

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: P147198

Luminaire Tested: **VXS-E05-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147198
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-8030
Description: VISION SITE SMALL LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (105) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13604.1 lumens
Efficiency: N/A
Efficacy: 106.9 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

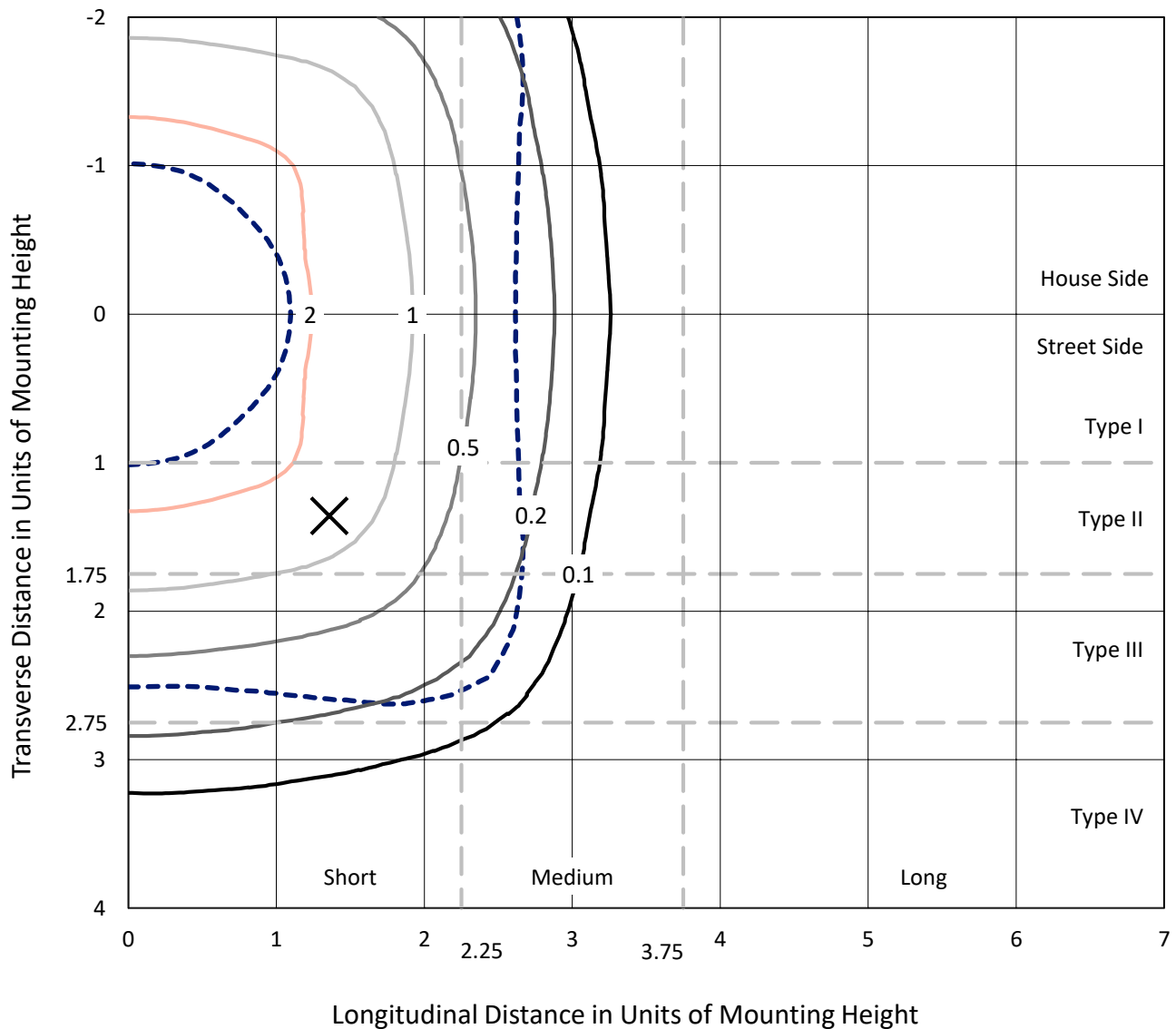


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

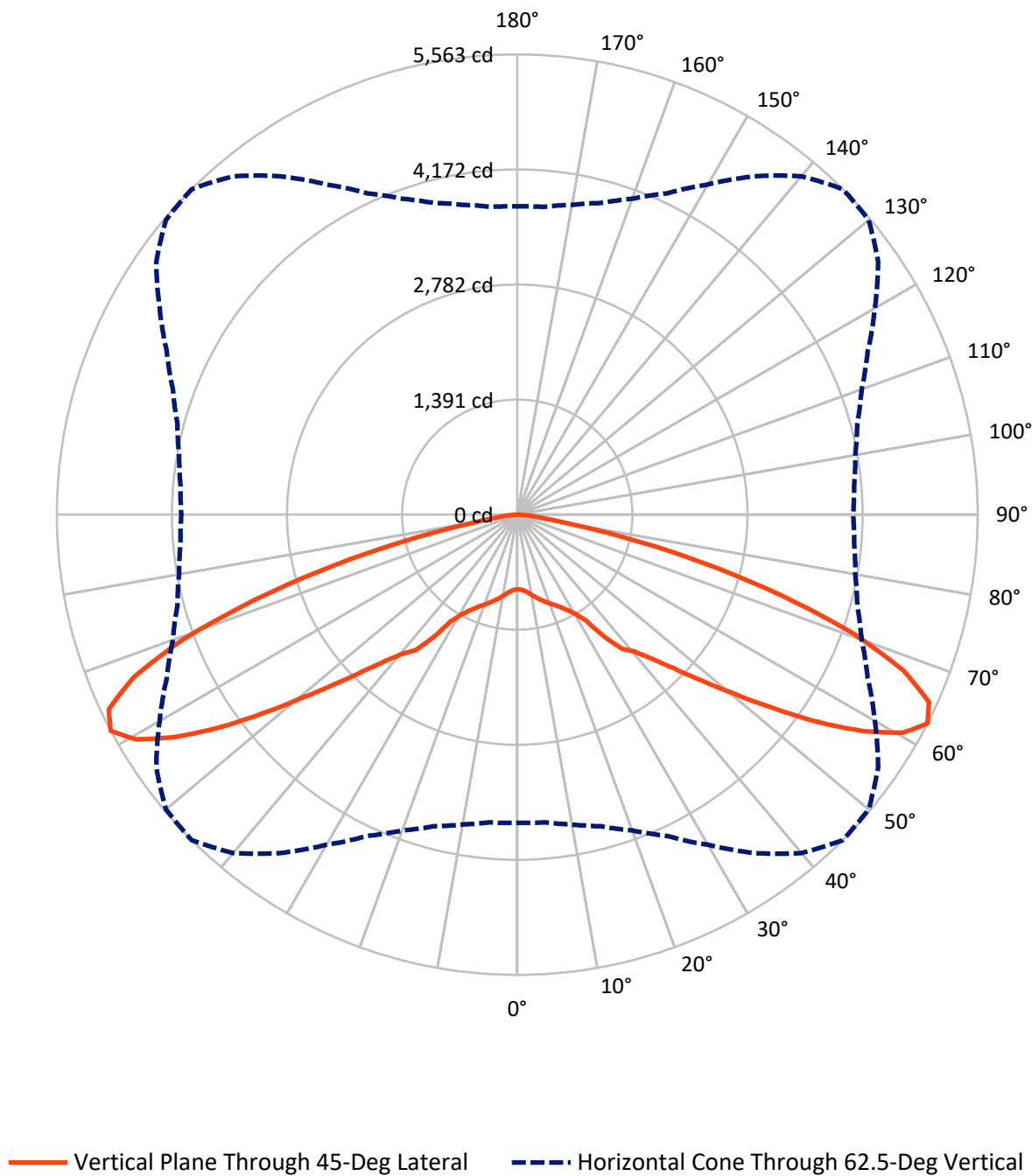


Based on 20 foot mounting height. Maximum calculated value = 2.6 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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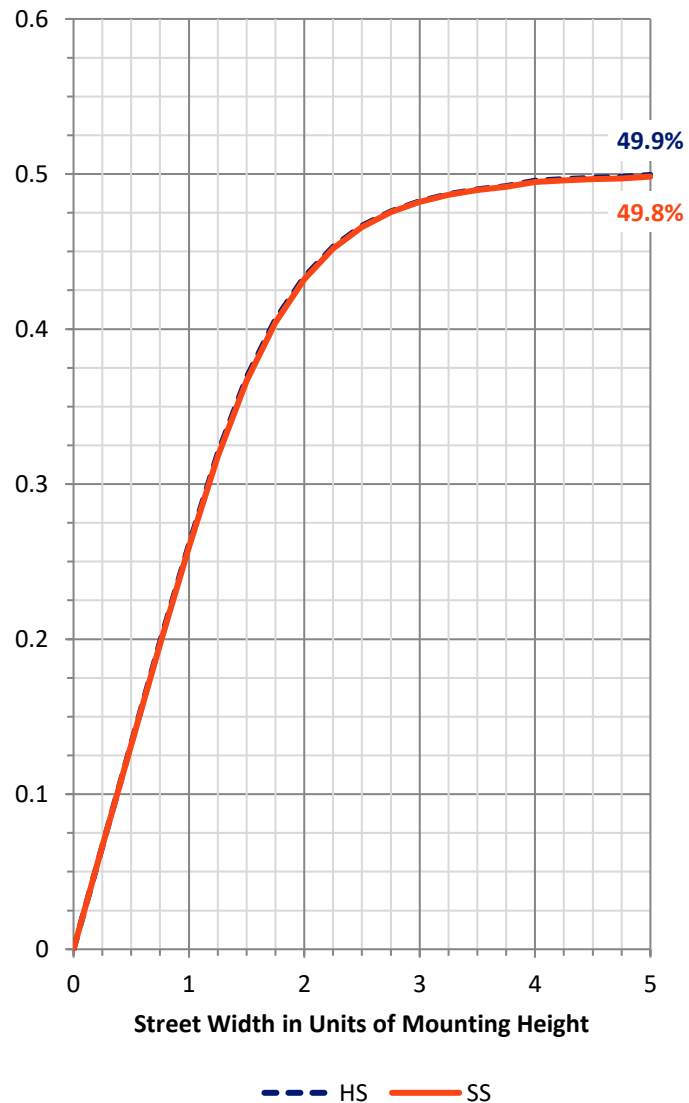
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6802.1	0.0	6802.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6802.1	0.0	6802.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13604.1	0.0	13604.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	0.7
10°-20°	305.9	2.2
20°-30°	591.5	4.3
30°-40°	1145.2	8.4
