

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: P511317

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-8)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6516.9 lumens
Efficiency: N/A
Efficacy: 69.8 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

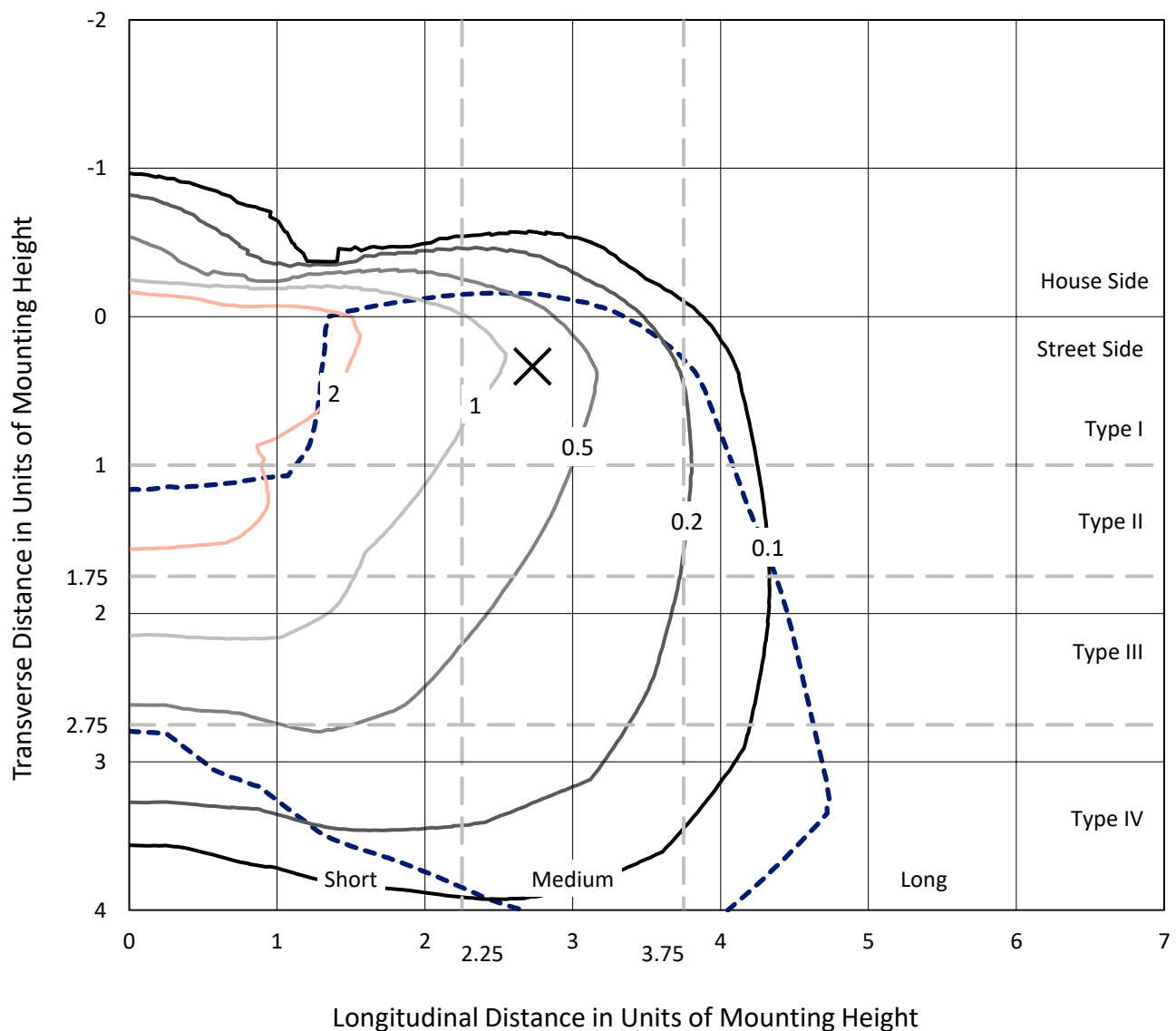


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

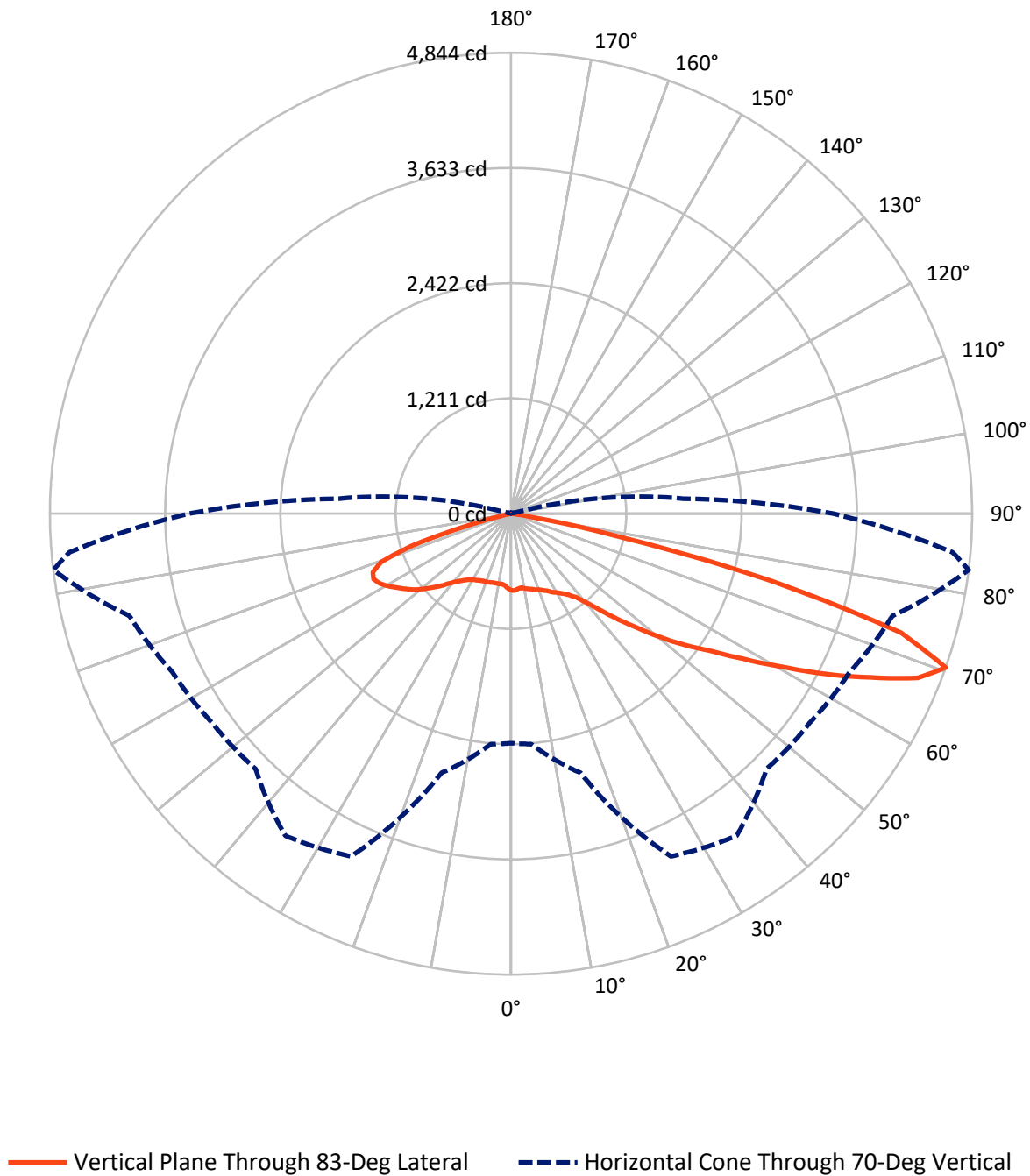


Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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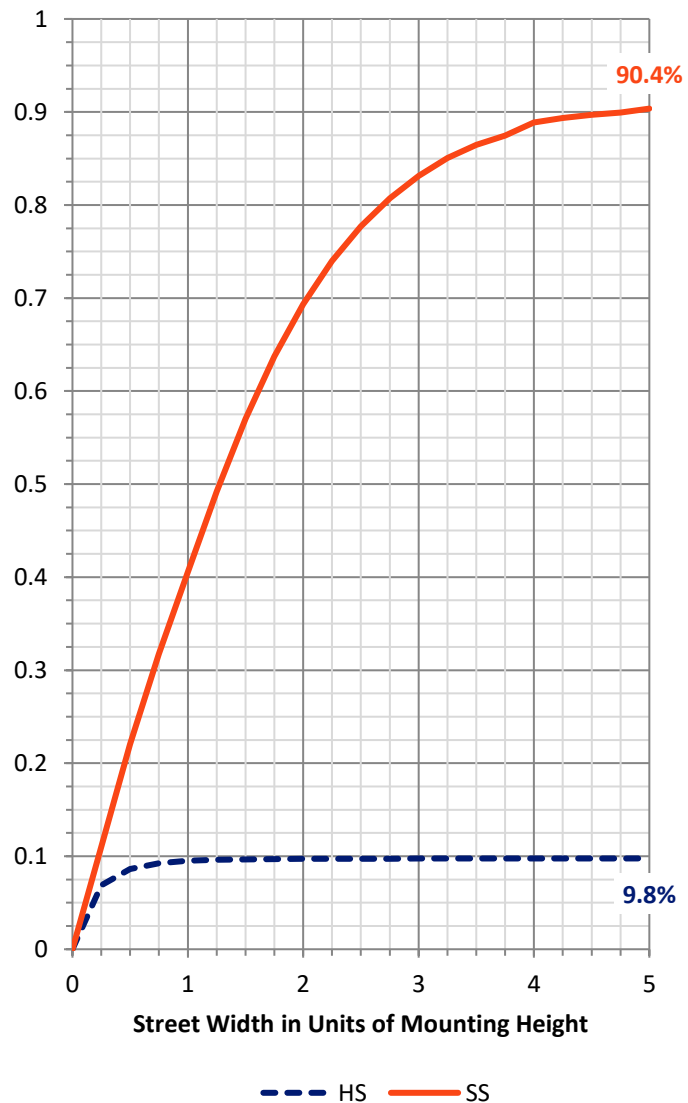
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	641.7	0.0	641.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	5875.2	0.0	5875.2
	% Fixture	90.2	0.0	90.2
Total	Lumens	6516.9	0.0	6516.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	1.1
10°-20°	194.8	3.0
20°-30°	308.4	4.7
30°-40°	436.2	6.7
40°-50°	715.2	11.0
50°-60°	1262.9	19.4
60°-70°	1864.1	28.6
70°-80°	1538.5	23.6
80°-90°	123.9	1.9
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°	6516.9	100.0
0°-180°	6516.9	100.0

Coefficient of Utilization



