

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: P147201

Luminaire Tested: **VXS-E05-LED-E1-5MQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147201
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXS-E05-LED-E1-5MQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16539.6 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 127.3
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



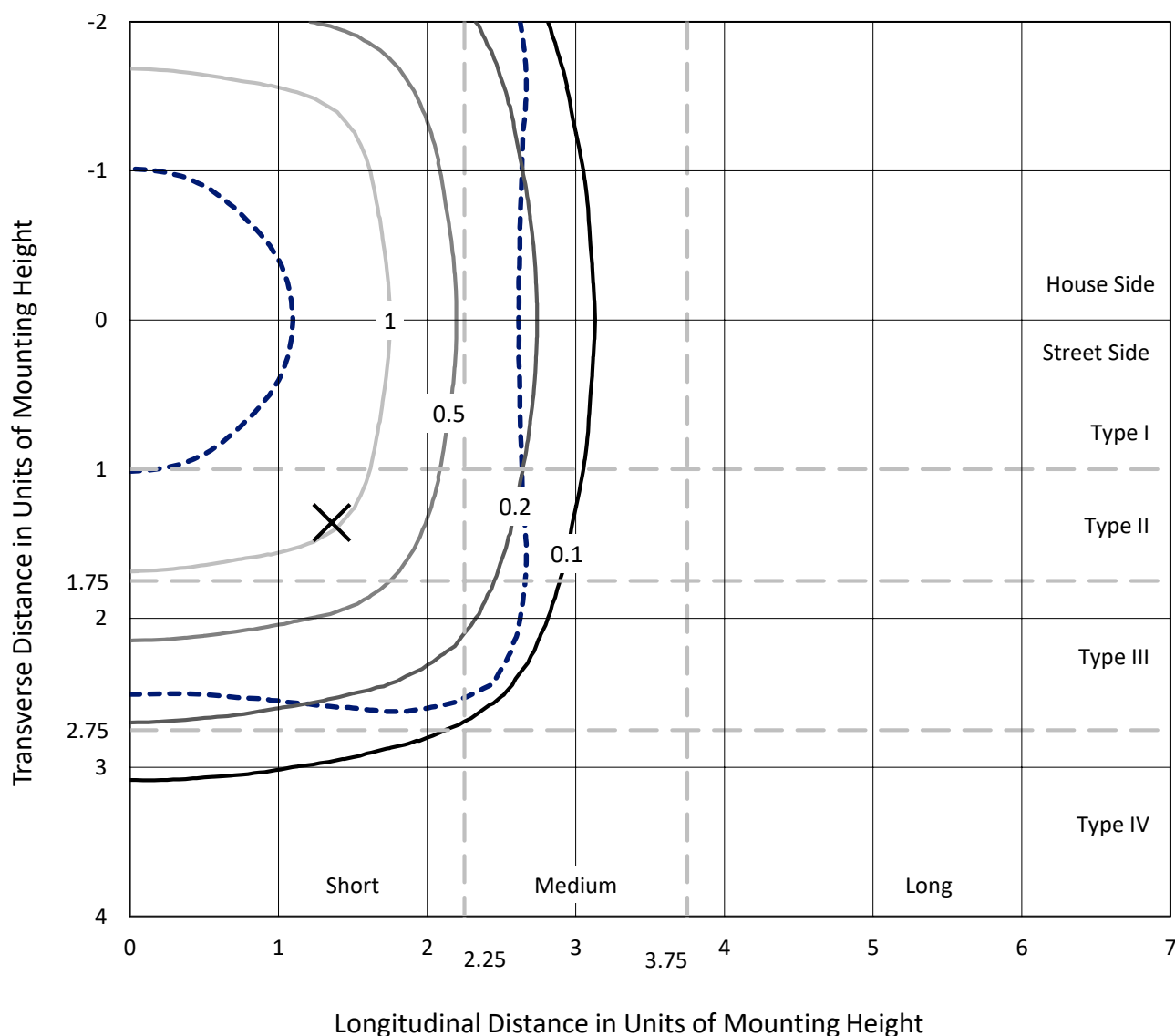
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

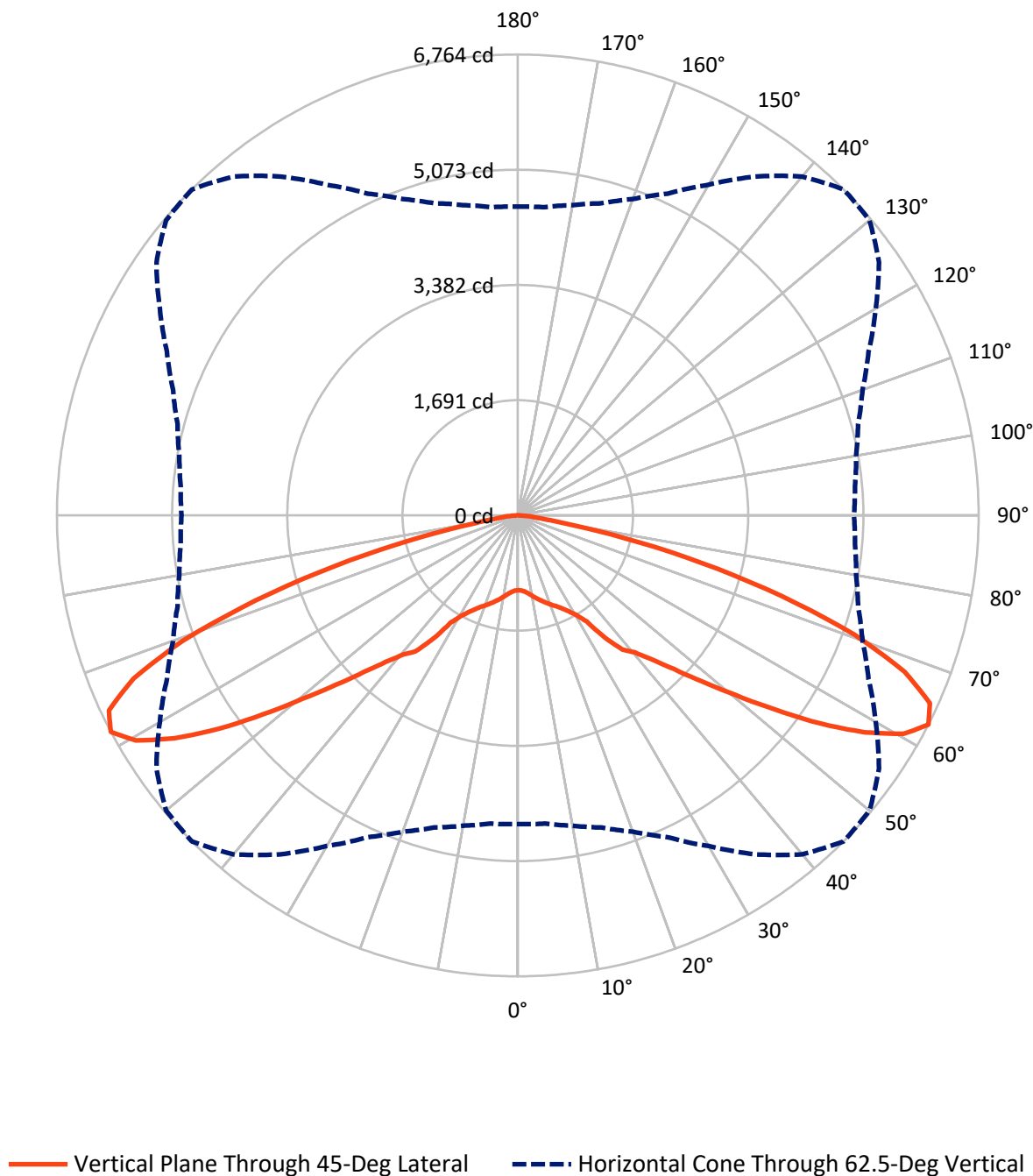
--- 1/2 Max cd



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Luminous Intensity Polar Plot



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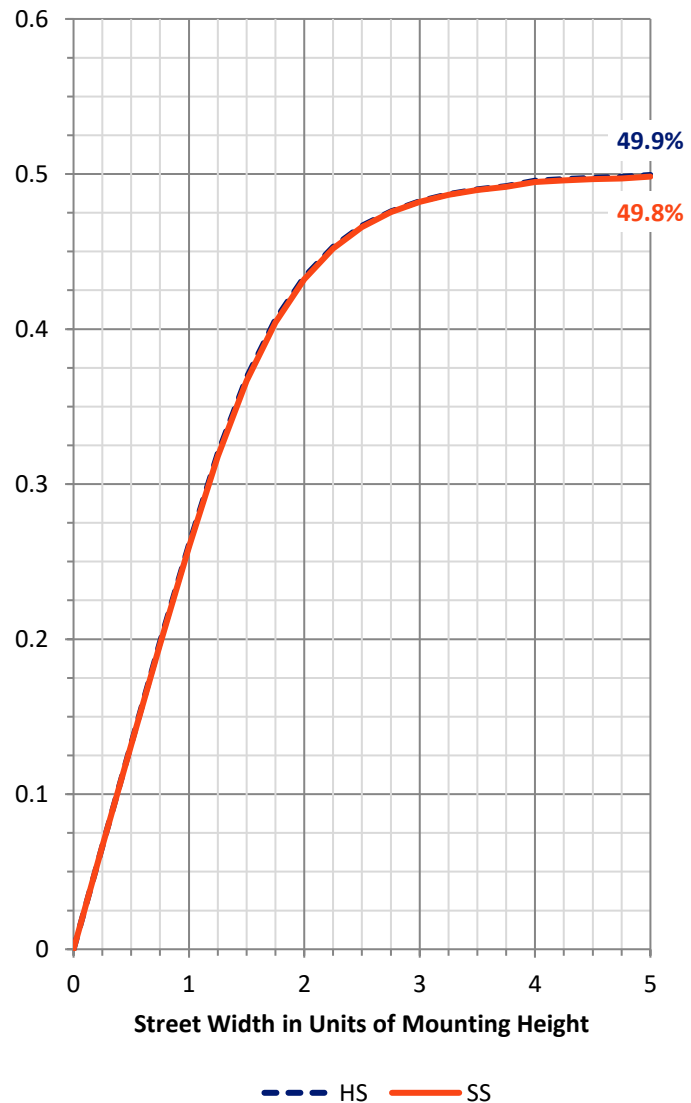
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8269.8	0.0	8269.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8269.8	0.0	8269.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	16539.6	0.0	16539.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	0.7
10°-20°	371.9	2.2
20°-30°	719.1	4.3
30°-40°	1392.4	8.4
40°-50°	2514.1	15.2
50°-60°	4371.6	26.4
60°-70°	4962.9	30.0
