

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: P147206

Luminaire Tested: **VXS-F05-LED-E1-5MQ-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147206
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-F05-LED-E1-5MQ-7050
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (35) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13653.9 lumens
Efficiency: N/A
Efficacy: 102.4 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): 133.3
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

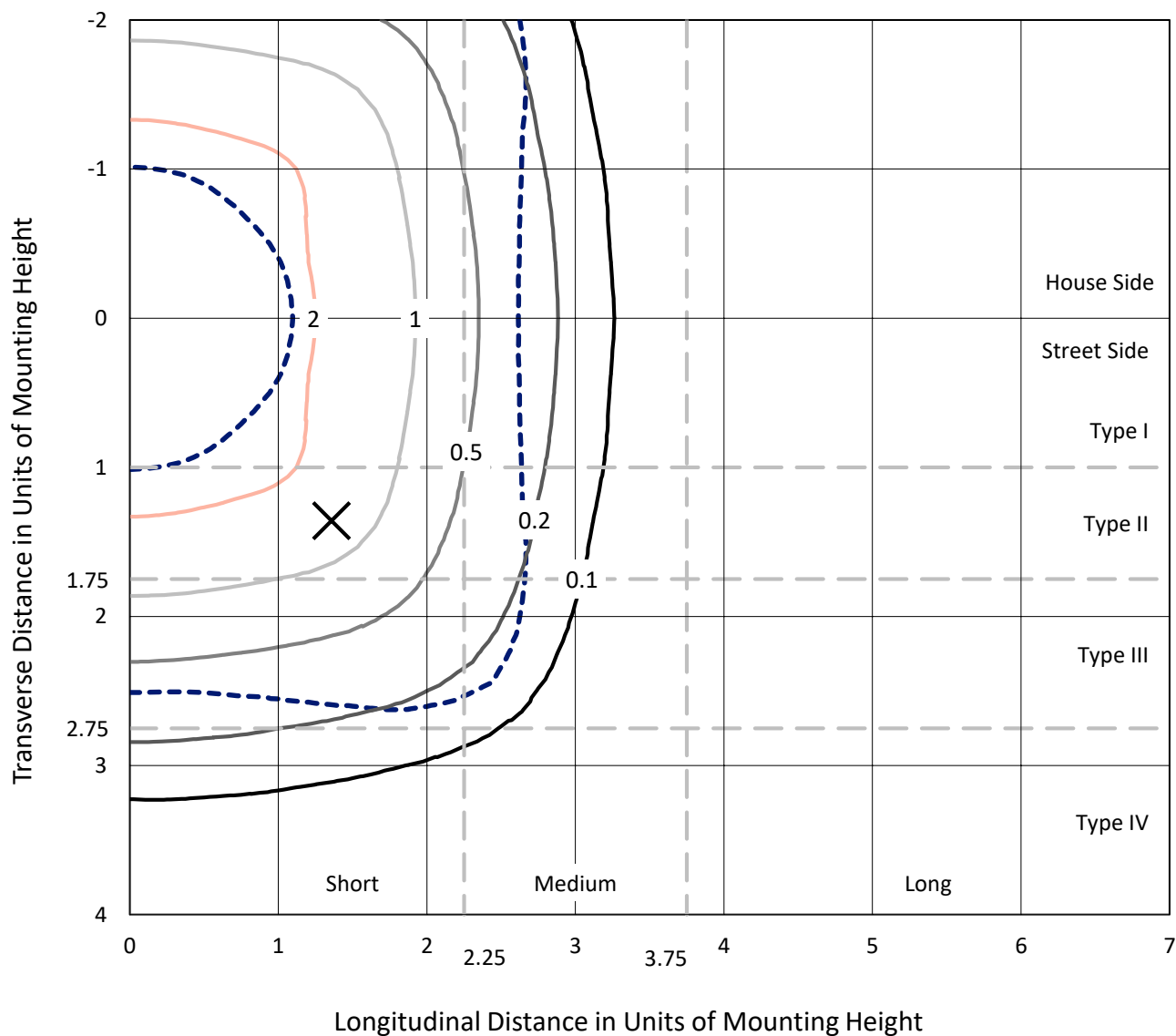


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

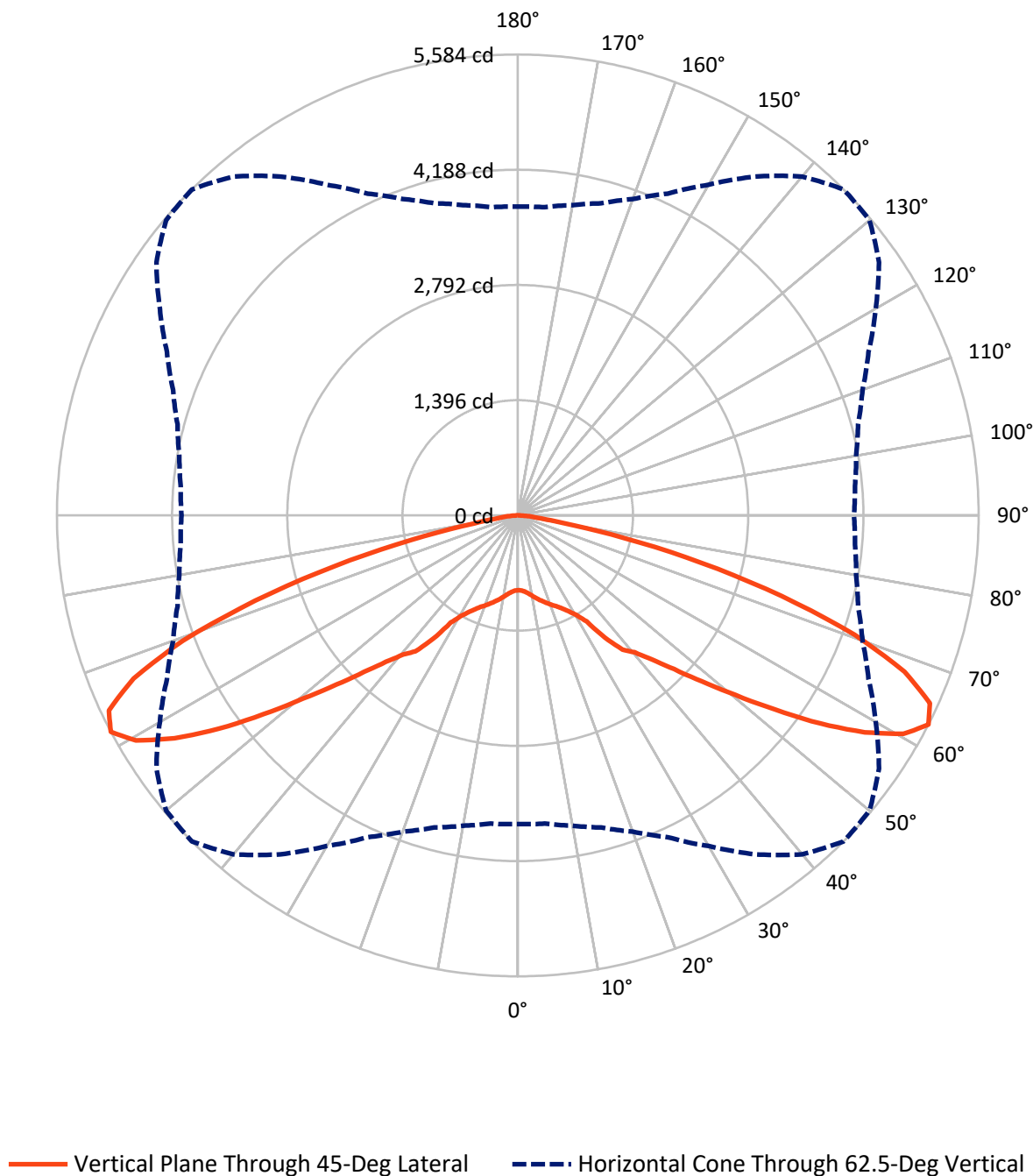


Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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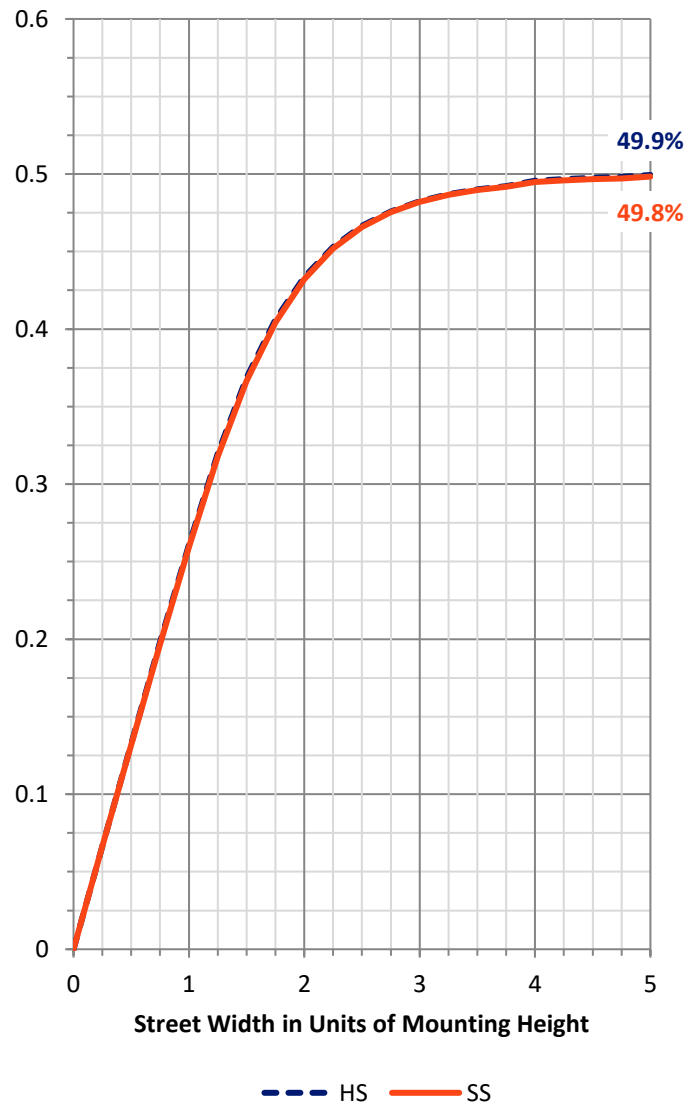
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6826.9	0.0	6826.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6826.9	0.0	6826.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	13653.9	0.0	13653.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.8	0.7
10°-20°	307.0	2.2
20°-30°	593.7	4.3
30°-40°	1149.4	8.4