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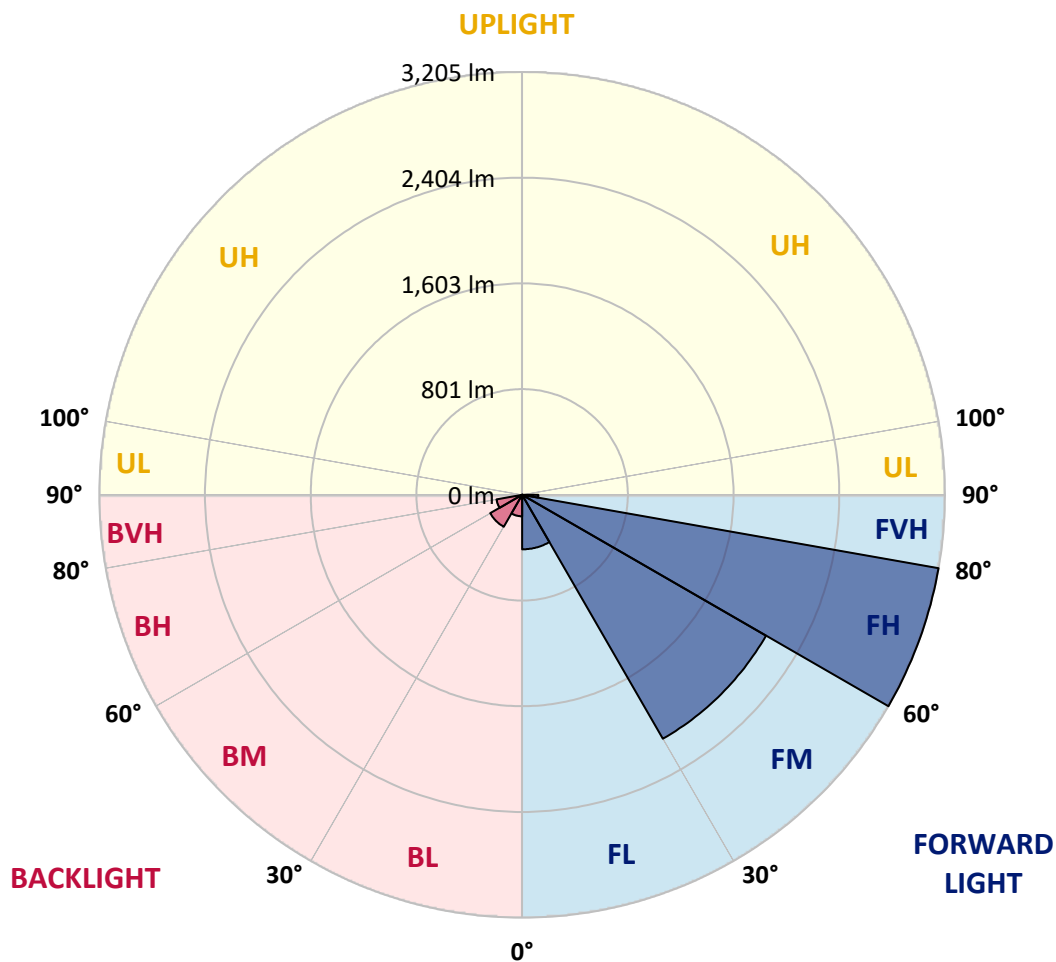
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.4	6.3			
FM	(30°-60°)	2134.6	32.8			
FH	(60°-80°)	3205.0	49.2			G2/5000
FVH	(80°-90°)	122.2	1.9			G2/225
BL	(0°-30°)	162.8	2.5	B1/500		
BM	(30°-60°)	279.6	4.3	B1/1000		
BH	(60°-80°)	197.5	3.0	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	65°	75°	83°	85°
0°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	856.4	856.4	852.5	852.5	842.7	838.7	828.9	821.1	811.2	807.3	801.4
5°	903.5	901.5	895.7	889.8	868.2	856.4	840.7	821.1	803.4	791.5	783.7
7.5°	950.6	948.7	942.8	927.1	903.5	881.9	854.4	830.8	803.4	785.7	781.7
10°	1001.8	1005.7	986.0	964.4	929.0	899.6	874.1	852.5	821.1	799.4	789.6
12.5°	1046.9	1039.0	1021.3	993.9	952.6	919.2	899.6	872.1	838.7	811.2	801.4
15°	1076.4	1070.5	1054.8	1019.4	970.3	942.8	919.2	889.8	856.4	823.0	813.1
17.5°	1098.0	1098.0	1080.3	1033.2	984.1	966.4	940.9	913.4	872.1	840.7	830.8
20°	1109.7	1115.7	1100.0	1052.8	1001.8	986.0	966.4	936.9	893.7	852.5	844.6
22.5°	1115.7	1119.6	1119.6	1060.7	1015.5	1003.7	988.0	960.5	911.4	876.0	864.3