70°-80°	1924.1	11.6
80°-90°	173.6	1.0
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°	16539.6	100.0
0°-180°	16539.6	100.0

Coefficient of Utilization



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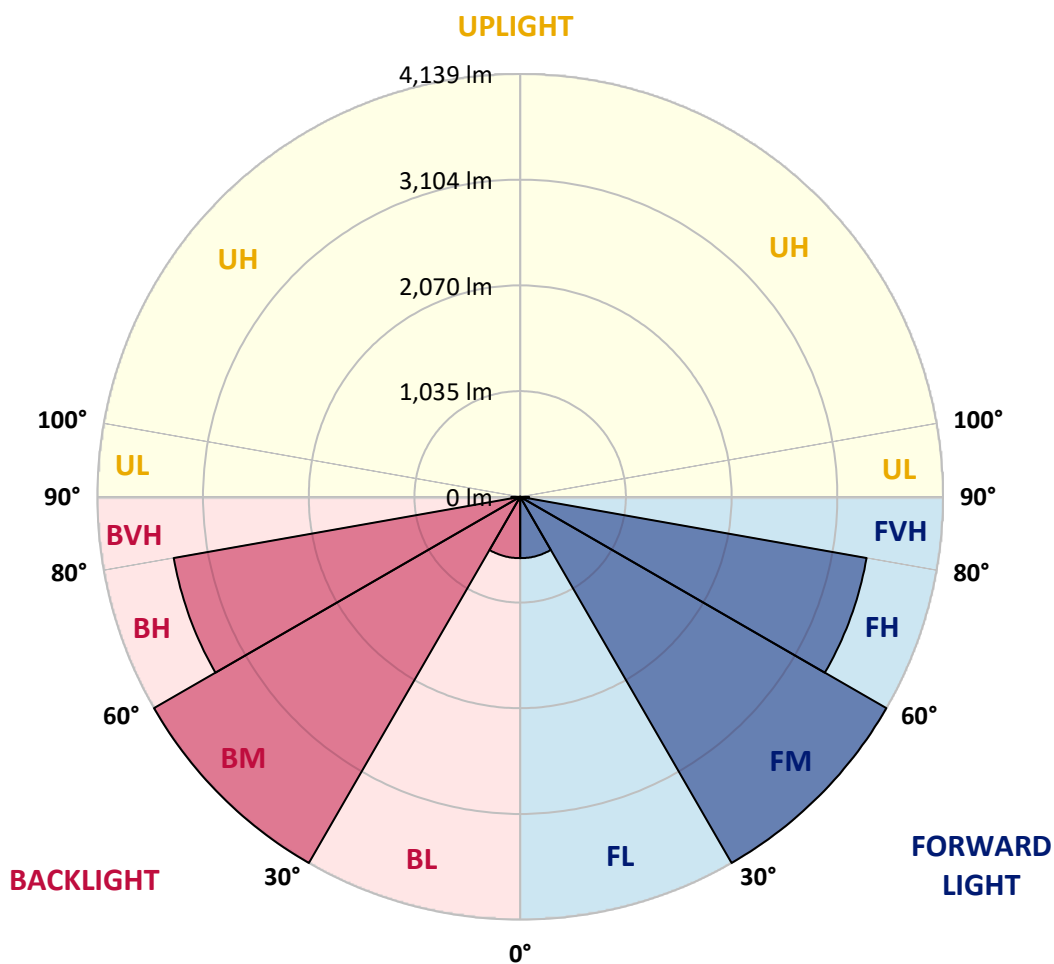
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	600.5	3.6			
FM	(30°-60°)	4139.0	25.0			
FH	(60°-80°)	3443.5	20.8			G2/5000
FVH	(80°-90°)	86.8	0.5			G1/100
BL	(0°-30°)	600.5	3.6	B2/1000		
BM	(30°-60°)	4139.0	25.0	B3/5000		
BH	(60°-80°)	3443.5	20.8	B4/5000		G2/5000
BVH	(80°-90°)	86.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9
2.5°	1104.8	1108.2	1107.4	1105.6	1105.6	1105.6	1104.9	1102.2	1101.3	1103.0	1104.8
5°	1130.4	1130.4	1130.4	1130.4	1128.7	1128.7	1127.0	1125.3	1126.2	1124.5	1123.5
7.5°	1169.7	1167.3	1167.3	1166.3	1166.4	1164.7	1162.1	1158.7	1159.6	1158.7	1157.8
10°	1216.0	1216.8	1214.3	1216.8	1212.5	1211.6	1208.3	1206.5	1205.7	1203.1	1203.1
12.5°	1271.5	1269.0	1269.0	1267.3	1265.5	1263.8	1258.7	1257.8	1254.4	1252.6	1250.2
15°	1323.7	1322.8	1319.4	1316.0	1315.1	1313.4	1307.4	1304.0	1303.2	1298.9	1295.4
17.5°	1375.9	1374.1	1369.8	1368.1	1364.8	1362.1	1357.1	1351.9	1349.3	1347.6	1343.4
