

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: INVUE

Report Number: P180608

Luminaire Tested: **ICM-E06-LED-E1-SL3-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180608
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33727)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-SL3-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9677.2 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 150.5
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: 25 FT

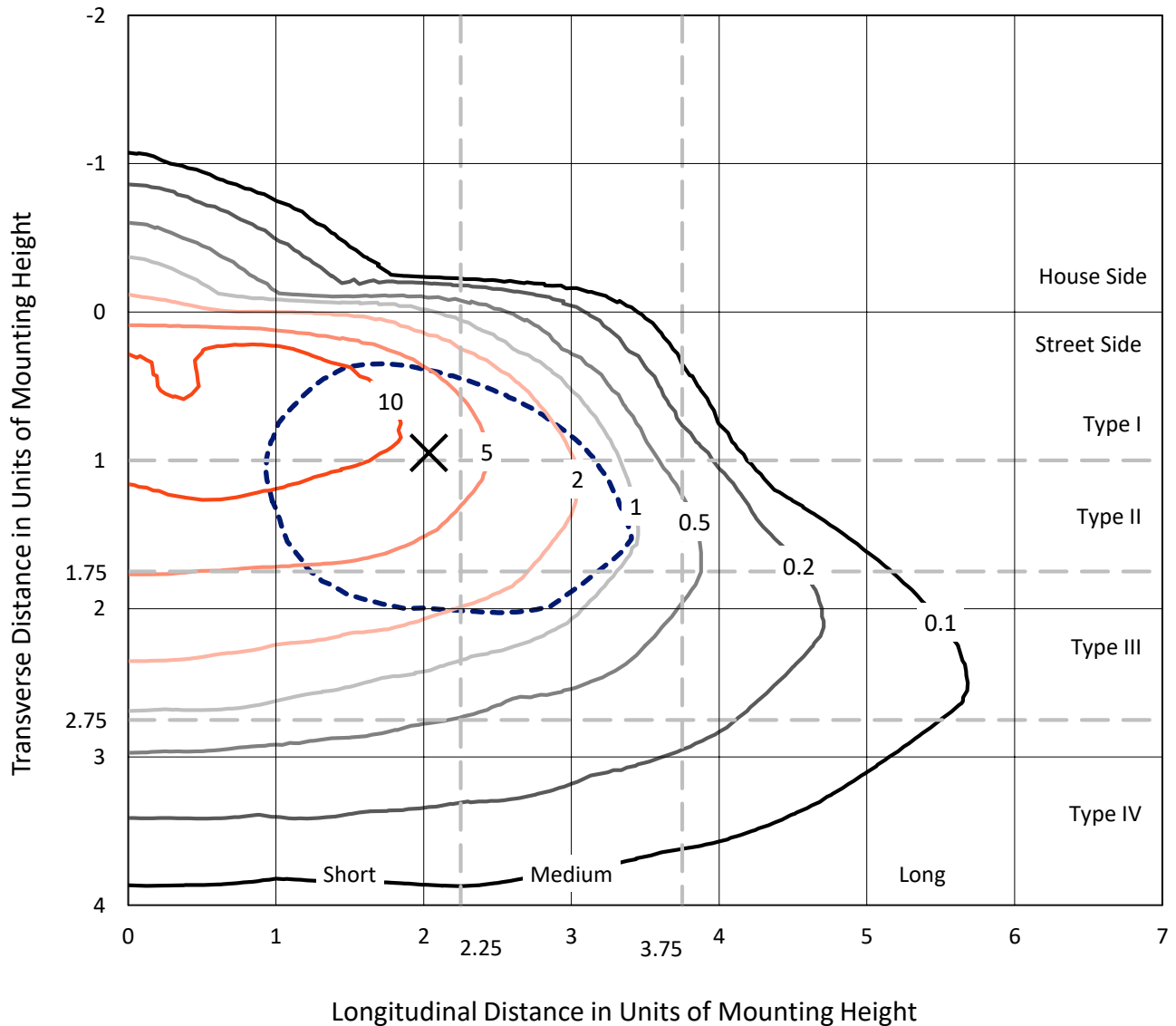


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

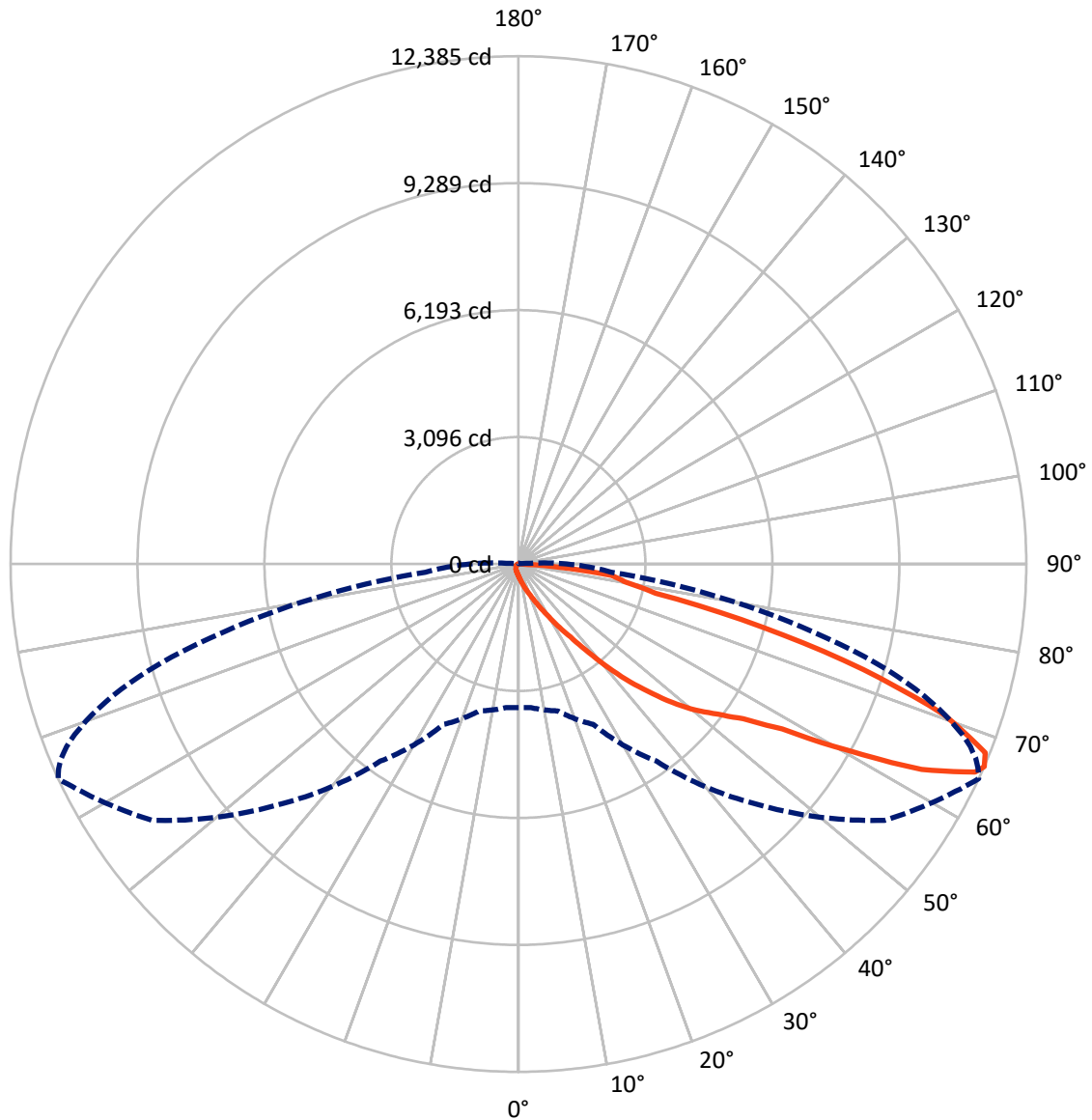


Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	209.7	0.0	209.7
	% Fixture	2.2	0.0	2.2
Street Side	Lumens	9467.5	0.0	9467.5
	% Fixture	97.8	0.0	97.8
Total	Lumens	9677.2	0.0	9677.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	0.3
10°-20°	138.6	1.4
20°-30°	299.0	3.1
30°-40°	638.6	6.6
40°-50°	1412.3	14.6
50°-60°	2393.3	24.7
60°-70°	3193.7	33.0
70°-80°	1406.8	14.5
80°-90°	162.0	1.7
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°	9677.2	100.0
0°-180°	9677.2	100.0



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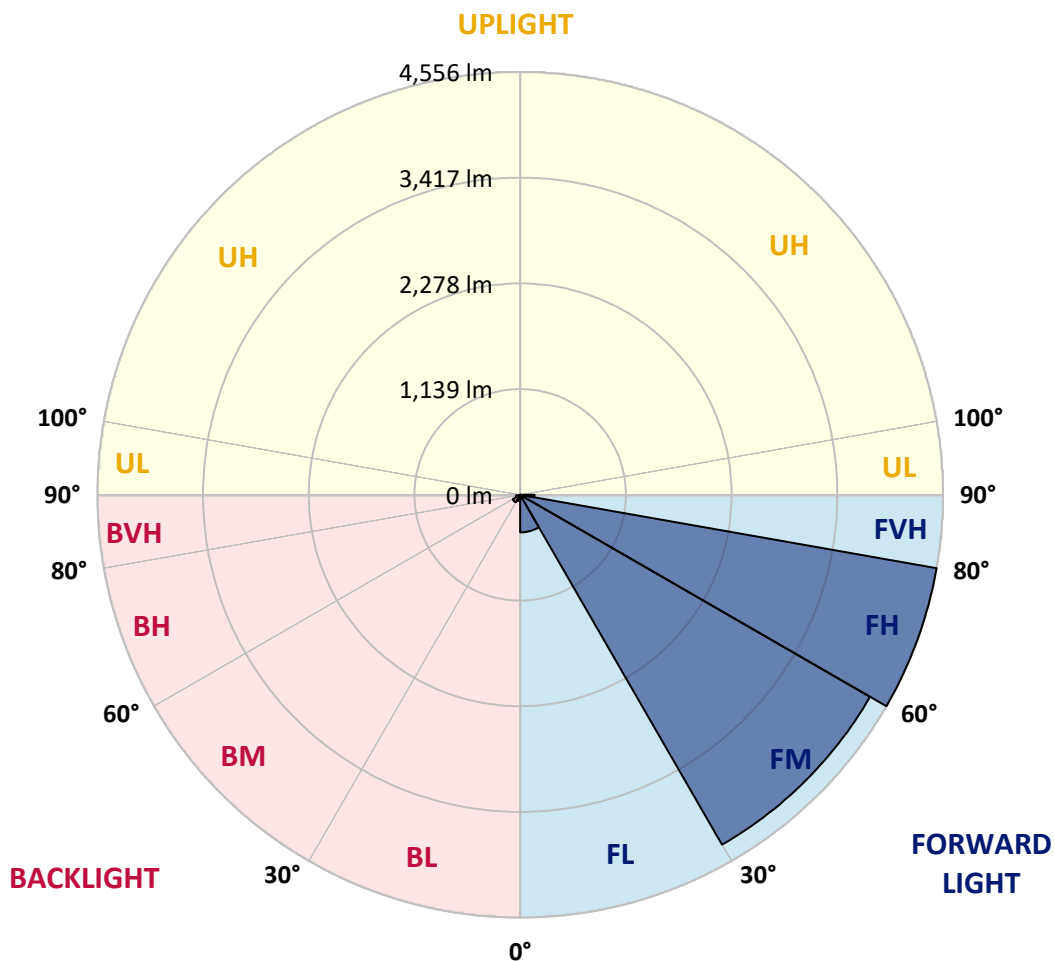
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.2	4.2			
FM	(30°-60°)	4352.1	45.0			
FH	(60°-80°)	4555.5	47.1			G2/5000
FVH	(80°-90°)	155.6	1.6			G2/225
BL	(0°-30°)	66.2	0.7	B0/110		
BM	(30°-60°)	92.1	1.0	B0/220		
BH	(60°-80°)	45.0	0.5	B0/110		G0/110
BVH	(80°-90°)	6.5	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°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1