40°-50°	2075.4	15.2
50°-60°	3608.8	26.4
60°-70°	4097.0	30.0
70°-80°	1588.4	11.6
80°-90°	143.3	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°	13653.9	100.0
0°-180°	13653.9	100.0

Coefficient of Utilization



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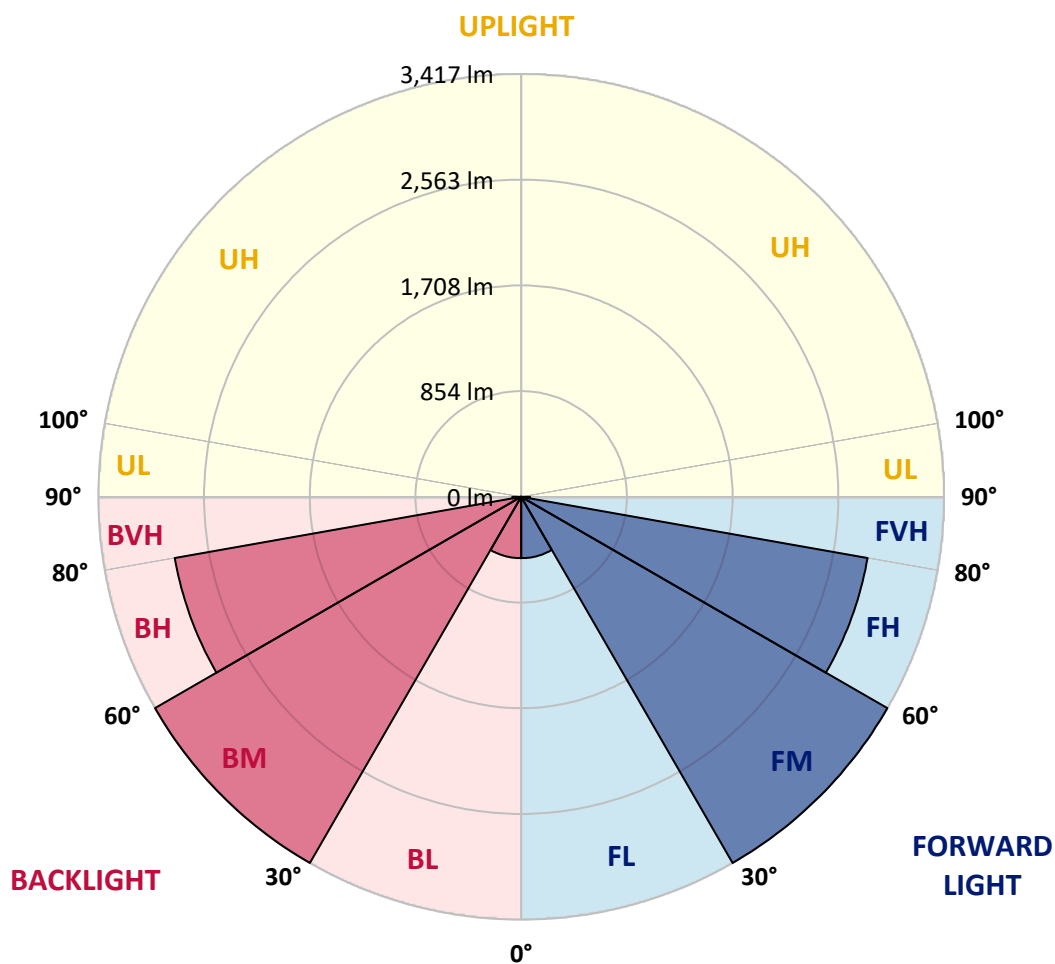
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.8	3.6			
FM	(30°-60°)	3416.9	25.0			
FH	(60°-80°)	2842.7	20.8			G2/5000
FVH	(80°-90°)	71.7	0.5			G1/100
BL	(0°-30°)	495.8	3.6	B1/500		
BM	(30°-60°)	3416.9	25.0	B3/5000		
BH	(60°-80°)	2842.7	20.8	B4/5000		G2/5000
BVH	(80°-90°)	71.7	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°	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3
2.5°	912.0	914.8	914.2	912.7	912.7	912.7	912.0	909.8	909.2	910.7	912.0
5°	933.3	933.3	933.3	933.3	931.8	931.8	930.4	928.9	929.7	928.3	927.5
7.5°	965.6	963.5	963.5	962.8	962.9	961.5	959.4	956.5	957.2	956.5	955.8
10°	1003.7	1004.5	1002.4	1004.6	1000.9	1000.2	997.4	996.1	995.3	993.2	993.2
12.5°	1049.6	1047.6	1047.5	1046.1	1044.8	1043.3	1039.1	1038.3	1035.5	1034.2	1032.0
15°	1092.7	1092.0	1089.2	1086.4	1085.7	1084.2	1079.3	1076.5	1075.8	1072.3	1069.4
