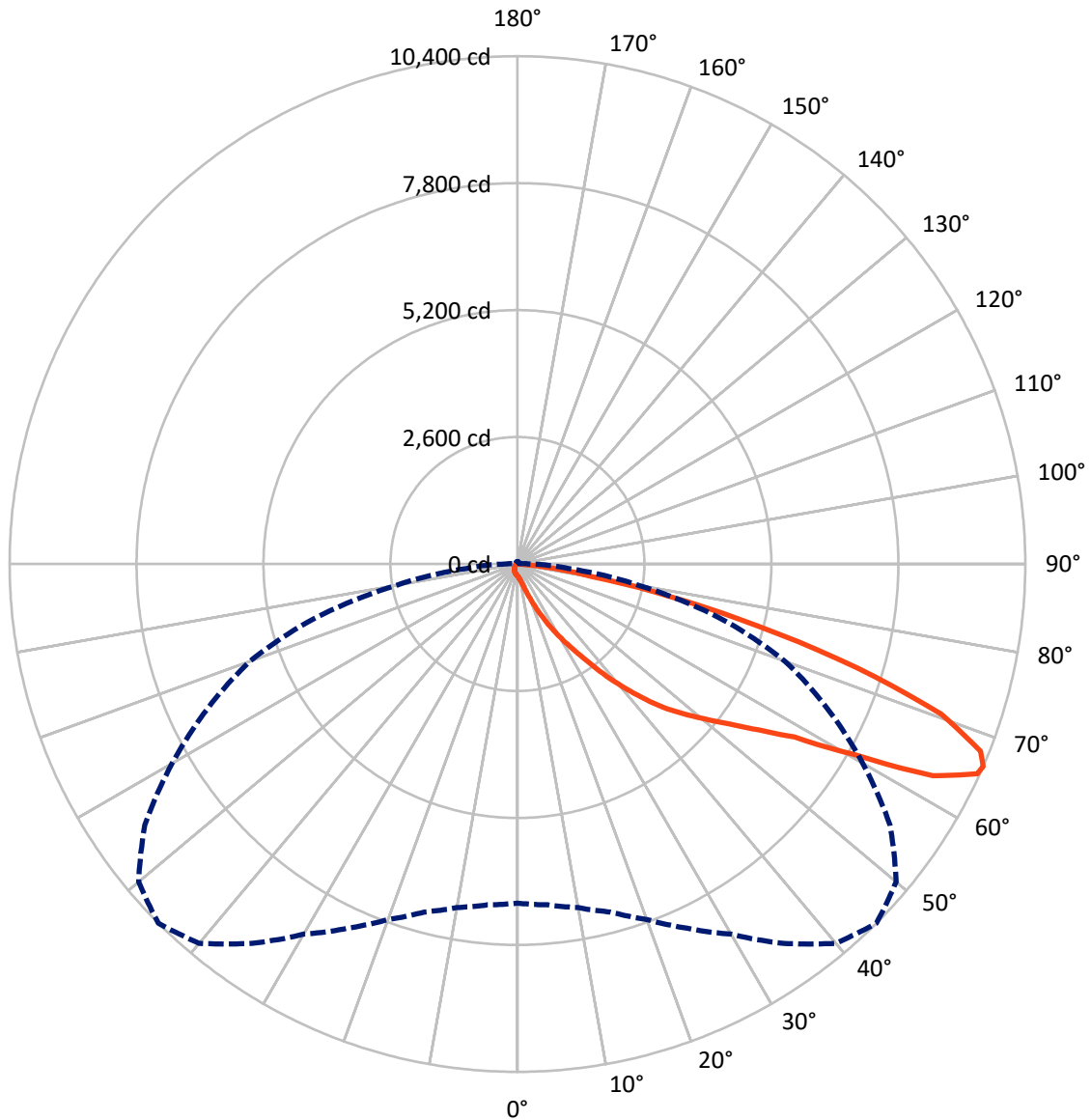
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	222.8	0.0	222.8
	% Fixture	2.3	0.0	2.3
<b>Street Side</b>	Lumens	9606.9	0.0	9606.9
	% Fixture	97.7	0.0	97.7
<b>Total</b>	Lumens	9829.6	0.0	9829.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.7	0.3
10°-20°	100.2	1.0
20°-30°	293.7	3.0
30°-40°	686.0	7.0
40°-50°	1288.5	13.1
50°-60°	2135.3	21.7
60°-70°	3389.8	34.5
70°-80°	1753.1	17.8
80°-90°	158.3	1.6
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°	9829.6	100.0
0°-180°	9829.6	100.0



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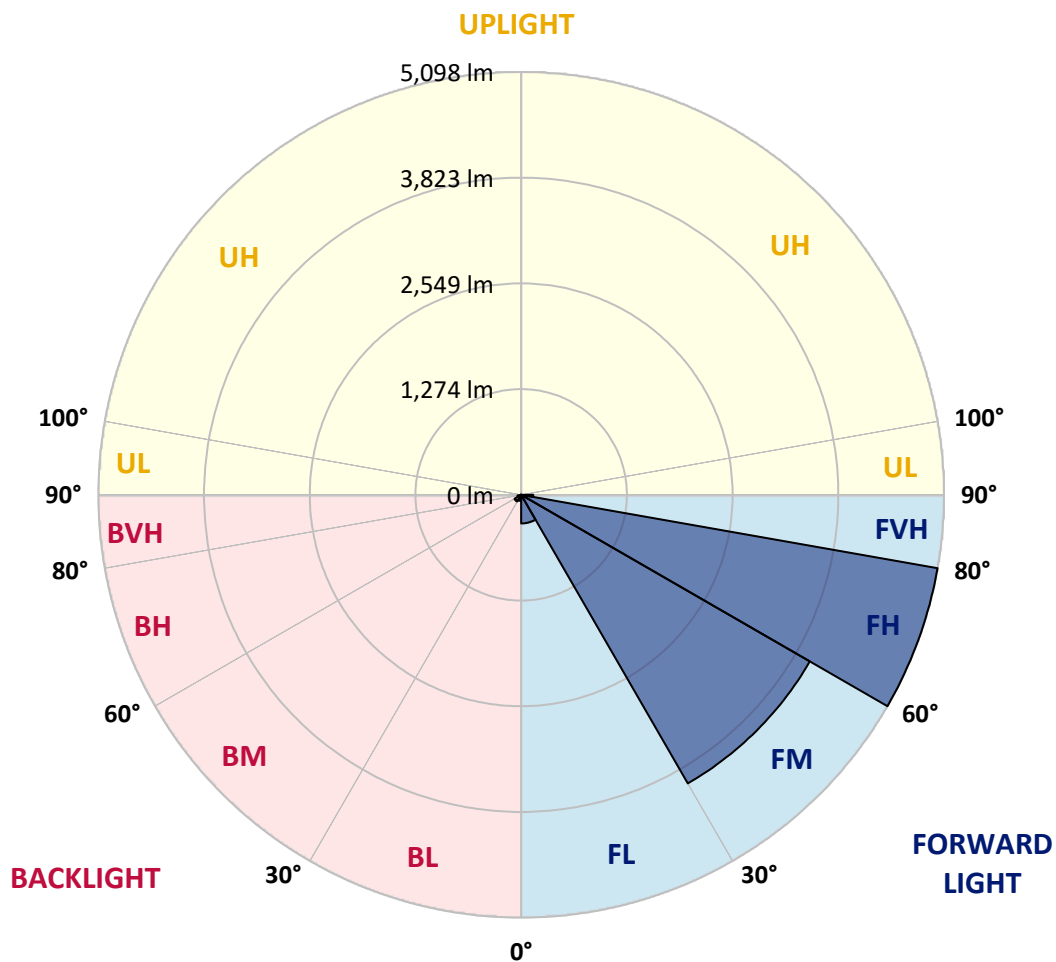
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.9	3.5			
FM	(30°-60°)	4017.4	40.9			
FH	(60°-80°)	5097.8	51.9			G3/7500
FVH	(80°-90°)	145.8	1.5			G2/225
BL	(0°-30°)	72.8	0.7	B0/110		
BM	(30°-60°)	92.4	0.9	B0/220		
BH	(60°-80°)	45.1	0.5	B0/110		G0/110
BVH	(80°-90°)	12.5	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
2.5°	266.0	266.0	266.0	266.0	264.3	262.6	260.9	259.2	257.5	257.5	255.8
5°	301.6	303.3	301.6	299.9	296.5	294.8	289.7	286.3	281.2	279.5	274.5
7.5°	350.7	349.0	350.7	345.6	338.8	337.1	330.4	321.9	315.1	304.9	298.2
10°	421.8	420.1	421.8	411.7	401.5	393.0	381.2	371.0	355.8	343.9	330.4
12.5°	535.4	535.4	532.0	518.4	504.9	486.2	467.6	445.6	418.5	394.7	372.7
15°	709.8	701.4	686.1	677.7	653.9	625.1	604.8	560.8	521.8	484.5	440.5
17.5°	919.9	903.0	891.1	872.5	842.0	804.7	770.8	706.5	667.5	606.5	543.8
20°	1160.5	1140.2	1136.8	1108.0	1075.8	1035.1	986.0	909.8	843.7	767.5	679.4
22.5°	1406.1	1409.5	1396.0	1375.7	1343.5	1296.0	1219.8	1150.3	1069.0	972.4	858.9
