

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: P147199

Luminaire Tested: **VXS-E05-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147199
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-7030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (105) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14722.2 lumens
Efficiency: N/A
Efficacy: 115.6 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

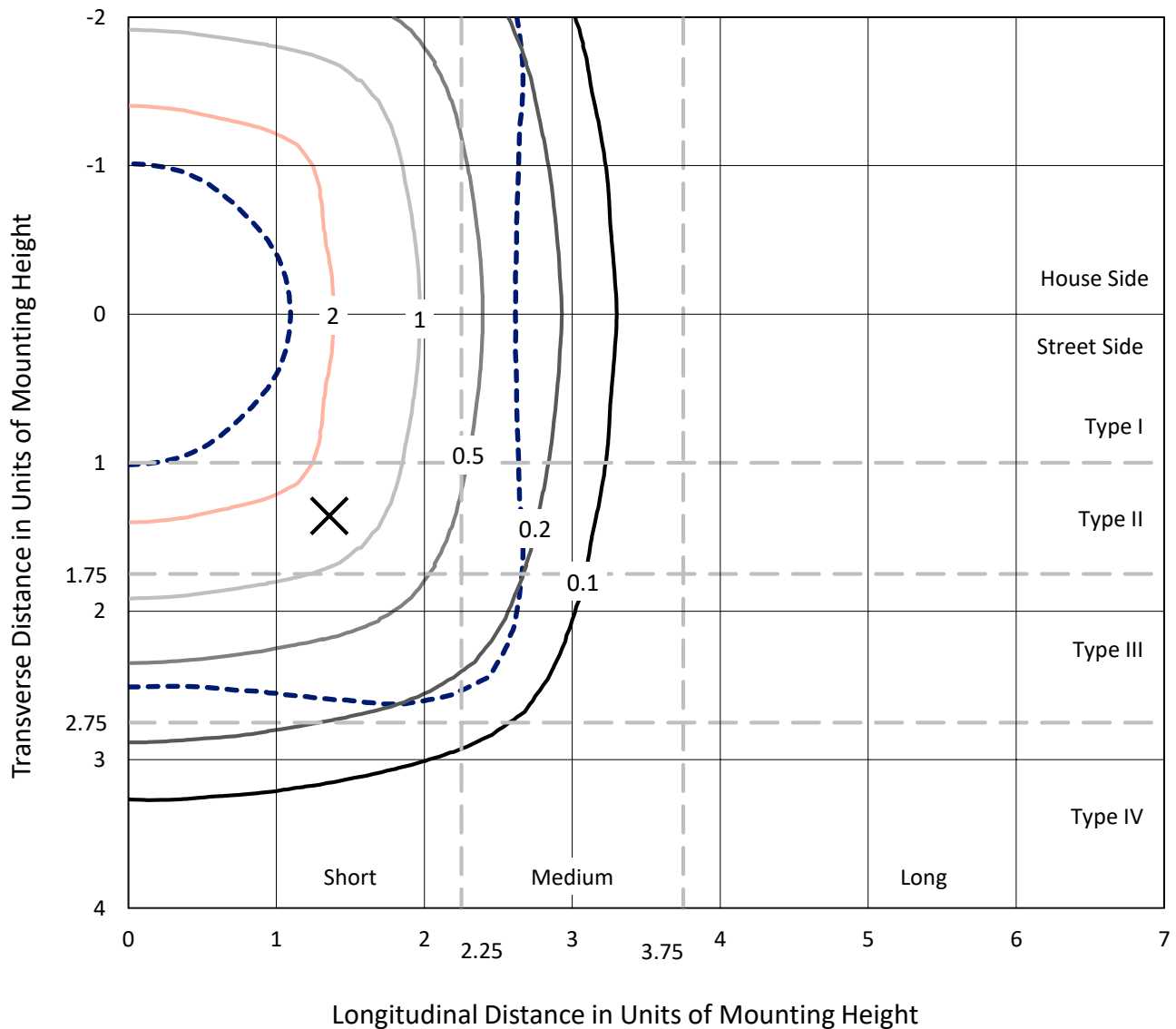


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

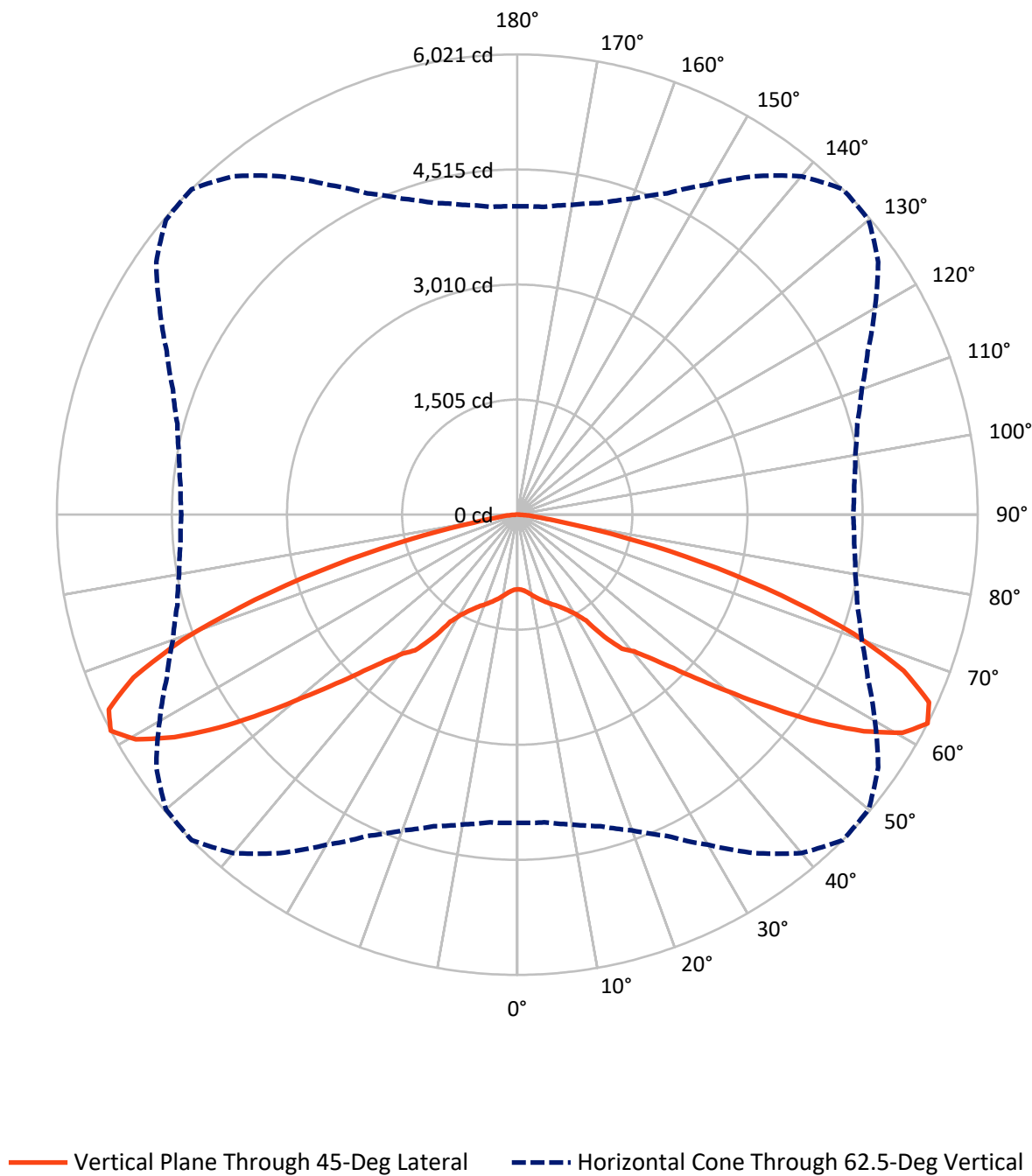


Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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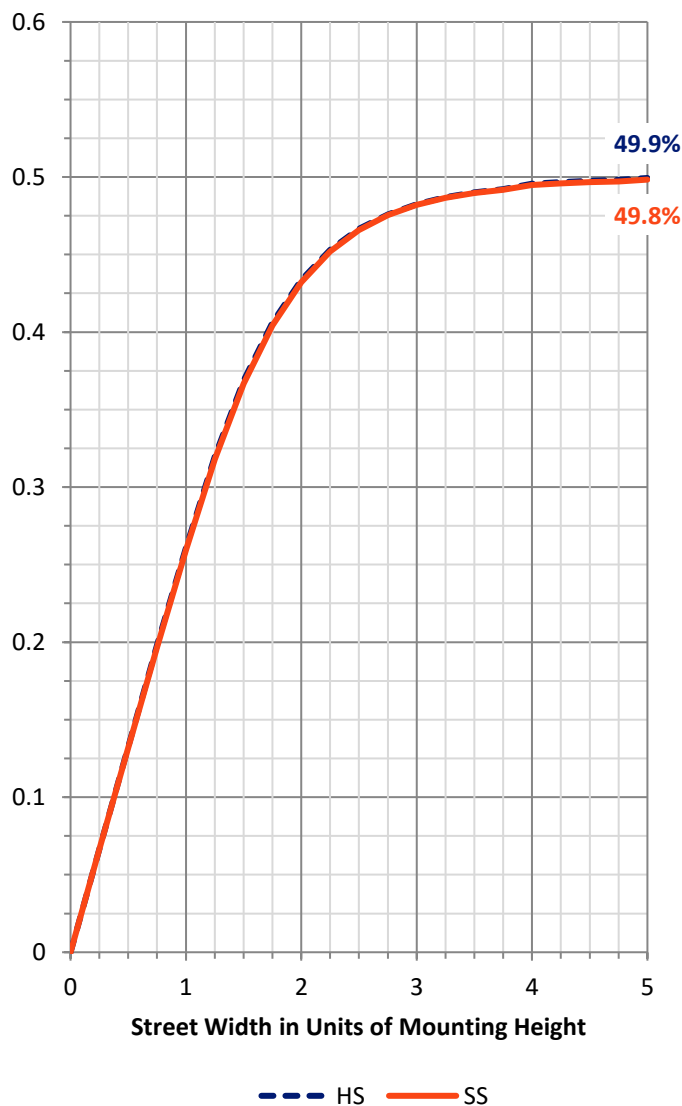
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7361.1	0.0	7361.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7361.1	0.0	7361.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14722.2	0.0	14722.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	0.7
10°-20°	331.1	2.2
20°-30°	640.1	4.3
30°-40°	1239.4	8.4
40°-50°	2237.8	15.2
50°-60°	3891.2	26.4
60°-70°	4417.5	30.0
70°-80°	1712.6	11.6