20°	1431.4	1429.7	1425.5	1422.0	1417.8	1414.3	1406.6	1402.3	1399.8	1397.3	1393.9
22.5°	1500.6	1497.2	1490.4	1484.4	1475.0	1471.6	1461.3	1455.3	1451.1	1447.7	1446.0
25°	1576.0	1576.8	1567.4	1559.7	1548.6	1539.2	1526.3	1519.6	1515.2	1511.7	1510.9
27.5°	1669.9	1670.9	1662.3	1651.2	1634.0	1623.8	1606.6	1598.1	1595.6	1592.1	1591.3
30°	1818.9	1811.0	1796.5	1778.7	1763.1	1740.9	1716.2	1707.6	1699.1	1696.5	1696.5
32.5°	2092.4	2088.1	2076.2	2031.7	2011.2	1965.0	1921.5	1896.6	1868.4	1854.7	1846.2
35°	2283.9	2282.3	2272.7	2257.4	2244.6	2235.2	2209.5	2205.3	2200.1	2200.2	2207.0
37.5°	2425.1	2414.7	2413.1	2415.6	2412.2	2413.9	2434.4	2462.6	2486.6	2498.7	2496.8
40°	2633.7	2619.1	2627.7	2621.8	2614.1	2612.3	2619.2	2630.3	2641.5	2641.5	2638.8
42.5°	2906.4	2913.3	2916.7	2891.8	2875.6	2871.3	2887.7	2884.2	2895.3	2891.1	2880.0
45°	3311.7	3307.5	3301.6	3271.5	3245.9	3225.4	3229.6	3223.6	3224.6	3217.6	3209.1
47.5°	3720.4	3735.0	3710.3	3695.8	3666.6	3652.0	3664.0	3653.8	3673.5	3637.5	3620.4
50°	4117.3	4127.5	4119.0	4098.4	4098.4	4119.0	4133.5	4152.3	4179.7	4138.7	4077.1
