

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: P511243

Luminaire Tested: **PRV-P-PA1C-8540-U-T3-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511243
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-PA1C-8540-U-T3-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA 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: 5621.1 lumens
Efficiency: N/A
Efficacy: 78.0 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): 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

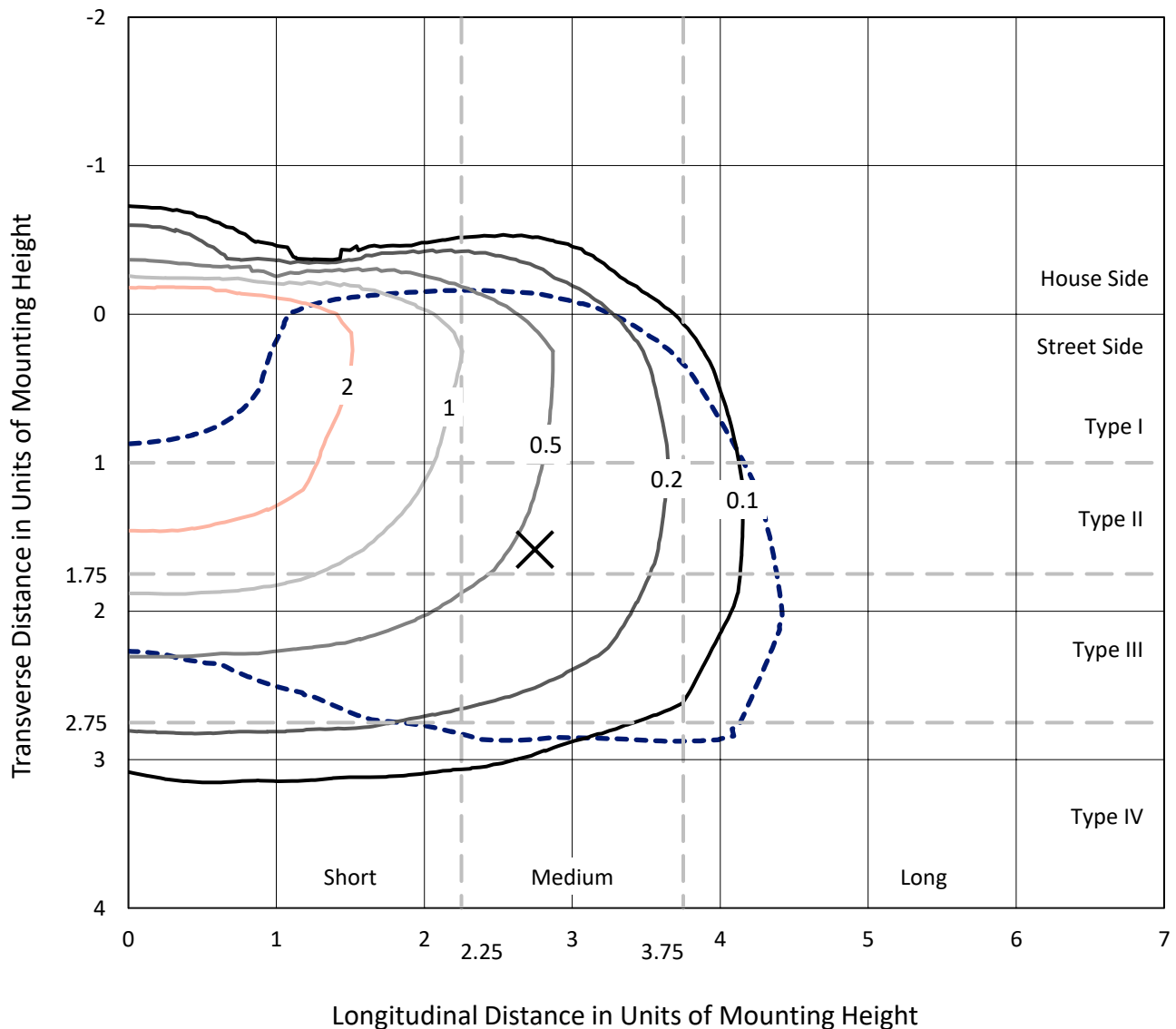


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

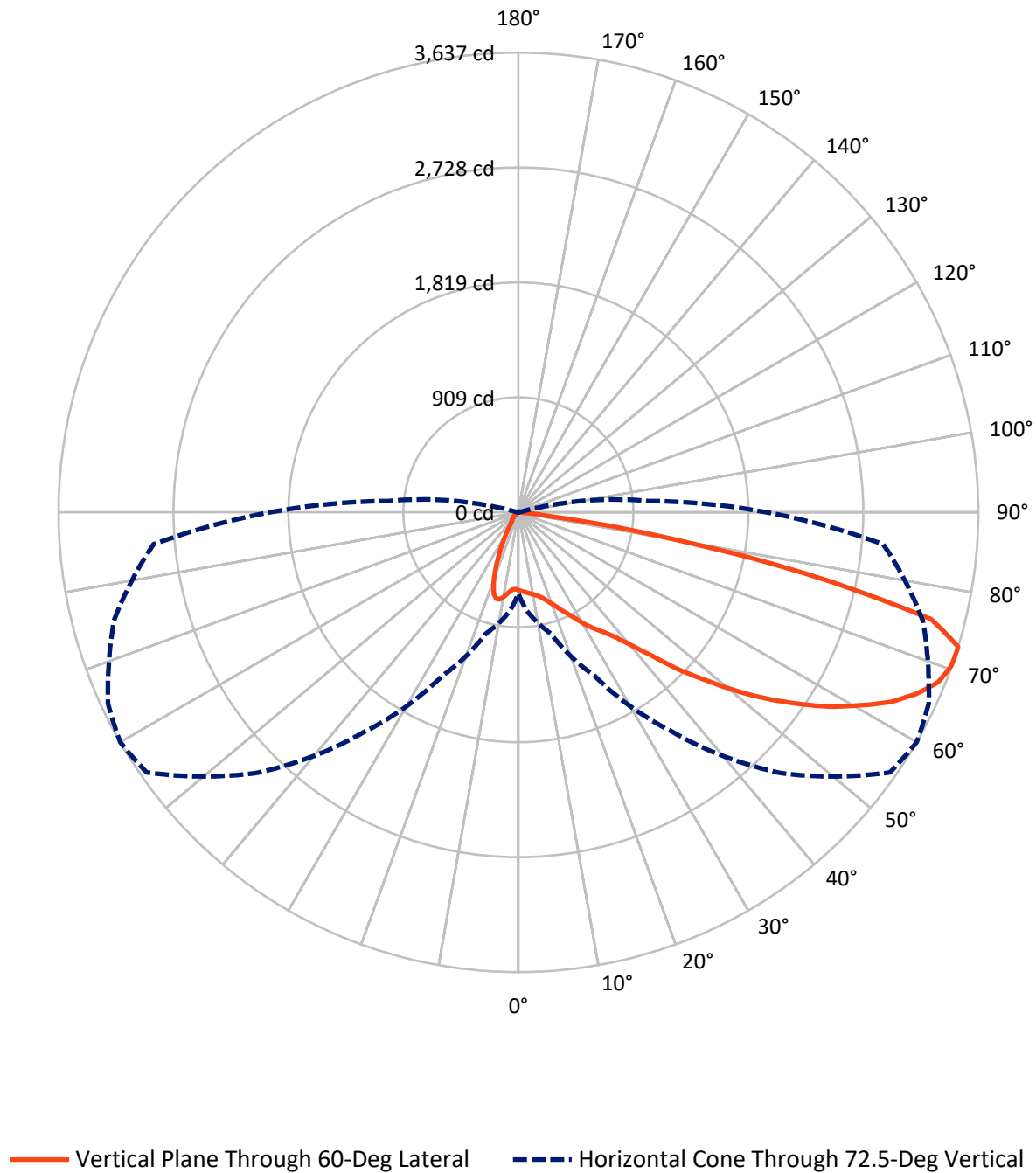


Based on 15 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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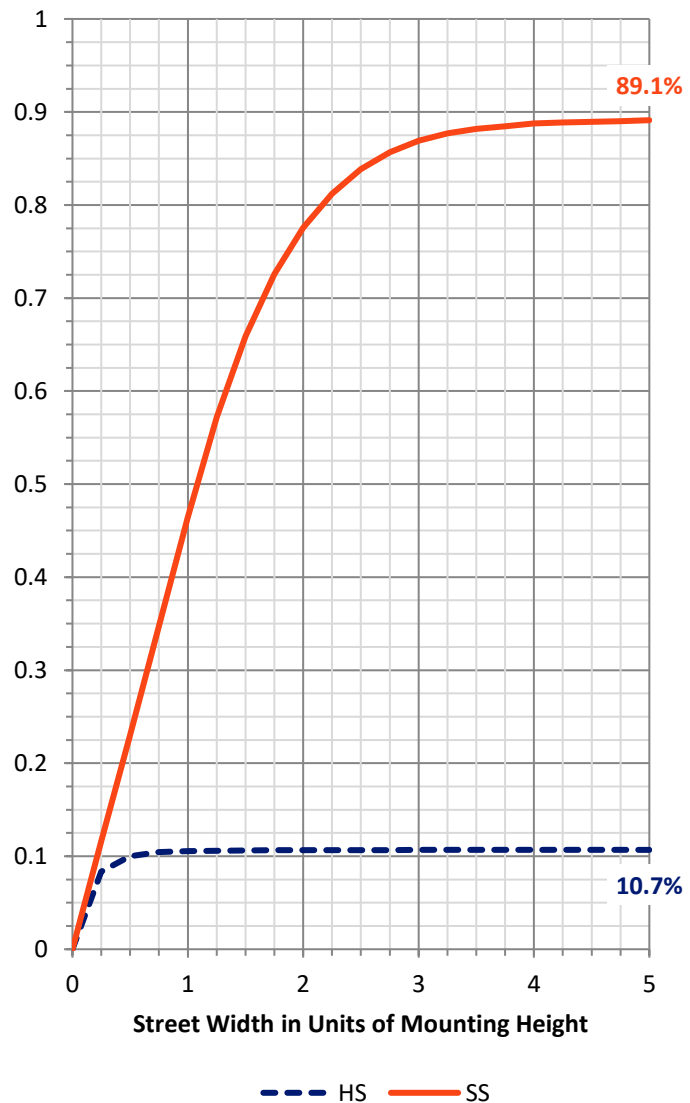
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.0	0.0	606.0
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5015.2	0.0	5015.2
	% Fixture	89.2	0.0	89.2
Total	Lumens	5621.1	0.0	5621.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.1
10°-20°	163.3	2.9
20°-30°	269.6	4.8
30°-40°	475.9	8.5
40°-50°	835.1	14.9
50°-60°	1309.1	23.3