2.5°	368.4	366.5	359.1	359.1	347.9	340.5	331.2	321.9	321.9	320.0	318.1
5°	487.4	476.3	474.4	454.0	437.2	413.0	390.7	360.9	357.2	353.5	351.6
7.5°	619.5	617.7	600.9	576.7	543.3	498.6	454.0	405.6	398.1	394.4	387.0
10°	790.7	781.4	759.1	718.1	667.9	608.4	535.8	459.5	450.2	442.8	439.1
12.5°	954.4	937.7	924.7	872.6	809.3	721.9	634.4	524.7	517.2	507.9	493.0
15°	1107.0	1092.1	1069.8	1025.1	954.4	844.7	742.3	608.4	589.8	576.7	565.6
17.5°	1226.1	1216.8	1190.7	1140.5	1064.2	967.4	844.7	694.0	679.1	662.3	641.9
20°	1339.5	1326.5	1285.6	1216.8	1134.9	1060.5	965.6	805.6	785.1	764.7	742.3
22.5°	1447.5	1434.4	1367.5	1254.0	1166.5	1134.9	1101.4	932.1	900.5	883.7	861.4
25°	1598.1	1570.2	1466.1	1285.6	1168.4	1192.6	1250.2	1095.8	1066.1	1041.9	1006.5
27.5°	1800.9	1763.7	1600.0	1332.1	1175.8	1255.8	1421.4	1294.9	1263.3	1235.4	1196.3
30°	2029.8	2005.6	1810.2	1443.7	1229.8	1348.8	1613.0	1547.9	1510.7	1477.2	1430.7
32.5°	2260.5	2227.0	2033.5	1655.8	1374.9	1529.3	1853.0	1841.9	1793.5	1761.9	1711.6
35°	2463.3	2446.5	2303.3	2003.7	1706.1	1845.6	2173.0	2186.1	2143.3	2109.8	2054.0
37.5°	2600.9	2600.9	2573.0	2377.7	2232.6	2336.8	2643.7	2645.6	2602.8	2526.5	2498.6
40°	2671.6	2692.1	2792.6	2829.8	2822.3	2956.3	3261.4	3227.9	3192.6	3153.5	3060.5
42.5°	2816.8	2835.4	3049.3	3306.1	3473.5	3650.3	3860.5	3849.3	3806.5	3735.8	3650.3
45°	3062.3	3086.5	3341.4	3748.9	4093.0	4344.2	4478.2	4426.1	4383.3	4316.3	4271.7
47.5°	3374.9	3421.4	3709.8	4214.0	4628.9	5043.8	5183.3	5045.6	5008.4	4956.3	4883.8
50°	3707.9	3752.6	4059.6	4636.3	5105.1	5600.0	5832.6	5600.0	5546.1	5529.3	5447.5
52.5°	3996.3	4033.5	4329.3	4961.9	5469.8	6050.3	6388.9	6081.9	6042.8	5987.0	5927.5