40°-50°	2067.9	15.2
50°-60°	3595.7	26.4
60°-70°	4082.1	30.0
70°-80°	1582.6	11.6
80°-90°	142.8	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°	13604.1	100.0
0°-180°	13604.1	100.0

Coefficient of Utilization



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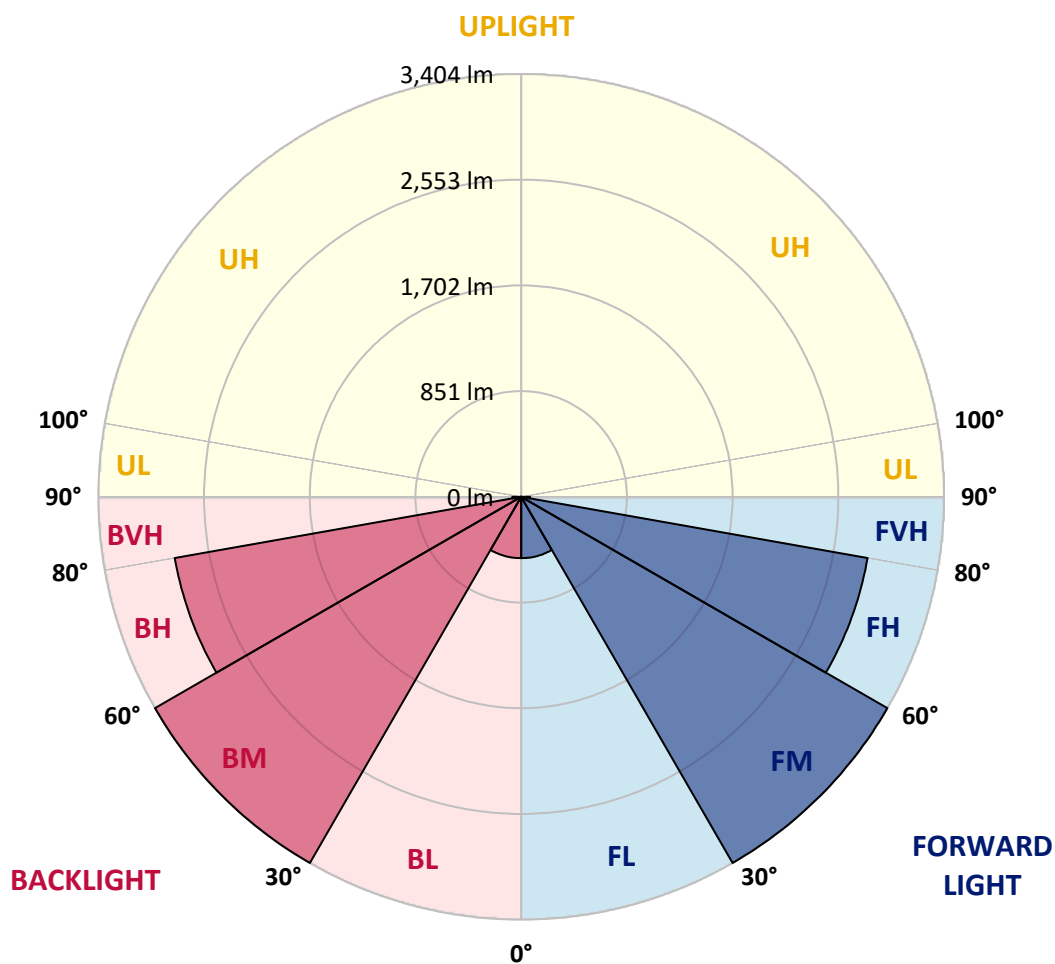
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	494.0	3.6			
FM	(30°-60°)	3404.4	25.0			
FH	(60°-80°)	2832.3	20.8			G2/5000
FVH	(80°-90°)	71.4	0.5			G1/100
BL	(0°-30°)	494.0	3.6	B1/500		
BM	(30°-60°)	3404.4	25.0	B3/5000		
BH	(60°-80°)	2832.3	20.8	B4/5000		G2/5000
BVH	(80°-90°)	71.4	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°	903.1	903.1	903.1	903.1	903.1	903.1	903.1	903.1	903.1	903.1	903.1
2.5°	908.7	911.5	910.9	909.4	909.4	909.4	908.7	906.5	905.9	907.4	908.7
5°	929.7	929.7	929.7	929.7	928.4	928.4	927.0	925.6	926.2	924.9	924.1
7.5°	962.2	960.0	960.0	959.4	959.4	957.9	955.9	953.0	953.8	953.0	952.3
10°	1000.2	1000.8	998.8	1000.8	997.3	996.6	993.8	992.4	991.7	989.6	989.6
12.5°	1045.8	1043.7	1043.7	1042.3	1040.9	1039.5	1035.2	1034.6	1031.7	1030.4	1028.2
15°	1088.7	1088.1	1085.2	1082.4	1081.7	1080.3	1075.4	1072.6	1071.9	1068.3	1065.5