60°-70°	1542.8	27.4
70°-80°	921.7	16.4
80°-90°	44.0	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°	5621.1	100.0
0°-180°	5621.1	100.0

Coefficient of Utilization



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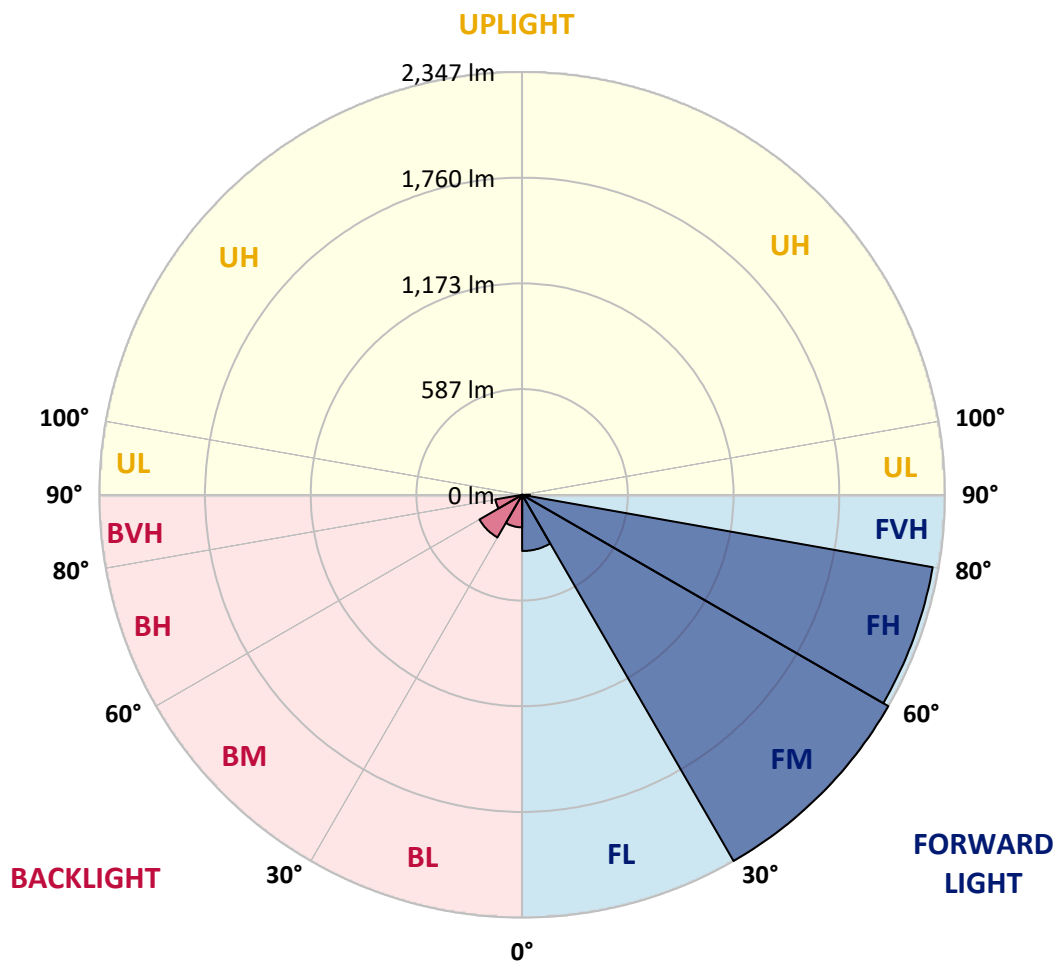
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.0	5.6			
FM	(30°-60°)	2346.5	41.7			
FH	(60°-80°)	2313.7	41.2			G2/5000
FVH	(80°-90°)	42.9	0.8			G1/100
BL	(0°-30°)	180.6	3.2	B1/500		
BM	(30°-60°)	273.5	4.9	B1/1000		
BH	(60°-80°)	150.8	2.7	B1/500		G1/500
BVH	(80°-90°)	1.0	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°	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2
2.5°	633.8	635.4	628.8	635.4	632.1	632.1	630.5	627.1	623.8	622.2	622.2
5°	623.8	623.8	618.9	630.5	633.8	635.4	637.0	635.4	637.0	628.8	628.8
7.5°	576.0	577.6	582.6	597.4	612.3	630.5	648.6	648.6	651.9	653.6	650.3
10°	561.1	561.1	561.1	580.9	594.1	625.5	650.3	661.8	670.1	676.7	684.9
12.5°	556.2	554.5	561.1	584.2	604.0	630.5	665.1	676.7	689.8	709.6	721.2
15°	556.2	556.2	557.8	584.2	612.3	648.6	683.2	699.8	714.6	742.7	759.2
17.5°	571.0	569.4	571.0	592.5	618.9	666.7	719.6	736.1	752.5	779.0	803.7
