

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: P511315

Luminaire Tested: **PRV-P-PA1D-8540-U-T3-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)
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-T3-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6689.2 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - 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

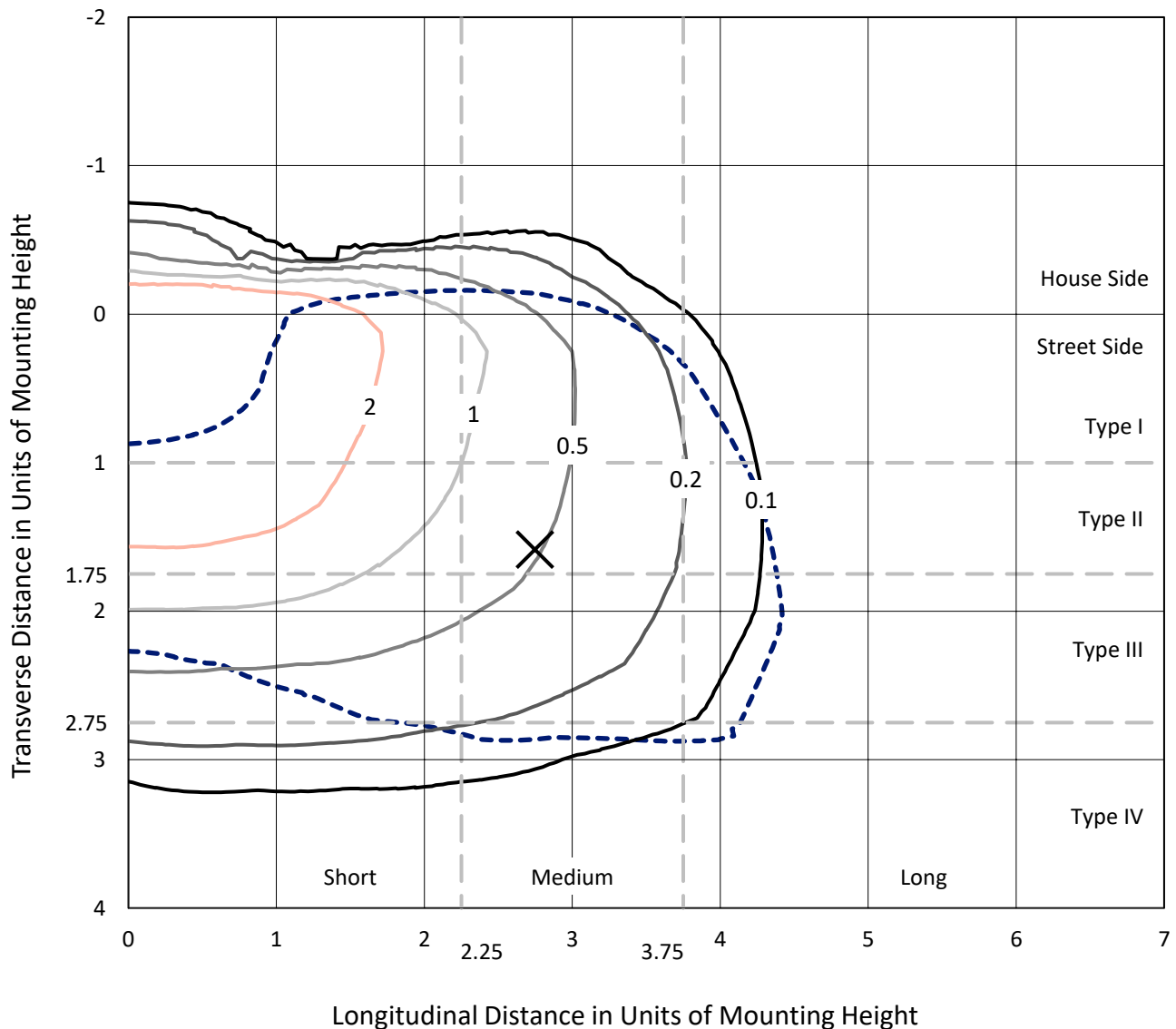


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

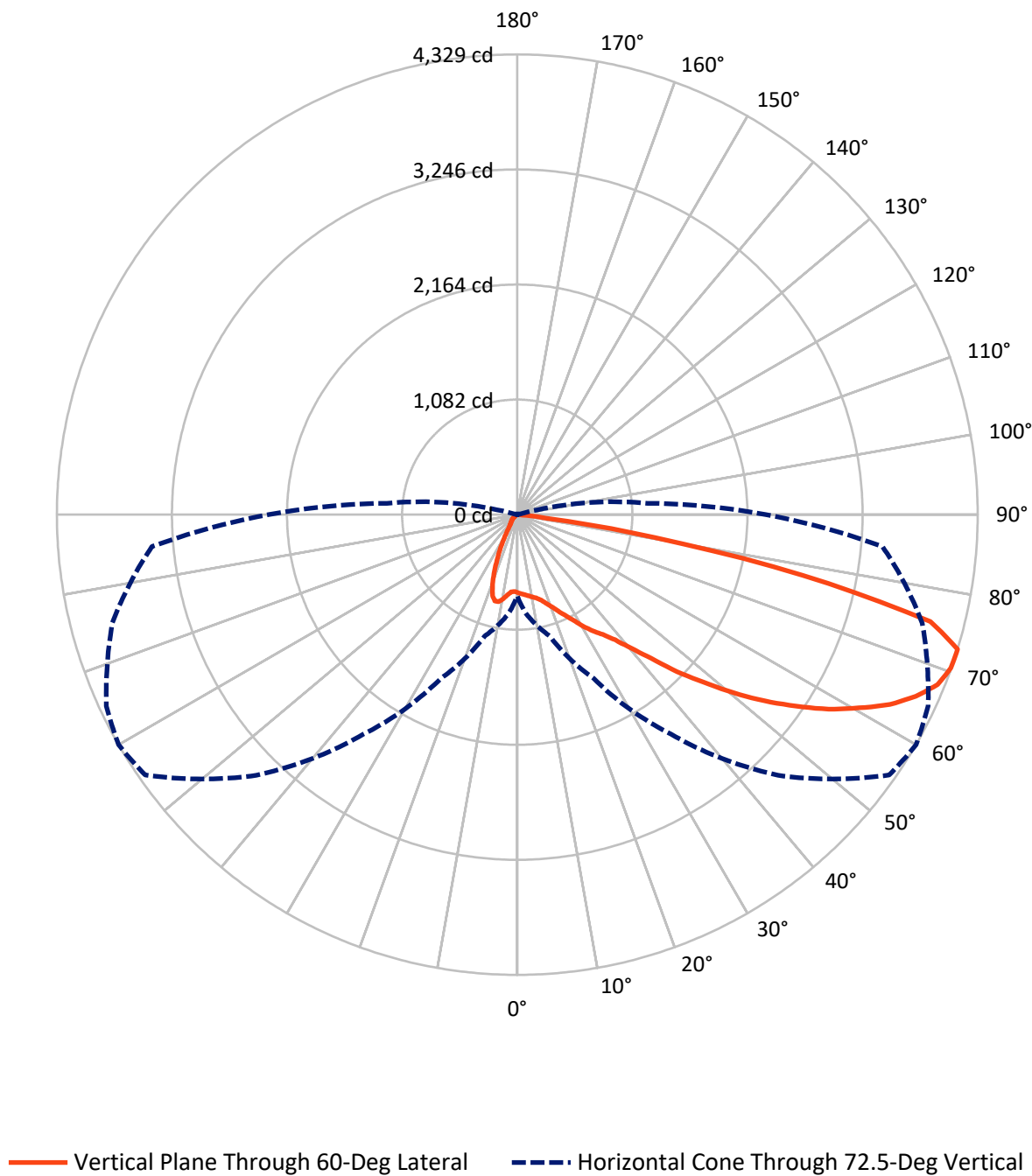


Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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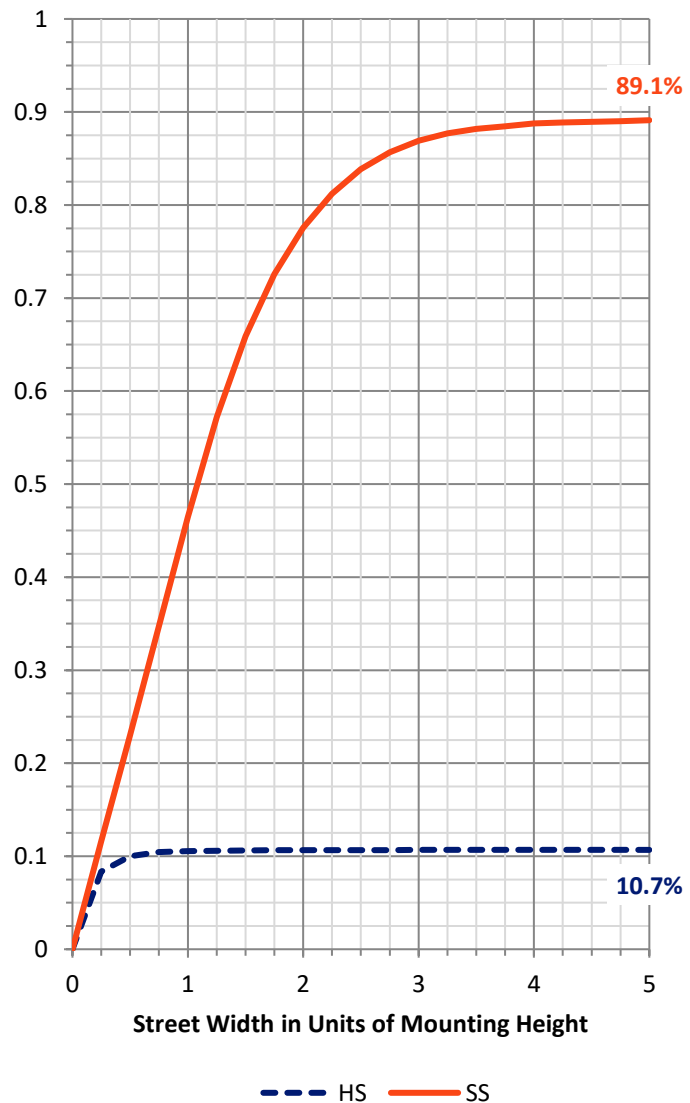
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	721.1	0.0	721.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5968.1	0.0	5968.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	6689.2	0.0	6689.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.1
10°-20°	194.4	2.9
20°-30°	320.8	4.8
30°-40°	566.3	8.5
40°-50°	993.8	14.9
50°-60°	1557.8	23.3
60°-70°	1835.9	27.4
70°-80°	1096.8	16.4
80°-90°	52.3	0.8
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°	6689.2	100.0
