

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: LUMARK

Report Number: P511318

Luminaire Tested: **PRV-P-PA1D-8540-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-8540-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8539.4 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 93.4
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: 28.75 FT



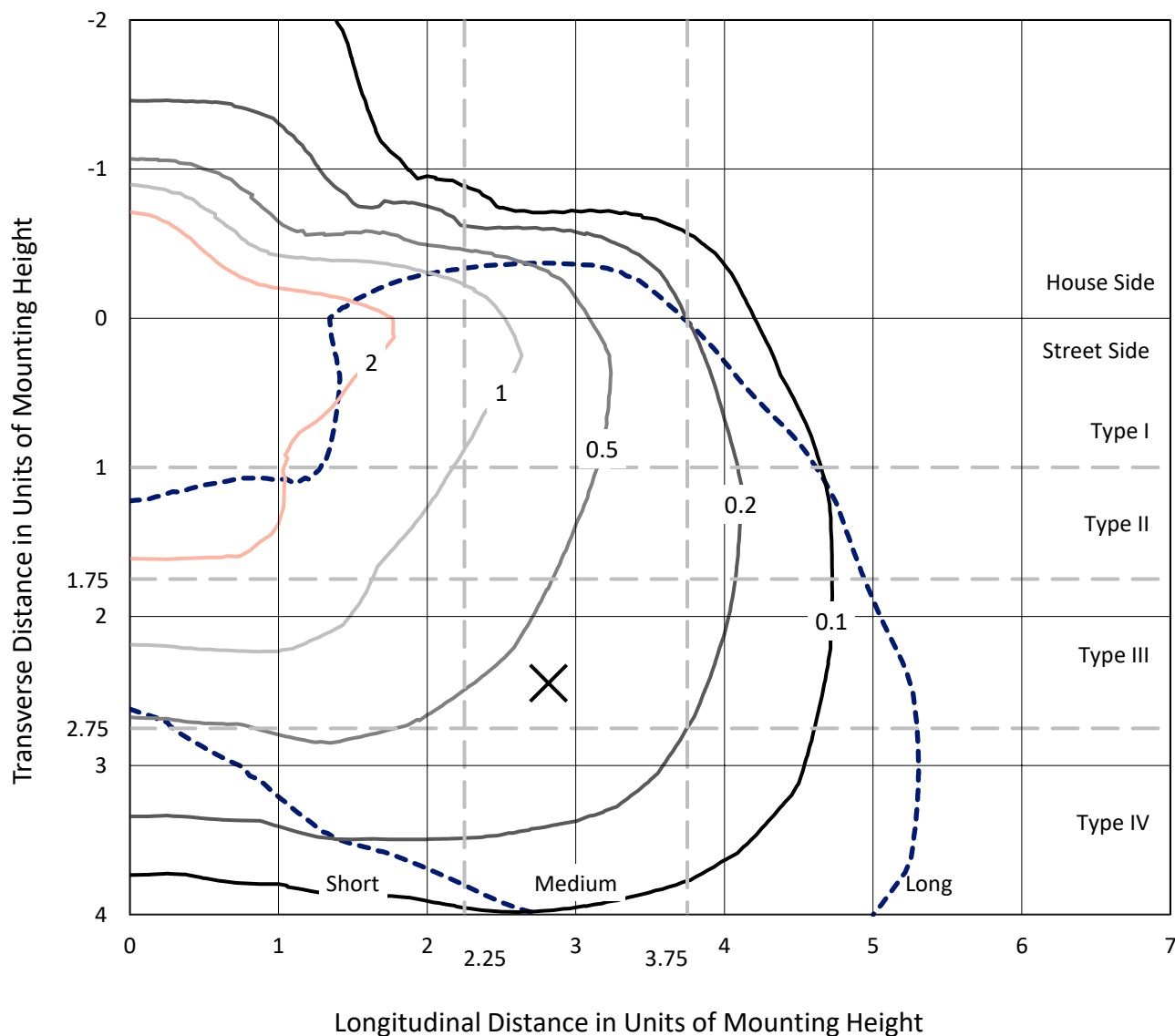
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

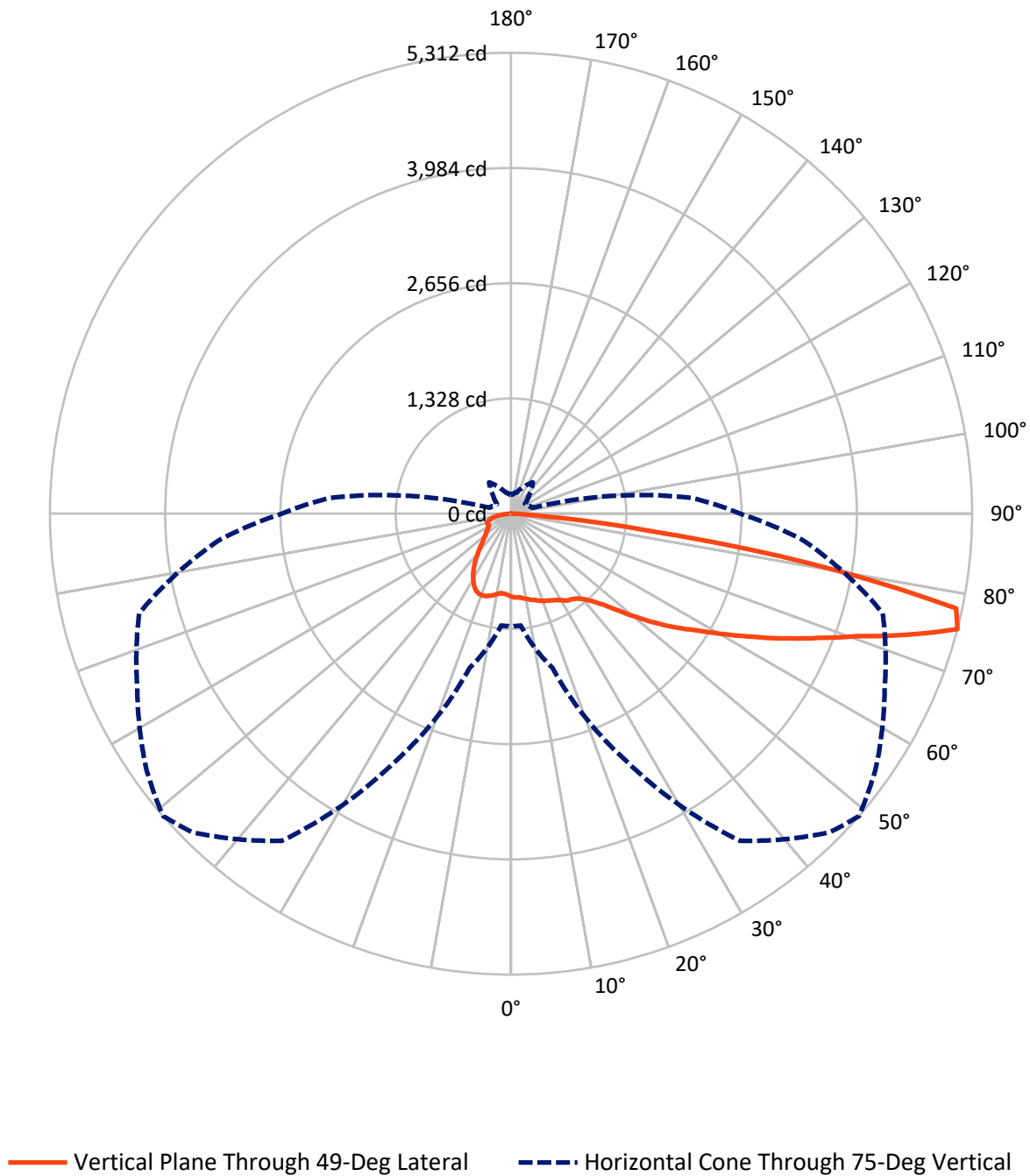


Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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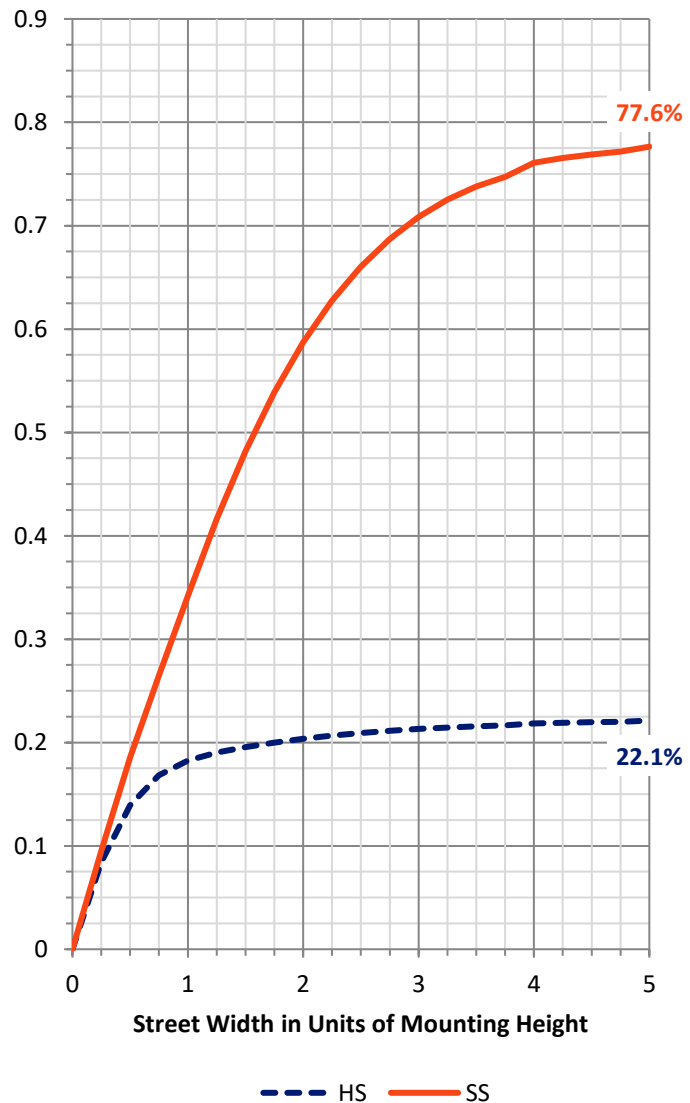
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1912.5	0.0	1912.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6626.9	0.0	6626.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	8539.4	0.0	8539.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.1
10°-20°	288.2	3.4
20°-30°	485.1	5.7
30°-40°	657.3	7.7
40°-50°	964.7	11.3
50°-60°	1537.1	18.0
60°-70°	2238.7	26.2
70°-80°	2025.6	23.7
80°-90°	250.9	2.9
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°	8539.4	100.0
0°-180°	8539.4	100.0

Coefficient of Utilization