25°	1680.6	1678.9	1667.0	1643.3	1619.6	1560.3	1499.3	1433.3	1336.7	1213.0	1077.5
27.5°	1938.1	1936.4	1907.6	1909.3	1863.6	1841.5	1782.2	1711.1	1594.2	1490.9	1343.5
30°	2207.5	2190.5	2171.9	2158.3	2126.2	2087.2	2056.7	1972.0	1883.9	1761.9	1641.6
32.5°	2480.2	2461.6	2466.7	2449.7	2424.3	2385.4	2339.6	2270.2	2175.3	2056.7	1944.9
35°	2814.0	2805.5	2792.0	2797.0	2792.0	2763.2	2724.2	2632.7	2529.4	2415.9	2300.7
37.5°	3061.3	3052.9	3061.3	3096.9	3105.4	3124.0	3095.2	3049.5	2974.9	2851.3	2731.0
40°	3290.0	3291.7	3330.7	3374.7	3405.2	3466.2	3476.4	3457.8	3398.5	3285.0	3127.4
42.5°	3495.0	3520.4	3556.0	3628.9	3694.9	3781.3	3845.7	3855.9	3811.8	3737.3	3578.0
45°	3723.7	3745.8	3801.7	3888.1	3979.6	4086.3	4189.6	4243.8	4240.5	4187.9	4016.8
47.5°	3979.6	4008.4	4069.4	4140.5	4262.5	4382.8	4516.6	4613.2	4653.8	4581.0	4415.0
50°	4289.6	4301.4	4354.0	4445.5	4557.3	4696.2	4841.9	4982.5	5062.1	4994.4	4823.2
52.5°	4657.2	4660.6	4709.7	4794.4	4884.2	5036.7	5179.0	5373.8	5477.2	5439.9	5234.9
55°	5162.1	5151.9	5185.8	5258.6	5331.5	5478.9	5621.2	5841.4	5992.2	5995.6	5777.1
57.5°	5851.6	5827.9	5849.9	5907.5	5988.8	6126.1	6305.6	6500.5	6702.1	6688.5	6508.9
60°	6812.2	6803.7	6844.4	6940.9	7079.9	7222.2	7425.5	7688.1	7865.9	7926.9	7738.9
62.5°	7450.9	7474.6	7567.8	7716.9	7984.5	8279.3	8657.1	9058.6	9397.5	9549.9	9290.7
65°	7176.4	7215.4	7361.1	7581.3	7935.4	8377.6	8879.0	9538.1	10122.6	10354.7	10085.3
66°	6944.3	7007.0	7144.2	7378.0	7747.4	8230.2	8753.7	9482.2	10139.5	10400.4	10125.9
67.5°	6542.8	6586.9	6742.7	7001.9	7398.4	7876.1	8442.0	9211.1	9953.1	10229.3	9956.5
70°	5724.5	5741.5	5868.5	6088.8	6395.4	6885.0	7398.4	8138.7	8821.4	9209.4	8911.2
72.5°	4260.8	4284.5	4494.6	4896.1	5294.2	5572.1	5875.3	6468.3	6908.7	7271.3	7213.7