20°	585.9	584.2	582.6	605.7	632.1	688.2	752.5	777.4	805.4	825.2	846.7
22.5°	612.3	610.7	604.0	618.9	648.6	714.6	793.8	826.8	854.9	874.7	892.9
25°	703.1	698.1	675.0	658.5	680.0	741.0	836.7	883.0	917.6	932.5	942.3
27.5°	863.2	869.8	818.5	752.5	724.5	780.7	887.9	944.0	982.0	993.5	982.0
30°	1085.9	1076.1	1013.4	924.2	828.5	830.1	955.6	1021.6	1066.1	1071.1	1041.4
32.5°	1282.3	1280.7	1214.7	1117.3	973.7	917.6	1011.7	1094.2	1147.0	1147.0	1097.5
35°	1454.0	1445.7	1384.7	1302.1	1165.2	1044.7	1084.3	1163.5	1231.2	1227.9	1168.5
37.5°	1589.3	1586.0	1549.7	1473.8	1359.9	1213.0	1180.0	1255.9	1345.0	1340.1	1267.5
40°	1732.9	1736.2	1724.6	1648.8	1529.9	1412.7	1333.5	1386.3	1473.8	1480.4	1404.5
42.5°	1914.4	1919.4	1896.3	1823.7	1718.1	1615.7	1543.1	1551.4	1635.5	1645.4	1538.1
45°	2135.6	2133.9	2107.5	2038.2	1935.9	1836.8	1782.4	1769.2	1808.8	1831.9	1723.0
47.5°	2305.5	2308.9	2310.6	2285.7	2181.8	2112.5	2025.0	1977.2	2021.7	2034.9	1906.2
50°	2440.9	2488.8	2470.6	2495.3	2447.5	2406.2	2267.6	2213.1	2246.2	2262.6	2117.5
52.5°	2538.3	2576.2	2596.0	2670.3	2686.8	2723.1	2511.9	2445.9	2454.1	2464.0	2308.9