80°-90°	154.5	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°	14722.2	100.0
0°-180°	14722.2	100.0

Coefficient of Utilization



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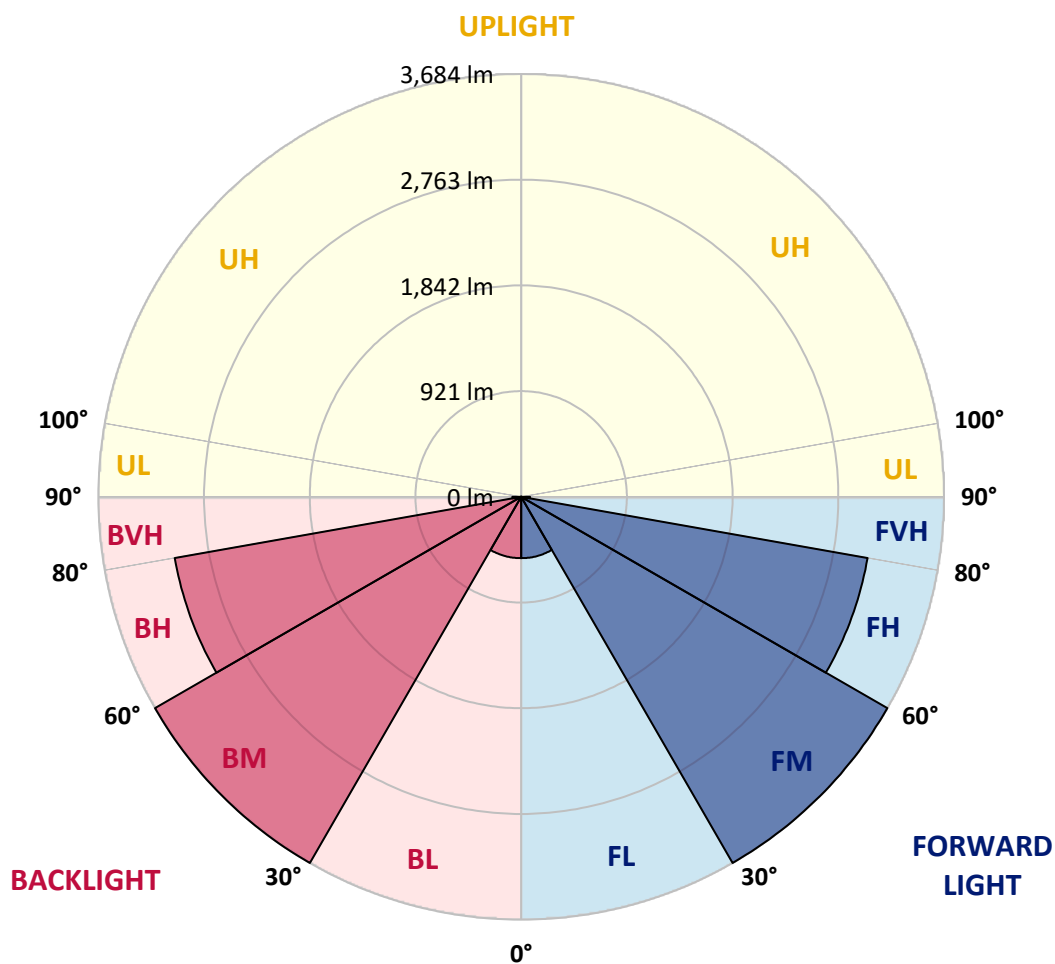
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	534.5	3.6			
FM	(30°-60°)	3684.2	25.0			
FH	(60°-80°)	3065.1	20.8			G2/5000
FVH	(80°-90°)	77.3	0.5			G1/100
BL	(0°-30°)	534.5	3.6	B2/1000		
BM	(30°-60°)	3684.2	25.0	B3/5000		
BH	(60°-80°)	3065.1	20.8	B4/5000		G2/5000
BVH	(80°-90°)	77.3	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°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	983.4	986.4	985.7	984.1	984.1	984.0	983.4	981.1	980.3	981.9	983.4
5°	1006.2	1006.2	1006.2	1006.2	1004.7	1004.7	1003.1	1001.7	1002.5	1000.8	1000.1
7.5°	1041.2	1039.0	1039.0	1038.1	1038.1	1036.7	1034.4	1031.3	1032.1	1031.3	1030.6
10°	1082.3	1083.1	1080.8	1083.1	1079.3	1078.5	1075.4	1074.0	1073.2	1070.9	1070.9
12.5°	1131.8	1129.5	1129.5	1128.1	1126.4	1125.0	1120.4	1119.6	1116.6	1115.0	1112.7
15°	1178.2	1177.4	1174.4	1171.4	1170.6	1169.1	1163.7	1160.7	1160.0	1156.1	1153.2
