

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: P511241

Luminaire Tested: **PRV-P-PA1C-8540-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-8540-U-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5368.2 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 72.1
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

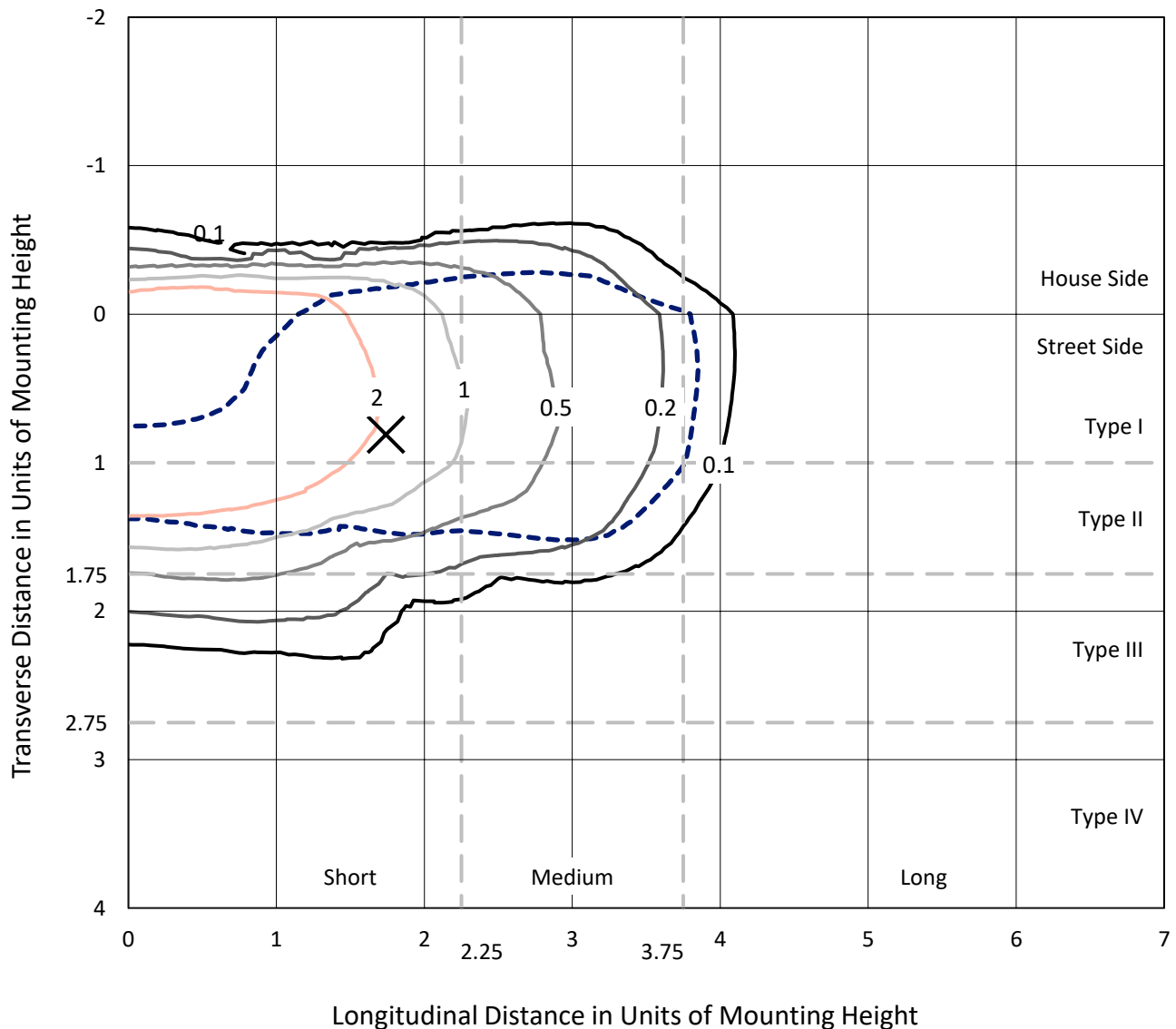


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

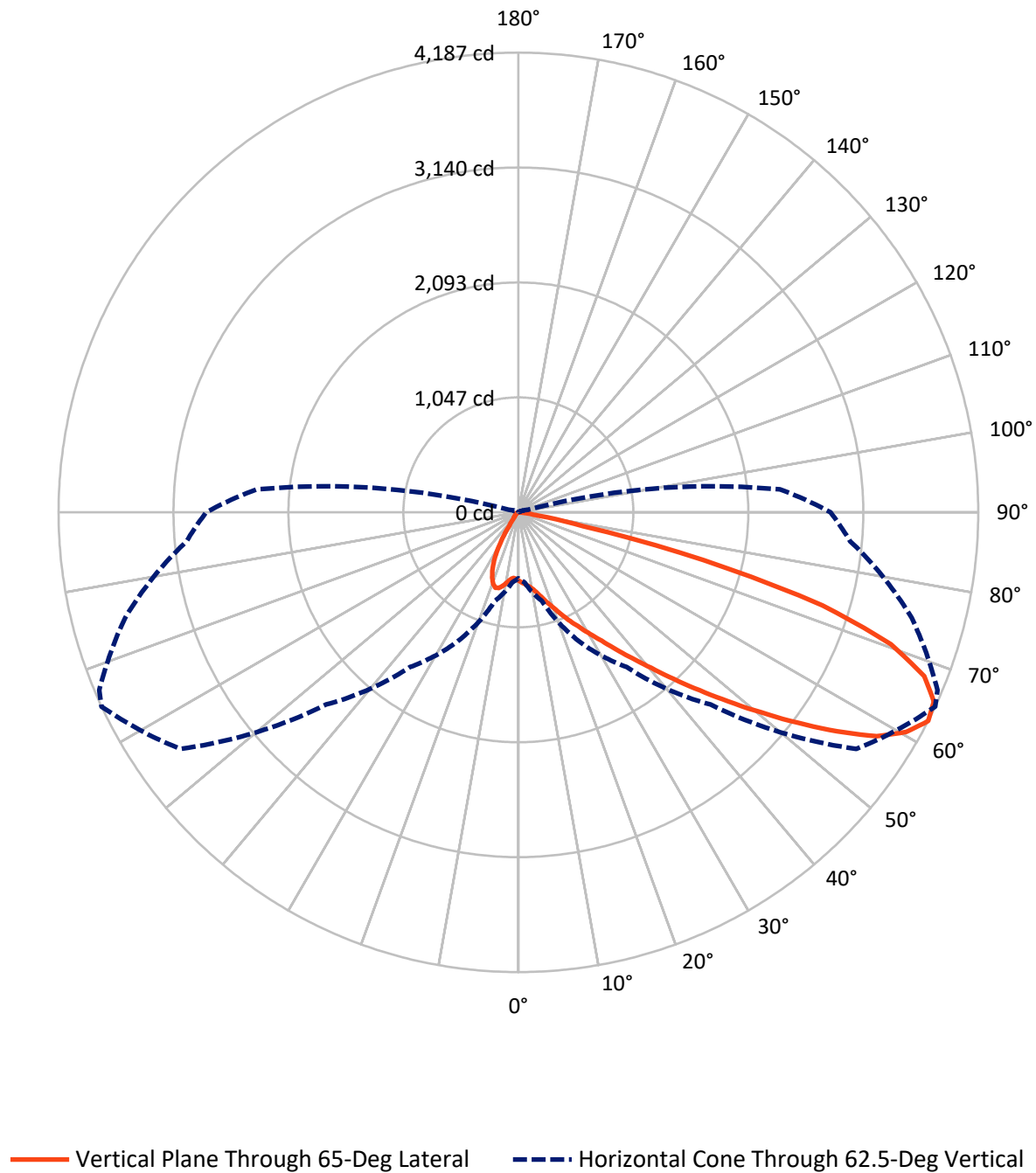


Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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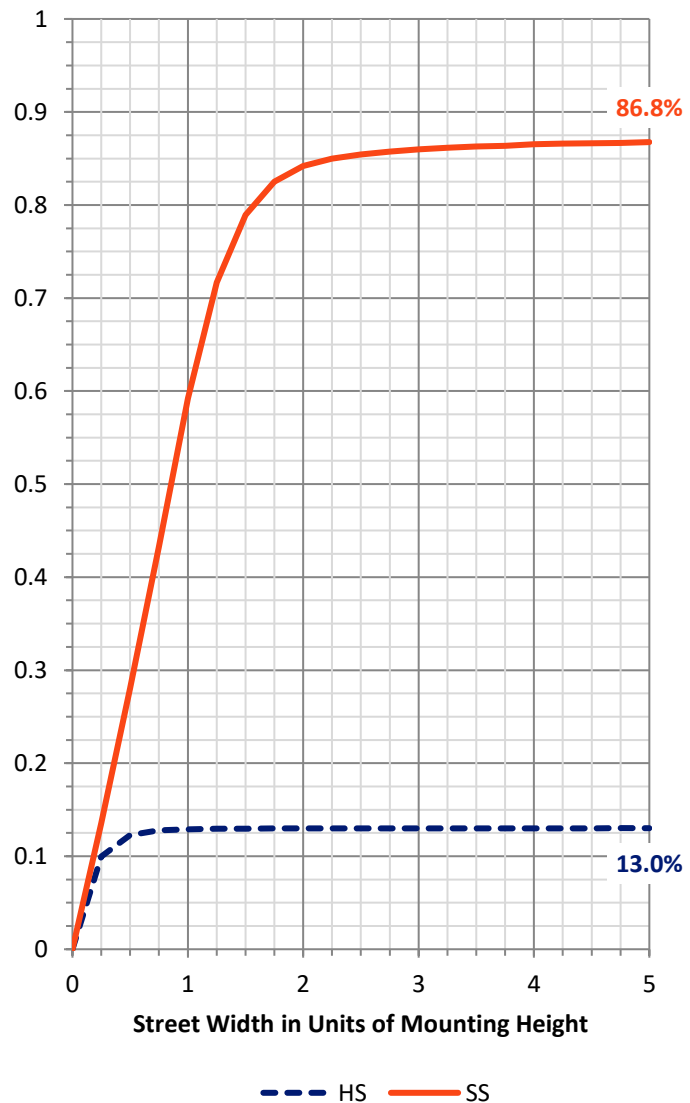
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	706.5	0.0	706.5
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	4661.8	0.0	4661.8
	% Fixture	86.8	0.0	86.8
Total	Lumens	5368.2	0.0	5368.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	1.1
10°-20°	176.2	3.3
20°-30°	314.1	5.9
30°-40°	573.2	10.7
40°-50°	1077.4	20.1
50°-60°	1428.6	26.6
60°-70°	1187.2	22.1
70°-80°	527.4	9.8
80°-90°	24.8	0.5
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°	5368.2	100.0
