

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: P147148

Luminaire Tested: **VXM-E06-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P147148
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-E06-LED-E1-5MQ-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16325 lumens
Efficiency: N/A
Efficacy: 108.5 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): 150.5
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

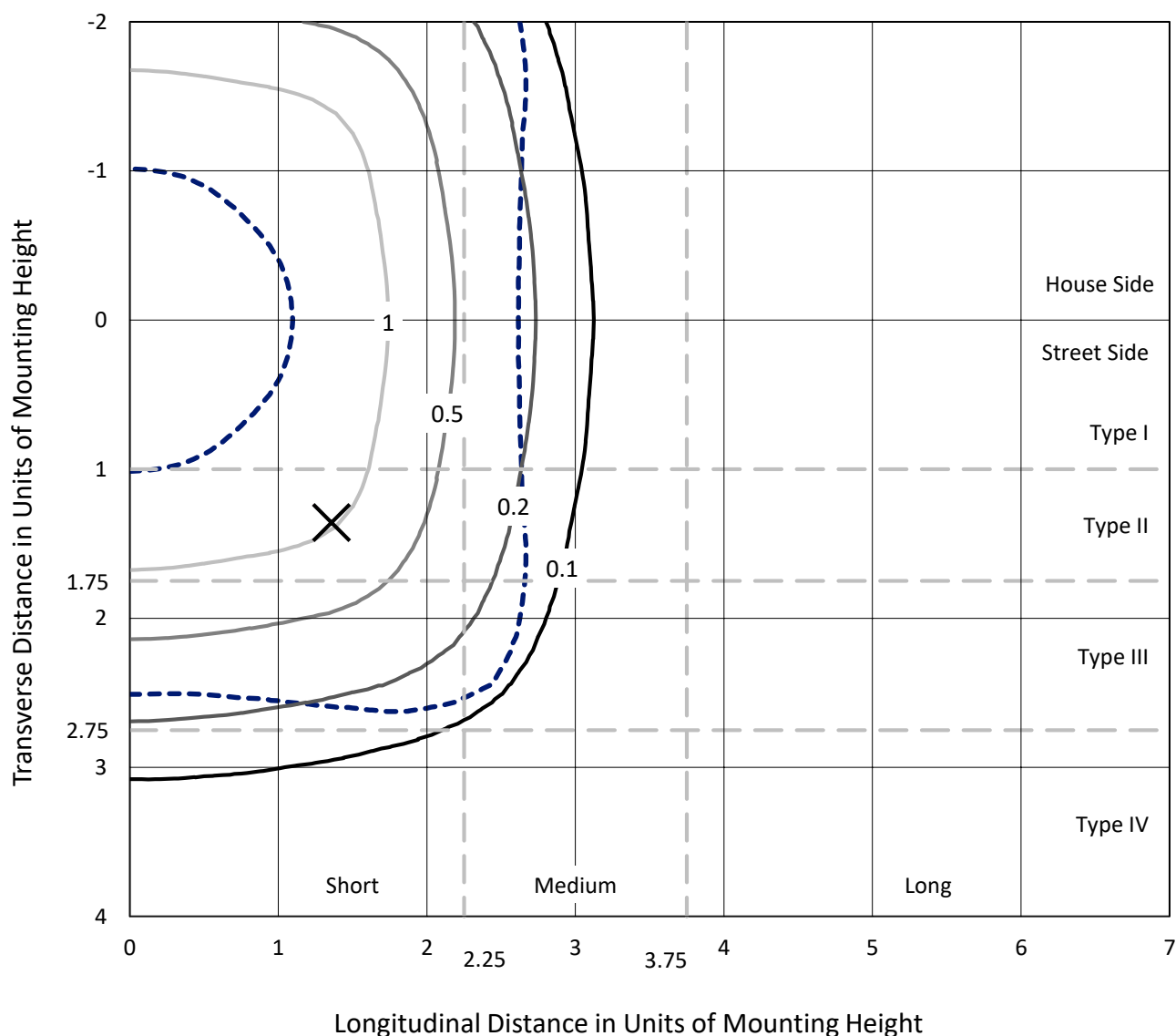


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

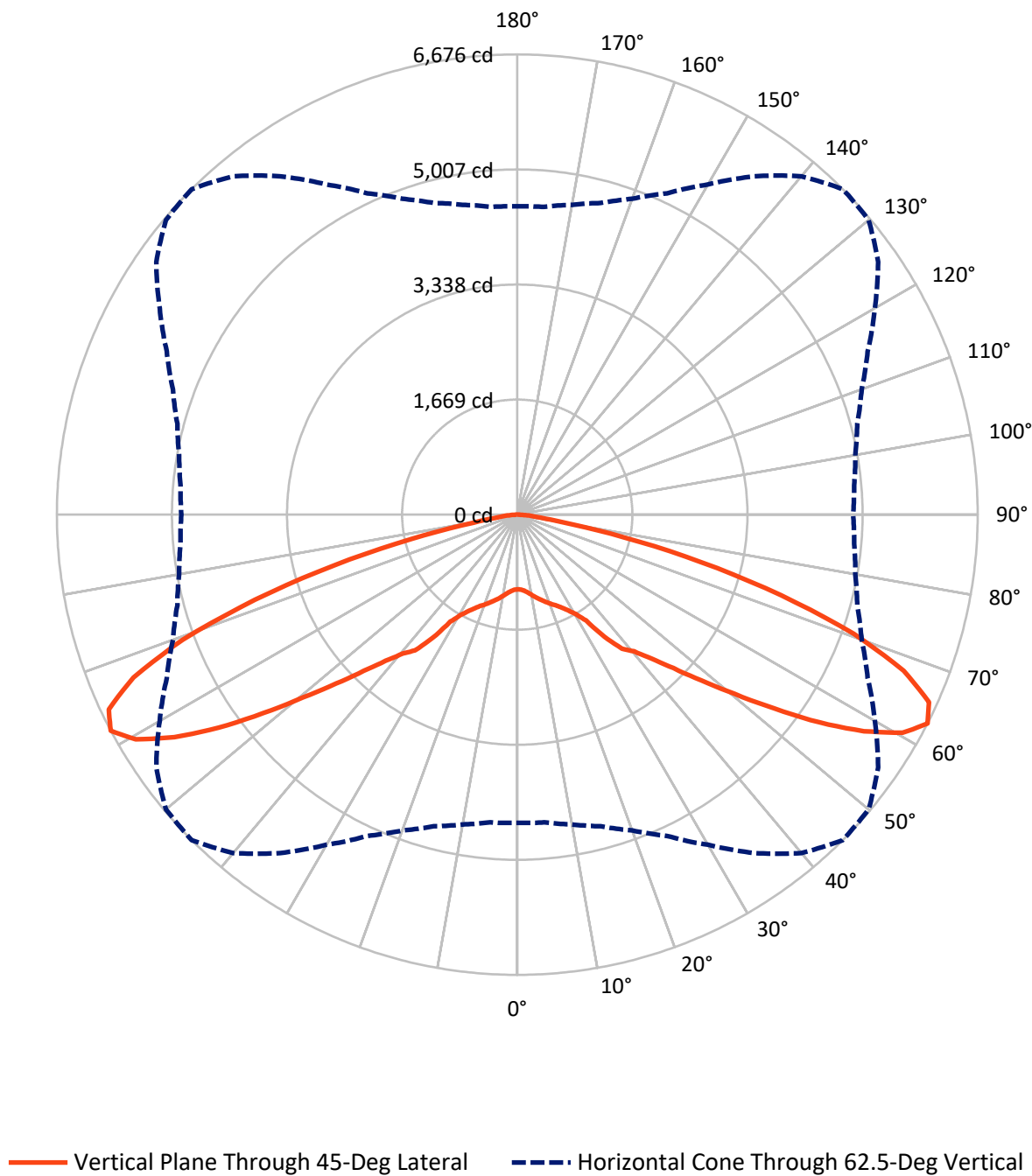


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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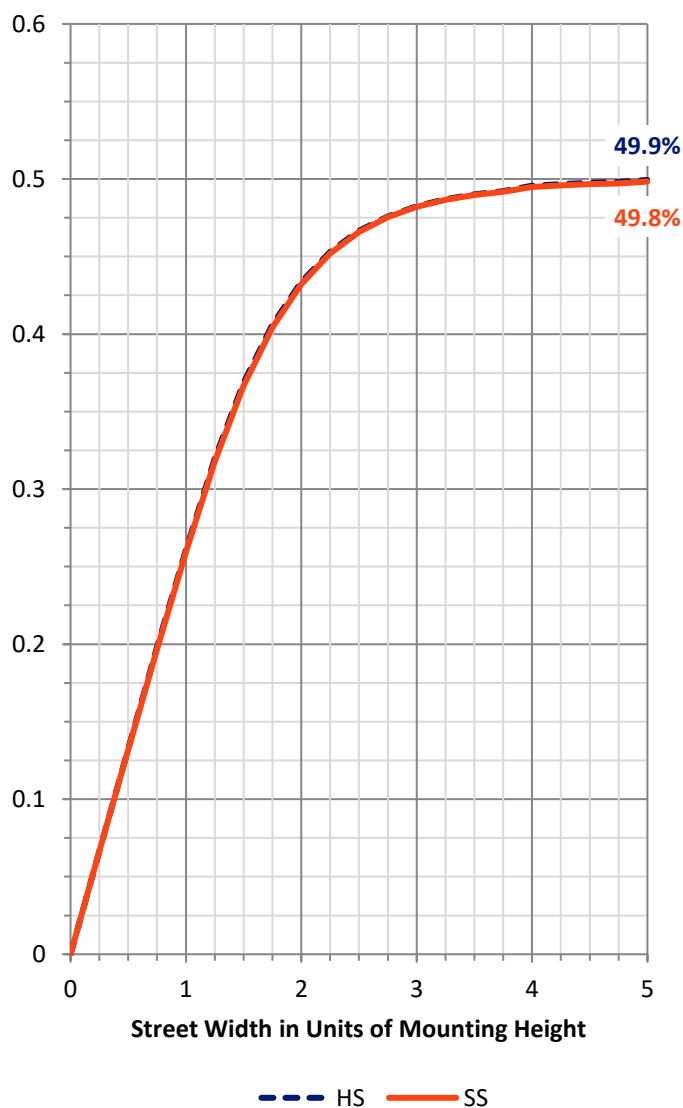
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8162.5	0.0	8162.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8162.5	0.0	8162.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16325.0	0.0	16325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	0.7
10°-20°	367.1	2.2
20°-30°	709.8	4.3
30°-40°	1374.3	8.4
40°-50°	2481.4	15.2
50°-60°	4314.9	26.4
60°-70°	4898.5	30.0
70°-80°	1899.1	11.6