17.5°	1224.7	1223.2	1219.3	1217.8	1214.7	1212.4	1207.9	1203.3	1201.0	1199.6	1195.6
20°	1274.2	1272.5	1268.8	1265.7	1262.0	1258.9	1252.0	1248.3	1246.0	1243.7	1240.6
22.5°	1335.8	1332.7	1326.6	1321.3	1313.0	1309.9	1300.7	1295.4	1291.6	1288.5	1287.0
25°	1402.7	1403.5	1395.1	1388.3	1378.4	1370.1	1358.5	1352.5	1348.7	1345.7	1344.9
27.5°	1486.4	1487.3	1479.6	1469.7	1454.5	1445.4	1430.2	1422.6	1420.3	1417.2	1416.5
30°	1618.9	1612.0	1599.1	1583.2	1569.4	1549.6	1527.6	1520.0	1512.3	1510.1	1510.1
32.5°	1862.5	1858.7	1848.0	1808.5	1790.2	1749.0	1710.3	1688.2	1663.0	1650.9	1643.3
35°	2033.0	2031.5	2023.0	2009.3	1997.9	1989.6	1966.8	1962.9	1958.3	1958.3	1964.5
37.5°	2158.5	2149.4	2147.9	2150.2	2147.2	2148.6	2166.8	2192.0	2213.4	2224.0	2222.5
40°	2344.2	2331.4	2338.9	2333.6	2326.8	2325.2	2331.4	2341.1	2351.1	2351.1	2348.8
42.5°	2587.0	2593.2	2596.2	2574.1	2559.7	2555.9	2570.4	2567.3	2577.2	2573.3	2563.5
45°	2947.8	2944.0	2938.8	2912.1	2889.2	2870.9	2874.8	2869.4	2870.3	2864.1	2856.5
47.5°	3311.7	3324.6	3302.5	3289.5	3263.7	3250.8	3261.3	3252.2	3269.8	3237.8	3222.6
50°	3664.9	3674.0	3666.3	3648.1	3648.1	3666.3	3679.4	3696.0	3720.4	3683.9	3629.0