52.5°	4442.2	4450.8	4463.6	4480.6	4522.6	4566.2	4627.8	4693.6	4745.7	4738.0	4668.0
55°	4640.6	4650.8	4672.1	4731.2	4806.4	4921.0	5060.4	5213.5	5333.2	5391.3	5340.0
57.5°	4707.3	4714.9	4773.1	4844.0	4961.2	5131.4	5364.8	5629.0	5859.1	6005.3	5982.2
60°	4691.8	4691.8	4750.9	4848.3	5012.5	5238.3	5568.3	5934.3	6286.6	6505.5	6473.0
62.5°	4530.3	4538.9	4623.4	4740.6	4939.0	5209.2	5602.6	6070.3	6491.8	6763.7	6737.2
65°	4176.3	4182.2	4273.8	4413.1	4634.6	4954.4	5384.5	5902.7	6385.7	6647.5	6597.9
67.5°	3604.1	3610.2	3684.6	3841.9	4076.3	4410.6	4874.8	5445.2	5918.1	6125.1	5976.2
70°	2867.2	2884.1	2932.1	3098.9	3276.7	3604.1	4031.8	4602.1	5048.5	5244.2	5080.0
72.5°	1953.9	1997.5	2055.6	2203.5	2373.7	2645.6	2986.0	3466.5	3824.9	4051.4	3905.2
75°	1100.5	1162.1	1180.1	1292.0	1432.3	1646.8	1895.8	2240.4	2602.1	2785.9	2609.7
77.5°	475.4	525.8	548.2	600.2	709.7	799.5	950.9	1183.5	1463.0	1592.1	1380.9
80°	234.3	246.3	255.6	271.9	302.7	331.8	403.5	505.3	619.9	649.0	516.5
82.5°	181.2	189.8	206.0	218.9	226.5	234.3	241.1	254.8	265.9	271.9	256.6
85°	127.5	138.5	156.5	171.0	179.5	185.5	191.5	195.9	185.5	169.3	177.8
87.5°	33.4	43.6	60.7	65.9	74.4	78.7	76.9	79.6	71.8	52.1	58.2