55°	4167.5	4197.2	4474.4	5118.2	5717.2	6455.9	6926.6	6656.8	6599.1	6576.8	6491.2
57.5°	4225.1	4254.9	4504.2	5138.6	5851.2	6826.1	7579.6	7588.9	7520.0	7440.0	7414.0
60°	4225.1	4258.6	4468.9	5088.4	5981.4	7220.5	8450.3	9226.1	9077.3	9062.4	8967.5
62.5°	4050.3	4081.9	4294.0	4934.0	6156.3	7752.6	9663.3	11032.6	10989.8	10893.1	10736.8
65°	3670.7	3689.3	3897.7	4539.6	6089.3	8241.9	10714.5	12234.5	12165.7	11975.9	11775.0
66°	3499.6	3514.4	3709.8	4314.4	5869.8	8308.9	10900.5	12385.2	12271.7	12111.7	11884.7
67.5°	3252.1	3278.2	3415.8	3895.8	5343.3	8076.3	10783.3	12279.1	12180.5	11987.1	11760.1
70°	2171.2	2152.6	2638.2	2989.8	4070.7	6580.5	9674.5	11025.2	11027.0	10935.9	10844.7
72.5°	1030.7	1041.9	1183.3	1840.0	2664.2	4396.3	7700.5	8800.1	8926.6	8762.8	8649.4
75°	740.5	757.2	842.8	1125.6	1588.8	2638.2	4991.7	6154.5	6158.2	5867.9	5609.3
77.5°	215.8	225.1	316.3	694.0	1190.7	1780.5	2867.0	3421.4	3341.4	3133.0	2937.7
80°	89.3	89.3	93.0	221.4	478.1	1209.3	2005.6	2634.4	2625.1	2545.1	2429.8
82.5°	33.5	35.3	44.7	91.2	113.5	297.7	1337.7	2286.5	2280.9	2167.5	2085.6
85°	3.7	3.7	11.2	39.1	42.8	55.8	267.9	1008.4	1002.8	1008.4	883.7
87.5°	0.0	0.0	1.9	3.7	5.6	7.4	11.2	39.1	42.8	40.9	37.2
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):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1
2.5°	318.1	314.4	314.4	312.6	312.6	312.6	310.7	308.8	308.8	307.0	305.1
5°	347.9	344.2	342.3	338.6	336.7	334.9	331.2	329.3	325.6	323.7	321.9
7.5°	383.3	375.8	374.0	368.4	362.8	359.1	355.4	349.8	346.0	338.6	336.7
10°	427.9	418.6	411.2	403.7	398.1	388.8	383.3	375.8	368.4	362.8	357.2
