

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: P511169

Luminaire Tested: **PRV-P-PA1B-8540-U-T2U-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511169
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-PA1B-8540-U-T2U-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 670mA 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: 4162.4 lumens
Efficiency: N/A
Efficacy: 78.8 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): 52.8
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

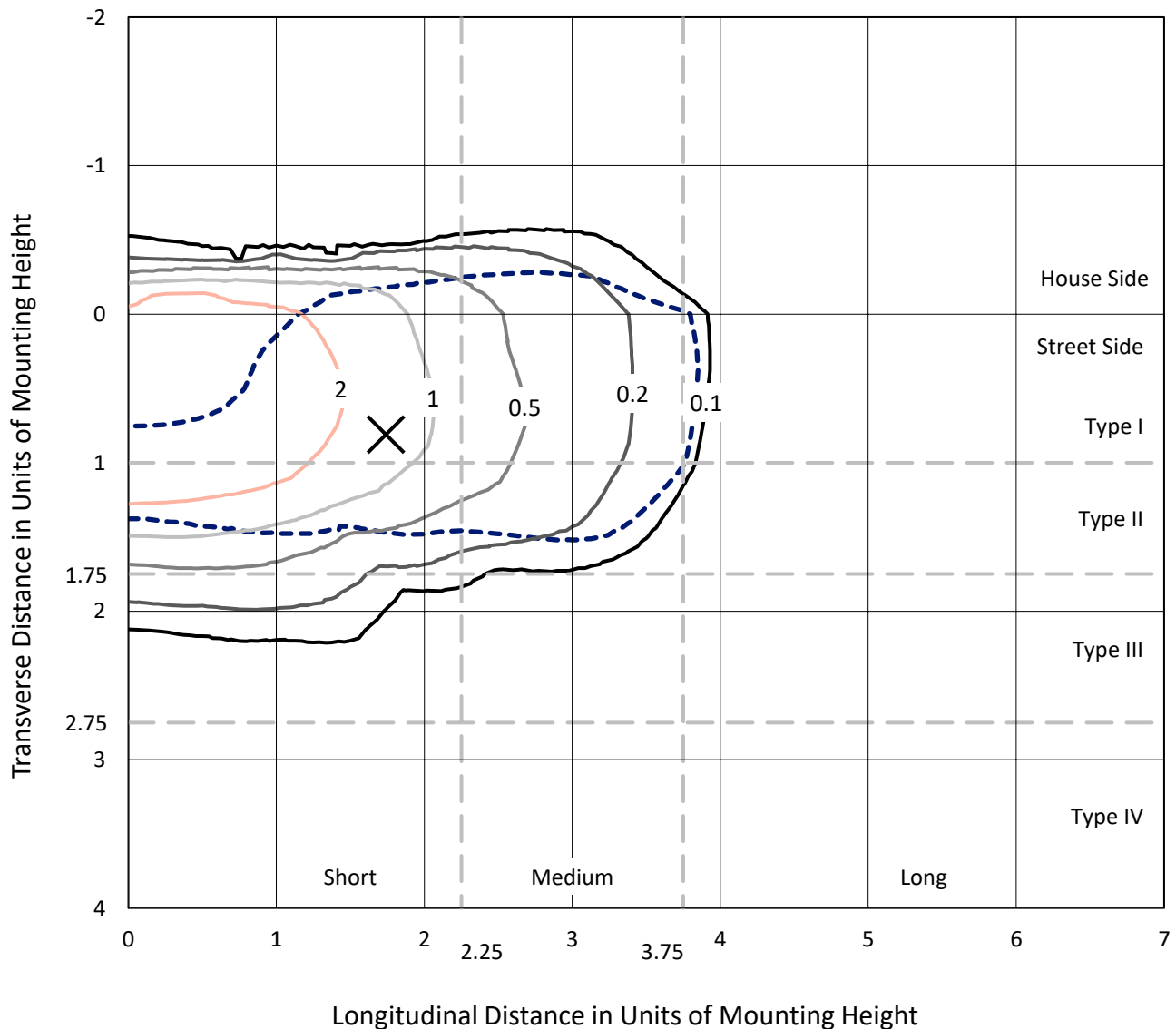


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

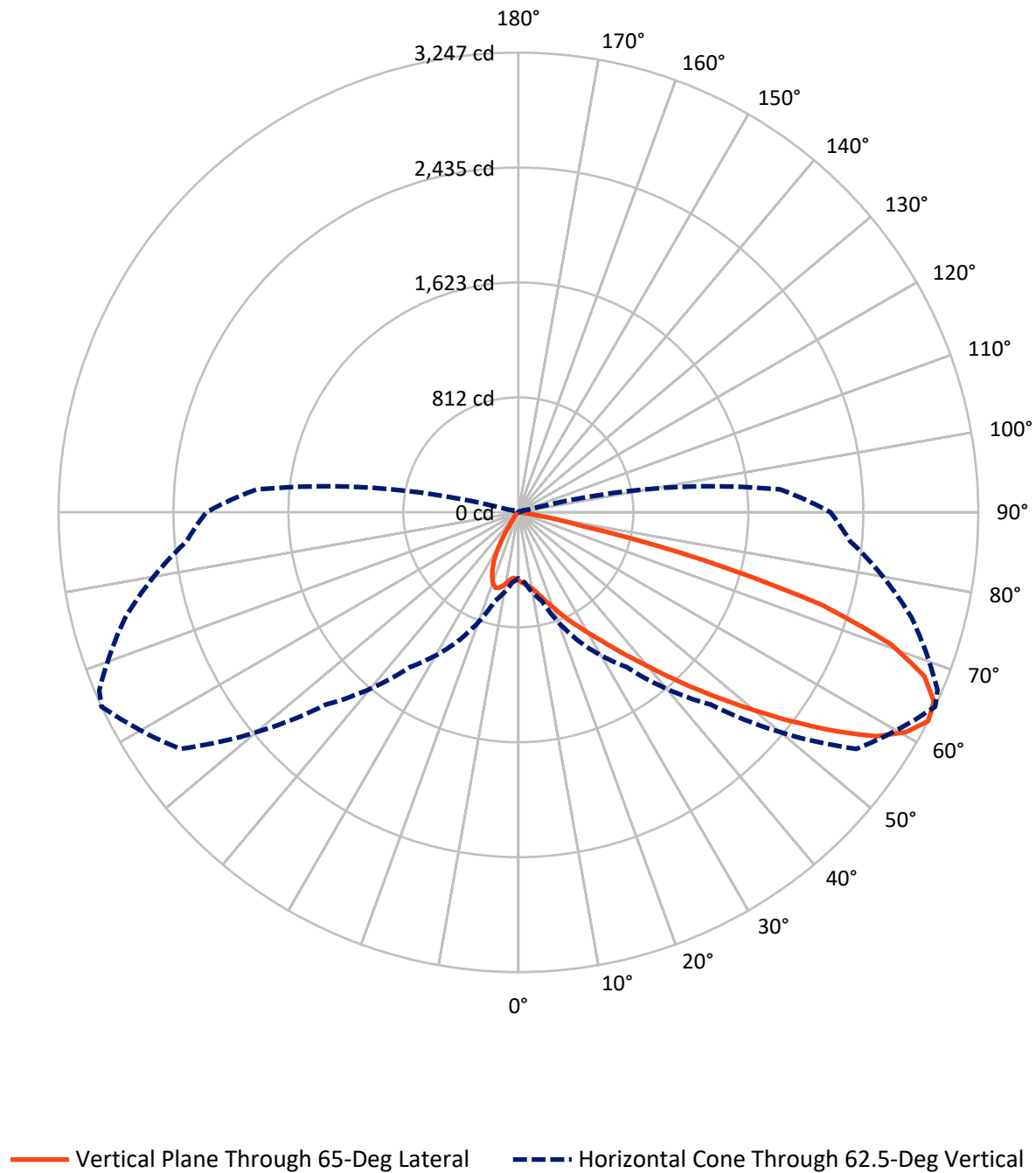


Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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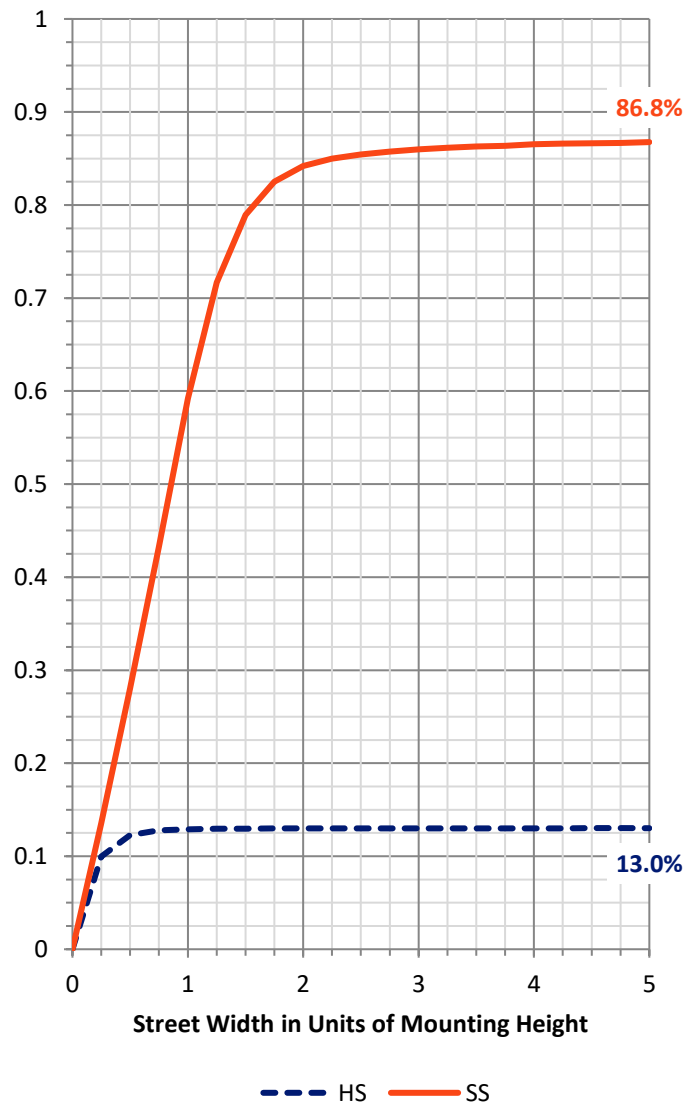
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.8	0.0	547.8
	% Fixture	13.2	0.0	13.2
Street Side	Lumens	3614.6	0.0	3614.6
	% Fixture	86.8	0.0	86.8
Total	Lumens	4162.4	0.0	4162.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	1.1
10°-20°	136.6	3.3
20°-30°	243.6	5.9
30°-40°	444.5	10.7
40°-50°	835.4	20.1
