

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: P676417

Luminaire Tested: **CCW-SA-2E-735-U-T3-HSS**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P676417
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-735-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9715.3 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

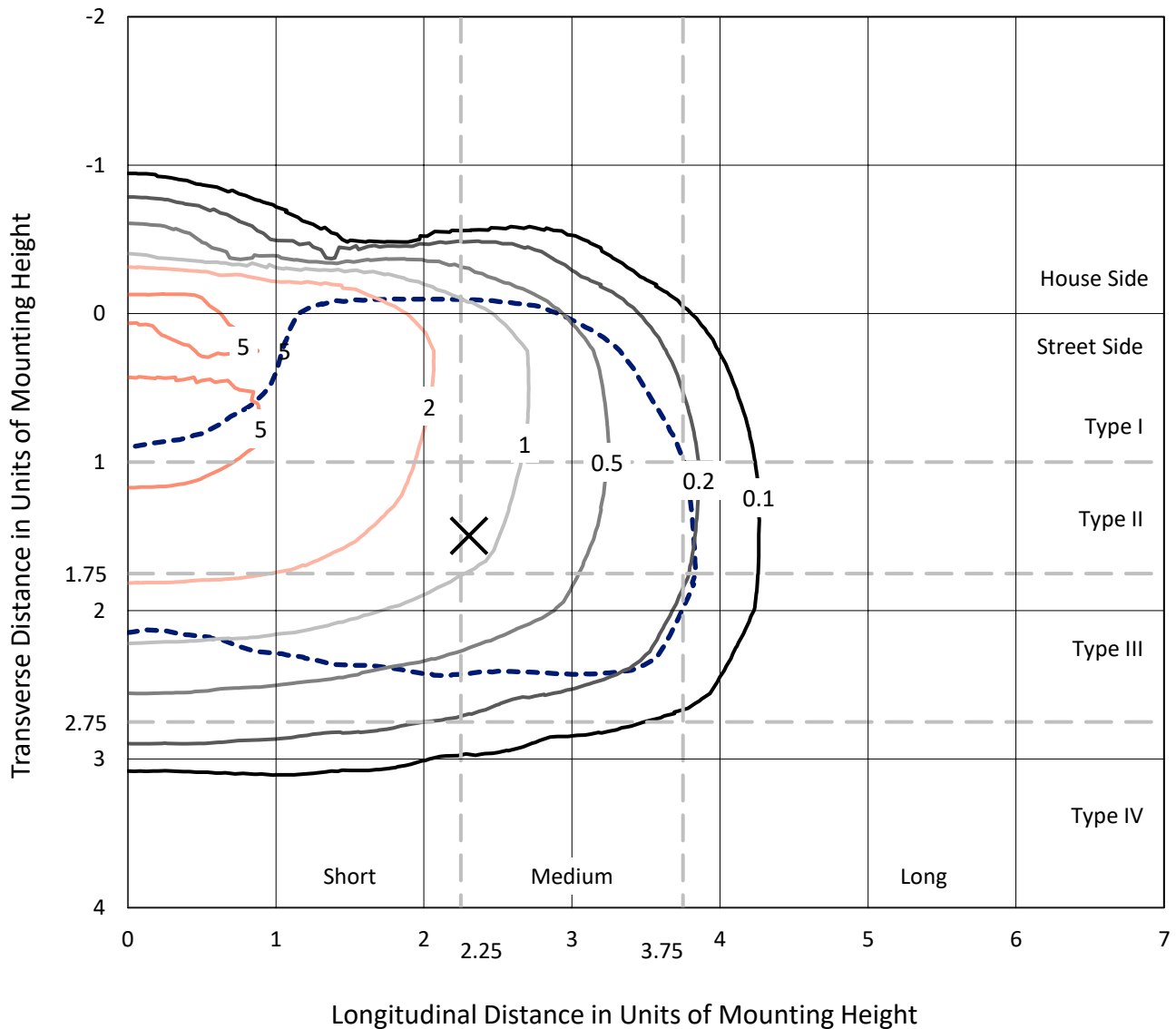
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

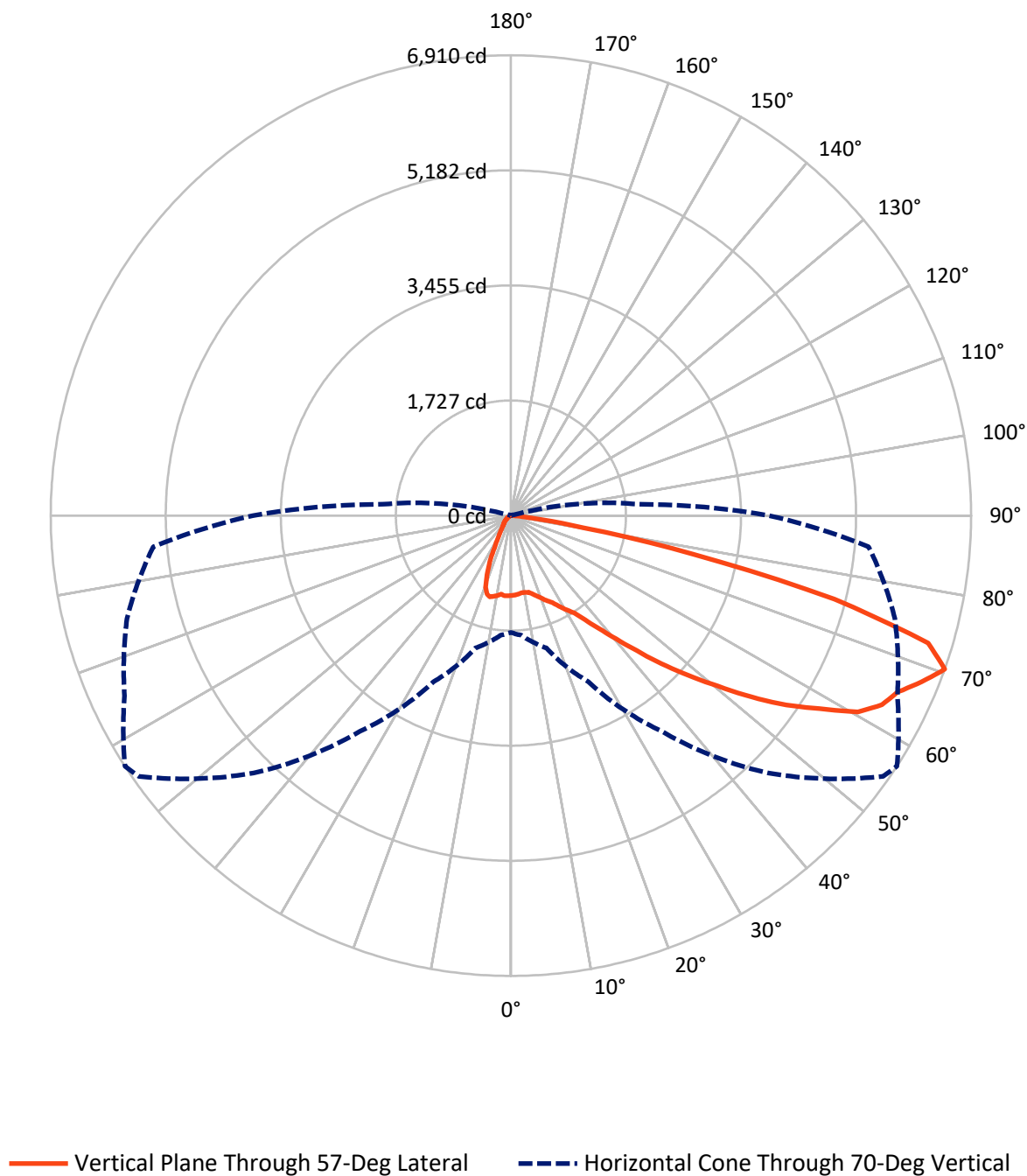
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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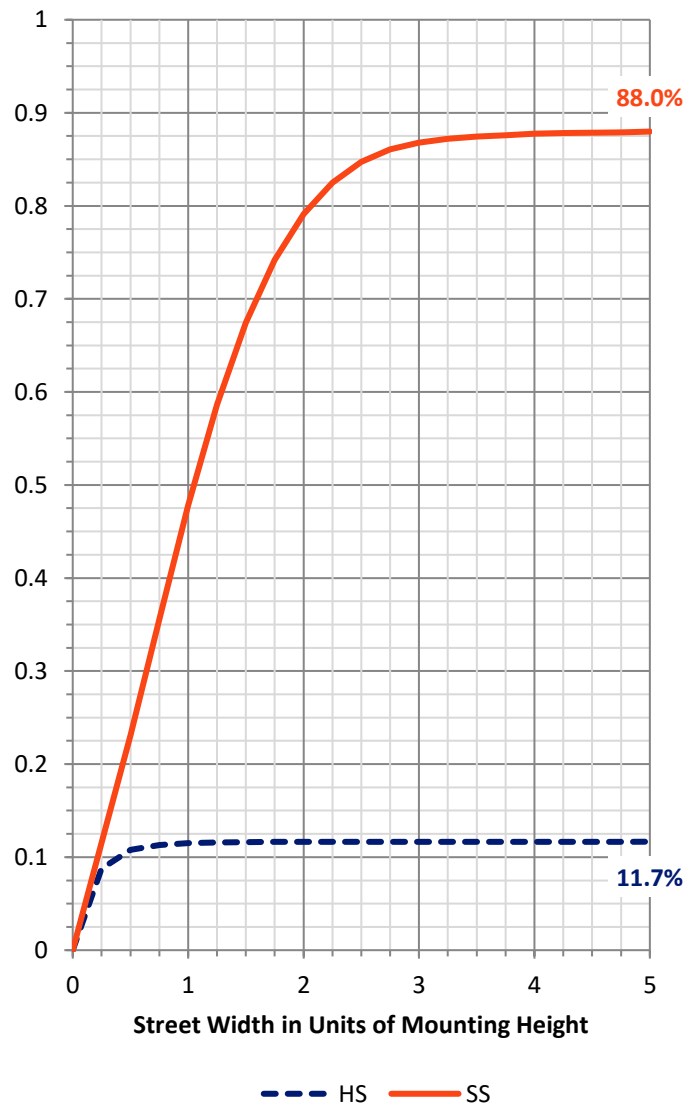
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.2	0.0	1145.2
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	8570.1	0.0	8570.1
	% Fixture	88.2	0.0	88.2
Total	Lumens	9715.3	0.0	9715.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.2
10°-20°	313.2	3.2
20°-30°	527.6	5.4
30°-40°	902.9	9.3
40°-50°	1516.1	15.6
50°-60°	2327.2	24.0
60°-70°	2686.9	27.7
70°-80°	1269.2	13.1
80°-90°	60.2	0.6
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°	9715.3	100.0
0°-180°	9715.3	100.0