12.5°	485.6	472.6	461.4	454.0	440.9	429.8	418.6	413.0	398.1	390.7	381.4
15°	548.8	534.0	520.9	506.0	496.7	478.1	463.3	446.5	439.1	426.0	411.2
17.5°	630.7	606.5	586.1	571.2	552.6	534.0	517.2	500.5	478.1	463.3	444.7
20°	718.1	697.7	669.8	643.7	621.4	599.1	574.9	552.6	532.1	507.9	485.6
22.5°	829.8	800.0	766.5	740.5	710.7	686.5	653.0	623.3	589.8	558.1	532.1
25°	971.2	932.1	900.5	863.3	827.9	790.7	749.8	712.6	669.8	640.0	595.4
27.5°	1146.1	1108.8	1066.1	1017.7	982.3	926.5	872.6	826.1	775.8	729.3	679.1
30°	1369.3	1315.4	1270.7	1224.2	1153.5	1099.5	1036.3	973.0	904.2	857.7	781.4
32.5°	1637.2	1579.5	1512.6	1445.6	1380.5	1304.2	1226.1	1147.9	1071.6	986.1	907.9
35°	1964.7	1895.8	1819.5	1747.0	1646.5	1564.7	1466.1	1358.1	1272.6	1174.0	1075.4
37.5°	2398.2	2284.7	2217.7	2141.4	2005.6	1894.0	1784.2	1676.3	1525.6	1421.4	1281.9
40°	2941.4	2874.4	2764.7	2641.9	2519.1	2372.1	2223.3	2080.0	1905.1	1760.0	1598.1
42.5°	3579.6	3481.0	3369.3	3192.6	3067.9	2894.9	2725.6	2535.8	2321.9	2135.8	1946.1
45°	4178.6	4061.4	3975.8	3799.1	3668.9	3464.2	3259.6	3058.6	2811.2	2571.2	2351.6
47.5°	4826.1	4729.3	4587.9	4444.7	4312.6	4081.9	3860.5	3616.8	3356.3	3071.6	2787.0
50°	5395.4	5319.1	5222.4	5049.3	4902.4	4708.9	4448.4	4182.4	3853.0	3570.3	3246.5
52.5°	5879.1	5819.6	5683.8	5561.0	5428.9	5246.5	5014.0	4759.1	4403.7	4093.0	3724.7
55°	6450.3	6407.5	6288.4	6212.1	6094.9	5920.0	5702.4	5466.1	5090.3	4751.7	4334.9
57.5°	7386.1	7352.6	7248.4	7216.8	7101.4	6948.9	6681.0	6427.9	5988.9	5568.4	5092.1
60°	8935.9	8868.9	8716.3	8638.2	8394.5	8189.8	7841.9	7494.0	6963.8	6427.9	5854.9
62.5°	10595.4	10407.5	10117.3	9868.0	9521.9	9166.6	8701.4	8169.4	7548.0	6911.7	6253.1