50°-60°	1107.7	26.6
60°-70°	920.6	22.1
70°-80°	408.9	9.8
80°-90°	19.3	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°	4162.4	100.0
0°-180°	4162.4	100.0

Coefficient of Utilization



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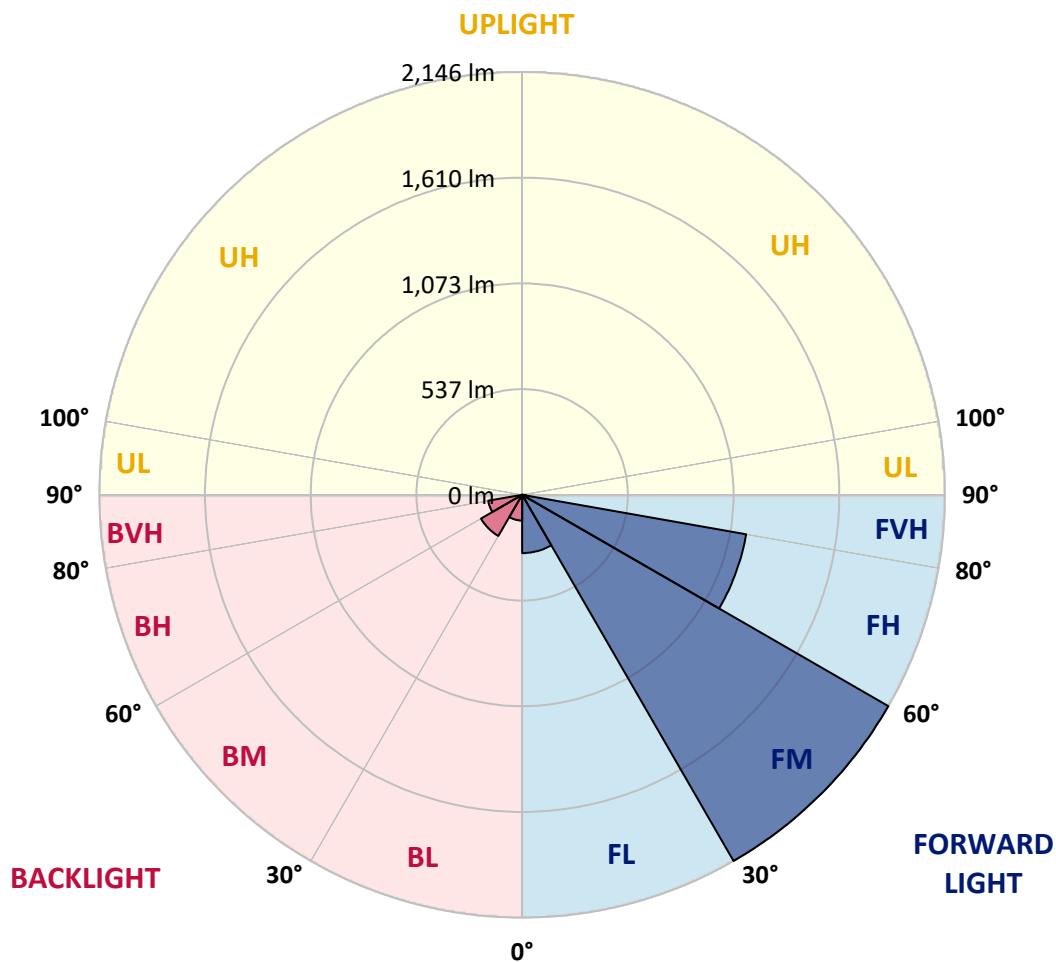
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.8	7.1			
FM	(30°-60°)	2146.4	51.6			
FH	(60°-80°)	1154.6	27.7			G1/1800
FVH	(80°-90°)	17.8	0.4			G1/100
BL	(0°-30°)	130.4	3.1	B1/500		
BM	(30°-60°)	241.1	5.8	B1/1000		
BH	(60°-80°)	174.8	4.2	B1/500		G1/500
BVH	(80°-90°)	1.5	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°	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4
2.5°	501.6	504.2	501.6	505.4	502.9	501.6	500.3	497.8	496.5	491.4	488.8
5°	493.9	493.9	496.5	501.6	502.9	508.0	508.0	509.3	506.8	505.4	499.1
7.5°	487.6	488.8	491.4	497.8	501.6	511.8	518.3	527.2	527.2	523.4	520.9
10°	504.2	505.4	508.0	515.7	519.5	533.6	541.3	549.0	550.2	551.5	550.2
12.5°	531.0	531.0	533.6	540.0	549.0	564.3	574.6	581.0	581.0	584.8	582.2
15°	569.5	568.1	570.7	574.6	579.7	598.8	614.3	624.4	624.4	621.9	614.3
