

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: P181437

Luminaire Tested: **ICM-E03-LED-E1-T3-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P181437
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E03-LED-E1-T3-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7263.7 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): 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

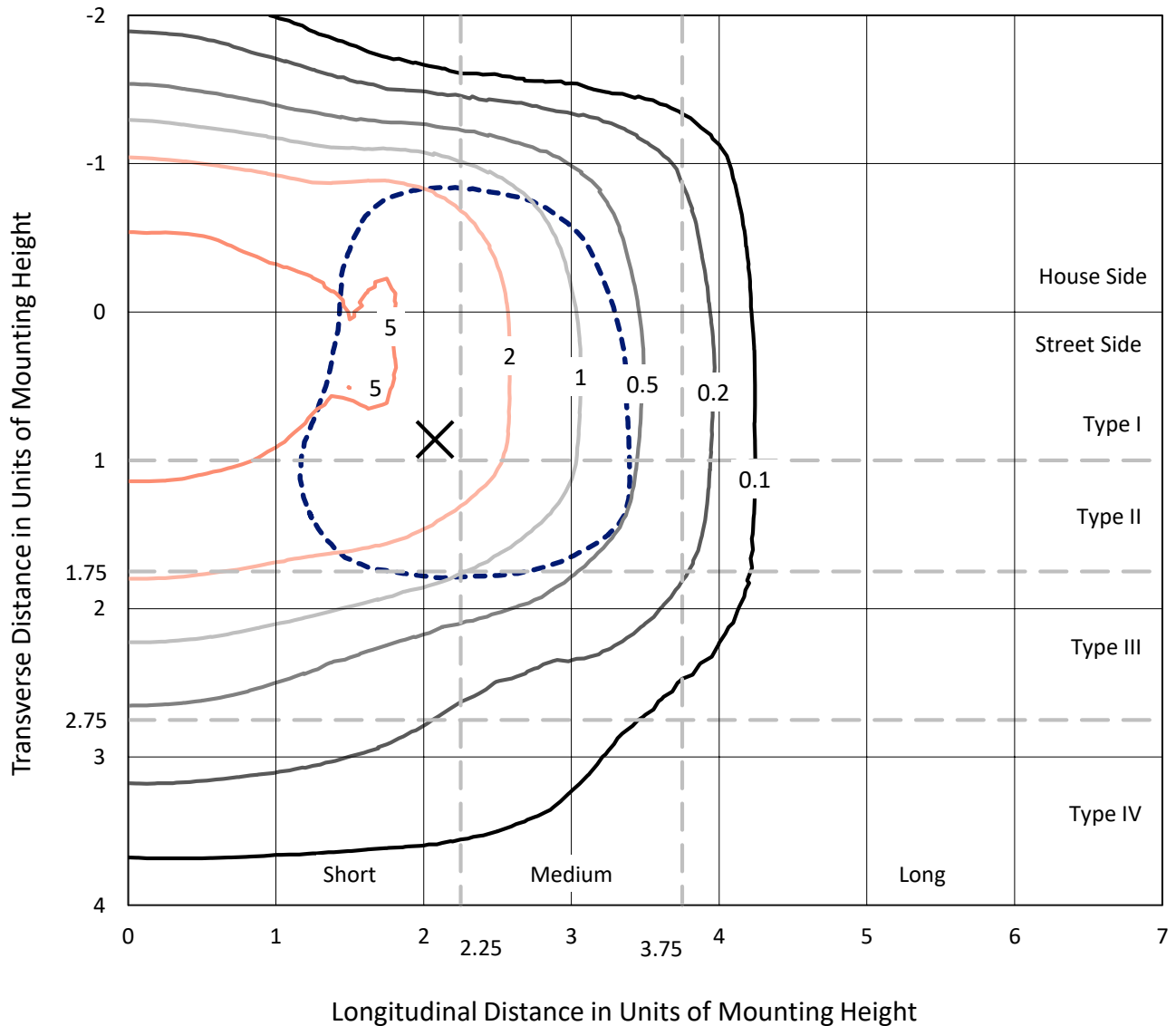


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Iso-Footcandle Lines of Horizontal Illumination

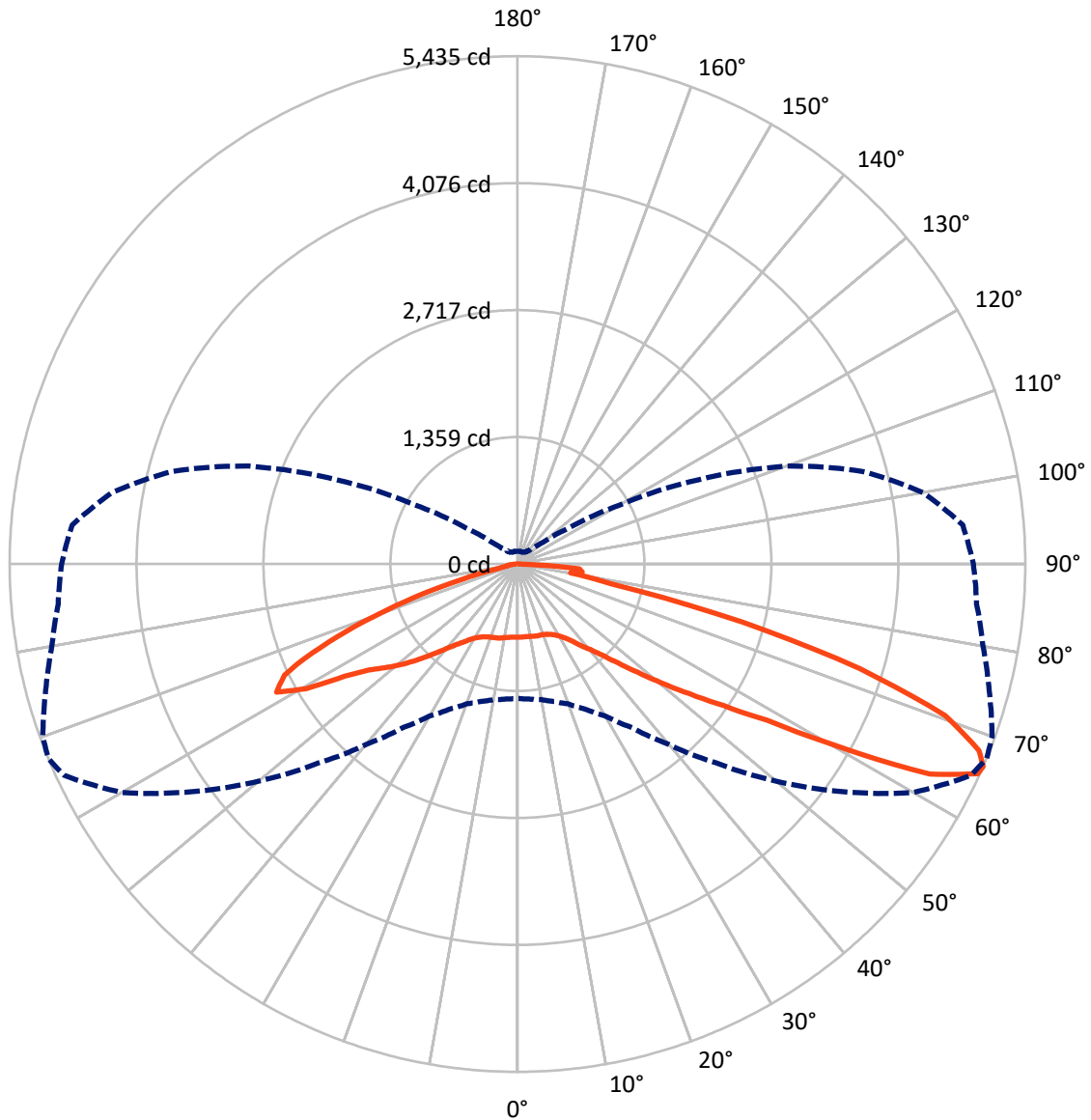
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2508.4	0.0	2508.4
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	4755.3	0.0	4755.3
	% Fixture	65.5	0.0	65.5
Total	Lumens	7263.7	0.0	7263.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.0
10°-20°	221.3	3.0
20°-30°	380.3	5.2
30°-40°	617.5	8.5
40°-50°	1030.8	14.2
50°-60°	1623.2	22.3
60°-70°	2213.4	30.5
70°-80°	958.2	13.2
80°-90°	144.1	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°	7263.7	100.0
0°-180°	7263.7	100.0



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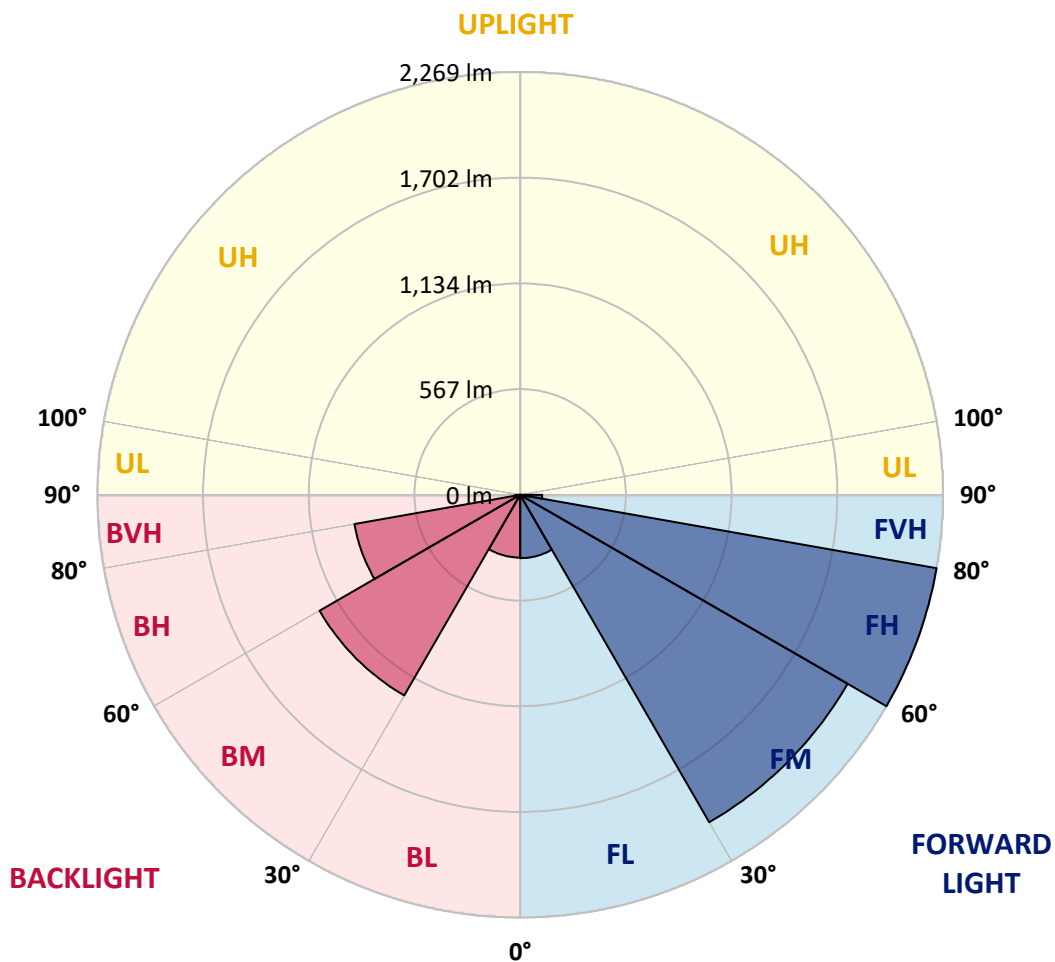
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	339.8	4.7			
FM	(30°-60°)	2028.5	27.9			
FH	(60°-80°)	2268.7	31.2			G2/5000
FVH	(80°-90°)	118.3	1.6			G2/225
BL	(0°-30°)	336.7	4.6	B1/500		
BM	(30°-60°)	1243.0	17.1	B2/2500		
BH	(60°-80°)	902.9	12.4	B2/1000		G2/1000
BVH	(80°-90°)	25.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	785.9	789.0	785.9	786.7	787.4	786.7	785.9	785.9	783.5	785.1	786.7
