

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: P180408

Luminaire Tested: **ICM-E06-LED-E1-SL2-HSS**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180408
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33726)
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-SL2-HSS
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 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: 10234 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type II - 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

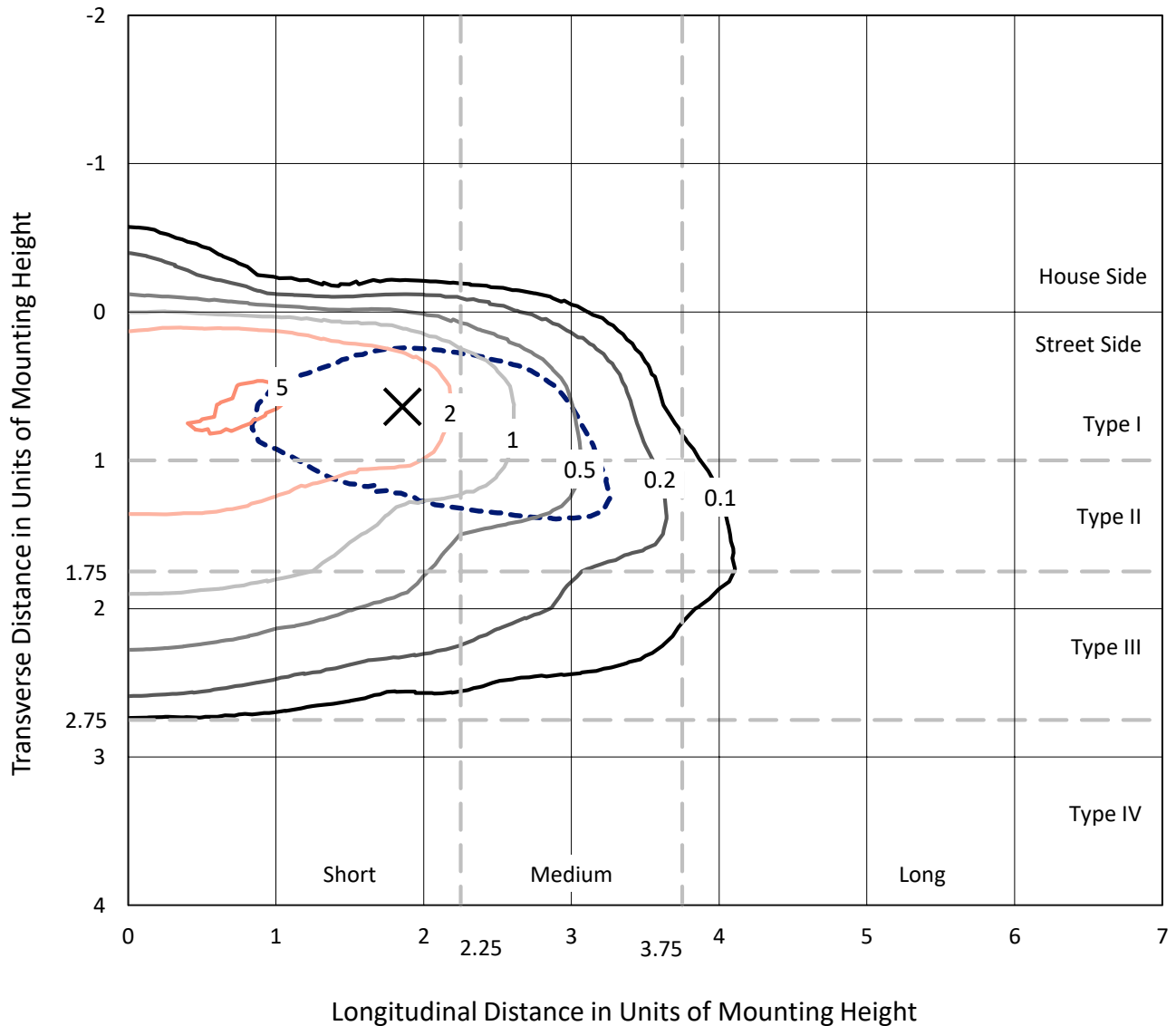


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

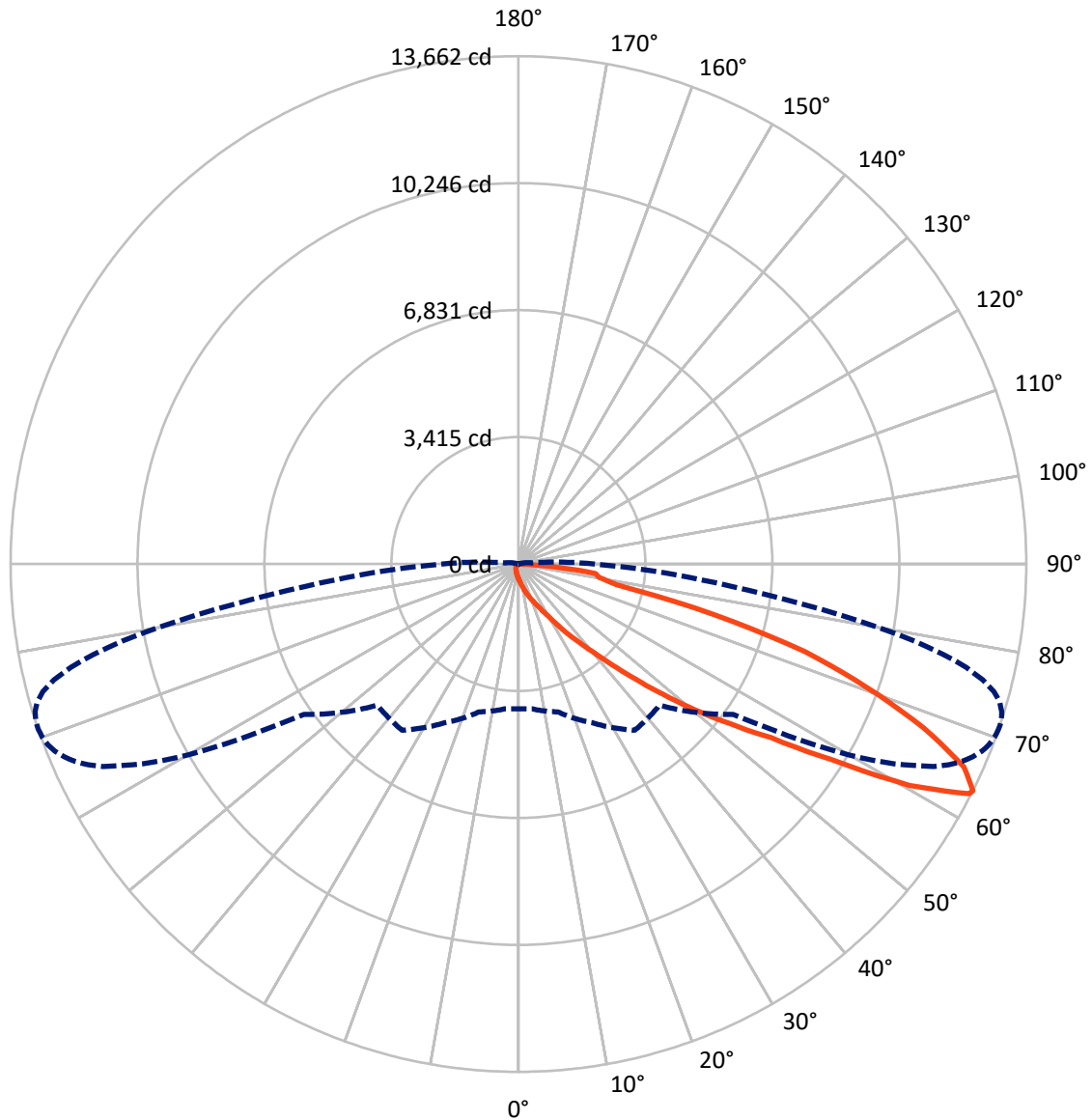


Based on 20 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	217.3	0.0	217.3
	% Fixture	2.1	0.0	2.1
Street Side	Lumens	10016.7	0.0	10016.7
	% Fixture	97.9	0.0	97.9
Total	Lumens	10234.0	0.0	10234.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	0.4
10°-20°	168.3	1.6
20°-30°	341.8	3.3
30°-40°	835.1	8.2
40°-50°	1867.5	18.2
50°-60°	2625.9	25.7
60°-70°	3087.9	30.2
70°-80°	1115.0	10.9
80°-90°	149.1	1.5
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°	10234.0	100.0
0°-180°	10234.0	100.0



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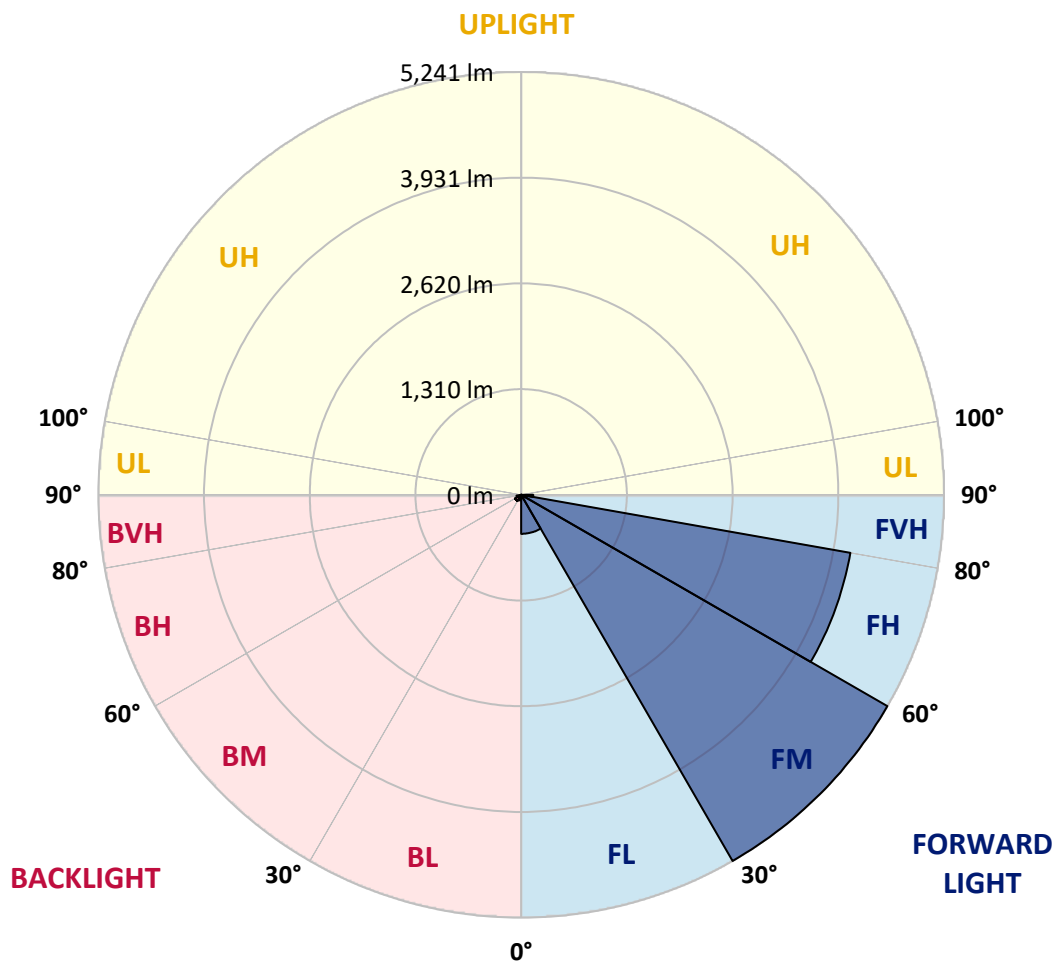
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	483.6	4.7			
FM (30°-60°)	5241.0	51.2			
FH (60°-80°)	4143.3	40.5			G2/5000
FVH (80°-90°)	148.8	1.5			G2/225
BL (0°-30°)	69.9	0.7	B0/110		
BM (30°-60°)	87.5	0.9	B0/220		
BH (60°-80°)	59.6	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	513.5	519.1	515.4	506.0	494.9	480.0	467.0	467.0	465.1	459.5	461.4
5°	673.5	675.4	667.9	645.6	625.1	593.5	558.1	554.4	550.7	545.1	543.3
7.5°	829.8	837.2	829.8	805.6	764.7	716.3	660.5	654.9	643.7	643.7	636.3