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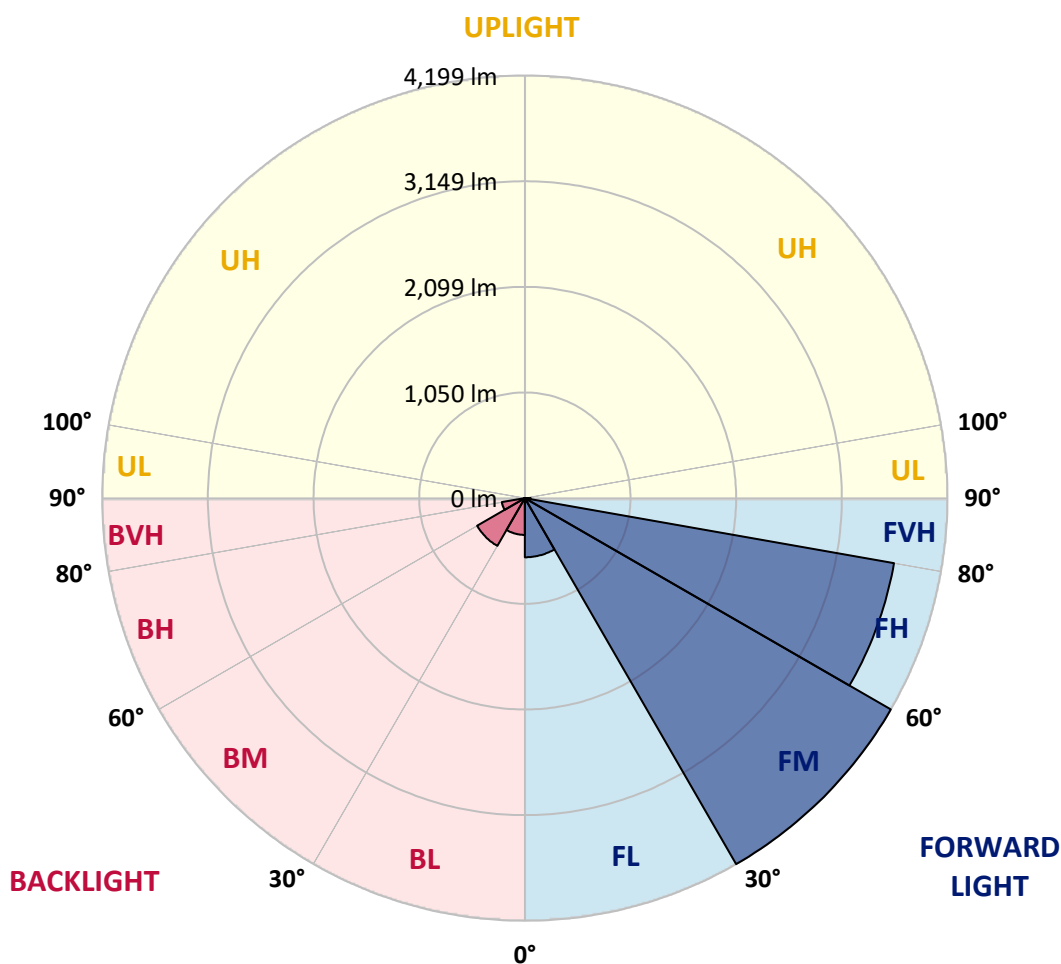
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.8	6.0			
FM	(30°-60°)	4198.8	43.2			
FH	(60°-80°)	3724.4	38.3			G2/5000
FVH	(80°-90°)	59.1	0.6			G1/100
BL	(0°-30°)	365.1	3.8	B1/500		
BM	(30°-60°)	547.4	5.6	B1/1000		
BH	(60°-80°)	231.6	2.4	B1/500		G1/500
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1181.4	1173.9	1181.4	1191.3	1181.4	1188.8	1186.3	1193.8	1183.8	1183.8	1191.3
5°	1104.4	1116.8	1121.8	1134.2	1146.6	1169.0	1183.8	1183.8	1198.7	1206.2	1216.1
7.5°	1077.1	1057.3	1077.1	1087.1	1099.5	1136.7	1159.0	1169.0	1188.8	1216.1	1231.0
10°	1037.4	1052.3	1052.3	1084.6	1101.9	1124.3	1164.0	1171.4	1216.1	1243.4	1258.3
12.5°	1034.9	1034.9	1047.3	1069.7	1104.4	1146.6	1196.3	1181.4	1228.5	1278.2	1303.0
15°	1042.4	1059.8	1059.8	1089.5	1116.8	1176.4	1218.6	1221.1	1288.1	1337.7	1360.1
17.5°	1074.6	1067.2	1077.1	1094.5	1136.7	1193.8	1263.3	1270.7	1347.7	1414.7	1446.9
20°	1141.7	1154.1	1139.2	1129.2	1146.6	1221.1	1310.4	1325.3	1412.2	1476.7	1509.0
22.5°	1392.3	1382.4	1322.8	1253.3	1223.6	1258.3	1355.1	1389.8	1491.6	1568.5	1595.8