5°	782.8	785.1	784.3	785.1	785.9	785.1	784.3	785.1	783.5	784.3	786.7
7.5°	778.8	778.1	778.8	780.4	782.0	782.0	782.0	782.8	782.0	782.0	784.3
10°	767.1	767.8	769.4	771.7	772.6	774.9	774.9	777.3	778.1	779.6	782.8
12.5°	752.1	752.9	754.5	756.1	760.0	763.9	763.9	769.4	771.7	775.7	781.2
15°	741.1	742.0	743.5	745.0	748.2	752.1	754.5	760.7	764.7	771.7	779.6
17.5°	747.4	746.6	748.2	749.0	749.0	752.1	752.1	756.8	761.6	767.8	778.1
20°	765.5	765.5	767.1	767.1	766.2	767.8	764.7	764.7	765.5	768.7	775.7
22.5°	783.5	782.8	785.9	787.4	788.3	790.6	787.4	786.7	782.8	780.4	782.8
25°	800.8	800.0	803.9	806.3	810.2	812.6	812.6	812.6	809.5	805.5	803.2
27.5°	827.5	827.5	831.4	833.8	836.9	841.7	844.0	844.0	844.7	839.3	835.4
30°	872.3	873.0	873.9	876.9	880.1	881.7	884.8	887.2	889.5	886.4	880.1
32.5°	925.7	920.9	920.9	925.7	929.6	934.2	935.8	939.0	943.7	941.3	940.6
35°	989.2	987.6	986.1	987.6	992.4	997.9	1004.2	1009.7	1006.5	1011.3	1008.8
37.5°	1083.4	1085.0	1085.8	1085.8	1085.0	1086.6	1089.8	1095.3	1093.7	1095.3	1098.3
40°	1238.9	1233.4	1227.9	1228.7	1220.8	1222.4	1209.9	1215.4	1216.1	1210.6	1213.0
42.5°	1394.3	1397.5	1399.8	1406.1	1400.7	1397.5	1385.7	1385.7	1379.5	1374.0	1372.4
45°	1562.3	1568.7	1569.4	1582.0	1577.3	1587.5	1596.1	1593.8	1583.5	1582.8	1571.8
47.5°	1696.7	1706.8	1717.9	1732.8	1744.5	1767.3	1794.0	1807.4	1815.2	1821.5	1808.9
50°	1797.1	1801.9	1830.1	1853.7	1879.5	1917.2	1954.2	2002.1	2040.5	2058.5	2075.8
52.5°	1851.3	1863.1	1893.7	1930.6	1976.1	2032.7	2092.3	2168.5	2234.4	2278.4	2317.7
55°	1863.1	1874.9	1909.4	1956.5	2018.5	2094.7	2180.3	2283.9	2382.8	2467.6	2550.1