80°-90°	171.3	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°	16325.0	100.0
0°-180°	16325.0	100.0

Coefficient of Utilization



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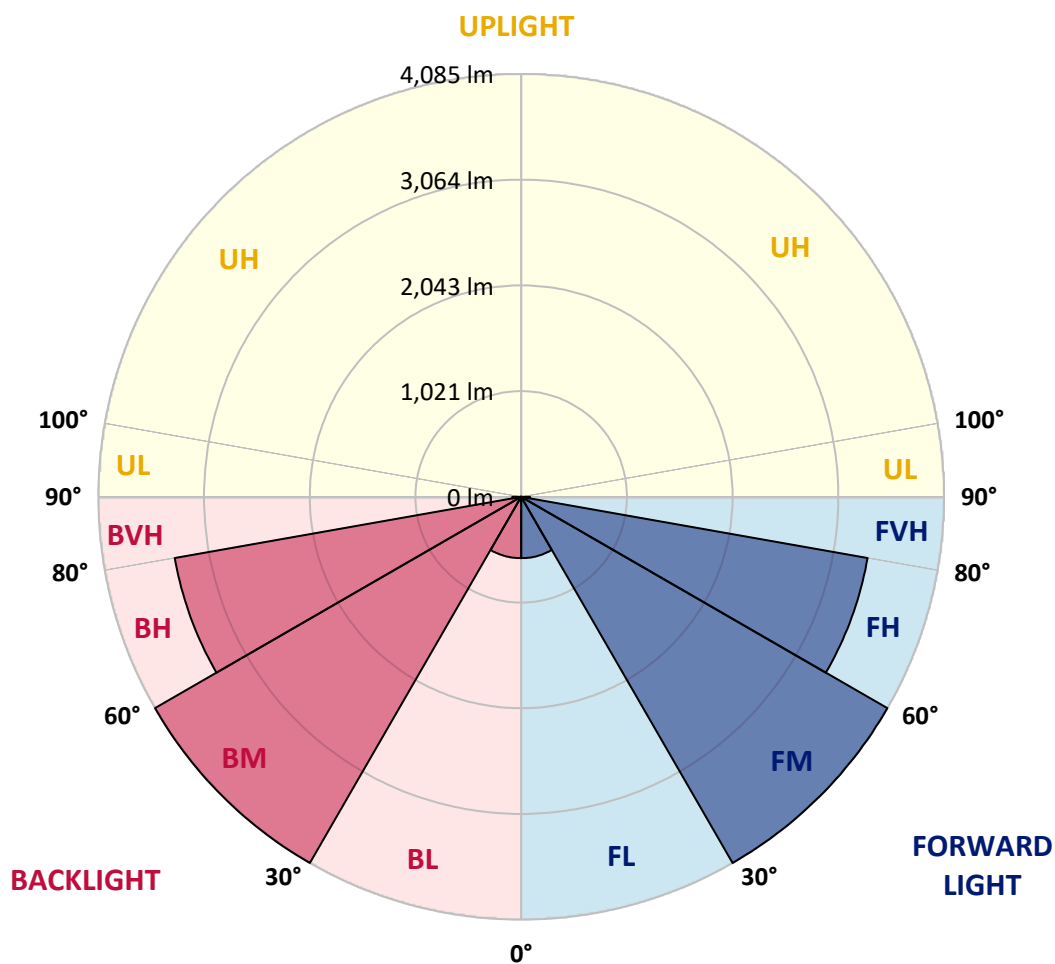
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.7	3.6			
FM	(30°-60°)	4085.3	25.0			
FH	(60°-80°)	3398.8	20.8			G2/5000
FVH	(80°-90°)	85.7	0.5			G1/100
BL	(0°-30°)	592.7	3.6	B2/1000		
BM	(30°-60°)	4085.3	25.0	B3/5000		
BH	(60°-80°)	3398.8	20.8	B4/5000		G2/5000
BVH	(80°-90°)	85.7	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°	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7
2.5°	1090.4	1093.8	1093.0	1091.3	1091.3	1091.3	1090.4	1087.9	1087.1	1088.8	1090.4
5°	1115.8	1115.8	1115.8	1115.8	1114.0	1114.0	1112.4	1110.7	1111.5	1109.8	1109.0
7.5°	1154.6	1152.1	1152.0	1151.2	1151.2	1149.5	1147.0	1143.6	1144.4	1143.6	1142.8
10°	1200.2	1201.0	1198.4	1201.0	1196.8	1196.0	1192.6	1190.9	1190.0	1187.5	1187.5
12.5°	1255.0	1252.4	1252.5	1250.8	1249.1	1247.4	1242.4	1241.5	1238.2	1236.4	1233.9
15°	1306.5	1305.6	1302.2	1298.9	1298.0	1296.4	1290.4	1287.0	1286.2	1282.0	1278.6
