

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: P147153

Luminaire Tested: **VXM-F06-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147153
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: VXM-F06-LED-E1-5MQ-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13476.7 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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

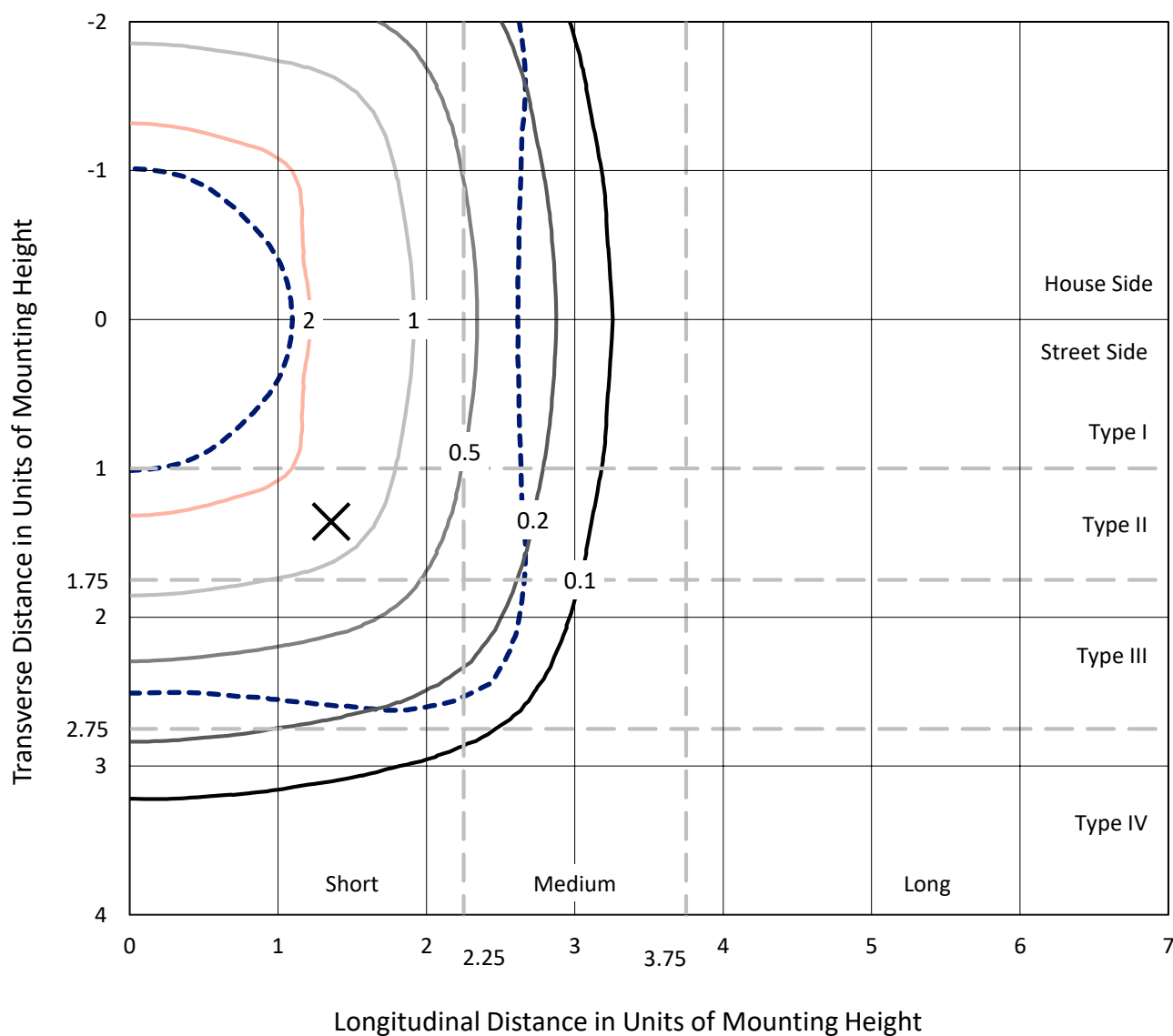


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

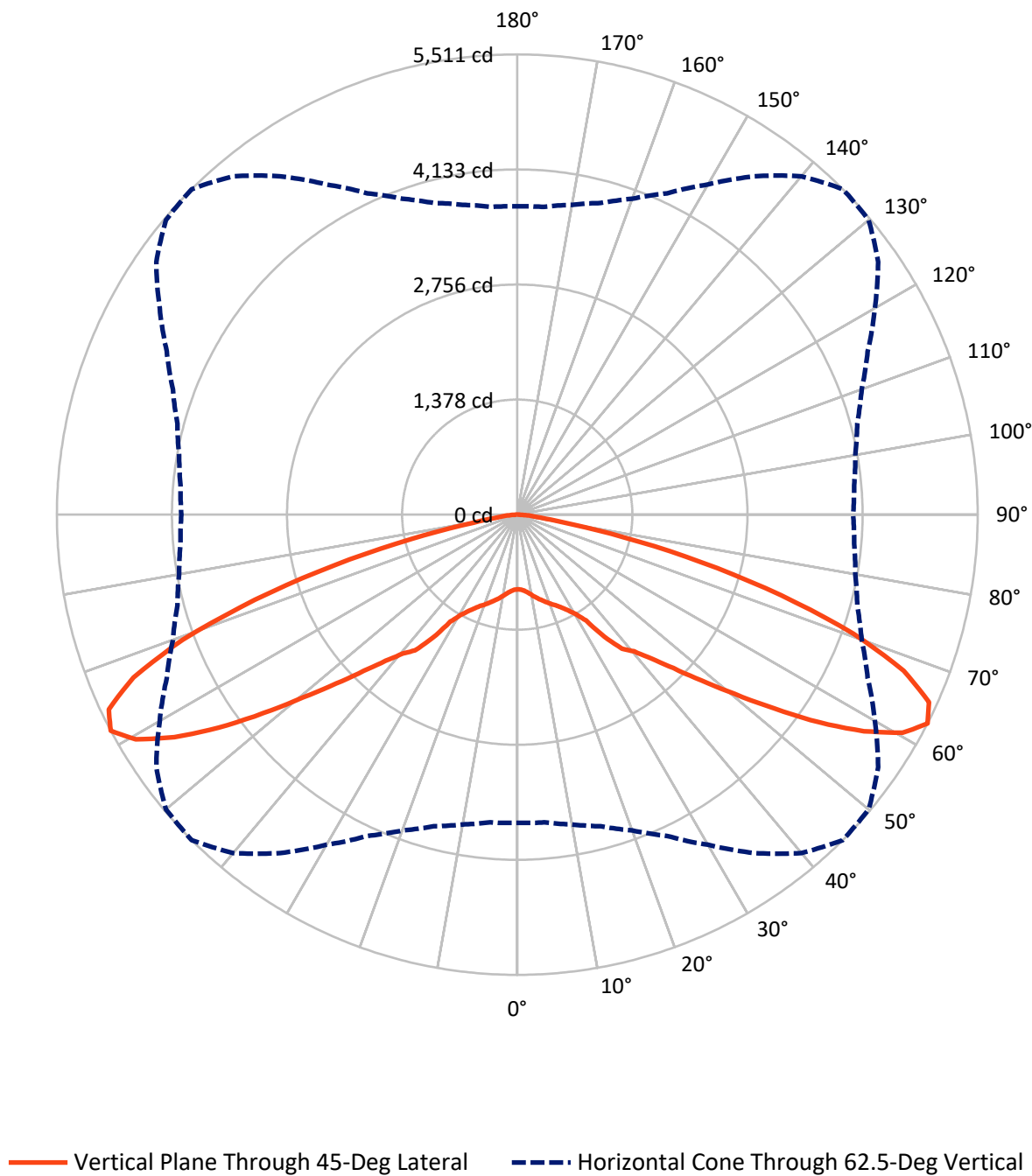


Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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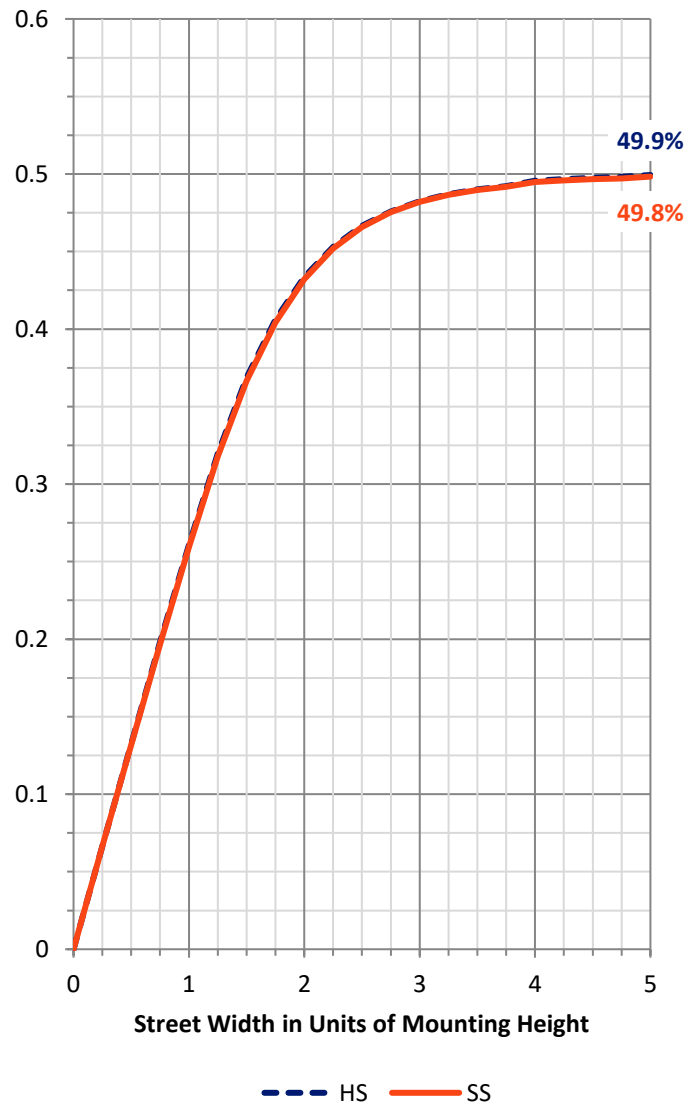
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6738.3	0.0	6738.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6738.3	0.0	6738.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13476.7	0.0	13476.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	0.7
10°-20°	303.1	2.2
20°-30°	586.0	4.3
30°-40°	1134.5	8.4
40°-50°	2048.5	15.2
50°-60°	3562.0	26.4
60°-70°	4043.8	30.0
70°-80°	1567.8	11.6