57.5°	1830.1	1843.5	1880.4	1934.5	2007.5	2100.2	2207.7	2343.5	2480.2	2617.6	2739.3
60°	1769.7	1786.2	1819.9	1873.3	1954.2	2058.5	2187.4	2357.7	2549.2	2759.6	2992.9
62.5°	1670.0	1687.2	1718.6	1777.5	1860.8	1976.1	2125.3	2337.3	2608.1	2939.5	3353.2
65°	1509.8	1517.6	1556.1	1615.7	1689.6	1816.8	1980.8	2236.8	2589.3	3050.2	3620.1
66°	1437.5	1450.9	1474.4	1522.3	1593.0	1712.3	1877.2	2137.0	2517.9	3011.6	3613.0
67.5°	1324.5	1334.7	1350.4	1382.6	1425.8	1513.7	1670.0	1915.6	2299.5	2816.9	3463.1
70°	1070.9	1075.6	1096.8	1107.8	1122.7	1151.7	1208.3	1349.6	1648.8	2134.7	2795.0
72.5°	730.1	743.5	766.2	797.7	838.5	877.8	904.5	922.5	986.9	1273.5	1862.2
75°	535.4	549.6	578.6	620.3	691.7	773.3	858.1	897.4	870.7	833.8	1037.1
77.5°	310.9	329.8	354.0	394.1	460.1	568.4	713.7	842.4	929.6	935.1	888.0
80°	131.1	133.5	148.4	168.8	209.6	285.8	398.8	584.1	777.3	907.6	938.2
82.5°	29.9	36.9	47.1	55.7	68.3	94.2	139.7	232.4	420.0	658.7	858.9
85°	11.0	11.0	14.9	22.0	25.1	28.3	36.9	58.9	100.5	185.3	386.2
87.5°	0.0	0.7	1.6	1.6	3.2	3.9	6.3	8.7	7.8	7.1	23.5
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):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	785.1	784.3	782.8	782.8	782.8	782.8	781.2	782.0	780.4	781.2	781.2
5°	784.3	784.3	783.5	782.0	782.8	782.8	783.5	782.0	782.0	782.8	782.0
7.5°	784.3	783.5	783.5	783.5	784.3	783.5	784.3	784.3	784.3	785.1	785.1
10°	784.3	784.3	785.9	786.7	786.7	787.4	789.9	789.9	790.6	791.4	792.9
12.5°	785.1	788.3	790.6	792.9	793.8	795.4	799.3	799.3	800.8	803.2	803.9
15°	785.9	790.6	795.4	796.9	798.4	801.6	805.5	807.1	809.5	811.8	813.4