25°	1675.3	1657.9	1588.4	1484.2	1347.7	1332.8	1444.4	1444.4	1590.9	1675.3	1667.8
27.5°	1943.3	1938.3	1856.4	1747.2	1553.6	1446.9	1516.4	1543.7	1702.6	1772.0	1739.8
30°	2216.3	2221.3	2146.8	2015.3	1811.8	1630.6	1618.2	1640.5	1786.9	1896.1	1829.1
32.5°	2534.0	2489.3	2437.2	2256.0	2069.9	1866.4	1749.7	1739.8	1881.3	1980.5	1891.2
35°	2816.9	2789.6	2732.5	2568.7	2355.3	2112.1	1948.3	1923.4	2000.4	2131.9	2035.1
37.5°	3065.1	3037.8	2963.3	2854.1	2687.9	2417.3	2186.5	2149.3	2181.6	2320.5	2203.9
40°	3278.5	3286.0	3266.1	3159.4	3005.5	2759.8	2494.3	2434.7	2407.4	2531.5	2400.0
42.5°	3432.4	3504.4	3509.4	3377.8	3253.7	3119.7	2821.9	2774.7	2710.2	2814.4	2722.6
45°	3755.1	3715.3	3740.2	3693.0	3556.5	3536.7	3199.1	3171.8	3082.5	3117.2	3020.4
47.5°	4008.2	4000.8	4047.9	3971.0	3933.7	3936.2	3628.5	3581.3	3454.8	3519.3	3410.1
50°	4154.6	4114.9	4286.2	4345.7	4338.3	4368.1	4062.8	4023.1	3901.5	3995.8	3762.5
52.5°	4189.4	4261.4	4422.7	4638.6	4730.4	4792.5	4536.8	4522.0	4390.4	4450.0	4127.3
55°	4276.2	4345.7	4440.0	4795.0	5135.0	5149.9	5003.4	5018.3	4901.7	4886.8	4474.8
57.5°	4273.8	4258.9	4519.5	4931.5	5403.0	5616.5	5537.0	5465.1	5338.5	5192.1	4698.2