10°	989.8	989.8	982.3	954.4	917.2	848.4	777.7	768.4	755.4	751.6	740.5
12.5°	1103.3	1103.3	1099.5	1084.7	1054.9	993.5	907.9	898.6	881.9	876.3	863.3
15°	1147.9	1147.9	1149.8	1162.8	1164.7	1136.8	1047.4	1040.0	1023.3	1008.4	1002.8
17.5°	1175.8	1174.0	1174.0	1192.6	1226.1	1244.7	1187.0	1179.5	1160.9	1153.5	1134.9
20°	1237.2	1233.5	1222.3	1222.3	1254.0	1319.1	1319.1	1317.2	1296.8	1291.2	1281.9
22.5°	1328.4	1324.7	1291.2	1263.3	1278.1	1360.0	1436.3	1432.6	1425.1	1417.7	1412.1
25°	1477.2	1464.2	1406.5	1324.7	1311.6	1399.1	1525.6	1534.9	1540.5	1540.5	1544.2
27.5°	1702.3	1685.6	1583.3	1430.7	1373.0	1462.3	1624.2	1642.8	1659.5	1663.3	1680.0
30°	2014.9	1985.1	1838.2	1614.9	1482.8	1555.4	1769.3	1789.8	1814.0	1821.4	1847.5
32.5°	2528.4	2511.6	2370.2	2035.4	1752.6	1737.7	1972.1	1998.2	2029.8	2042.8	2074.4
35°	3309.8	3313.5	3198.2	2896.8	2506.1	2301.4	2334.9	2357.2	2368.4	2407.5	2424.2
37.5°	3840.0	3849.3	3875.4	3756.3	3477.2	3268.9	3006.5	3030.7	2973.0	2978.6	2980.5
40°	4130.3	4160.0	4312.6	4427.9	4405.6	4284.7	4074.4	4087.5	3979.6	3955.4	3838.2
42.5°	4323.7	4362.8	4606.5	4963.8	5146.1	5255.8	5207.5	5201.9	5118.2	5086.5	4987.9
45°	4444.7	4480.0	4787.0	5313.5	5734.0	6054.0	6186.1	6201.0	6130.3	6098.6	6016.8
47.5°	4439.1	4480.0	4809.3	5443.8	6063.3	6574.9	6947.0	6965.6	7008.4	6980.5	6986.1
50°	4193.5	4232.6	4563.7	5222.4	5966.5	6813.1	7494.0	7553.5	7622.4	7668.9	7691.2
52.5°	3895.8	3923.7	4217.7	4842.8	5553.5	6714.5	7817.7	7920.0	8022.4	8109.8	8171.2
55°	3786.1	3817.7	4048.4	4567.5	5222.4	6301.4	7968.4	8119.1	8264.2	8407.5	8524.7
57.5°	3843.7	3873.5	4039.1	4437.2	5025.1	5866.1	8011.2	8245.6	8483.8	8716.3	8947.0
60°	4055.8	4087.5	4228.9	4558.2	4973.1	5614.9	7843.8	8232.6	8628.9	9034.5	9415.9
62.5°	3972.1	3985.1	4193.5	4770.3	5345.1	5401.0	7235.4	7778.7	8383.3	9008.4	9624.2