17.5°	1135.8	1134.3	1130.8	1129.4	1126.6	1124.5	1120.2	1116.1	1113.9	1112.5	1109.0
20°	1181.7	1180.2	1176.8	1173.9	1170.4	1167.5	1161.2	1157.7	1155.5	1153.4	1150.7
22.5°	1238.9	1236.1	1230.4	1225.5	1217.6	1214.9	1206.4	1201.5	1197.9	1195.0	1193.7
25°	1300.9	1301.7	1293.9	1287.5	1278.3	1270.7	1260.0	1254.4	1250.8	1248.1	1247.3
27.5°	1378.7	1379.4	1372.2	1363.1	1349.0	1340.5	1326.4	1319.4	1317.2	1314.4	1313.7
30°	1501.5	1495.1	1483.1	1468.2	1455.5	1437.3	1416.8	1409.7	1402.6	1400.5	1400.5
32.5°	1727.4	1723.7	1714.0	1677.2	1660.3	1622.2	1586.1	1565.7	1542.4	1531.1	1523.9
35°	1885.4	1884.0	1876.3	1863.5	1853.1	1845.2	1824.0	1820.5	1816.3	1816.3	1822.0
37.5°	2001.9	1993.4	1992.0	1994.2	1991.3	1992.7	2009.7	2033.0	2052.7	2062.6	2061.2
40°	2174.1	2162.2	2169.2	2164.2	2157.9	2156.5	2162.1	2171.4	2180.5	2180.5	2178.4
42.5°	2399.4	2405.0	2407.9	2387.4	2373.9	2370.4	2383.8	2380.9	2390.2	2386.6	2377.4
45°	2733.9	2730.4	2725.5	2700.7	2679.6	2662.6	2666.2	2661.2	2662.0	2656.4	2649.2
47.5°	3071.4	3083.3	3062.8	3050.9	3026.8	3014.9	3024.8	3016.4	3032.5	3002.9	2988.8
50°	3399.0	3407.4	3400.3	3383.3	3383.4	3400.3	3412.3	3427.8	3450.4	3416.6	3365.8