80°-90°	141.4	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°	13476.7	100.0
0°-180°	13476.7	100.0

Coefficient of Utilization



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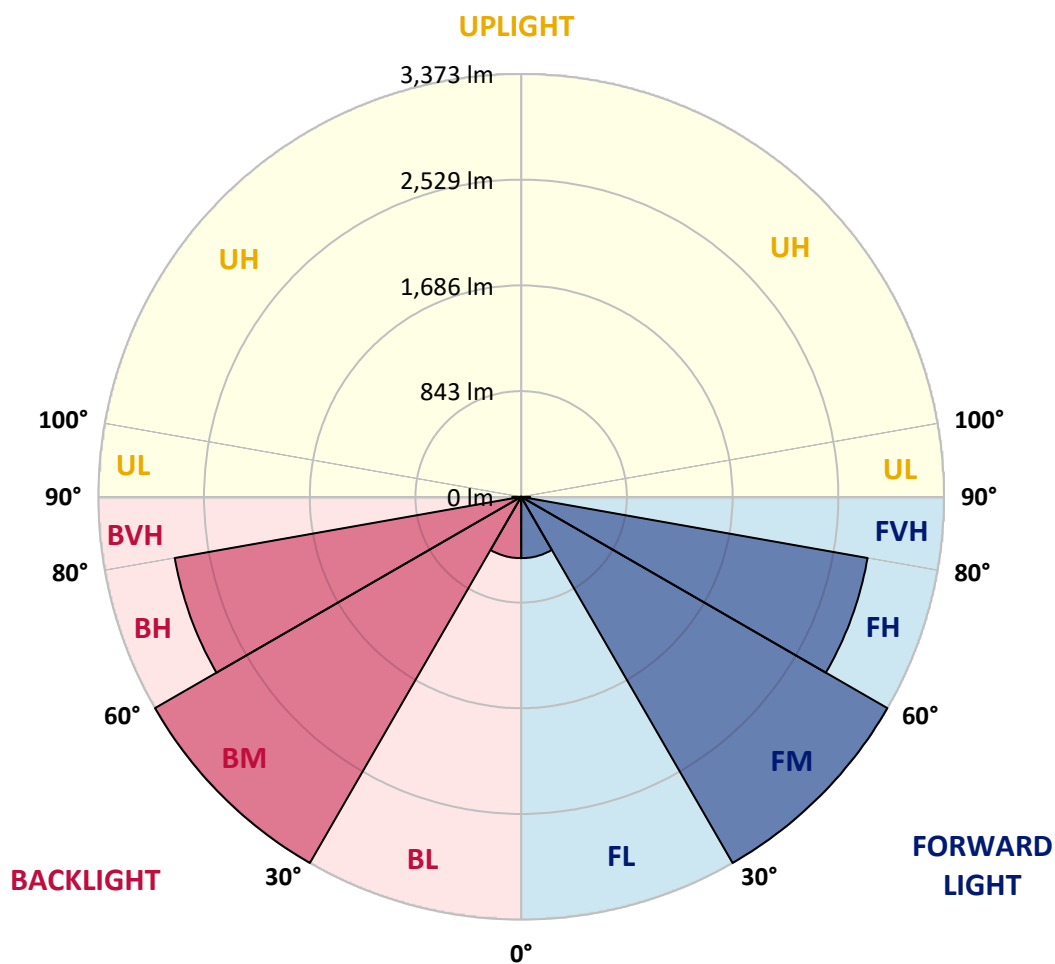
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.3	3.6			
FM	(30°-60°)	3372.5	25.0			
FH	(60°-80°)	2805.8	20.8			G2/5000
FVH	(80°-90°)	70.7	0.5			G1/100
BL	(0°-30°)	489.3	3.6	B1/500		
BM	(30°-60°)	3372.5	25.0	B3/5000		
BH	(60°-80°)	2805.8	20.8	B4/5000		G2/5000
BVH	(80°-90°)	70.7	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°	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6
2.5°	900.2	903.0	902.2	900.8	900.8	900.9	900.2	898.1	897.4	898.8	900.2
5°	921.0	921.0	921.0	921.0	919.7	919.7	918.3	916.9	917.6	916.2	915.5
7.5°	953.2	951.0	951.0	950.4	950.4	949.0	946.8	944.0	944.8	944.1	943.4
10°	990.8	991.4	989.4	991.4	988.0	987.3	984.5	983.1	982.4	980.4	980.3
12.5°	1036.0	1034.0	1034.0	1032.6	1031.2	1029.8	1025.6	1024.9	1022.1	1020.8	1018.6
15°	1078.6	1077.8	1075.1	1072.3	1071.6	1070.2	1065.3	1062.6	1061.8	1058.4	1055.6
17.5°	1121.0	1119.6	1116.2	1114.8	1112.0	1109.9	1105.8	1101.6	1099.4	1098.0	1094.6