0°-180°	6689.2	100.0

Coefficient of Utilization



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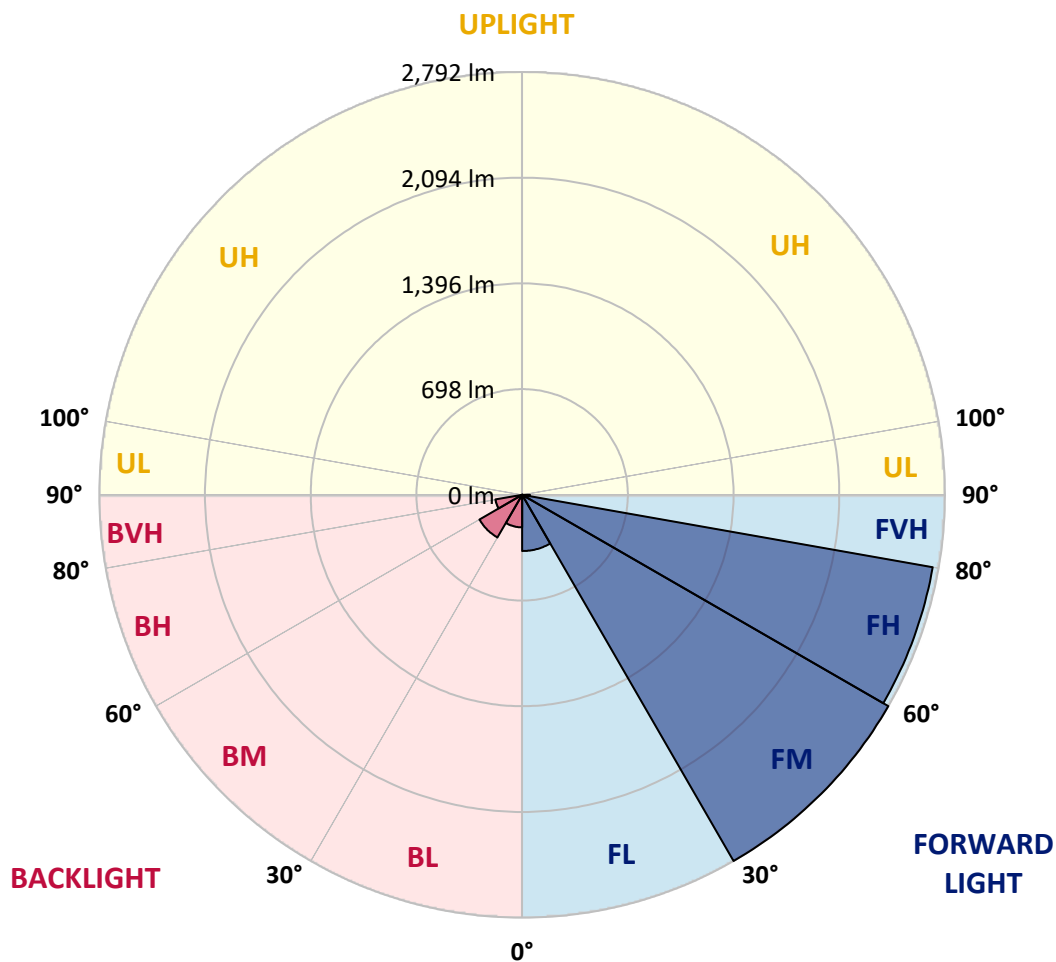
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	371.3	5.6			
FM	(30°-60°)	2792.4	41.7			
FH	(60°-80°)	2753.3	41.2			G2/5000
FVH	(80°-90°)	51.1	0.8			G1/100
BL	(0°-30°)	214.9	3.2	B1/500		
BM	(30°-60°)	325.5	4.9	B1/1000		
BH	(60°-80°)	179.4	2.7	B1/500		G1/500
BVH	(80°-90°)	1.2	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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5
2.5°	754.2	756.1	748.2	756.1	752.2	752.2	750.2	746.3	742.4	740.4	740.4
5°	742.4	742.4	736.5	750.2	754.2	756.1	758.1	756.1	758.1	748.2	748.2
7.5°	685.4	687.4	693.3	711.0	728.7	750.2	771.8	771.8	775.8	777.8	773.8
10°	667.7	667.7	667.7	691.3	707.0	744.3	773.8	787.5	797.3	805.2	815.0
12.5°	661.9	659.9	667.7	695.2	718.8	750.2	791.5	805.2	820.9	844.5	858.2
15°	661.9	661.9	663.8	695.2	728.7	771.8	813.1	832.7	850.4	883.8	903.4
17.5°	679.5	677.5	679.5	705.1	736.5	793.4	856.3	875.9	895.6	927.0	956.4
20°	697.2	695.2	693.3	720.8	752.2	818.9	895.6	925.0	958.4	982.0	1007.5