63°	3892.1	3907.0	4119.1	4712.6	5458.6	5369.3	7047.5	7620.5	8258.7	8932.1	9601.9
65°	3529.3	3531.2	3693.0	4161.9	5332.1	5425.1	6210.3	6757.3	7490.3	8297.7	9144.2
67.5°	2634.4	2621.4	2777.7	3134.9	4186.1	5427.0	5330.3	5637.2	6147.0	6863.3	7622.4
70°	934.0	913.5	1166.5	1661.4	2608.4	4439.1	4580.5	4601.0	4742.4	5129.3	5605.6
72.5°	303.3	308.8	372.1	608.4	1201.9	2987.9	4147.0	4083.7	4046.5	4044.7	4107.9
75°	120.9	122.8	148.8	269.8	539.5	1440.0	3631.7	3667.0	3680.0	3698.6	3719.1
77.5°	57.7	63.3	83.7	150.7	267.9	712.6	2599.1	2898.6	3069.8	3201.9	3281.9
80°	20.5	24.2	46.5	93.0	124.7	327.4	1369.3	1652.1	1903.3	2227.0	2506.1
82.5°	0.0	0.0	9.3	65.1	68.8	132.1	561.9	658.6	753.5	976.8	1254.0
85°	0.0	0.0	0.0	18.6	20.5	22.3	189.8	228.8	256.7	299.5	346.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.6	11.2	27.9	42.8
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	457.7	455.8	455.8	452.1	450.2	446.5	444.7	439.1	437.2	437.2	437.2
5°	541.4	534.0	530.2	520.9	515.4	513.5	504.2	500.5	494.9	496.7	487.4
7.5°	634.4	621.4	615.8	602.8	599.1	586.1	582.3	573.0	567.4	556.3	552.6
10°	736.7	720.0	710.7	690.2	684.7	675.4	664.2	653.0	643.7	632.6	627.0
12.5°	854.0	839.1	831.6	803.7	790.7	777.7	762.8	747.9	733.0	723.7	710.7
15°	991.6	967.4	960.0	934.0	911.6	894.9	874.4	855.8	844.7	826.1	813.0
17.5°	1127.4	1103.3	1097.7	1058.6	1034.4	1023.3	1000.9	976.8	956.3	937.7	917.2
20°	1263.3	1246.5	1231.6	1194.4	1168.4	1149.8	1120.0	1095.8	1079.1	1053.0	1027.0
22.5°	1399.1	1382.3	1371.2	1332.1	1307.9	1281.9	1255.8	1229.8	1205.6	1174.0	1144.2
25°	1538.6	1527.5	1521.9	1486.5	1464.2	1440.0	1414.0	1384.2	1354.4	1319.1	1287.4
27.5°	1683.7	1687.5	1676.3	1668.8	1644.7	1627.9	1587.0	1566.5	1544.2	1501.4	1462.3