55°	2505.3	2528.4	2638.9	2771.0	2909.6	3026.8	2729.7	2670.3	2668.6	2672.0	2544.9
57.5°	2407.9	2442.6	2632.4	2799.1	3064.7	3236.4	2967.4	2901.3	2901.3	2851.8	2787.5
60°	2290.7	2312.2	2546.6	2785.8	3148.9	3368.4	3155.5	3101.1	3099.4	3031.8	3049.9
62.5°	2147.1	2158.7	2361.7	2703.3	3114.2	3358.5	3340.4	3305.7	3289.2	3182.0	3256.2
65°	1962.3	1963.9	2137.3	2546.6	3020.2	3340.4	3459.2	3460.9	3449.3	3317.3	3436.1
67.5°	1663.6	1696.6	1845.1	2282.4	2848.6	3300.7	3533.4	3582.9	3564.8	3401.4	3469.1
70°	1275.7	1317.0	1513.4	1894.6	2584.5	3200.0	3599.5	3634.1	3606.1	3412.9	3348.6
72.5°	642.0	783.9	993.5	1427.6	2117.5	2912.9	3587.9	3637.4	3581.3	3312.3	2896.4
75°	105.6	117.2	267.4	658.5	1328.5	2335.3	3323.8	3371.8	3284.2	2762.7	1874.8
77.5°	66.0	70.9	108.9	277.3	452.2	1130.5	2381.5	2303.9	2300.6	1653.7	798.8
80°	39.6	41.3	57.8	125.4	242.6	239.3	1155.2	1100.8	990.3	425.8	163.4
82.5°	23.1	24.7	42.9	64.4	133.7	80.9	176.6	229.4	245.9	85.8	33.0
85°	1.6	1.6	13.2	29.7	31.3	18.2	21.5	36.3	33.0	41.3	14.9
87.5°	0.0	0.0	0.0	1.6	3.3	3.3	4.9	4.9	4.9	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°	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2	617.2