17.5°	1358.0	1356.3	1352.1	1350.4	1347.0	1344.4	1339.4	1334.4	1331.8	1330.1	1325.9
20°	1412.8	1411.1	1406.9	1403.6	1399.4	1396.0	1388.4	1384.2	1381.6	1379.1	1375.7
22.5°	1481.2	1477.8	1471.1	1465.2	1455.8	1452.5	1442.4	1436.5	1432.2	1428.8	1427.2
25°	1555.5	1556.4	1547.1	1539.4	1528.4	1519.2	1506.5	1499.8	1495.6	1492.2	1491.4
27.5°	1648.3	1649.2	1640.7	1629.7	1612.8	1602.7	1585.8	1577.4	1574.9	1571.5	1570.6
30°	1795.2	1787.6	1773.2	1755.5	1740.3	1718.4	1693.9	1685.4	1677.0	1674.4	1674.4
32.5°	2065.2	2061.0	2049.2	2005.4	1985.0	1939.5	1896.4	1872.0	1844.2	1830.6	1822.2
35°	2254.3	2252.6	2243.4	2228.2	2215.4	2206.2	2180.8	2176.6	2171.6	2171.6	2178.4
37.5°	2393.6	2383.4	2381.8	2384.2	2380.9	2382.6	2402.8	2430.7	2454.4	2466.2	2464.4
40°	2599.5	2585.2	2593.6	2587.6	2580.0	2578.4	2585.1	2596.2	2607.1	2607.1	2604.6
42.5°	2868.8	2875.4	2878.9	2854.4	2838.4	2834.1	2850.2	2846.8	2857.8	2853.5	2842.6
45°	3268.8	3264.6	3258.6	3229.1	3203.8	3183.5	3187.8	3181.9	3182.6	3176.0	3167.5
47.5°	3672.2	3686.6	3662.1	3647.8	3619.0	3604.6	3616.5	3606.4	3625.8	3590.4	3573.4
50°	4063.8	4074.0	4065.6	4045.2	4045.2	4065.5	4079.8	4098.4	4125.4	4085.0	4024.2