65°	11490.3	11170.3	10803.8	10407.5	9959.1	9436.3	8850.3	8212.1	7544.2	6872.6	6176.8
66°	11592.6	11231.7	10842.9	10401.9	9903.3	9347.0	8751.7	8081.9	7388.0	6733.1	6037.2
67.5°	11464.3	11086.6	10675.4	10186.1	9646.6	9069.8	8444.7	7748.9	7081.0	6416.8	5739.6
70°	10565.6	10189.8	9823.3	9308.0	8733.1	8152.6	7561.0	6783.3	6150.7	5540.5	4937.7
72.5°	8437.3	8182.4	7819.6	7378.6	6818.6	6137.7	5644.7	4948.9	4400.0	3808.4	3341.4
75°	5272.6	4913.5	4465.1	3903.3	3475.4	2922.8	2634.4	2106.1	1793.5	1520.0	1255.8
77.5°	2695.8	2426.1	2111.6	1795.4	1492.1	1190.7	920.9	651.2	439.1	305.1	227.0
80°	2227.0	1988.8	1728.4	1440.0	1172.1	909.8	654.9	446.5	284.7	186.0	145.1
82.5°	1840.0	1639.1	1406.5	1138.6	906.1	714.4	496.7	323.7	200.9	130.2	102.3
85°	783.3	710.7	548.8	435.4	327.4	241.9	169.3	113.5	80.0	65.1	59.5
87.5°	33.5	37.2	35.3	27.9	20.5	20.5	18.6	14.9	14.9	14.9	14.9
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):

	80°	81°	82°	83°	84°	85°	95°	105°	115°	125°	135°
0°	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1	292.1
2.5°	305.1	303.3	301.4	301.4	299.5	297.7	286.5	277.2	266.0	258.6	251.2
5°	318.1	316.3	312.6	310.7	307.0	305.1	280.9	260.5	243.7	230.7	221.4
7.5°	331.2	329.3	323.7	318.1	316.3	312.6	273.5	247.4	225.1	210.2	200.9
10°	347.9	342.3	336.7	329.3	323.7	318.1	266.0	232.6	208.4	195.4	186.0
12.5°	372.1	362.8	353.5	344.2	336.7	327.4	262.3	219.5	195.4	180.5	171.2
15°	400.0	387.0	375.8	364.7	351.6	342.3	254.9	208.4	184.2	169.3	158.1
17.5°	426.0	411.2	394.4	377.7	364.7	351.6	247.4	197.2	173.0	158.1	147.0
20°	463.3	440.9	420.5	400.0	381.4	364.7	236.3	186.0	163.7	147.0	135.8