25°	1115.7	1123.5	1123.5	1062.6	1031.2	1019.4	1011.6	986.0	944.8	899.6	889.8
27.5°	1123.5	1119.6	1127.4	1070.5	1048.9	1046.9	1043.0	1025.3	978.2	935.0	919.2
30°	1119.6	1117.7	1125.5	1078.3	1070.5	1080.3	1082.3	1064.6	1003.7	962.5	954.6
32.5°	1147.1	1139.3	1131.4	1086.2	1094.1	1115.7	1115.7	1098.0	1041.0	1001.8	993.9
35°	1202.1	1160.9	1153.0	1111.7	1113.7	1135.3	1149.1	1139.3	1084.2	1048.9	1043.0
37.5°	1206.0	1190.3	1210.0	1149.1	1149.1	1172.6	1200.1	1198.1	1160.9	1117.7	1117.7
40°	1292.4	1280.7	1323.9	1213.9	1202.1	1233.5	1266.9	1288.5	1263.0	1233.5	1229.6
42.5°	1539.9	1526.1	1543.8	1308.2	1278.7	1329.8	1373.0	1414.3	1400.5	1392.6	1388.7
45°	1850.3	1848.3	1860.1	1490.8	1384.7	1445.7	1488.9	1551.7	1563.5	1591.0	1591.0
47.5°	2201.9	2170.4	2152.8	1787.4	1543.8	1555.7	1640.1	1724.6	1785.5	1799.2	1820.8
50°	2443.4	2441.5	2406.2	2168.4	1854.2	1716.7	1816.9	1926.9	2044.7	2048.6	2066.3
52.5°	2643.8	2639.9	2641.8	2559.3	2209.7	1919.1	2017.2	2168.4	2282.4	2294.2	2309.9
55°	2736.1	2747.9	2810.7	2846.1	2604.5	2176.3	2251.0	2400.2	2533.8	2547.6	2582.9
57.5°	2879.5	2873.6	2973.8	3144.7	3015.0	2486.7	2504.3	2657.6	2779.3	2881.4	2905.0