52.5°	4384.5	4393.0	4405.6	4422.5	4463.8	4506.9	4567.7	4632.6	4684.2	4676.6	4607.4
55°	4580.4	4590.4	4611.6	4669.8	4744.1	4857.2	4994.8	5145.8	5264.0	5321.4	5270.7
57.5°	4646.2	4653.8	4711.2	4781.2	4896.8	5064.8	5295.2	5556.0	5783.0	5927.4	5904.5
60°	4631.0	4631.0	4689.2	4785.4	4947.5	5170.3	5496.0	5857.3	6205.0	6421.1	6389.0
62.5°	4471.5	4479.9	4563.4	4679.0	4874.9	5141.5	5529.8	5991.5	6407.6	6676.0	6649.8
65°	4122.0	4128.0	4218.3	4355.8	4574.4	4890.1	5314.6	5826.0	6302.9	6561.2	6512.2
67.5°	3557.4	3563.4	3636.8	3792.0	4023.3	4353.3	4811.6	5374.6	5841.3	6045.5	5898.6
70°	2829.9	2846.8	2894.0	3058.6	3234.1	3557.4	3979.4	4542.4	4982.9	5176.2	5014.2
72.5°	1928.5	1971.6	2029.0	2175.0	2342.9	2611.3	2947.2	3421.6	3775.2	3998.8	3854.5
75°	1086.2	1147.0	1164.7	1275.2	1413.7	1625.5	1871.2	2211.2	2568.3	2749.7	2575.9
77.5°	469.3	519.0	541.0	592.5	700.5	789.1	938.5	1168.1	1444.0	1571.6	1363.0
80°	231.2	243.1	252.3	268.4	298.8	327.5	398.4	498.8	611.9	640.6	509.8
82.5°	179.0	187.4	203.4	216.0	223.6	231.2	238.0	251.5	262.5	268.4	253.2
85°	125.8	136.8	154.4	168.8	177.2	183.1	189.0	193.2	183.2	167.1	175.5
87.5°	32.9	43.0	60.0	65.0	73.4	77.6	76.0	78.4	70.9	51.5	57.4