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°
0°	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9	1097.9
2.5°	1103.9	1103.0	1103.9	1103.9	1103.9	1103.1	1103.1	1103.1
5°	1123.6	1123.6	1124.5	1122.7	1122.7	1123.6	1122.7	1121.9
7.5°	1156.9	1156.1	1156.1	1155.2	1156.1	1155.2	1155.2	1154.4
10°	1201.5	1199.7	1200.6	1198.0	1197.9	1197.1	1197.1	1197.1
12.5°	1249.3	1246.7	1247.6	1245.0	1240.7	1241.6	1242.5	1241.6
15°	1295.5	1292.8	1290.4	1288.6	1286.0	1286.8	1286.8	1286.0
17.5°	1342.5	1337.4	1336.5	1333.9	1333.1	1333.1	1333.1	1333.9
20°	1391.3	1387.8	1386.9	1384.4	1383.6	1386.1	1386.9	1385.3
22.5°	1443.3	1441.7	1443.4	1441.7	1444.2	1446.0	1446.8	1445.1
25°	1509.2	1507.6	1510.1	1516.1	1519.5	1521.1	1525.5	1523.7
27.5°	1593.9	1592.1	1598.1	1606.7	1611.8	1620.4	1624.8	1626.4
30°	1703.3	1711.1	1714.4	1731.6	1734.9	1748.6	1748.6	1754.6
32.5°	1862.4	1876.9	1902.6	1929.1	1965.8	1992.3	1992.3	2006.0
35°	2211.3	2217.2	2236.9	2241.2	2248.9	2257.4	2248.9	2255.8
37.5°	2479.0	2452.4	2433.6	2407.0	2390.9	2390.9	2392.5	2390.8
40°	2615.8	2605.4	2596.9	2574.7	2571.2	2570.4	2570.4	2573.8
42.5°	2860.3	2835.4	2821.8	2803.0	2797.0	2795.2	2794.4	2796.2