0°-180°	5368.2	100.0

Coefficient of Utilization



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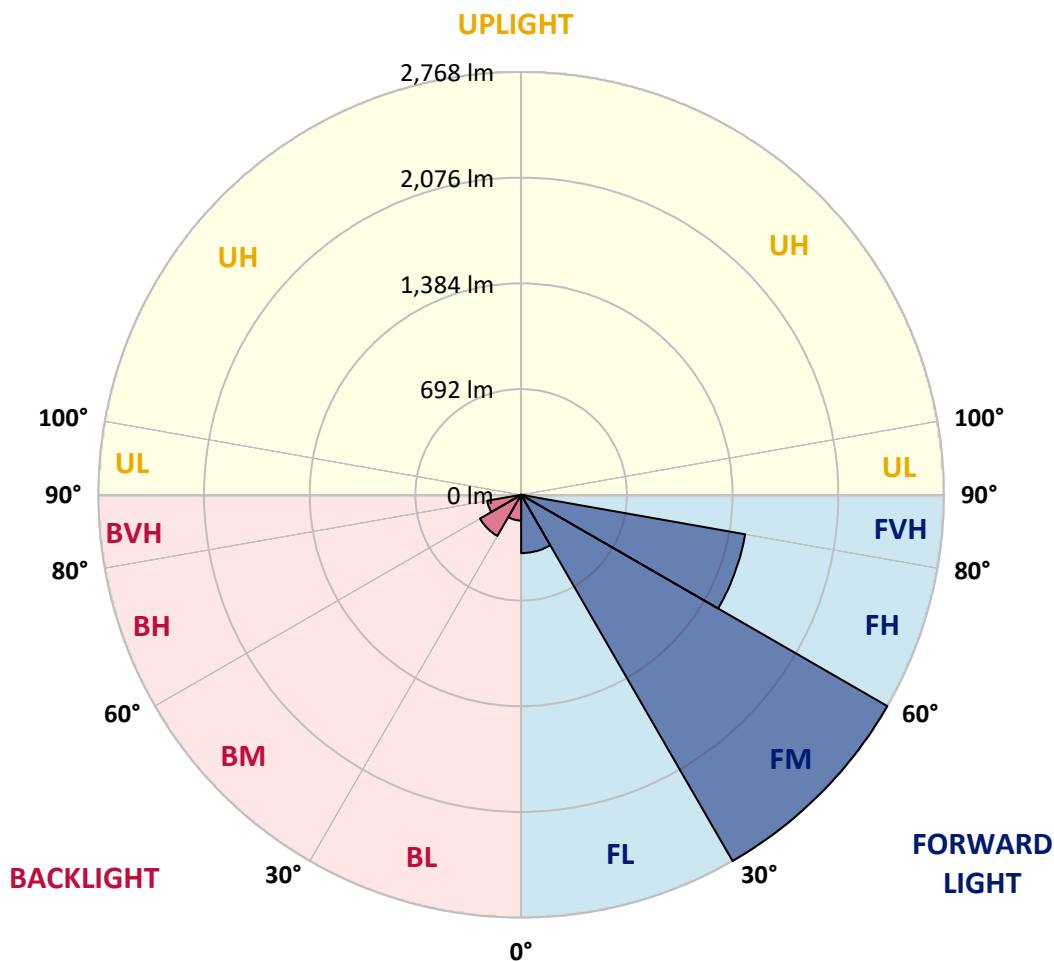
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	381.5	7.1			
FM	(30°-60°)	2768.2	51.6			
FH	(60°-80°)	1489.1	27.7			G1/1800
FVH	(80°-90°)	22.9	0.4			G1/100
BL	(0°-30°)	168.1	3.1	B1/500		
BM	(30°-60°)	311.0	5.8	B1/1000		
BH	(60°-80°)	225.5	4.2	B1/500		G1/500
BVH	(80°-90°)	1.9	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-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	646.9	650.2	646.9	651.9	648.6	646.9	645.3	642.0	640.3	633.8	630.5
5°	637.0	637.0	640.3	646.9	648.6	655.2	655.2	656.9	653.6	651.9	643.6
7.5°	628.7	630.5	633.8	642.0	646.9	660.1	668.4	680.0	680.0	675.0	671.7
10°	650.2	651.9	655.2	665.1	670.0	688.2	698.1	708.0	709.6	711.3	709.6
12.5°	684.9	684.9	688.2	696.5	708.0	727.8	741.0	749.3	749.3	754.2	750.9
15°	734.4	732.7	736.0	741.0	747.6	772.4	792.2	805.4	805.4	802.1	792.2
17.5°	785.6	788.9	795.4	795.4	798.7	821.8	848.3	868.1	869.8	861.5	841.6
20°	845.0	848.3	849.9	858.2	854.9	876.3	902.7	934.1	937.4	927.5	892.9