17.5°	609.1	611.7	616.8	616.8	619.4	637.3	657.7	673.1	674.4	668.0	652.6
20°	655.2	657.7	659.1	665.4	662.9	679.5	700.0	724.3	726.9	719.2	692.3
22.5°	694.8	700.0	706.3	712.8	717.9	734.5	751.1	784.4	787.0	778.0	735.8
25°	747.3	743.5	755.0	760.1	770.3	788.2	810.0	851.0	853.5	838.2	787.0
27.5°	797.3	797.3	806.2	821.5	826.6	849.7	872.7	917.5	925.2	907.3	838.2
30°	885.5	891.9	888.1	891.9	886.8	913.7	949.5	996.8	1000.7	976.4	898.3
32.5°	1086.4	1083.8	1049.3	994.3	971.2	996.8	1037.8	1081.3	1087.7	1069.8	958.5
35°	1344.9	1356.4	1296.3	1186.2	1092.8	1092.8	1126.1	1187.5	1191.3	1170.9	1044.2
37.5°	1686.6	1678.9	1590.6	1448.6	1275.8	1220.8	1252.8	1307.8	1314.2	1291.2	1145.3
40°	1919.4	1940.0	1893.8	1753.1	1536.9	1407.6	1391.0	1444.7	1452.4	1430.6	1256.6
42.5°	2102.4	2108.9	2098.6	2030.8	1849.1	1658.4	1562.5	1609.8	1609.8	1574.0	1387.2
45°	2233.0	2240.6	2238.1	2216.4	2125.5	1965.6	1788.9	1792.8	1800.4	1744.1	1518.9
47.5°	2276.5	2276.5	2314.9	2355.8	2358.4	2303.4	2075.6	1993.7	1983.4	1924.6	1659.7
50°	2158.7	2162.6	2257.3	2409.6	2528.6	2606.6	2396.8	2220.2	2195.8	2122.9	1818.4
52.5°	1833.7	1829.9	1993.7	2300.8	2622.0	2830.5	2659.1	2468.4	2435.1	2289.3	1952.7