60°	3085.7	3060.2	3160.4	3427.5	3258.6	2755.8	2743.9	2905.0	3056.3	3264.5	3288.1
62.5°	3187.9	3146.6	3315.5	3806.6	3517.9	3011.1	3024.9	3162.4	3347.0	3714.3	3820.3
65°	3015.0	2997.3	3380.4	3802.6	3824.3	3248.7	3309.7	3417.7	3667.2	4150.4	4278.0
67.5°	2571.1	2590.8	3231.1	3922.5	3999.1	3513.9	3574.9	3726.1	3942.2	4608.0	4608.0
70°	2412.0	2429.7	2818.6	3973.6	4132.7	3794.8	3832.2	3928.4	4148.4	4843.7	4655.2
72.5°	2054.5	2086.0	2512.2	3838.0	4305.5	4075.7	4008.9	4077.6	4113.0	4285.8	3930.3
75°	785.7	828.9	1606.7	2971.8	4246.6	4386.1	4152.3	3889.1	3466.8	2834.3	2545.6
77.5°	153.2	157.1	373.2	1414.3	3056.3	4136.6	3828.2	2997.3	1954.4	1107.8	1076.4
80°	60.9	64.8	112.0	418.4	1402.4	2390.4	2502.4	1508.5	622.6	227.9	190.5
82.5°	25.5	25.5	53.0	147.3	491.0	608.9	866.2	481.2	165.0	56.9	49.1
85°	3.9	3.9	17.7	53.0	78.5	45.2	212.1	96.2	80.6	21.6	17.7
87.5°	0.0	0.0	2.0	2.0	3.9	3.9	5.9	7.8	11.8	3.9	3.9
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°	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3	805.3
2.5°	799.4	791.5	777.8	768.0	762.1	756.2	754.3	742.4	746.4	744.4	744.4