22.5°	896.1	902.7	911.0	919.2	925.8	947.3	968.7	1011.6	1015.0	1003.4	948.9
25°	963.8	958.9	973.7	980.3	993.5	1016.6	1044.7	1097.5	1100.8	1081.0	1015.0
27.5°	1028.2	1028.2	1039.7	1059.6	1066.1	1095.8	1125.6	1183.3	1193.2	1170.1	1081.0
30°	1142.0	1150.3	1145.4	1150.3	1143.7	1178.3	1224.5	1285.6	1290.5	1259.2	1158.5
32.5°	1401.2	1397.8	1353.3	1282.3	1252.6	1285.6	1338.5	1394.5	1402.8	1379.7	1236.1
35°	1734.5	1749.4	1671.8	1529.9	1409.4	1409.4	1452.3	1531.5	1536.5	1510.1	1346.7
37.5°	2175.2	2165.2	2051.4	1868.2	1645.4	1574.5	1615.7	1686.7	1694.9	1665.2	1477.1
40°	2475.5	2501.9	2442.5	2261.0	1982.1	1815.4	1793.9	1863.2	1873.2	1845.1	1620.7
42.5°	2711.5	2719.8	2706.6	2619.1	2384.8	2138.8	2015.1	2076.1	2076.1	2029.9	1789.0
45°	2879.9	2889.7	2886.5	2858.4	2741.2	2535.0	2307.2	2312.1	2322.1	2249.4	1959.0
47.5°	2935.9	2935.9	2985.5	3038.3	3041.6	2970.6	2676.8	2571.2	2558.1	2482.1	2140.5
50°	2784.1	2789.1	2911.2	3107.6	3261.1	3361.7	3091.1	2863.4	2832.0	2737.9	2345.2
52.5°	2365.0	2360.0	2571.2	2967.3	3381.5	3650.6	3429.5	3183.5	3140.6	2952.5	2518.4
55°	1901.2	1935.9	2153.7	2541.5	3262.8	3794.2	3700.1	3520.2	3431.1	3193.5	2681.9