55°	1474.2	1501.0	1669.9	1970.7	2529.9	2941.9	2869.0	2729.5	2660.4	2476.1	2079.4
57.5°	1109.4	1153.0	1389.7	1644.4	2171.6	2862.6	2993.1	2982.8	2916.3	2636.0	2190.8
60°	712.8	752.5	1000.7	1315.4	1754.4	2538.8	3014.9	3146.6	3113.4	2779.4	2299.5
62.5°	465.8	496.5	650.0	999.4	1333.4	1919.4	2912.4	3246.5	3214.4	2874.1	2352.0
65°	273.8	285.3	385.2	684.6	978.9	1250.2	2637.4	3223.5	3243.9	2957.2	2385.3
67.5°	197.1	198.3	244.4	380.1	691.0	721.7	1992.4	3090.3	3135.1	2985.4	2373.7
70°	167.6	172.7	204.8	250.8	483.7	378.7	1154.2	2789.6	2899.7	2947.1	2344.3
72.5°	129.3	136.9	168.9	215.0	346.8	256.0	437.6	2244.5	2394.3	2659.1	2233.0
75°	81.9	89.6	125.4	171.5	245.7	204.8	177.9	1350.0	1508.7	1841.4	1787.7
77.5°	48.6	49.9	76.8	122.9	217.5	152.3	103.7	468.3	619.4	897.0	917.5
80°	24.4	26.9	42.2	78.1	134.4	112.6	62.7	142.0	177.9	309.7	215.0
82.5°	14.1	15.3	23.0	43.5	70.4	66.6	34.5	62.7	70.4	84.5	37.1
85°	1.3	2.6	11.5	17.9	24.4	15.3	14.1	25.6	26.9	38.4	12.8
87.5°	0.0	0.0	1.3	1.3	2.6	2.6	3.8	5.1	5.1	5.1	3.8
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°	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4	482.4