5°	775.9	764.1	746.4	724.8	713.0	701.3	687.5	675.7	667.8	661.9	673.7
7.5°	766.0	752.3	718.9	691.4	663.9	632.5	604.9	579.4	565.7	555.9	555.9
10°	772.0	756.2	715.0	669.8	612.9	546.1	493.0	445.8	428.2	418.4	402.7
12.5°	779.8	758.2	707.1	636.4	548.0	445.8	367.3	310.4	288.8	276.9	275.0
15°	791.5	762.1	699.2	591.2	461.6	335.9	245.5	212.1	214.1	222.0	223.9
17.5°	803.4	772.0	687.5	540.2	371.2	241.6	196.5	190.5	196.5	208.2	210.2
20°	815.1	785.7	671.7	477.3	280.9	190.5	180.7	180.7	186.6	198.4	200.4
22.5°	832.8	793.6	646.2	400.7	210.2	174.8	172.9	174.8	178.8	188.5	192.5
25°	858.3	811.2	614.8	324.1	174.8	166.9	166.9	165.0	166.9	176.8	180.7
27.5°	881.9	836.7	583.3	245.5	155.2	155.2	157.1	155.2	155.2	163.0	166.9
30°	915.3	862.3	538.2	182.7	143.4	141.4	143.4	143.4	143.4	149.2	153.2
32.5°	958.5	899.6	491.0	147.3	131.6	127.7	127.7	131.6	131.6	135.5	137.5
35°	1017.4	948.7	436.1	129.7	121.8	115.9	112.0	115.9	119.8	121.8	123.7
37.5°	1096.0	1013.5	377.1	119.8	113.9	106.1	100.1	100.1	102.1	106.1	110.0
40°	1223.7	1088.1	304.4	113.9	108.1	96.2	88.4	86.4	86.4	88.4	90.4
42.5°	1388.7	1182.4	227.9	110.0	104.1	86.4	78.5	72.7	68.7	68.7	70.7