57.5°	1430.9	1487.0	1792.3	2120.7	2800.6	3691.8	3860.2	3847.0	3761.1	3399.7	2825.4
60°	919.2	970.4	1290.5	1696.5	2262.6	3274.3	3888.2	4058.2	4015.3	3584.6	2965.7
62.5°	600.7	640.3	838.4	1288.9	1719.7	2475.5	3756.2	4186.9	4145.7	3706.7	3033.3
65°	353.2	368.0	496.7	882.9	1262.5	1612.4	3401.4	4157.3	4183.6	3814.0	3076.3
67.5°	254.2	255.8	315.2	490.2	891.2	930.8	2569.6	3985.6	4043.3	3850.2	3061.4
70°	216.2	222.8	264.0	323.5	623.8	488.5	1488.6	3597.7	3739.7	3800.8	3023.5
72.5°	166.7	176.6	217.8	277.3	447.2	330.0	564.4	2894.8	3087.8	3429.5	2879.9
75°	105.6	115.5	161.8	221.1	316.9	264.0	229.4	1741.2	1945.8	2374.8	2305.5
77.5°	62.7	64.4	99.0	158.4	280.5	196.4	133.7	604.0	798.7	1156.9	1183.3
80°	31.3	34.7	54.5	100.7	173.3	145.2	80.9	183.2	229.4	399.4	277.3
82.5°	18.2	19.8	29.7	56.1	90.7	85.8	44.6	80.9	90.7	108.9	47.8
85°	1.6	3.3	14.9	23.1	31.3	19.8	18.2	33.0	34.7	49.5	16.5
87.5°	0.0	0.0	1.6	1.6	3.3	3.3	4.9	6.6	6.6	6.6	4.9
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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	623.8	623.8	614.0	605.7	600.7	594.1	585.8	582.6	577.6	576.0	577.6