17.5°	1131.7	1130.3	1126.7	1125.3	1122.5	1120.4	1116.3	1111.9	1109.9	1108.4	1104.9
20°	1177.4	1176.0	1172.4	1169.6	1166.1	1163.3	1157.0	1153.5	1151.4	1149.2	1146.4
22.5°	1234.3	1231.5	1225.9	1220.9	1213.3	1210.5	1202.0	1197.1	1193.6	1190.8	1189.3
25°	1296.3	1297.0	1289.2	1282.9	1273.8	1265.9	1255.4	1249.7	1246.2	1243.5	1242.8
27.5°	1373.6	1374.3	1367.3	1358.1	1344.0	1335.6	1321.6	1314.5	1312.3	1309.6	1308.9
30°	1496.0	1489.6	1477.7	1462.9	1450.3	1431.9	1411.6	1404.6	1397.5	1395.4	1395.4
32.5°	1721.0	1717.5	1707.7	1671.1	1654.3	1616.3	1580.3	1560.0	1536.8	1525.5	1518.5
35°	1878.5	1877.2	1869.4	1856.8	1846.2	1838.5	1817.4	1813.9	1809.6	1809.7	1815.3
37.5°	1994.6	1986.1	1984.8	1986.9	1984.0	1985.5	2002.3	2025.6	2045.2	2055.1	2053.7
40°	2166.2	2154.3	2161.3	2156.5	2150.1	2148.6	2154.3	2163.4	2172.6	2172.6	2170.5
42.5°	2390.7	2396.3	2399.1	2378.7	2365.3	2361.8	2375.1	2372.2	2381.6	2378.0	2368.7
45°	2723.9	2720.4	2715.5	2691.0	2669.8	2653.0	2656.5	2651.6	2652.2	2646.6	2639.6
47.5°	3060.2	3072.1	3051.8	3039.8	3015.9	3003.9	3013.7	3005.4	3021.6	2991.9	2977.8