52.5°	3954.0	3961.7	3973.1	3988.3	4025.6	4064.5	4119.2	4177.8	4224.2	4217.4	4155.0
55°	4130.6	4139.8	4158.8	4211.4	4278.3	4380.3	4504.4	4640.6	4747.2	4799.0	4753.2
57.5°	4190.1	4196.9	4248.6	4311.7	4416.1	4567.5	4775.3	5010.6	5215.2	5345.4	5324.9
60°	4176.3	4176.3	4228.8	4315.5	4461.8	4662.6	4956.5	5282.3	5595.9	5790.7	5761.7
62.5°	4032.5	4040.0	4115.4	4219.7	4396.3	4636.8	4986.9	5403.2	5778.4	6020.5	5996.9
65°	3717.3	3722.7	3804.1	3928.1	4125.3	4409.9	4792.7	5254.1	5684.1	5917.0	5872.7
67.5°	3208.1	3213.5	3279.7	3419.7	3628.3	3925.8	4339.2	4846.8	5267.8	5452.0	5319.5
70°	2552.1	2567.3	2609.9	2758.3	2916.6	3208.1	3588.7	4096.4	4493.7	4668.0	4521.9
72.5°	1739.2	1778.0	1829.7	1961.5	2113.0	2354.9	2657.8	3085.6	3404.6	3606.2	3476.1
75°	979.6	1034.4	1050.4	1150.1	1274.8	1465.9	1687.5	1994.2	2316.1	2479.8	2322.9
77.5°	423.2	468.1	487.9	534.3	631.7	711.6	846.4	1053.5	1302.3	1417.2	1229.2
80°	208.5	219.3	227.6	242.1	269.4	295.3	359.3	449.7	551.8	577.7	459.7
82.5°	161.3	168.9	183.4	194.8	201.7	208.5	214.6	226.8	236.7	242.1	228.4
85°	113.4	123.3	139.3	152.1	159.8	165.2	170.6	174.3	165.2	150.7	158.3