75°	2049.9	2060.1	2200.7	2786.9	3562.8	3894.9	4176.1	4635.2	4802.9	5106.2	5060.4
77.5°	1299.4	1321.4	1412.9	1555.2	1995.7	2390.4	2612.4	2875.0	2924.1	3179.9	3030.8
80°	357.5	415.1	506.6	745.4	1279.1	1524.7	1624.7	1614.5	1624.7	1546.8	1495.9
82.5°	72.8	71.2	86.4	133.8	564.2	887.7	958.9	816.6	811.5	781.0	806.4
85°	18.6	16.9	20.3	42.4	96.6	262.6	330.4	184.7	140.6	133.8	118.6
87.5°	5.1	5.1	5.1	8.5	10.2	13.6	18.6	13.6	10.2	10.2	10.2
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
2.5°	254.1	254.1	252.4	250.7	250.7	249.0	247.3	245.7	244.0	242.3	240.6
5°	269.4	266.0	260.9	257.5	254.1	249.0	245.7	242.3	238.9	237.2	233.8
7.5°	289.7	281.2	274.5	264.3	257.5	250.7	244.0	238.9	233.8	230.4	227.0
10°	315.1	301.6	288.0	274.5	262.6	252.4	242.3	233.8	228.7	223.6	220.2
12.5°	347.3	327.0	308.3	288.0	269.4	254.1	240.6	230.4	223.6	218.5	213.5
15°	399.8	367.6	335.4	304.9	281.2	257.5	238.9	227.0	218.5	213.5	208.4
17.5°	482.8	425.2	374.4	332.1	293.1	262.6	238.9	223.6	213.5	206.7	201.6
20°	603.1	508.2	426.9	365.9	315.1	271.1	238.9	218.5	208.4	199.9	194.8
22.5°	745.4	626.8	515.0	413.4	340.5	282.9	238.9	213.5	201.6	194.8	188.1
25°	953.8	796.3	643.8	501.5	382.9	301.6	244.0	210.1	196.5	188.1	181.3
27.5°	1197.8	1008.0	818.3	618.4	447.3	328.7	250.7	206.7	191.4	181.3	174.5
30°	1475.6	1265.5	1033.4	774.2	532.0	364.2	262.6	205.0	184.7	174.5	166.0
32.5°	1777.2	1555.2	1301.1	974.1	657.3	418.5	277.8	203.3	177.9	166.0	155.9
35°	2136.3	1929.6	1619.6	1255.4	852.2	511.6	311.7	206.7	171.1	157.6	145.7
37.5°	2529.4	2309.1	1980.5	1553.5	1045.3	616.7	337.1	201.6	159.3	145.7	133.8
40°	2925.8	2673.4	2339.6	1867.0	1290.9	745.4	369.3	196.5	147.4	133.8	122.0