22.5°	504.2	478.1	452.1	424.2	400.0	377.7	227.0	176.7	154.4	137.7	124.7
25°	556.3	524.7	489.3	454.0	426.0	396.3	217.7	167.4	145.1	128.4	115.3
27.5°	628.8	584.2	545.1	500.5	457.7	424.2	210.2	160.0	135.8	119.1	106.0
30°	727.4	662.3	600.9	552.6	502.3	454.0	202.8	150.7	128.4	109.8	94.9
32.5°	837.2	760.9	690.2	617.7	554.4	498.6	195.4	143.3	119.1	100.5	87.4
35°	973.0	876.3	781.4	697.7	621.4	547.0	187.9	135.8	111.6	91.2	78.1
37.5°	1168.4	1047.4	922.8	814.9	716.3	617.7	182.3	128.4	102.3	81.9	68.8
40°	1436.3	1280.0	1127.4	980.5	852.1	729.3	174.9	120.9	94.9	74.4	61.4
42.5°	1726.5	1536.8	1335.8	1170.2	993.5	839.1	167.4	113.5	87.4	67.0	54.0
45°	2087.5	1851.2	1607.5	1382.3	1166.5	967.4	160.0	106.0	78.1	59.5	46.5
47.5°	2481.9	2180.5	1905.1	1622.3	1365.6	1127.4	150.7	100.5	70.7	52.1	40.9
50°	2887.5	2569.3	2221.4	1899.5	1594.4	1287.4	141.4	91.2	63.3	46.5	33.5
52.5°	3324.7	2948.9	2593.5	2193.5	1838.2	1497.7	132.1	83.7	57.7	40.9	27.9
55°	3881.0	3460.5	3043.7	2595.4	2167.5	1741.4	122.8	74.4	50.2	35.3	22.3
57.5°	4580.5	4081.9	3570.3	3064.2	2545.1	2061.4	115.3	65.1	42.8	29.8	18.6
60°	5241.0	4658.6	4039.1	3456.8	2870.7	2307.0	104.2	57.7	37.2	24.2	18.6
62.5°	5583.3	4919.1	4251.2	3609.3	2984.2	2394.4	93.0	48.4	31.6	20.5	16.7
65°	5499.6	4822.4	4174.9	3527.5	2915.4	2338.6	81.9	42.8	27.9	18.6	16.7
66°	5378.6	4708.9	4057.7	3441.9	2857.7	2279.1	76.3	40.9	26.0	18.6	14.9
67.5°	5114.4	4467.0	3845.6	3272.6	2699.6	2165.6	68.8	37.2	24.2	16.7	14.9
70°	4368.4	3780.5	3283.7	2774.0	2307.0	1825.1	55.8	31.6	20.5	14.9	14.9
72.5°	2891.2	2491.2	2160.0	1858.6	1553.5	1205.6	46.5	26.0	16.7	14.9	13.0
75°	1090.2	986.1	846.5	760.9	664.2	582.3	37.2	16.7	13.0	13.0	13.0