60°	4117.4	4110.0	4380.5	4948.8	5549.4	6038.4	6070.6	5986.2	5668.6	5452.6	4961.2
62.5°	3807.2	3837.0	4110.0	4799.9	5688.4	6189.8	6308.9	6251.8	5857.2	5626.4	5271.5
65°	3452.3	3390.2	3707.9	4427.6	5375.7	6145.1	6403.2	6383.3	6080.6	5815.0	5556.9
67.5°	2769.8	2797.1	3040.3	3809.7	4842.1	5981.3	6624.1	6653.9	6259.3	5981.3	5643.8
70°	1754.7	1804.3	2057.5	2752.4	3953.6	5465.1	6822.6	6909.5	6400.7	5966.4	5390.6
72.5°	511.3	531.1	876.1	1372.5	2519.1	4383.0	6505.0	6549.6	6125.2	5415.4	4169.5
75°	168.8	178.7	258.1	446.7	987.8	2265.9	4804.9	5015.8	4874.4	3926.3	2385.1
77.5°	111.7	116.6	141.5	213.4	374.8	709.8	2576.2	2802.0	2747.4	1839.1	769.4
80°	81.9	84.4	104.2	143.9	228.3	255.6	950.6	1099.5	1062.2	421.9	153.9
82.5°	52.1	52.1	76.9	101.8	143.9	126.6	275.5	305.3	297.8	161.3	59.6
85°	34.7	37.2	57.1	79.4	79.4	59.6	79.4	91.8	99.3	86.9	27.3
87.5°	9.9	12.4	32.3	54.6	32.3	29.8	27.3	29.8	34.7	47.2	14.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7	1198.7
2.5°	1198.7	1208.7	1206.2	1211.1	1203.7	1196.3	1203.7	1203.7	1203.7	1196.3	1191.3
5°	1208.7	1203.7	1208.7	1198.7	1208.7	1198.7	1193.8	1178.9	1176.4	1176.4	1186.3