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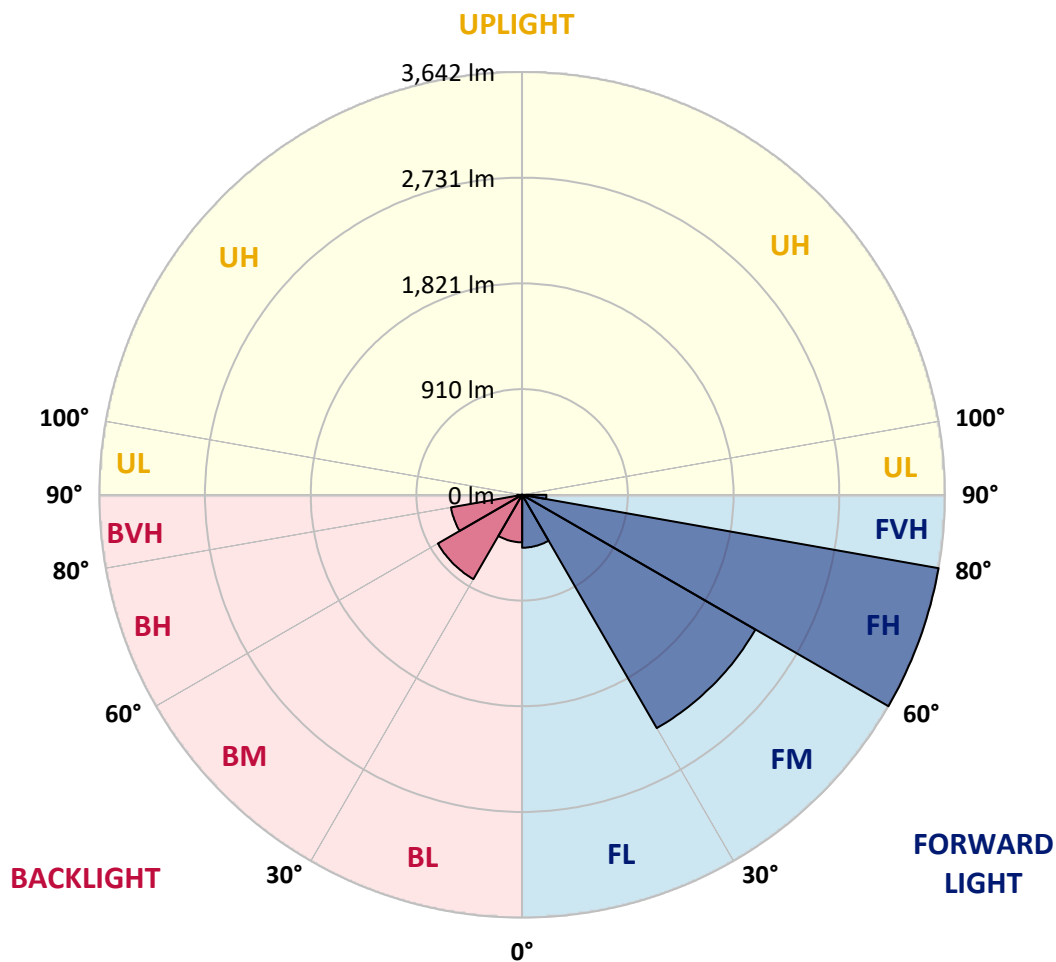
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.8	5.3			
FM	(30°-60°)	2320.4	27.2			
FH	(60°-80°)	3642.0	42.6			G2/5000
FVH	(80°-90°)	208.7	2.4			G2/225
BL	(0°-30°)	409.4	4.8	B1/500		
BM	(30°-60°)	838.6	9.8	B1/1000		
BH	(60°-80°)	622.3	7.3	B2/1000		G2/1000
BVH	(80°-90°)	42.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4
2.5°	985.9	981.9	978.0	978.0	972.1	970.1	968.2	966.2	954.4	956.4	948.5
5°	1017.3	1011.4	1007.4	1003.5	991.7	974.1	968.2	966.2	946.6	934.7	928.9
7.5°	1062.5	1064.4	1042.8	1031.0	1019.2	989.8	983.8	968.2	946.6	930.8	921.0
10°	1109.6	1103.6	1086.0	1064.4	1040.8	1007.4	997.6	983.8	966.2	944.6	932.8
12.5°	1142.9	1137.1	1115.5	1088.0	1054.5	1025.1	1019.2	1009.4	981.9	958.3	946.6
15°	1162.6	1168.5	1142.9	1103.6	1066.4	1044.8	1032.9	1027.1	1003.5	978.0	956.4
17.5°	1184.2	1182.3	1166.5	1119.4	1086.0	1060.5	1054.5	1044.8	1015.3	991.7	970.1
20°	1194.0	1201.8	1188.1	1135.1	1095.8	1072.2	1074.2	1066.4	1038.9	1009.4	985.9
22.5°	1199.9	1203.9	1197.9	1144.9	1107.6	1089.9	1088.0	1082.1	1054.5	1029.0	1001.5