87.5°	29.6	38.8	54.1	58.7	66.2	70.1	68.6	70.8	63.9	46.4	51.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	977.3	977.3	977.3	977.3	977.3	977.3	977.3	977.3
2.5°	982.6	981.8	982.6	982.6	982.6	981.9	981.8	981.9
5°	1000.1	1000.1	1000.8	999.4	999.4	1000.2	999.4	998.5
7.5°	1029.8	1029.0	1029.0	1028.3	1029.0	1028.2	1028.3	1027.6
10°	1069.4	1067.8	1068.6	1066.3	1066.3	1065.6	1065.6	1065.6
12.5°	1111.9	1109.6	1110.5	1108.2	1104.4	1105.2	1105.9	1105.2
15°	1153.1	1150.9	1148.6	1146.9	1144.7	1145.5	1145.5	1144.8
17.5°	1194.9	1190.4	1189.6	1187.4	1186.6	1186.5	1186.6	1187.4
20°	1238.3	1235.2	1234.6	1232.2	1231.5	1233.8	1234.6	1233.1
22.5°	1284.8	1283.3	1284.8	1283.3	1285.5	1287.0	1287.9	1286.3
25°	1343.4	1341.9	1344.1	1349.4	1352.5	1354.0	1357.8	1356.4
27.5°	1418.8	1417.2	1422.6	1430.2	1434.7	1442.3	1446.1	1447.7
30°	1516.2	1523.0	1526.0	1541.3	1544.2	1556.6	1556.5	1561.9
32.5°	1657.7	1670.7	1693.5	1717.1	1749.8	1773.5	1773.5	1785.6
35°	1968.3	1973.6	1991.1	1994.9	2001.8	2009.3	2001.8	2007.9
37.5°	2206.4	2182.9	2166.2	2142.6	2128.1	2128.1	2129.6	2128.1
40°	2328.3	2319.2	2311.5	2291.8	2288.7	2288.0	2288.0	2291.0
42.5°	2546.0	2523.9	2511.7	2494.9	2489.6	2488.1	2487.4	2488.9