50°	3386.5	3395.0	3388.0	3371.0	3371.0	3388.0	3399.9	3415.3	3437.9	3404.1	3353.5
52.5°	3653.8	3660.8	3671.3	3685.4	3719.9	3755.8	3806.4	3860.5	3903.4	3897.1	3839.4
55°	3817.0	3825.4	3843.0	3891.5	3953.4	4047.7	4162.3	4288.1	4386.6	4434.4	4392.2
57.5°	3871.8	3878.1	3926.0	3984.4	4080.6	4220.7	4412.6	4630.1	4819.2	4939.5	4920.4
60°	3859.1	3859.2	3907.7	3987.8	4122.9	4308.6	4580.1	4881.0	5170.8	5350.9	5324.1
62.5°	3726.2	3733.3	3802.9	3899.3	4062.4	4284.7	4608.2	4993.0	5339.7	5563.3	5541.5
65°	3435.0	3440.0	3515.2	3629.8	3812.0	4075.0	4428.8	4855.1	5252.4	5467.6	5426.8
67.5°	2964.6	2969.4	3030.7	3160.0	3352.7	3627.8	4009.6	4478.8	4867.7	5037.9	4915.5
70°	2358.2	2372.3	2411.7	2548.8	2695.1	2964.6	3316.2	3785.3	4152.4	4313.5	4178.4
72.5°	1607.2	1642.9	1690.8	1812.4	1952.4	2176.1	2456.0	2851.3	3145.9	3332.4	3212.0
75°	905.2	955.9	970.6	1062.8	1178.0	1354.6	1559.3	1842.7	2140.3	2291.4	2146.5
77.5°	391.1	432.5	450.8	493.7	583.7	657.6	782.2	973.5	1203.3	1309.6	1135.9
80°	192.7	202.6	210.4	223.6	249.0	273.0	332.0	415.8	509.9	533.8	424.9
82.5°	149.1	156.2	169.5	180.1	186.3	192.7	198.3	209.5	218.7	223.6	211.0
85°	104.8	114.0	128.7	140.6	147.7	152.5	157.5	161.0	152.6	139.3	146.3