42.5°	3312.1	3046.1	2683.5	2188.8	1550.1	897.9	410.0	196.5	138.9	122.0	110.1
45°	3717.0	3396.8	3000.3	2497.2	1807.7	1072.4	467.6	194.8	128.8	111.8	98.3
47.5°	4099.8	3720.4	3264.6	2768.2	2083.8	1263.8	533.7	196.5	120.3	101.6	89.8
50°	4462.4	4027.0	3535.7	3010.5	2348.1	1470.5	615.0	198.2	111.8	93.2	81.3
52.5°	4858.8	4376.0	3827.1	3259.5	2609.0	1678.9	709.8	201.6	103.3	84.7	74.5
55°	5350.1	4814.8	4186.2	3564.5	2885.1	1889.0	801.3	205.0	94.9	77.9	67.8
57.5°	6058.3	5448.4	4769.0	4021.9	3251.1	2127.9	896.2	213.5	88.1	72.8	62.7
60°	7210.3	6483.5	5699.1	4818.2	3798.3	2451.4	1033.4	232.1	79.6	66.1	59.3
62.5°	8596.1	7721.9	6724.1	5655.1	4313.3	2670.0	1124.9	252.4	72.8	61.0	55.9
65°	9294.1	8192.9	7042.6	5888.9	4379.4	2605.6	1087.6	245.7	64.4	54.2	47.4
66°	9314.4	8167.5	6998.5	5838.0	4311.6	2527.7	1052.1	242.3	62.7	52.5	44.0
67.5°	9121.3	7949.0	6764.7	5607.6	4111.7	2376.9	987.7	230.4	57.6	47.4	39.0
70°	8167.5	7025.6	5939.7	4870.7	3537.4	2002.5	828.4	203.3	50.8	42.4	35.6
72.5°	6510.6	5580.5	4665.7	3832.2	2749.6	1502.7	653.9	166.0	44.0	37.3	30.5
75°	4547.1	3783.0	3086.7	2492.1	1728.0	899.6	423.5	116.9	37.3	30.5	25.4
77.5°	2537.8	2012.7	1521.3	1158.8	689.5	281.2	140.6	59.3	32.2	23.7	20.3
80°	1290.9	957.2	728.5	537.0	318.5	145.7	71.2	39.0	25.4	18.6	16.9
82.5°	750.5	550.6	438.8	347.3	218.5	110.1	57.6	28.8	16.9	13.6	15.2
85°	167.7	221.9	188.1	159.3	116.9	69.5	40.7	18.6	11.9	11.9	13.6
87.5°	13.6	18.6	16.9	22.0	23.7	22.0	16.9	10.2	8.5	10.2	10.2
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7	245.7
2.5°	238.9	237.2	237.2	235.5	233.8	233.8	233.8	232.1	233.8	233.8	233.8
5°	232.1	230.4	228.7	227.0	225.3	223.6	223.6	221.9	221.9	221.9	223.6