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°	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7	1083.7
2.5°	1089.6	1088.8	1089.6	1089.6	1089.6	1088.8	1088.8	1088.7
5°	1109.0	1109.0	1109.8	1108.2	1108.2	1109.0	1108.2	1107.3
7.5°	1141.9	1141.1	1141.0	1140.2	1141.1	1140.2	1140.2	1139.4
10°	1185.8	1184.1	1184.9	1182.4	1182.4	1181.6	1181.6	1181.6
12.5°	1233.1	1230.6	1231.4	1228.8	1224.6	1225.5	1226.3	1225.5
15°	1278.6	1276.1	1273.6	1271.9	1269.4	1270.2	1270.2	1269.4
17.5°	1325.0	1320.0	1319.2	1316.6	1315.8	1315.8	1315.8	1316.6
20°	1373.2	1369.8	1368.9	1366.4	1365.6	1368.1	1369.0	1367.3
22.5°	1424.6	1423.0	1424.6	1423.0	1425.5	1427.2	1428.0	1426.3
25°	1489.6	1487.9	1490.5	1496.4	1499.8	1501.4	1505.6	1504.0
27.5°	1573.2	1571.6	1577.4	1585.8	1591.0	1599.4	1603.6	1605.3
30°	1681.2	1688.8	1692.2	1709.1	1712.4	1726.0	1726.0	1731.9
32.5°	1838.2	1852.6	1877.9	1904.0	1940.3	1966.5	1966.5	1980.0
35°	2182.6	2188.4	2207.9	2212.1	2219.7	2228.1	2219.7	2226.4
37.5°	2446.7	2420.6	2402.0	2375.8	2359.8	2359.8	2361.5	2359.8
40°	2581.8	2571.6	2563.2	2541.2	2537.8	2537.0	2537.0	2540.4