52.5°	3667.2	3674.2	3684.8	3698.9	3733.5	3769.5	3820.3	3874.6	3917.7	3911.3	3853.5
55°	3830.9	3839.4	3857.0	3905.7	3967.9	4062.4	4177.5	4303.8	4402.6	4450.8	4408.3
57.5°	3886.0	3892.3	3940.3	3999.0	4095.5	4236.1	4428.8	4646.8	4836.8	4957.5	4938.4
60°	3873.3	3873.3	3922.0	4002.4	4138.0	4324.4	4596.8	4898.9	5189.7	5370.5	5343.6
62.5°	3739.9	3746.9	3816.8	3913.6	4077.3	4300.3	4625.1	5011.2	5359.2	5583.6	5561.8
65°	3447.7	3452.5	3528.1	3643.1	3825.9	4089.9	4445.0	4872.7	5271.7	5487.6	5446.6
67.5°	2975.3	2980.3	3041.7	3171.6	3365.0	3641.0	4024.2	4495.1	4885.5	5056.4	4933.5
70°	2366.8	2380.9	2420.5	2558.1	2705.0	2975.3	3328.3	3799.2	4167.7	4329.3	4193.8
72.5°	1613.0	1648.9	1697.0	1819.2	1959.6	2184.0	2465.0	2861.7	3157.5	3344.5	3223.8
75°	908.4	959.4	974.1	1066.6	1182.4	1359.6	1565.0	1849.5	2148.0	2299.9	2154.4
77.5°	392.5	434.1	452.4	495.5	585.9	660.1	785.0	977.0	1207.8	1314.4	1140.0
80°	193.4	203.3	211.0	224.5	249.8	273.9	333.2	417.2	511.8	535.9	426.3
82.5°	149.6	156.7	170.2	180.7	187.0	193.4	199.1	210.4	219.5	224.5	211.8
85°	105.2	114.4	129.1	141.1	148.2	153.2	158.1	161.7	153.2	139.7	146.8