22.5°	728.7	726.6	718.8	736.5	771.8	850.4	944.7	983.9	1017.4	1040.9	1062.5
25°	836.6	830.8	803.3	783.6	809.2	881.8	995.7	1050.7	1092.0	1109.7	1121.4
27.5°	1027.1	1035.0	974.1	895.6	862.2	929.0	1056.6	1123.4	1168.5	1182.3	1168.5
30°	1292.3	1280.5	1205.9	1099.8	985.9	987.8	1137.2	1215.7	1268.7	1274.6	1239.3
32.5°	1526.0	1524.0	1445.5	1329.6	1158.8	1092.0	1203.9	1302.1	1364.9	1364.9	1306.0
35°	1730.3	1720.4	1647.7	1549.6	1386.5	1243.2	1290.3	1384.6	1465.1	1461.2	1390.5
37.5°	1891.3	1887.3	1844.1	1753.8	1618.3	1443.5	1404.2	1494.6	1600.6	1594.7	1508.3
40°	2062.1	2066.1	2052.3	1962.0	1820.6	1681.1	1586.9	1649.7	1753.8	1761.7	1671.3
42.5°	2278.1	2284.1	2256.6	2170.2	2044.5	1922.7	1836.3	1846.1	1946.3	1958.0	1830.4
45°	2541.4	2539.3	2507.9	2425.5	2303.7	2185.9	2121.1	2105.3	2152.5	2180.0	2050.4
47.5°	2743.6	2747.5	2749.5	2720.1	2596.3	2513.8	2409.8	2352.8	2405.8	2421.6	2268.4
50°	2904.7	2961.6	2940.0	2969.4	2912.5	2863.4	2698.5	2633.6	2672.9	2692.6	2519.8
52.5°	3020.6	3065.8	3089.2	3177.6	3197.3	3240.5	2989.1	2910.6	2920.4	2932.2	2747.5
55°	2981.3	3008.8	3140.4	3297.4	3462.4	3601.9	3248.4	3177.6	3175.7	3179.6	3028.4