42.5°	2823.1	2798.7	2785.2	2766.6	2760.7	2759.0	2758.2	2759.9
45°	3137.1	3097.4	3061.1	3042.6	3026.6	3011.4	3016.4	3016.4
47.5°	3502.6	3441.0	3381.8	3349.8	3322.0	3309.3	3300.8	3298.3
50°	3947.4	3861.2	3785.3	3725.4	3684.8	3684.0	3688.2	3661.2
52.5°	4492.6	4356.7	4262.2	4181.2	4143.2	4139.0	4125.4	4110.2
55°	5096.8	4935.6	4779.6	4692.6	4642.8	4615.8	4599.8	4574.4
57.5°	5719.7	5502.8	5278.4	5139.0	5051.3	4990.5	4958.5	4944.1
60°	6200.0	5903.7	5607.5	5383.8	5237.8	5147.5	5091.8	5069.0
62.5°	6389.0	5987.3	5607.5	5313.8	5102.8	4977.8	4902.8	4869.8
65°	6163.7	5687.6	5255.6	4931.5	4696.0	4556.8	4474.8	4439.4
67.5°	5534.0	5113.8	4643.6	4321.2	4079.0	3941.4	3852.8	3826.7
70°	4639.4	4209.8	3760.8	3473.0	3257.0	3144.8	3052.7	3041.7
72.5°	3486.5	3116.0	2731.2	2493.1	2319.2	2133.6	2086.4	2110.0
75°	2234.8	1888.0	1545.4	1331.0	1172.3	995.0	926.7	943.6
77.5°	1058.4	819.5	591.6	457.4	384.0	328.3	314.0	305.5
80°	392.4	318.2	281.0	266.7	256.6	247.2	240.5	232.9
82.5°	254.0	248.2	240.6	238.0	230.4	218.6	196.6	187.4
85°	189.8	189.8	179.8	180.6	174.7	159.5	139.2	128.3
87.5°	55.7	49.8	45.6	42.2	41.4	37.2	27.0	23.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)