30°	1867.9	1879.1	1875.4	1880.9	1866.1	1854.9	1823.3	1797.2	1771.2	1730.2	1685.6
32.5°	2100.5	2115.4	2122.8	2143.3	2135.8	2132.1	2122.8	2085.6	2067.0	1996.3	1977.7
35°	2459.5	2452.1	2483.7	2500.5	2493.0	2489.3	2478.2	2457.7	2435.4	2385.1	2338.6
37.5°	2926.5	2934.0	2945.1	2911.6	2889.3	2887.5	2854.0	2833.5	2801.9	2746.1	2690.2
40°	3782.3	3735.8	3683.7	3542.3	3481.0	3445.6	3347.0	3319.1	3265.1	3188.9	3131.2
42.5°	4894.9	4848.4	4692.1	4455.8	4329.3	4154.4	4074.4	3975.8	3899.6	3774.9	3707.9
45°	6000.0	5866.1	5847.5	5572.1	5415.8	5185.1	5041.9	4876.3	4703.3	4539.6	4420.5
47.5°	6932.1	6902.4	6811.2	6643.8	6498.6	6305.2	6121.0	5866.1	5687.5	5454.9	5241.0
50°	7678.2	7676.3	7642.8	7546.1	7425.2	7268.9	7107.0	6891.2	6688.4	6403.8	6174.9
52.5°	8236.3	8266.1	8277.3	8247.5	8201.0	8063.3	7981.4	7801.0	7629.8	7388.0	7140.5
55°	8645.6	8755.4	8811.2	8874.5	8861.4	8813.1	8809.4	8692.1	8614.0	8422.4	8247.5
57.5°	9151.7	9332.2	9505.2	9812.2	9823.3	9931.2	9987.0	10042.9	10057.7	9981.5	9923.8
60°	9795.4	10163.8	10491.2	11133.1	11300.5	11564.7	11735.9	11921.9	12080.1	12093.1	12089.4
62.5°	10249.4	10816.8	11345.2	12297.7	12623.3	12928.5	13157.3	13337.8	13447.5	13559.2	13611.2
63°	10262.4	10883.8	11445.7	12428.0	12770.3	13060.5	13278.2	13445.7	13561.0	13628.0	13661.5
65°	9948.0	10701.5	11371.2	12349.8	12671.7	12963.8	13077.3	13187.1	13242.9	13268.9	13170.3
67.5°	8431.7	9168.4	9949.8	11043.8	11319.1	11668.9	11761.9	11817.7	11843.8	11838.2	11754.5
70°	6305.2	6922.8	7791.7	9041.9	9406.6	9748.9	9961.0	10052.2	10081.9	10072.6	9948.0
72.5°	4401.9	4764.7	5481.0	6872.6	7369.3	7808.4	8070.7	8206.6	8234.5	8178.7	8063.3
75°	3696.8	3715.4	3877.2	4638.2	5103.3	5572.1	5867.9	5953.5	5897.7	5728.4	5434.5
77.5°	3300.5	3341.4	3341.4	3454.9	3546.1	3676.3	3704.2	3495.8	3254.0	2941.4	2688.4