7.5°	1223.6	1228.5	1206.2	1206.2	1183.8	1188.8	1176.4	1178.9	1173.9	1166.5	1161.5
10°	1245.9	1265.7	1243.4	1236.0	1211.1	1191.3	1161.5	1146.6	1146.6	1136.7	1146.6
12.5°	1307.9	1300.5	1288.1	1263.3	1233.5	1193.8	1121.8	1049.8	990.3	945.6	967.9
15°	1357.6	1355.1	1337.7	1290.6	1250.9	1129.2	948.1	761.9	662.7	618.0	610.5
17.5°	1434.5	1427.1	1397.3	1335.2	1203.7	935.7	650.2	493.9	397.1	374.8	367.3
20°	1506.5	1504.0	1439.5	1360.1	1084.6	682.5	424.4	325.1	297.8	300.3	295.3
22.5°	1583.4	1571.0	1494.1	1330.3	863.7	454.2	302.8	290.4	280.5	278.0	282.9
25°	1670.3	1625.6	1548.7	1263.3	635.4	312.7	285.4	275.5	265.6	263.1	263.1
27.5°	1705.0	1675.3	1573.5	1101.9	402.1	273.0	268.0	255.6	243.2	235.8	233.3
30°	1784.5	1734.8	1598.3	866.2	285.4	250.7	243.2	228.3	211.0	198.5	198.5
32.5°	1863.9	1804.3	1600.8	605.6	238.3	225.8	213.4	193.6	171.2	158.8	161.3
35°	1963.2	1881.3	1573.5	392.1	213.4	198.5	173.7	151.4	131.5	121.6	121.6
37.5°	2131.9	2055.0	1461.8	258.1	193.6	168.8	143.9	119.1	101.8	94.3	94.3
40°	2345.4	2246.1	1307.9	203.5	171.2	143.9	114.2	91.8	81.9	74.5	74.5
42.5°	2601.0	2476.9	1079.6	181.2	151.4	119.1	89.3	72.0	62.0	62.0	59.6