20°	1166.4	1164.9	1161.5	1158.7	1155.2	1152.4	1146.2	1142.6	1140.6	1138.5	1135.7
22.5°	1222.8	1219.9	1214.4	1209.6	1201.8	1199.1	1190.7	1185.8	1182.4	1179.6	1178.2
25°	1284.0	1284.8	1277.2	1270.8	1261.8	1254.1	1243.6	1238.1	1234.6	1231.8	1231.2
27.5°	1360.7	1361.4	1354.4	1345.4	1331.4	1323.1	1309.2	1302.2	1300.1	1297.4	1296.6
30°	1481.9	1475.7	1463.9	1449.2	1436.6	1418.6	1398.4	1391.4	1384.4	1382.4	1382.3
32.5°	1704.9	1701.4	1691.6	1655.4	1638.8	1601.1	1565.6	1545.4	1522.4	1511.2	1504.2
35°	1861.0	1859.6	1851.9	1839.4	1829.0	1821.2	1800.4	1796.9	1792.7	1792.7	1798.3
37.5°	1976.0	1967.6	1966.2	1968.2	1965.5	1966.9	1983.6	2006.6	2026.2	2035.8	2034.5
40°	2146.0	2134.1	2141.1	2136.2	2129.9	2128.6	2134.1	2143.1	2152.2	2152.2	2150.1
42.5°	2368.2	2373.8	2376.6	2356.4	2343.1	2339.6	2352.8	2350.0	2359.2	2355.6	2346.6
45°	2698.4	2695.0	2690.1	2665.7	2644.8	2628.1	2631.6	2626.7	2627.4	2621.8	2614.9
47.5°	3031.5	3043.4	3023.2	3011.3	2987.6	2975.8	2985.6	2977.1	2993.2	2964.0	2950.0
50°	3354.8	3363.2	3356.2	3339.4	3339.4	3356.2	3368.0	3383.4	3405.6	3372.2	3322.0