80°	2768.4	2911.6	3012.1	3095.8	3105.1	3079.1	3010.3	2893.0	2707.0	2468.9	2204.7
82.5°	1681.9	1964.7	2080.0	2511.6	2723.7	2867.0	2855.8	2699.6	2558.2	2310.7	2085.6
85°	424.2	457.7	496.7	645.6	723.7	883.7	984.2	1030.7	1047.4	961.9	870.7
87.5°	40.9	27.9	46.5	35.3	50.2	37.2	50.2	46.5	57.7	61.4	67.0
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	433.5	431.6	429.8	427.9	426.0	424.2	420.5	420.5	416.7	414.9	413.0
5°	481.9	478.1	476.3	472.6	467.0	463.3	457.7	450.2	444.7	442.8	439.1
7.5°	543.3	534.0	530.2	524.7	517.2	506.0	498.6	493.0	483.7	478.1	467.0
10°	612.1	602.8	591.6	580.5	569.3	556.3	547.0	539.5	524.7	517.2	504.2
12.5°	699.5	682.8	669.8	654.9	640.0	625.1	614.0	591.6	578.6	561.9	550.7
15°	788.8	774.0	759.1	740.5	718.1	694.0	682.8	662.3	645.6	619.5	604.7
17.5°	896.7	868.8	846.5	824.2	803.7	781.4	759.1	727.4	703.3	680.9	651.2
20°	1002.8	969.3	945.1	915.4	885.6	850.2	824.2	801.9	768.4	738.6	707.0
22.5°	1116.3	1082.8	1043.7	1014.0	973.0	945.1	909.8	872.6	839.1	800.0	760.9
25°	1254.0	1218.6	1174.0	1134.9	1088.4	1049.3	1006.5	963.7	922.8	878.1	827.9
27.5°	1423.3	1386.1	1337.7	1291.2	1229.8	1181.4	1140.5	1082.8	1030.7	974.9	917.2
30°	1637.2	1596.3	1536.8	1469.8	1408.4	1354.4	1296.8	1220.5	1162.8	1095.8	1021.4
32.5°	1916.3	1867.9	1787.9	1724.7	1648.4	1577.7	1497.7	1421.4	1339.5	1252.1	1166.5
35°	2267.9	2223.3	2130.2	2037.2	1953.5	1869.8	1769.3	1681.9	1566.5	1460.5	1350.7
37.5°	2632.6	2552.6	2467.0	2366.5	2262.3	2161.9	2039.1	1918.2	1786.1	1670.7	1533.0
40°	3049.3	2952.6	2881.9	2774.0	2627.0	2483.7	2370.2	2219.5	2054.0	1899.5	1737.7
42.5°	3620.5	3512.6	3386.1	3222.3	3116.3	2948.9	2801.9	2623.3	2405.6	2232.6	2037.2
45°	4281.0	4134.0	4011.2	3853.0	3724.7	3516.3	3345.1	3107.0	2889.3	2662.3	2424.2
47.5°	5034.4	4852.1	4673.5	4517.2	4312.6	4107.9	3890.3	3637.2	3358.2	3108.9	2826.1