17.5°	785.1	791.4	796.9	799.3	801.6	805.5	810.2	811.8	815.0	818.1	821.2
20°	784.3	792.9	801.6	804.7	807.9	813.4	819.6	823.5	826.7	831.4	834.6
22.5°	789.0	799.3	811.0	815.7	821.2	828.3	836.9	841.7	845.6	850.2	852.7
25°	803.9	811.8	826.0	833.8	840.8	852.7	864.4	869.9	874.6	878.5	879.4
27.5°	829.1	831.4	848.7	858.9	869.1	888.0	902.1	906.1	914.6	917.8	917.0
30°	869.9	866.0	880.1	895.8	910.7	936.7	953.9	964.1	972.0	972.0	965.7
32.5°	928.7	922.5	926.4	944.5	961.8	999.4	1019.8	1033.2	1038.7	1037.1	1023.8
35°	1005.8	1001.8	999.4	1013.6	1041.0	1085.0	1111.7	1118.8	1127.4	1125.9	1108.6
37.5°	1096.8	1093.7	1093.7	1110.1	1136.8	1202.1	1231.1	1235.7	1235.0	1222.4	1190.2
40°	1204.4	1202.8	1195.7	1205.1	1227.9	1312.8	1352.0	1358.2	1349.6	1329.2	1291.5
42.5°	1359.0	1349.6	1327.6	1333.1	1350.4	1432.8	1483.8	1501.1	1492.5	1472.1	1410.9
45°	1560.8	1550.6	1513.7	1509.0	1518.4	1590.6	1656.6	1660.5	1659.0	1633.0	1560.8
47.5°	1797.9	1782.2	1743.0	1730.4	1727.3	1794.0	1857.6	1863.8	1859.9	1821.5	1724.8
50°	2054.6	2031.8	2006.0	1997.3	1984.8	2032.7	2097.0	2097.8	2082.2	2028.8	1938.4
52.5°	2328.7	2320.8	2316.1	2307.5	2302.0	2343.5	2382.8	2359.3	2335.7	2279.9	2201.5
55°	2605.0	2637.2	2670.2	2673.3	2682.7	2727.5	2726.7	2662.3	2645.0	2614.4	2536.7
57.5°	2898.6	3018.0	3121.6	3153.8	3185.2	3268.4	3260.6	3196.9	3175.0	3137.3	3072.9
60°	3298.3	3620.1	3919.3	3990.7	4040.2	4139.9	4130.4	4032.3	4077.9	4074.7	3991.5
62.5°	3858.1	4393.5	4841.8	4951.8	4986.3	4997.2	4937.6	4831.6	4876.3	4926.5	4670.6
65°	4237.2	4866.9	5327.0	5411.8	5416.5	5285.3	5152.7	5027.8	5016.9	4973.7	4607.8