87.5°	27.4	35.9	49.9	54.1	61.1	64.7	63.3	65.4	59.1	42.9	47.9
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°	903.1	903.1	903.1	903.1	903.1	903.1	903.1	903.1
2.5°	908.0	907.4	908.0	908.0	908.0	907.4	907.3	907.3
5°	924.1	924.1	924.9	923.5	923.5	924.1	923.5	922.8
7.5°	951.6	950.9	950.9	950.3	950.9	950.2	950.2	949.5
10°	988.2	986.7	987.5	985.3	985.3	984.7	984.7	984.7
12.5°	1027.6	1025.5	1026.1	1024.0	1020.5	1021.2	1022.0	1021.2
15°	1065.5	1063.4	1061.3	1059.9	1057.8	1058.5	1058.4	1057.8
17.5°	1104.2	1100.0	1099.3	1097.2	1096.5	1096.5	1096.6	1097.2
20°	1144.2	1141.6	1140.7	1138.7	1138.0	1140.1	1140.7	1139.4
22.5°	1187.2	1185.9	1187.2	1185.8	1188.0	1189.3	1190.1	1188.6
25°	1241.3	1240.0	1242.1	1247.0	1249.8	1251.2	1254.7	1253.4
27.5°	1311.1	1309.6	1314.6	1321.6	1325.8	1332.8	1336.4	1337.7
30°	1401.0	1407.3	1410.2	1424.2	1427.0	1438.3	1438.2	1443.2
32.5°	1531.8	1543.8	1565.0	1586.7	1617.0	1638.8	1638.8	1650.1
35°	1818.9	1823.7	1839.9	1843.4	1849.7	1856.8	1849.7	1855.3
37.5°	2039.0	2017.2	2001.7	1979.9	1966.4	1966.4	1967.9	1966.5
40°	2151.5	2143.0	2136.0	2117.7	2114.8	2114.2	2114.2	2117.0