57.5°	2865.4	2906.7	3132.5	3330.9	3647.1	3851.3	3531.2	3452.6	3452.6	3393.7	3317.1
60°	2725.9	2751.5	3030.4	3315.1	3747.2	4008.4	3755.0	3690.3	3688.3	3607.8	3629.4
62.5°	2555.1	2568.9	2810.4	3217.0	3705.9	3996.7	3975.1	3933.8	3914.1	3786.5	3874.8
65°	2335.1	2337.1	2543.3	3030.4	3594.0	3975.1	4116.5	4118.4	4104.6	3947.5	4088.9
67.5°	1979.7	2019.0	2195.7	2716.1	3389.8	3927.9	4204.8	4263.7	4242.1	4047.7	4128.2
70°	1518.2	1567.3	1800.9	2254.6	3075.5	3808.1	4283.4	4324.6	4291.2	4061.4	3984.8
72.5°	764.0	932.9	1182.3	1698.8	2519.8	3466.3	4269.6	4328.5	4261.8	3941.6	3446.7
75°	125.7	139.5	318.1	783.6	1581.0	2778.9	3955.4	4012.3	3908.3	3287.7	2231.1
77.5°	78.5	84.5	129.6	330.0	538.2	1345.3	2834.0	2741.7	2737.8	1967.8	950.6
80°	47.1	49.1	68.7	149.2	288.7	284.8	1374.8	1310.0	1178.3	506.7	194.4
82.5°	27.5	29.4	51.1	76.6	159.1	96.2	210.2	273.0	292.6	102.1	39.3
85°	2.0	2.0	15.7	35.3	37.3	21.6	25.5	43.2	39.3	49.1	17.7
87.5°	0.0	0.0	0.0	2.0	3.9	3.9	5.9	5.9	5.9	7.8	5.9
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°	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5	734.5
2.5°	734.5	738.4	728.7	726.6	718.8	720.8	722.7	720.8	720.8	722.7	724.7