7.5°	225.3	221.9	220.2	216.9	215.2	213.5	213.5	211.8	211.8	211.8	211.8
10°	216.9	213.5	210.1	208.4	206.7	203.3	203.3	201.6	199.9	199.9	199.9
12.5°	210.1	206.7	203.3	199.9	196.5	194.8	193.1	191.4	189.7	189.7	189.7
15°	203.3	198.2	194.8	191.4	188.1	184.7	183.0	181.3	179.6	177.9	177.9
17.5°	196.5	191.4	186.4	183.0	179.6	176.2	174.5	169.4	169.4	167.7	167.7
20°	188.1	183.0	177.9	174.5	171.1	167.7	164.3	160.9	157.6	155.9	155.9
22.5°	181.3	176.2	171.1	166.0	160.9	155.9	152.5	149.1	147.4	145.7	144.0
25°	174.5	167.7	160.9	155.9	150.8	145.7	142.3	138.9	135.5	133.8	133.8
27.5°	166.0	159.3	152.5	145.7	140.6	135.5	132.1	127.1	125.4	123.7	122.0
30°	157.6	149.1	142.3	135.5	130.4	123.7	120.3	116.9	113.5	113.5	111.8
32.5°	147.4	138.9	132.1	125.4	118.6	113.5	110.1	106.7	105.0	101.6	101.6
35°	137.2	128.8	120.3	113.5	108.4	103.3	100.0	96.6	93.2	91.5	91.5
37.5°	125.4	116.9	110.1	103.3	98.3	93.2	89.8	86.4	84.7	83.0	81.3
40°	111.8	103.3	98.3	93.2	88.1	84.7	79.6	76.2	74.5	72.8	71.2
42.5°	100.0	91.5	88.1	84.7	79.6	76.2	71.2	67.8	64.4	62.7	61.0
45°	89.8	83.0	79.6	76.2	71.2	66.1	62.7	59.3	55.9	54.2	54.2
47.5°	79.6	74.5	71.2	67.8	62.7	59.3	54.2	52.5	49.1	49.1	49.1
50°	72.8	67.8	64.4	61.0	57.6	52.5	49.1	47.4	45.7	45.7	47.4
52.5°	67.8	62.7	59.3	55.9	52.5	49.1	45.7	44.0	44.0	45.7	47.4
55°	62.7	57.6	54.2	50.8	47.4	45.7	42.4	42.4	44.0	45.7	47.4
57.5°	59.3	52.5	49.1	47.4	44.0	42.4	42.4	42.4	44.0	45.7	49.1
60°	54.2	47.4	44.0	44.0	40.7	40.7	40.7	42.4	44.0	47.4	49.1
62.5°	47.4	42.4	40.7	40.7	39.0	39.0	40.7	42.4	45.7	47.4	49.1
65°	40.7	37.3	37.3	37.3	37.3	39.0	40.7	42.4	44.0	47.4	49.1
66°	37.3	35.6	35.6	37.3	37.3	39.0	40.7	42.4	44.0	45.7	47.4