2.5°	617.2	620.5	612.3	610.7	604.0	605.7	607.4	605.7	605.7	607.4	609.0
5°	625.5	623.8	617.2	615.6	610.7	614.0	615.6	617.2	620.5	618.9	618.9
7.5°	645.3	646.9	640.3	640.3	637.0	637.0	633.8	630.5	628.8	625.5	632.1
10°	683.2	684.9	680.0	678.3	671.7	656.9	627.1	590.9	552.9	538.0	543.0
12.5°	717.9	727.8	721.2	716.3	689.8	627.1	521.6	429.1	374.7	341.6	344.9
15°	759.2	767.4	764.1	746.0	663.4	503.4	351.6	250.9	211.3	189.8	196.4
17.5°	802.1	810.3	803.7	759.2	577.6	344.9	204.7	153.5	143.6	138.7	140.3
20°	848.3	856.5	841.7	727.8	440.7	216.2	138.7	132.0	130.4	130.4	130.4
22.5°	894.5	902.7	879.6	656.9	303.6	142.0	127.1	123.8	122.1	118.9	120.5
25°	934.1	952.3	906.1	552.9	184.9	123.8	118.9	115.5	110.6	107.3	108.9
27.5°	980.3	996.8	897.8	425.8	130.4	115.5	108.9	102.3	97.4	94.0	94.0
30°	1033.2	1049.6	858.2	278.9	113.8	105.6	97.4	89.1	80.9	77.6	77.6
32.5°	1087.6	1100.8	793.8	170.0	102.3	94.0	84.2	72.6	64.4	59.4	59.4
35°	1158.5	1160.2	716.3	113.8	90.7	80.9	69.3	57.8	47.8	44.6	44.6
37.5°	1252.6	1241.1	620.5	94.0	79.2	67.7	54.5	42.9	36.3	33.0	34.7
40°	1379.7	1326.9	508.3	82.5	69.3	56.1	41.3	31.3	26.4	26.4	26.4