45°	2829.0	2793.4	2760.6	2743.8	2729.4	2715.6	2720.2	2720.3
47.5°	3158.7	3103.1	3049.8	3020.9	2995.8	2984.4	2976.8	2974.5
50°	3559.8	3482.2	3413.7	3359.6	3323.1	3322.3	3326.1	3301.8
52.5°	4051.4	3928.9	3843.7	3770.6	3736.4	3732.6	3720.4	3706.6
55°	4596.4	4451.0	4310.3	4231.9	4186.9	4162.6	4148.2	4125.3
57.5°	5158.1	4962.5	4760.0	4634.5	4555.3	4500.5	4471.6	4458.7
60°	5591.2	5324.0	5057.0	4855.2	4723.5	4642.1	4591.9	4571.3
62.5°	5761.8	5399.4	5057.0	4792.0	4601.8	4489.1	4421.3	4391.7
65°	5558.5	5129.2	4739.5	4447.3	4234.8	4109.3	4035.4	4003.5
67.5°	4990.7	4611.6	4187.8	3897.0	3678.5	3554.4	3474.6	3451.0
70°	4183.8	3796.5	3391.5	3132.0	2937.2	2835.9	2753.0	2743.1
72.5°	3144.1	2810.1	2463.0	2248.4	2091.6	1924.1	1881.5	1902.8
75°	2015.5	1702.6	1393.6	1200.2	1057.2	897.4	835.6	851.0
77.5°	954.4	739.1	533.5	412.5	346.3	296.1	283.1	275.5
80°	353.9	286.9	253.5	240.5	231.4	223.0	217.0	210.1
82.5°	229.1	223.8	216.9	214.7	207.8	197.1	177.3	169.0
85°	171.2	171.2	162.1	162.9	157.5	143.8	125.6	115.6
87.5°	50.2	45.0	41.0	38.0	37.3	33.5	24.4	21.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)