66°	4245.9	4890.4	5352.1	5434.5	5405.5	5226.5	5058.4	4932.9	4878.7	4783.7	4404.5
67.5°	4093.6	4743.7	5240.6	5327.8	5264.2	5010.6	4779.0	4617.2	4511.3	4357.3	4022.9
70°	3438.0	4082.6	4695.0	4857.5	4877.9	4499.5	4178.4	3988.4	3845.5	3634.3	3346.2
72.5°	2556.3	3138.9	3679.0	3834.5	3913.8	3611.6	3340.7	3196.2	3000.7	2778.5	2573.6
75°	1602.4	2013.8	2375.7	2484.9	2410.3	2176.3	2013.8	1953.3	1761.0	1628.3	1534.9
77.5°	916.2	1045.0	1074.1	1032.4	944.5	723.1	514.2	380.7	330.5	365.9	403.5
80°	894.2	819.6	653.2	574.7	520.6	358.0	210.4	144.5	120.1	123.3	133.5
82.5°	968.8	1039.4	855.8	698.0	585.7	395.7	218.2	116.2	78.5	92.7	104.5
85°	629.7	876.2	789.0	665.0	538.6	338.4	179.8	60.5	40.0	52.6	72.2
87.5°	63.6	69.9	59.6	80.8	60.5	28.3	14.1	8.7	7.8	9.4	14.1
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8	782.8
2.5°	782.0	782.0	782.8	783.5	784.3	785.1	785.1	785.1	785.1	786.7	785.9
5°	783.5	785.1	786.7	787.4	789.0	789.0	791.4	790.6	790.6	792.9	793.8
7.5°	786.7	789.0	792.2	791.4	794.5	793.8	795.4	795.4	792.9	793.8	792.2
10°	793.8	796.9	798.4	796.1	796.9	793.8	792.9	789.0	784.3	782.0	778.8
12.5°	805.5	808.7	808.7	804.7	800.0	792.9	787.4	778.8	771.7	767.8	763.9
15°	815.7	818.9	818.1	811.8	804.7	793.8	785.9	775.7	765.5	759.2	755.3
17.5°	823.5	825.1	822.8	814.1	806.3	796.1	788.3	777.3	765.5	757.7	750.6
20°	835.4	833.8	828.3	817.3	808.7	799.3	792.9	783.5	770.2	760.0	749.8
22.5°	852.7	846.3	836.2	824.4	815.7	807.1	800.8	790.6	777.3	764.7	752.9
25°	875.4	862.8	848.7	836.2	828.3	818.9	811.8	800.8	786.7	772.6	758.4
27.5°	908.4	886.4	868.4	857.3	848.7	836.9	828.3	814.1	799.3	782.8	767.1