52.5°	3619.6	3626.5	3637.0	3650.9	3685.0	3720.6	3770.7	3824.4	3866.9	3860.6	3803.4
55°	3781.2	3789.6	3807.0	3855.0	3916.4	4009.8	4123.3	4248.0	4345.5	4392.9	4351.1
57.5°	3835.6	3841.8	3889.2	3947.0	4042.4	4181.1	4371.3	4586.6	4774.0	4893.2	4874.4
60°	3823.0	3823.0	3871.0	3950.5	4084.2	4268.2	4537.1	4835.4	5122.4	5300.8	5274.3
62.5°	3691.3	3698.3	3767.2	3862.7	4024.4	4244.5	4565.0	4946.2	5289.6	5511.2	5489.6
65°	3402.8	3407.8	3482.2	3595.8	3776.3	4036.8	4387.4	4809.6	5203.2	5416.5	5376.0
67.5°	2936.8	2941.6	3002.2	3130.4	3321.3	3593.8	3972.0	4436.8	4822.1	4990.7	4869.5
70°	2336.2	2350.0	2389.1	2525.0	2669.9	2936.8	3285.1	3749.8	4113.6	4273.0	4139.3
72.5°	1592.0	1627.6	1675.0	1795.5	1934.1	2155.7	2433.0	2824.6	3116.5	3301.1	3182.0
75°	896.7	946.8	961.5	1052.8	1167.0	1341.9	1544.6	1825.4	2120.1	2270.0	2126.4
77.5°	387.4	428.4	446.6	489.1	578.2	651.4	774.8	964.2	1192.1	1297.4	1125.2
80°	190.9	200.7	208.4	221.6	246.6	270.4	328.8	411.8	505.1	528.8	420.8
82.5°	147.7	154.7	167.9	178.4	184.6	190.9	196.5	207.6	216.7	221.6	209.0
85°	103.8	112.8	127.5	139.4	146.4	151.2	156.0	159.6	151.2	138.0	145.0