2.5°	483.7	483.7	476.1	469.6	465.8	460.6	454.3	451.7	447.9	446.6	447.9
5°	496.5	490.1	476.1	464.5	454.3	445.3	436.4	432.5	428.7	428.7	428.7
7.5°	517.0	509.3	492.7	478.6	465.8	458.1	444.0	429.9	417.2	413.3	410.8
10°	546.4	537.5	519.5	504.2	488.8	460.6	421.0	381.3	353.2	339.1	340.4
12.5°	575.8	565.6	549.0	531.0	495.2	427.4	354.5	289.2	247.0	225.2	218.8
15°	609.1	597.6	578.4	551.5	472.2	362.1	258.5	171.5	125.4	110.0	104.9
17.5°	646.2	629.6	610.4	556.6	421.0	266.1	143.3	89.6	75.5	71.6	70.4
20°	679.5	665.4	638.5	533.6	346.8	163.8	80.6	66.6	61.4	58.9	58.9
22.5°	717.9	697.4	665.4	493.9	256.0	92.2	62.7	55.0	49.9	48.6	47.4
25°	757.6	731.9	684.6	440.2	162.6	65.2	52.5	46.0	41.0	38.4	39.7
27.5°	803.6	764.0	692.3	369.8	93.4	55.0	43.5	37.1	33.3	32.0	32.0
30°	839.5	803.6	683.3	290.5	64.0	47.4	35.9	29.4	26.9	25.6	25.6
32.5°	891.9	843.3	659.1	190.7	52.5	39.7	29.4	24.4	21.8	21.8	21.8
35°	963.6	895.8	619.4	113.9	44.8	33.3	24.4	20.4	19.2	19.2	19.2
37.5°	1055.7	976.4	583.5	66.6	37.1	26.9	20.4	17.9	16.6	16.6	16.6
40°	1155.6	1067.2	541.3	47.4	30.7	23.0	17.9	15.3	14.1	14.1	15.3
42.5°	1280.9	1170.9	482.4	41.0	26.9	19.2	15.3	12.8	11.5	12.8	12.8