30°	945.3	915.4	898.1	889.5	880.1	867.5	854.2	836.2	818.9	800.8	782.0
32.5°	993.1	957.0	940.6	931.9	919.4	903.6	888.0	867.5	843.2	819.6	796.9
35°	1056.0	1019.1	1001.8	988.5	971.2	950.8	928.0	900.6	867.5	836.2	807.1
37.5°	1123.5	1083.4	1067.0	1052.8	1026.9	1000.2	968.0	928.0	883.3	841.7	805.5
40°	1209.0	1172.2	1151.0	1126.6	1096.0	1049.7	999.4	941.3	884.0	833.0	790.6
42.5°	1317.4	1280.5	1249.1	1210.6	1157.2	1085.8	1014.3	939.0	869.9	811.8	766.2
45°	1461.1	1416.4	1362.1	1294.6	1208.3	1108.6	1015.2	924.1	843.2	778.8	730.1
47.5°	1636.9	1568.7	1479.9	1366.1	1242.1	1114.9	1002.6	894.2	801.6	731.7	677.6
50°	1845.8	1738.2	1592.2	1424.9	1259.4	1105.4	971.2	849.5	742.7	668.1	603.7
52.5°	2084.5	1908.6	1693.5	1467.4	1258.5	1074.1	917.8	782.0	665.8	582.5	521.3
55°	2364.8	2103.4	1797.9	1498.8	1236.6	1015.9	836.2	687.0	570.8	493.9	437.3
57.5°	2775.4	2418.9	1980.0	1547.5	1192.6	926.4	725.4	573.1	471.1	398.0	350.1
60°	3526.0	2945.8	2308.2	1645.6	1125.0	795.4	595.9	451.4	365.9	307.0	274.8
62.5°	4091.2	3353.2	2485.7	1623.6	989.2	633.6	442.0	328.9	269.3	229.2	208.8
65°	4010.4	3226.8	2296.5	1398.2	775.7	446.7	293.7	223.7	185.3	166.4	154.7
66°	3827.5	3062.0	2132.4	1258.5	670.5	371.4	241.8	187.6	159.3	146.0	138.1
67.5°	3480.4	2755.7	1838.7	1031.6	515.1	269.3	182.1	148.4	129.6	124.1	118.5
70°	2893.1	2197.5	1290.7	600.7	263.0	150.0	115.4	103.6	98.9	98.1	96.6
72.5°	2217.1	1555.3	760.0	284.2	136.7	99.7	89.5	85.6	84.0	84.0	84.8
75°	1359.0	873.9	336.0	139.0	95.8	84.0	79.3	77.8	76.9	77.8	76.9
77.5°	453.8	278.0	143.7	105.2	87.2	77.8	74.6	73.0	73.0	73.0	73.0