87.5°	27.2	35.6	49.5	53.6	60.6	64.1	62.7	64.8	58.5	42.5	47.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	894.6	894.6	894.6	894.6	894.6	894.6	894.6	894.6
2.5°	899.5	898.8	899.4	899.4	899.4	898.8	898.8	898.8
5°	915.6	915.5	916.2	914.8	914.8	915.6	914.8	914.1
7.5°	942.7	942.0	942.0	941.3	942.0	941.3	941.3	940.6
10°	978.9	977.5	978.2	976.2	976.1	975.4	975.4	975.4
12.5°	1017.9	1015.8	1016.6	1014.4	1011.0	1011.6	1012.4	1011.7
15°	1055.6	1053.4	1051.4	1050.0	1047.9	1048.6	1048.6	1047.9
17.5°	1093.9	1089.7	1089.0	1086.9	1086.2	1086.2	1086.2	1086.9
20°	1133.6	1130.8	1130.1	1128.0	1127.3	1129.4	1130.1	1128.7
22.5°	1176.1	1174.7	1176.0	1174.7	1176.8	1178.2	1178.9	1177.5
25°	1229.8	1228.3	1230.4	1235.3	1238.1	1239.5	1243.0	1241.6
27.5°	1298.7	1297.4	1302.2	1309.2	1313.4	1320.3	1323.8	1325.2
30°	1387.9	1394.2	1397.0	1410.9	1413.6	1424.8	1424.8	1429.7
32.5°	1517.5	1529.3	1550.2	1571.8	1601.8	1623.4	1623.4	1634.5
35°	1801.8	1806.6	1822.6	1826.2	1832.4	1839.4	1832.4	1838.0
37.5°	2019.8	1998.2	1983.0	1961.3	1948.1	1948.0	1949.5	1948.1
40°	2131.3	2123.0	2116.0	2097.9	2095.0	2094.4	2094.4	2097.2
42.5°	2330.6	2310.4	2299.2	2283.9	2279.0	2277.6	2277.0	2278.3