45°	1396.1	1280.9	413.3	34.5	23.0	16.6	12.8	10.3	10.3	11.5	11.5
47.5°	1539.4	1391.0	325.0	30.7	20.4	14.1	10.3	8.9	8.9	10.3	10.3
50°	1669.9	1502.3	239.3	26.9	17.9	11.5	8.9	7.7	7.7	7.7	8.9
52.5°	1801.8	1613.6	183.0	23.0	15.3	10.3	7.7	6.4	5.1	6.4	6.4
55°	1924.6	1701.9	139.5	20.4	12.8	8.9	6.4	5.1	3.8	5.1	5.1
57.5°	2039.8	1769.7	113.9	17.9	11.5	7.7	5.1	3.8	3.8	3.8	3.8
60°	2126.8	1822.2	87.0	15.3	10.3	6.4	3.8	2.6	2.6	2.6	2.6
62.5°	2203.5	1854.2	69.1	12.8	8.9	5.1	2.6	2.6	1.3	1.3	1.3
65°	2250.9	1859.3	55.0	11.5	7.7	5.1	2.6	1.3	0.0	0.0	0.0
67.5°	2270.1	1838.9	44.8	8.9	6.4	3.8	2.6	1.3	0.0	0.0	0.0
70°	2262.4	1771.1	34.5	7.7	5.1	2.6	2.6	1.3	0.0	0.0	0.0
72.5°	2162.6	1570.1	25.6	6.4	3.8	2.6	1.3	1.3	0.0	0.0	0.0
75°	1691.7	845.9	17.9	5.1	2.6	2.6	1.3	1.3	0.0	0.0	0.0
77.5°	895.8	300.8	11.5	3.8	2.6	1.3	1.3	1.3	0.0	0.0	0.0
80°	161.2	62.7	5.1	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	25.6	6.4	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
85°	8.9	3.8	2.6	2.6	1.3	1.3	1.3	1.3	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	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)