5°	744.3	742.4	734.5	732.6	726.6	730.6	732.6	734.5	738.4	736.5	736.5
7.5°	767.9	769.8	762.0	762.0	758.1	758.1	754.2	750.2	748.2	744.3	752.2
10°	813.1	815.0	809.2	807.2	799.4	781.7	746.3	703.1	658.0	640.3	646.1
12.5°	854.3	866.1	858.2	852.4	820.9	746.3	620.6	510.6	445.8	406.5	410.4
15°	903.4	913.2	909.3	887.7	789.5	599.0	418.4	298.6	251.4	225.8	233.7
17.5°	954.5	964.3	956.4	903.4	687.4	410.4	243.5	182.7	170.9	165.0	166.9
20°	1009.4	1019.3	1001.6	866.1	524.4	257.3	165.0	157.1	155.2	155.2	155.2
22.5°	1064.5	1074.3	1046.8	781.7	361.4	168.9	151.2	147.3	145.3	141.4	143.4
25°	1111.6	1133.2	1078.2	658.0	219.9	147.3	141.4	137.5	131.6	127.6	129.6
27.5°	1166.6	1186.2	1068.4	506.7	155.2	137.5	129.6	121.8	115.9	112.0	112.0
30°	1229.5	1249.0	1021.3	331.9	135.5	125.7	115.9	106.0	96.2	92.3	92.3
32.5°	1294.2	1310.0	944.7	202.2	121.8	112.0	100.1	86.4	76.6	70.7	70.7
35°	1378.7	1380.7	852.4	135.5	108.1	96.2	82.4	68.7	56.9	53.0	53.0
37.5°	1490.6	1476.9	738.4	112.0	94.3	80.5	64.8	51.1	43.2	39.3	41.3
40°	1641.9	1579.0	604.9	98.2	82.4	66.8	49.1	37.3	31.4	31.4	31.4
42.5°	1800.9	1683.1	457.6	90.4	72.7	53.0	35.3	27.5	25.5	25.5	25.5