25°	1197.9	1199.9	1209.7	1146.9	1119.4	1105.6	1105.6	1097.8	1076.2	1052.6	1025.1
27.5°	1199.9	1196.0	1209.7	1152.7	1135.1	1129.2	1127.2	1125.2	1113.5	1080.1	1050.6
30°	1192.0	1203.9	1207.8	1160.6	1158.7	1156.7	1158.7	1160.6	1146.9	1111.5	1080.1
32.5°	1194.0	1190.1	1209.7	1170.4	1172.4	1188.1	1194.0	1190.1	1168.5	1139.0	1109.6
35°	1227.4	1237.2	1241.1	1188.1	1186.2	1196.0	1209.7	1205.8	1199.9	1178.3	1160.6
37.5°	1402.2	1410.0	1388.4	1260.8	1225.4	1223.4	1241.1	1245.0	1249.0	1239.2	1235.3
40°	1675.2	1665.4	1661.4	1417.9	1294.1	1280.4	1296.1	1315.8	1321.6	1327.6	1337.4
42.5°	1971.7	1983.5	1985.5	1639.8	1455.2	1372.7	1380.6	1406.1	1439.5	1447.4	1490.5
45°	2238.8	2260.4	2303.6	1934.4	1675.2	1525.9	1498.4	1520.0	1577.0	1626.1	1696.8
47.5°	2427.3	2441.0	2509.7	2242.7	1952.0	1688.9	1669.3	1669.3	1749.8	1816.6	1936.4
50°	2615.8	2607.9	2635.4	2558.8	2335.0	1932.4	1875.4	1859.8	1965.8	2060.1	2195.5
52.5°	2759.2	2772.9	2816.1	2847.5	2663.0	2197.5	2095.4	2054.2	2189.7	2303.6	2492.1
55°	2861.3	2867.2	2965.4	3089.1	2977.1	2433.2	2321.2	2291.8	2452.8	2582.4	2831.8
57.5°	2998.7	3042.0	3153.9	3379.7	3360.1	2655.1	2539.2	2562.8	2723.8	2865.2	3214.8
60°	3252.1	3238.3	3368.0	3672.3	3564.4	2894.7	2820.1	2833.8	2996.8	3193.2	3686.1