5°	640.3	632.1	614.0	599.1	585.8	574.3	562.7	557.8	552.9	552.9	552.9
7.5°	666.7	656.9	635.4	617.2	600.7	590.9	572.7	554.5	538.0	533.1	529.8
10°	704.7	693.1	670.0	650.2	630.5	594.1	542.9	491.8	455.5	437.3	439.0
12.5°	742.7	729.4	708.0	684.9	638.7	551.2	457.1	372.9	318.5	290.5	282.2
15°	785.6	770.7	746.0	711.3	609.0	467.1	333.4	221.1	161.8	142.0	135.3
17.5°	833.4	812.0	787.2	717.9	542.9	343.3	184.9	115.5	97.4	92.4	90.7
20°	876.3	858.2	823.6	688.2	447.2	211.3	104.0	85.8	79.2	76.0	76.0
22.5°	925.8	899.4	858.2	637.0	330.0	118.9	80.9	70.9	64.4	62.7	61.1
25°	977.0	944.0	882.9	567.8	209.6	84.2	67.7	59.4	52.8	49.5	51.1
27.5°	1036.5	985.2	892.9	476.9	120.5	70.9	56.1	47.8	42.9	41.3	41.3
30°	1082.7	1036.5	881.3	374.7	82.5	61.1	46.2	38.0	34.7	33.0	33.0
32.5°	1150.3	1087.6	849.9	245.9	67.7	51.1	38.0	31.3	28.0	28.0	28.0
35°	1242.7	1155.2	798.7	146.9	57.8	42.9	31.3	26.4	24.7	24.7	24.7
37.5°	1361.6	1259.2	752.5	85.8	47.8	34.7	26.4	23.1	21.5	21.5	21.5
40°	1490.3	1376.4	698.1	61.1	39.6	29.7	23.1	19.8	18.2	18.2	19.8
42.5°	1652.0	1510.1	622.2	52.8	34.7	24.7	19.8	16.5	14.9	16.5	16.5