50°	5899.6	5641.0	5393.5	5192.6	4911.7	4675.4	4439.1	4154.4	3845.6	3559.1	3237.2
52.5°	6861.4	6561.9	6234.5	5925.6	5600.0	5296.8	5012.1	4684.7	4340.5	3990.7	3631.7
55°	8022.4	7797.3	7412.1	7019.6	6584.2	6178.6	5812.1	5406.5	4987.9	4528.4	4150.7
57.5°	9840.1	9730.3	9408.4	9015.9	8448.4	7955.4	7334.0	6837.3	6230.7	5598.2	5110.7
60°	12303.3	12167.5	11987.1	11668.9	11218.7	10548.9	9864.2	9092.1	8169.4	7293.1	6461.4
62.5°	13616.8	13568.5	13421.5	13201.9	12781.5	12253.1	11562.9	10714.5	9672.6	8608.4	7548.0
63°	13655.9	13594.5	13468.0	13244.7	12874.5	12362.9	11685.7	10861.5	9841.9	8757.3	7674.5
65°	13127.5	13103.3	12975.0	12731.2	12478.2	12087.5	11562.9	10854.0	9998.2	8973.1	7895.9
67.5°	11642.9	11570.3	11373.1	11298.7	11121.9	10850.3	10450.3	9962.9	9350.8	8545.2	7614.9
70°	9847.5	9739.6	9492.2	9360.1	9144.2	8973.1	8729.4	8381.4	8003.8	7441.9	6747.9
72.5°	7944.2	7721.0	7494.0	7149.8	6848.4	6543.3	6273.5	6027.9	5613.1	5386.1	4859.6
75°	5159.1	4753.5	4364.7	3843.7	3374.9	2960.0	2556.3	2351.6	1925.6	1752.6	1505.1
77.5°	2448.4	2221.4	1916.3	1680.0	1378.6	1125.6	919.1	690.2	541.4	424.2	323.7
80°	1975.8	1784.2	1600.0	1386.1	1159.1	924.7	708.8	530.2	375.8	260.5	184.2
82.5°	1761.9	1553.5	1326.5	1179.5	1025.1	839.1	688.4	561.9	414.9	303.3	206.5
85°	684.7	576.7	444.7	362.8	282.8	232.6	210.2	145.1	113.5	89.3	68.8
87.5°	59.5	48.4	39.1	26.0	27.9	14.9	16.7	11.2	9.3	9.3	7.4
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	411.2	409.3	407.4	403.7	403.7	400.0	398.1	396.3	387.0	366.5	349.8
5°	431.6	427.9	424.2	418.6	414.9	409.3	405.6	400.0	379.5	340.5	307.0
7.5°	461.4	454.0	448.4	437.2	431.6	424.2	418.6	409.3	375.8	316.3	269.8
10°	496.7	483.7	474.4	461.4	450.2	440.9	431.6	418.6	372.1	290.2	236.3