62.5°	3362.0	3368.0	3548.6	4043.5	3847.1	3152.0	3124.5	3155.9	3311.0	3505.4	4281.1
65°	3206.9	3250.2	3652.7	4094.5	4128.0	3485.8	3466.2	3515.3	3625.2	3880.5	4774.0
67.5°	2790.6	2841.7	3495.6	4222.2	4361.6	3831.5	3823.5	3855.0	3925.6	4181.0	5105.9
70°	2576.5	2627.6	3063.6	4277.2	4550.2	4241.9	4232.0	4218.3	4265.4	4471.6	5149.2
72.5°	2205.4	2229.0	2623.7	4049.4	4721.0	4734.8	4770.1	4664.1	4585.6	4648.4	4638.6
75°	1298.1	1294.1	1840.1	3148.1	4603.2	5192.4	5312.2	5129.5	4750.5	4434.3	3354.2
77.5°	447.7	430.1	626.5	1435.6	3342.5	5023.5	5243.4	4974.4	4318.5	3507.4	1867.6
80°	125.7	135.5	202.2	479.2	1557.3	3098.9	3530.9	3727.3	2816.1	1474.9	557.7
82.5°	56.9	58.9	106.0	196.4	575.4	1520.0	1575.0	1335.4	952.4	373.1	137.5
85°	15.7	15.7	33.4	70.7	196.4	351.5	384.9	337.8	196.4	125.7	47.1
87.5°	2.0	2.0	2.0	3.9	5.9	9.8	7.8	21.6	17.7	15.7	7.8
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°	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4	956.4
2.5°	950.5	948.5	944.6	942.7	940.7	940.7	940.7	942.7	938.7	946.6	946.6
5°	926.9	925.0	919.1	923.0	923.0	930.8	934.7	938.7	944.6	948.5	950.5
7.5°	917.1	919.1	917.1	913.2	917.1	925.0	940.7	954.4	960.3	966.2	968.2