77.5°	193.5	178.6	158.1	145.1	134.0	122.8	29.8	11.2	11.2	13.0	13.0
80°	130.2	120.9	109.8	100.5	93.0	83.7	20.5	9.3	11.2	11.2	13.0
82.5°	93.0	87.4	81.9	74.4	68.8	61.4	13.0	9.3	11.2	11.2	11.2
85°	55.8	52.1	48.4	44.7	39.1	37.2	9.3	9.3	9.3	11.2	11.2
87.5°	14.9	13.0	14.9	14.9	11.2	13.0	7.4	7.4	7.4	9.3	9.3
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):

	145°	155°	165°	175°	180°
0°	292.1	292.1	292.1	292.1	292.1
2.5°	247.4	247.4	243.7	249.3	249.3
5°	214.0	214.0	212.1	214.0	214.0
7.5°	195.4	193.5	193.5	193.5	195.4
10°	178.6	176.7	176.7	176.7	176.7
12.5°	163.7	161.9	160.0	161.9	161.9
15°	150.7	147.0	147.0	147.0	147.0
17.5°	139.5	135.8	134.0	134.0	134.0
20°	128.4	122.8	122.8	122.8	122.8
22.5°	117.2	111.6	111.6	111.6	111.6
25°	106.0	100.5	100.5	100.5	100.5
27.5°	96.7	91.2	91.2	91.2	91.2
30°	85.6	81.9	81.9	83.7	81.9
32.5°	78.1	72.6	72.6	74.4	74.4
35°	68.8	65.1	65.1	65.1	65.1
37.5°	59.5	55.8	55.8	55.8	55.8
40°	52.1	48.4	46.5	48.4	48.4
42.5°	44.7	40.9	39.1	39.1	39.1
45°	39.1	33.5	31.6	33.5	33.5
47.5°	31.6	27.9	27.9	29.8	29.8
50°	24.2	24.2	26.0	29.8	29.8
52.5°	22.3	22.3	26.0	29.8	29.8
55°	20.5	22.3	26.0	27.9	29.8
57.5°	18.6	22.3	26.0	27.9	27.9
60°	18.6	20.5	24.2	27.9	27.9
62.5°	16.7	18.6	22.3	26.0	26.0
65°	16.7	18.6	22.3	26.0	26.0
66°	16.7	18.6	22.3	26.0	26.0
67.5°	16.7	18.6	22.3	26.0	26.0
70°	16.7	18.6	22.3	24.2	24.2
72.5°	14.9	16.7	20.5	24.2	24.2
75°	14.9	16.7	20.5	24.2	24.2
77.5°	14.9	16.7	20.5	24.2	24.2
80°	14.9	16.7	20.5	22.3	24.2
82.5°	13.0	16.7	18.6	22.3	22.3
85°	13.0	14.9	18.6	20.5	22.3
87.5°	11.2	13.0	14.9	18.6	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)