45°	1585.1	1294.4	168.9	104.1	102.1	78.5	68.7	60.9	51.1	49.1	51.1
47.5°	1814.9	1390.7	125.7	96.2	94.3	68.7	59.0	47.1	35.4	35.4	35.4
50°	2050.6	1496.7	102.1	86.4	84.5	62.9	47.1	33.4	25.5	25.5	27.5
52.5°	2288.3	1598.9	92.3	78.5	76.6	56.9	35.4	23.6	19.7	21.6	21.6
55°	2512.2	1679.4	88.4	72.7	68.7	49.1	27.5	17.7	15.7	17.7	17.7
57.5°	2765.6	1765.8	82.5	66.8	56.9	37.3	21.6	15.7	13.8	15.7	15.7
60°	3018.9	1854.2	74.6	60.9	45.2	27.5	17.7	13.8	11.8	13.8	13.8
62.5°	3256.7	1936.7	62.9	51.1	35.4	21.6	15.7	11.8	9.8	11.8	13.8
65°	3443.2	1987.7	45.2	39.3	27.5	19.7	13.8	9.8	7.8	9.8	11.8
67.5°	3525.7	1962.2	33.4	29.4	21.6	15.7	11.8	7.8	5.9	7.8	9.8
70°	3384.3	1814.9	23.6	21.6	15.7	13.8	9.8	5.9	3.9	5.9	7.8
72.5°	2743.9	1374.9	19.7	17.7	11.8	11.8	9.8	5.9	3.9	3.9	3.9
75°	1677.4	599.1	15.7	13.8	7.8	9.8	7.8	3.9	2.0	3.9	3.9
77.5°	614.8	133.6	11.8	7.8	5.9	7.8	5.9	3.9	2.0	2.0	2.0
80°	141.4	31.4	5.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0
82.5°	35.4	5.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	13.8	3.9	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	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)