80°	139.0	120.9	110.0	97.4	82.4	73.8	69.1	68.3	69.1	69.9	67.5
82.5°	104.5	98.9	92.7	86.3	74.6	66.0	64.4	64.4	64.4	62.0	58.9
85°	76.9	76.2	62.8	58.9	55.0	55.0	55.0	55.0	52.6	48.7	45.6
87.5°	14.1	13.3	14.1	14.9	22.0	23.5	23.5	25.1	27.4	26.0	26.0
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°	782.8	782.8	782.8	782.8	782.8
2.5°	785.9	785.1	787.4	785.9	786.7
5°	792.9	792.2	793.8	792.2	794.5
7.5°	790.6	789.0	788.3	789.0	789.9
10°	774.1	772.6	771.7	771.0	771.7
12.5°	760.0	756.8	756.8	755.3	756.1
15°	749.8	747.4	746.6	745.0	745.9
17.5°	745.0	741.1	739.5	738.1	738.1
20°	742.0	737.2	734.9	733.3	732.5
22.5°	742.0	734.9	731.7	730.1	729.4
25°	745.0	736.5	731.7	729.4	728.6
27.5°	751.4	740.4	734.9	731.7	731.7
30°	762.3	748.2	740.4	736.5	735.6
32.5°	773.3	754.5	743.5	738.8	737.2
35°	778.8	754.5	741.1	733.3	731.7
37.5°	772.6	744.3	727.8	716.0	713.7
40°	752.9	723.1	705.0	694.1	692.5
42.5°	727.0	698.0	676.7	668.9	666.5
45°	691.7	657.1	635.9	624.9	625.8
47.5°	631.3	595.9	577.0	566.9	568.4
50°	559.8	525.2	508.7	497.8	500.1
52.5°	481.3	449.9	434.1	428.7	427.1
55°	398.8	374.5	363.5	357.2	354.9
57.5°	323.4	306.2	298.3	290.5	291.3
60°	255.2	246.5	244.2	235.5	234.8
62.5°	201.0	195.5	193.1	186.9	187.6
65°	152.3	150.7	152.3	148.4	150.0
66°	137.4	138.1	138.1	135.8	137.4
67.5°	118.5	120.1	122.5	120.1	121.7
70°	98.1	99.7	101.3	101.3	101.3
72.5°	85.6	87.2	87.9	87.9	87.9
75°	78.5	79.3	80.1	78.5	78.5
77.5°	73.8	73.8	72.2	71.4	70.7
80°	66.7	66.0	63.6	62.0	62.0
82.5°	55.7	54.1	52.6	50.2	50.2
85°	42.4	40.8	39.3	36.1	34.5
87.5°	22.0	22.8	22.0	18.0	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)