87.5°	27.6	36.1	50.2	54.3	61.3	64.9	63.5	65.7	59.3	43.1	48.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	906.3	906.3	906.3	906.3	906.3	906.3	906.3	906.3
2.5°	911.3	910.6	911.3	911.3	911.3	910.7	910.7	910.6
5°	927.6	927.5	928.3	926.8	926.8	927.6	926.8	926.1
7.5°	955.0	954.4	954.4	953.6	954.4	953.6	953.7	953.0
10°	991.7	990.4	991.1	989.0	989.0	988.2	988.2	988.3
12.5°	1031.3	1029.2	1029.8	1027.8	1024.2	1025.0	1025.7	1025.0
15°	1069.4	1067.4	1065.2	1063.8	1061.7	1062.4	1062.4	1061.7
17.5°	1108.3	1104.0	1103.3	1101.1	1100.5	1100.5	1100.5	1101.2
20°	1148.5	1145.7	1145.0	1142.8	1142.2	1144.2	1144.9	1143.5
22.5°	1191.5	1190.2	1191.5	1190.2	1192.3	1193.7	1194.4	1193.0
25°	1245.9	1244.6	1246.6	1251.6	1254.4	1255.8	1259.3	1257.9
27.5°	1315.9	1314.4	1319.4	1326.4	1330.6	1337.6	1341.1	1342.6
30°	1406.1	1412.4	1415.3	1429.4	1432.2	1443.5	1443.5	1448.5
32.5°	1537.4	1549.4	1570.6	1592.5	1622.9	1644.8	1644.7	1656.1
35°	1825.5	1830.4	1846.6	1850.2	1856.6	1863.5	1856.6	1862.2
37.5°	2046.4	2024.5	2008.9	1987.2	1973.7	1973.7	1975.1	1973.7
40°	2159.4	2150.9	2143.8	2125.4	2122.6	2121.9	2122.0	2124.8