12.5°	539.5	524.7	506.0	491.2	476.3	463.3	450.2	433.5	366.5	267.9	210.2
15°	582.3	560.0	547.0	526.5	506.0	487.4	468.8	454.0	368.4	243.7	187.9
17.5°	630.7	608.4	580.5	558.1	535.8	511.6	489.3	459.5	359.1	225.1	171.2
20°	677.2	645.6	619.5	591.6	560.0	530.2	502.3	476.3	351.6	206.5	156.3
22.5°	727.4	690.2	656.7	621.4	582.3	548.8	515.4	481.9	338.6	189.8	143.3
25°	788.8	746.1	697.7	654.9	614.0	573.0	530.2	489.3	325.6	174.9	134.0
27.5°	863.3	807.4	759.1	705.1	647.4	595.4	548.8	504.2	312.6	163.7	124.7
30°	958.1	893.0	824.2	755.4	694.0	634.4	569.3	513.5	299.5	152.6	115.3
32.5°	1084.7	1002.8	919.1	839.1	757.2	680.9	612.1	539.5	292.1	143.3	106.0
35°	1252.1	1146.1	1043.7	943.3	844.7	751.6	662.3	580.5	292.1	132.1	94.9
37.5°	1410.2	1287.4	1157.2	1032.6	915.4	807.4	701.4	602.8	277.2	122.8	85.6
40°	1581.4	1434.4	1281.9	1134.9	993.5	859.5	738.6	625.1	264.2	111.6	76.3
42.5°	1843.7	1657.7	1458.6	1287.4	1118.1	952.6	801.9	667.9	247.4	100.5	67.0
45°	2187.9	1951.6	1717.2	1508.8	1293.0	1090.2	911.6	746.1	243.7	91.2	57.7
47.5°	2556.3	2277.2	2001.9	1735.8	1482.8	1246.5	1032.6	833.5	243.7	81.9	50.2
50°	2922.8	2573.0	2279.1	1970.2	1685.6	1406.5	1151.6	924.7	245.6	74.4	40.9
52.5°	3254.0	2880.0	2550.7	2193.5	1879.1	1555.4	1278.1	1014.0	241.9	65.1	33.5
55°	3713.5	3274.4	2893.0	2498.6	2130.2	1765.6	1451.2	1147.9	243.7	57.7	27.9
57.5°	4560.0	4044.7	3585.1	3067.9	2643.7	2173.0	1791.6	1423.3	266.0	48.4	20.5
60°	5774.9	5105.1	4459.6	3828.9	3289.3	2729.3	2234.4	1800.9	312.6	39.1	14.9
62.5°	6591.7	5715.4	4945.1	4249.3	3622.3	3036.3	2496.8	2003.7	344.2	31.6	9.3
63°	6675.4	5769.3	4995.4	4277.2	3637.2	3051.2	2507.9	2018.6	346.0	29.8	9.3
65°	6833.5	5862.4	5023.3	4282.8	3622.3	3030.7	2500.5	2016.8	349.8	24.2	7.4
67.5°	6653.1	5719.1	4861.4	4122.8	3492.1	2909.8	2407.5	1942.3	347.9	16.7	5.6