45°	3178.3	3138.2	3101.5	3082.6	3066.3	3050.9	3056.1	3056.1
47.5°	3548.6	3486.2	3426.3	3393.8	3365.7	3352.7	3344.2	3341.7
50°	3999.2	3912.0	3835.0	3774.3	3733.3	3732.4	3736.8	3709.3
52.5°	4551.7	4414.0	4318.1	4236.1	4197.6	4193.4	4179.7	4164.2
55°	5163.9	5000.5	4842.3	4754.3	4703.8	4676.5	4660.2	4634.6
57.5°	5794.9	5575.1	5347.7	5206.6	5117.7	5056.2	5023.6	5009.1
60°	6281.5	5981.3	5681.2	5454.6	5306.6	5215.1	5158.8	5135.6
62.5°	6473.1	6065.9	5681.2	5383.6	5169.8	5043.3	4967.3	4933.9
65°	6244.7	5762.5	5324.6	4996.3	4757.7	4616.6	4533.7	4497.7
67.5°	5606.8	5180.9	4704.7	4378.0	4132.6	3993.2	3903.4	3877.0
70°	4700.4	4265.2	3810.3	3518.8	3299.8	3186.0	3092.8	3081.8
72.5°	3532.4	3157.0	2767.0	2526.0	2349.8	2161.7	2113.8	2137.7
75°	2264.2	1912.8	1565.7	1348.5	1187.8	1008.2	938.9	956.0
77.5°	1072.3	830.3	599.4	463.4	389.1	332.6	318.1	309.5
80°	397.6	322.4	284.8	270.3	259.9	250.6	243.7	236.0
82.5°	257.4	251.4	243.7	241.0	233.4	221.5	199.2	189.8
85°	192.3	192.3	182.2	183.0	177.0	161.7	141.0	129.9
87.5°	56.4	50.5	46.2	42.8	41.9	37.6	27.4	23.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)