45°	2589.8	2557.0	2527.0	2511.8	2498.5	2486.0	2490.1	2490.1
47.5°	2891.4	2840.6	2791.8	2765.3	2742.4	2731.9	2724.9	2722.8
50°	3258.6	3187.6	3124.8	3075.4	3042.0	3041.2	3044.8	3022.4
52.5°	3708.7	3596.6	3518.6	3451.6	3420.2	3416.8	3405.6	3393.1
55°	4207.6	4074.5	3945.6	3873.8	3832.8	3810.4	3797.2	3776.3
57.5°	4721.8	4542.7	4357.4	4242.4	4170.0	4119.8	4093.4	4081.5
60°	5118.2	4873.6	4629.1	4444.4	4324.0	4249.4	4203.4	4184.6
62.5°	5274.2	4942.6	4629.1	4386.6	4212.4	4109.4	4047.4	4020.2
65°	5088.2	4695.3	4338.6	4071.0	3876.6	3761.7	3694.1	3664.8
67.5°	4568.5	4221.5	3833.4	3567.2	3367.3	3253.8	3180.6	3159.0
70°	3830.0	3475.3	3104.6	2867.0	2688.7	2596.0	2520.1	2511.0
72.5°	2878.2	2572.4	2254.6	2058.2	1914.6	1761.4	1722.4	1741.8
75°	1845.0	1558.6	1275.8	1098.8	967.8	821.4	765.0	779.0
77.5°	873.7	676.6	488.4	377.6	317.0	271.0	259.2	252.2
80°	324.0	262.6	232.0	220.2	211.8	204.1	198.6	192.3
82.5°	209.8	204.8	198.6	196.5	190.2	180.4	162.3	154.7
85°	156.8	156.8	148.4	149.1	144.2	131.7	115.0	105.9
87.5°	46.0	41.1	37.6	34.8	34.2	30.6	22.3	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)