67.5°	35.6	33.9	33.9	35.6	37.3	37.3	39.0	42.4	44.0	45.7	45.7
70°	30.5	30.5	30.5	33.9	35.6	37.3	39.0	40.7	42.4	44.0	45.7
72.5°	27.1	27.1	28.8	30.5	33.9	35.6	37.3	39.0	42.4	44.0	44.0
75°	23.7	23.7	27.1	28.8	32.2	33.9	37.3	39.0	40.7	42.4	42.4
77.5°	20.3	22.0	25.4	28.8	30.5	33.9	35.6	37.3	39.0	40.7	40.7
80°	18.6	22.0	25.4	27.1	28.8	30.5	32.2	35.6	37.3	39.0	40.7
82.5°	18.6	20.3	23.7	25.4	27.1	30.5	32.2	33.9	35.6	37.3	39.0
85°	15.2	18.6	20.3	23.7	25.4	28.8	30.5	30.5	32.2	33.9	35.6
87.5°	11.9	13.6	13.6	16.9	18.6	22.0	25.4	25.4	27.1	28.8	30.5
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):**

	165°	170°	175°	180°
0°	245.7	245.7	245.7	245.7
2.5°	233.8	235.5	235.5	235.5
5°	223.6	223.6	223.6	223.6
7.5°	211.8	211.8	211.8	211.8
10°	199.9	199.9	201.6	199.9
12.5°	189.7	188.1	188.1	188.1
15°	177.9	177.9	176.2	177.9
17.5°	166.0	166.0	164.3	164.3
20°	154.2	154.2	154.2	154.2
22.5°	144.0	142.3	142.3	142.3
25°	132.1	132.1	132.1	132.1
27.5°	122.0	122.0	122.0	122.0
30°	111.8	111.8	110.1	110.1
32.5°	101.6	101.6	101.6	101.6
35°	91.5	91.5	89.8	89.8
37.5°	79.6	79.6	79.6	79.6
40°	69.5	69.5	69.5	69.5
42.5°	61.0	61.0	59.3	59.3
45°	52.5	52.5	52.5	52.5
47.5°	49.1	49.1	49.1	49.1
50°	47.4	49.1	49.1	49.1
52.5°	49.1	49.1	49.1	49.1
55°	49.1	50.8	50.8	50.8
57.5°	49.1	50.8	50.8	52.5
60°	50.8	52.5	52.5	52.5
62.5°	50.8	52.5	52.5	52.5
65°	49.1	50.8	50.8	50.8
66°	49.1	49.1	49.1	50.8
67.5°	47.4	49.1	49.1	49.1
70°	45.7	47.4	47.4	49.1
72.5°	45.7	47.4	47.4	47.4
75°	44.0	44.0	45.7	45.7
77.5°	42.4	42.4	44.0	44.0
80°	40.7	42.4	42.4	42.4
82.5°	39.0	40.7	40.7	40.7
85°	35.6	37.3	37.3	37.3
87.5°	30.5	30.5	32.2	32.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)