45°	2856.6	2653.1	846.3	166.3	134.0	99.3	69.5	57.1	52.1	49.6	49.6
47.5°	3221.5	2866.5	605.6	151.4	116.6	76.9	57.1	47.2	42.2	39.7	42.2
50°	3571.4	3067.6	429.4	136.5	96.8	62.0	47.2	42.2	37.2	34.7	34.7
52.5°	3879.1	3206.6	300.3	119.1	81.9	52.1	42.2	37.2	34.7	32.3	32.3
55°	4047.9	3159.4	206.0	101.8	67.0	44.7	37.2	32.3	29.8	27.3	27.3
57.5°	4221.6	3027.9	156.4	84.4	54.6	42.2	34.7	29.8	27.3	24.8	24.8
60°	4368.1	2931.1	121.6	67.0	44.7	34.7	29.8	24.8	22.3	19.9	17.4
62.5°	4375.5	2737.5	89.3	49.6	34.7	29.8	24.8	19.9	12.4	9.9	7.4
65°	4405.3	2534.0	64.5	37.2	24.8	22.3	17.4	9.9	5.0	0.0	0.0
67.5°	4301.1	2293.2	52.1	27.3	17.4	12.4	7.4	2.5	0.0	0.0	0.0
70°	3876.7	1935.9	39.7	19.9	12.4	7.4	2.5	0.0	0.0	0.0	0.0
72.5°	2774.7	1258.3	27.3	14.9	5.0	2.5	0.0	0.0	0.0	0.0	0.0
75°	1479.2	536.1	19.9	9.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	464.1	136.5	12.4	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
80°	101.8	37.2	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.7	14.9	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.4	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)