10°	928.9	928.9	923.0	930.8	932.8	940.7	952.4	968.2	985.9	991.7	991.7
12.5°	936.8	938.7	934.7	950.5	954.4	964.3	972.1	979.9	995.7	1005.5	1007.4
15°	946.6	944.6	950.5	964.3	972.1	979.9	985.9	981.9	997.6	1005.5	1005.5
17.5°	960.3	962.3	970.1	987.8	991.7	993.7	991.7	981.9	993.7	1001.5	1005.5
20°	974.1	978.0	989.8	1003.5	1003.5	995.7	987.8	978.0	983.8	993.7	1001.5
22.5°	991.7	997.6	1005.5	1015.3	1005.5	987.8	978.0	968.2	974.1	989.8	995.7
25°	1007.4	1013.4	1013.4	1009.4	983.8	968.2	964.3	964.3	966.2	983.8	985.9
27.5°	1035.0	1035.0	1021.2	993.7	948.5	923.0	932.8	940.7	958.3	972.1	976.0
30°	1064.4	1056.5	1029.0	968.2	897.5	871.9	883.7	905.3	928.9	948.5	960.3
32.5°	1101.7	1095.8	1040.8	938.7	842.5	809.1	820.9	852.3	885.7	909.2	913.2
35°	1156.7	1142.9	1052.6	899.4	771.8	740.3	746.3	781.6	817.0	842.5	856.2
37.5°	1227.4	1213.6	1062.5	848.4	699.1	665.7	663.7	697.2	724.7	748.2	758.0
40°	1349.2	1315.8	1072.2	783.5	628.4	589.1	589.1	601.0	610.7	626.5	634.3
42.5°	1504.3	1445.3	1088.0	708.9	559.7	524.4	510.6	516.5	504.7	490.9	492.9
45°	1714.5	1612.3	1119.4	632.4	496.8	465.4	453.7	437.9	414.4	388.8	390.8
47.5°	1959.9	1793.0	1141.0	563.6	441.8	418.3	406.5	386.9	353.5	326.0	324.0