42.5°	2352.5	2332.2	2321.0	2305.5	2300.5	2299.2	2298.4	2299.9
45°	2614.3	2581.1	2550.9	2535.4	2522.1	2509.4	2513.7	2513.7
47.5°	2918.8	2867.5	2818.2	2791.5	2768.3	2757.7	2750.7	2748.6
50°	3289.4	3217.7	3154.4	3104.5	3070.7	3070.1	3073.6	3051.0
52.5°	3743.8	3630.6	3551.8	3484.4	3452.6	3449.1	3437.8	3425.2
55°	4247.4	4113.1	3982.9	3910.5	3869.0	3846.5	3833.2	3812.0
57.5°	4766.4	4585.7	4398.5	4282.5	4209.3	4158.8	4132.0	4120.1
60°	5166.6	4919.8	4673.0	4486.5	4364.8	4289.5	4243.1	4224.1
62.5°	5324.1	4989.4	4673.0	4428.2	4252.2	4148.2	4085.6	4058.2
65°	5136.4	4739.7	4379.7	4109.5	3913.4	3797.3	3729.0	3699.5
67.5°	4611.7	4261.5	3869.6	3601.0	3399.2	3284.6	3210.8	3188.9
70°	3866.1	3508.2	3134.1	2894.2	2714.1	2620.6	2543.9	2534.8
72.5°	2905.5	2596.7	2276.0	2077.6	1932.7	1778.0	1738.7	1758.3
75°	1862.4	1573.4	1287.8	1109.2	976.9	829.2	772.2	786.3
77.5°	882.0	682.9	493.1	381.1	320.0	273.6	261.6	254.6
80°	327.0	265.2	234.2	222.3	213.8	206.1	200.4	194.1
82.5°	211.6	206.7	200.4	198.3	191.9	182.2	163.8	156.2
85°	158.2	158.2	149.8	150.5	145.6	133.0	116.1	106.9
87.5°	46.4	41.5	37.9	35.2	34.4	30.9	22.5	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)