42.5°	2361.2	2340.7	2329.5	2314.0	2309.0	2307.6	2306.8	2308.3
45°	2623.8	2590.7	2560.2	2544.7	2531.4	2518.7	2522.9	2522.9
47.5°	2929.5	2877.9	2828.5	2801.7	2778.4	2767.9	2760.8	2758.7
50°	3301.5	3229.4	3165.9	3115.9	3081.9	3081.2	3084.8	3062.2
52.5°	3757.5	3643.8	3564.8	3497.0	3465.3	3461.8	3450.4	3437.7
55°	4262.9	4128.1	3997.5	3924.8	3883.1	3860.5	3847.2	3825.9
57.5°	4783.8	4602.5	4414.7	4298.2	4224.8	4174.0	4147.2	4135.1
60°	5185.5	4937.8	4689.9	4502.9	4380.7	4305.3	4258.7	4239.6
62.5°	5343.6	5007.7	4689.9	4444.4	4267.9	4163.3	4100.5	4073.1
65°	5155.1	4757.0	4395.6	4124.6	3927.7	3811.2	3742.6	3713.1
67.5°	4628.6	4277.1	3883.9	3614.2	3411.6	3296.6	3222.4	3200.5
70°	3880.3	3521.0	3145.5	2904.8	2724.0	2630.2	2553.2	2544.0
72.5°	2916.1	2606.2	2284.2	2085.2	1939.8	1784.5	1745.0	1764.8
75°	1869.2	1579.1	1292.4	1113.2	980.4	832.3	775.1	789.2
77.5°	885.2	685.4	494.9	382.6	321.2	274.6	262.6	255.5
80°	328.3	266.1	235.0	223.1	214.5	206.8	201.2	194.8
82.5°	212.4	207.5	201.1	199.1	192.7	182.9	164.6	156.7
85°	158.8	158.8	150.4	151.1	146.1	133.5	116.5	107.3
87.5°	46.6	41.7	38.1	35.2	34.6	31.1	22.6	19.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)