42.5°	1513.4	1414.4	384.5	76.0	61.1	44.6	29.7	23.1	21.5	21.5	21.5
45°	1671.9	1498.5	250.9	67.7	51.1	34.7	21.5	16.5	16.5	18.2	18.2
47.5°	1830.3	1572.8	150.2	59.4	42.9	26.4	16.5	13.2	13.2	14.9	16.5
50°	2008.5	1637.2	100.7	52.8	36.3	19.8	13.2	11.6	11.6	14.9	14.9
52.5°	2188.4	1676.8	79.2	44.6	28.0	16.5	11.6	9.9	9.9	13.2	13.2
55°	2340.2	1709.8	67.7	38.0	21.5	13.2	11.6	9.9	9.9	11.6	13.2
57.5°	2485.5	1721.3	57.8	31.3	16.5	13.2	9.9	8.2	8.2	11.6	11.6
60°	2601.0	1713.1	49.5	24.7	14.9	11.6	8.2	6.6	6.6	9.9	11.6
62.5°	2680.2	1685.0	38.0	18.2	13.2	11.6	8.2	4.9	6.6	8.2	9.9
65°	2721.5	1625.6	28.0	14.9	11.6	9.9	6.6	4.9	4.9	6.6	6.6
67.5°	2645.5	1531.5	21.5	11.6	9.9	9.9	6.6	3.3	3.3	4.9	4.9
70°	2432.6	1391.2	18.2	9.9	8.2	8.2	4.9	3.3	1.6	3.3	3.3
72.5°	1962.3	1033.2	14.9	8.2	6.6	6.6	4.9	1.6	1.6	1.6	3.3
75°	1199.8	338.3	9.9	6.6	4.9	4.9	3.3	1.6	1.6	1.6	1.6
77.5°	468.7	84.2	6.6	3.3	3.3	3.3	1.6	1.6	0.0	1.6	1.6
80°	87.5	16.5	3.3	3.3	1.6	1.6	1.6	0.0	0.0	1.6	1.6
82.5°	21.5	4.9	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	1.6
85°	6.6	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	1.6	1.6	1.6	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)