45°	1989.4	1783.3	298.6	80.5	60.9	41.3	25.5	19.7	19.7	21.6	21.6
47.5°	2178.0	1871.6	178.7	70.7	51.1	31.4	19.7	15.7	15.7	17.7	19.7
50°	2390.1	1948.3	119.8	62.9	43.2	23.6	15.7	13.8	13.8	17.7	17.7
52.5°	2604.2	1995.4	94.3	53.0	33.4	19.7	13.8	11.7	11.7	15.7	15.7
55°	2784.9	2034.6	80.5	45.2	25.5	15.7	13.8	11.7	11.7	13.8	15.7
57.5°	2957.7	2048.4	68.7	37.3	19.7	15.7	11.7	9.8	9.8	13.8	13.8
60°	3095.2	2038.5	58.9	29.4	17.7	13.8	9.8	7.8	7.8	11.7	13.8
62.5°	3189.5	2005.2	45.2	21.6	15.7	13.8	9.8	5.9	7.8	9.8	11.7
65°	3238.6	1934.5	33.4	17.7	13.8	11.7	7.8	5.9	5.9	7.8	7.8
67.5°	3148.2	1822.5	25.5	13.8	11.7	11.7	7.8	3.9	3.9	5.9	5.9
70°	2894.8	1655.6	21.6	11.7	9.8	9.8	5.9	3.9	2.0	3.9	3.9
72.5°	2335.1	1229.5	17.7	9.8	7.8	7.8	5.9	2.0	2.0	2.0	3.9
75°	1427.8	402.6	11.7	7.8	5.9	5.9	3.9	2.0	2.0	2.0	2.0
77.5°	557.7	100.1	7.8	3.9	3.9	3.9	2.0	2.0	0.0	2.0	2.0
80°	104.1	19.7	3.9	3.9	2.0	2.0	2.0	0.0	0.0	2.0	2.0
82.5°	25.5	5.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0	2.0
85°	7.8	3.9	3.9	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	2.0	2.0	2.0	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)