45°	1800.5	1652.0	533.1	44.6	29.7	21.5	16.5	13.2	13.2	14.9	14.9
47.5°	1985.4	1793.9	419.2	39.6	26.4	18.2	13.2	11.6	11.6	13.2	13.2
50°	2153.7	1937.5	308.6	34.7	23.1	14.9	11.6	9.9	9.9	9.9	11.6
52.5°	2323.7	2081.1	236.0	29.7	19.8	13.2	9.9	8.2	6.6	8.2	8.2
55°	2482.1	2195.0	179.9	26.4	16.5	11.6	8.2	6.6	4.9	6.6	6.6
57.5°	2630.6	2282.4	146.9	23.1	14.9	9.9	6.6	4.9	4.9	4.9	4.9
60°	2742.8	2350.1	112.2	19.8	13.2	8.2	4.9	3.3	3.3	3.3	3.3
62.5°	2841.9	2391.4	89.1	16.5	11.6	6.6	3.3	3.3	1.6	1.6	1.6
65°	2903.0	2397.9	70.9	14.9	9.9	6.6	3.3	1.6	0.0	0.0	0.0
67.5°	2927.7	2371.6	57.8	11.6	8.2	4.9	3.3	1.6	0.0	0.0	0.0
70°	2917.8	2284.1	44.6	9.9	6.6	3.3	3.3	1.6	0.0	0.0	0.0
72.5°	2789.1	2025.0	33.0	8.2	4.9	3.3	1.6	1.6	0.0	0.0	0.0
75°	2181.8	1090.9	23.1	6.6	3.3	3.3	1.6	1.6	0.0	0.0	0.0
77.5°	1155.2	387.8	14.9	4.9	3.3	1.6	1.6	1.6	0.0	0.0	0.0
80°	208.0	80.9	6.6	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
82.5°	33.0	8.2	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
85°	11.6	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	1.6	1.6	1.6	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)