70°	5949.8	5175.8	4422.4	3734.0	3160.9	2634.4	2191.6	1771.2	320.0	11.2	3.7
72.5°	4368.4	3841.9	3257.7	2760.9	2381.4	1977.7	1687.5	1330.2	247.4	7.4	1.9
75°	1294.9	1179.5	991.6	874.4	772.1	638.1	567.4	442.8	126.5	3.7	0.0
77.5°	258.6	234.4	210.2	191.6	180.5	154.4	147.0	120.9	52.1	1.9	0.0
80°	135.8	111.6	94.9	83.7	72.6	59.5	50.2	40.9	9.3	0.0	0.0
82.5°	130.2	87.4	63.3	52.1	44.7	35.3	27.9	20.5	5.6	0.0	0.0
85°	48.4	37.2	27.9	22.3	18.6	16.7	13.0	11.2	0.0	0.0	0.0
87.5°	7.4	5.6	5.6	3.7	3.7	1.9	1.9	1.9	0.0	0.0	0.0
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):

	125°	135°	145°	155°	165°	175°	180°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	333.0	318.1	310.7	301.4	301.4	299.5	303.3
5°	277.2	256.7	241.9	230.7	232.6	227.0	228.8
7.5°	234.4	214.0	200.9	193.5	191.6	189.8	189.8
10°	202.8	184.2	173.0	167.4	165.6	165.6	165.6
12.5°	180.5	161.9	152.6	148.8	148.8	147.0	147.0
15°	161.9	147.0	137.7	134.0	134.0	132.1	134.0
17.5°	147.0	132.1	124.7	120.9	120.9	119.1	119.1
20°	134.0	120.9	113.5	107.9	107.9	106.0	107.9
22.5°	122.8	109.8	100.5	96.7	94.9	93.0	94.9
25°	111.6	98.6	89.3	83.7	81.9	81.9	80.0
27.5°	102.3	89.3	78.1	72.6	70.7	70.7	68.8
30°	93.0	78.1	67.0	61.4	59.5	59.5	59.5
32.5°	83.7	67.0	57.7	52.1	50.2	50.2	50.2
35°	74.4	57.7	48.4	42.8	40.9	40.9	40.9
37.5°	63.3	48.4	37.2	33.5	31.6	29.8	29.8
40°	54.0	37.2	27.9	24.2	20.5	20.5	20.5
42.5°	44.7	29.8	20.5	14.9	13.0	11.2	13.0
45°	37.2	22.3	13.0	7.4	5.6	5.6	5.6
47.5°	29.8	14.9	5.6	1.9	1.9	1.9	1.9
50°	22.3	9.3	1.9	0.0	0.0	1.9	1.9
52.5°	16.7	5.6	0.0	0.0	0.0	0.0	0.0
55°	9.3	1.9	0.0	0.0	0.0	0.0	0.0
57.5°	5.6	0.0	0.0	0.0	0.0	0.0	0.0
60°	3.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
63°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.9	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)