50°	2242.7	1991.3	1168.5	502.8	392.8	386.9	379.1	349.5	312.3	286.7	282.8
52.5°	2539.2	2183.8	1196.0	457.6	359.4	369.2	355.5	324.0	282.8	257.3	255.3
55°	2875.0	2429.3	1250.9	410.4	333.9	349.5	339.7	304.4	263.2	245.5	243.5
57.5°	3269.8	2688.5	1335.4	373.1	312.3	324.0	322.0	290.6	263.2	251.3	251.3
60°	3684.2	3022.3	1376.7	345.6	290.6	304.4	320.1	296.5	276.9	267.1	265.1
62.5°	4090.6	3338.5	1253.0	322.0	274.9	298.5	330.0	322.0	292.6	290.6	288.7
65°	4395.1	3574.2	948.5	298.5	263.2	310.3	373.1	347.6	304.4	300.4	298.5
67.5°	4544.3	3694.0	634.3	280.9	253.3	324.0	412.4	359.4	298.5	288.7	278.8
70°	4359.7	3507.4	422.2	259.3	237.6	318.1	437.9	361.4	286.7	273.0	259.3
72.5°	3723.4	3026.2	322.0	239.6	221.9	306.4	443.8	351.5	274.9	247.4	237.6
75°	2637.4	2087.6	259.3	216.0	196.4	290.6	439.9	335.8	255.3	225.8	218.0
77.5°	1343.2	936.8	202.2	186.6	166.9	273.0	422.2	274.9	192.5	166.9	163.0
80°	373.1	278.8	157.1	147.3	129.6	225.8	324.0	219.9	155.1	137.5	129.6
82.5°	129.6	117.8	108.0	94.3	92.3	182.7	278.8	178.7	113.9	84.4	82.4
85°	47.1	45.2	51.1	51.1	53.0	94.3	145.3	80.5	49.1	35.3	33.4
87.5°	5.9	5.9	7.8	5.9	7.8	2.0	2.0	2.0	2.0	2.0	2.0
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)