

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: P511240

Luminaire Tested: **PRV-P-PA1C-8540-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
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-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7434.6 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - 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



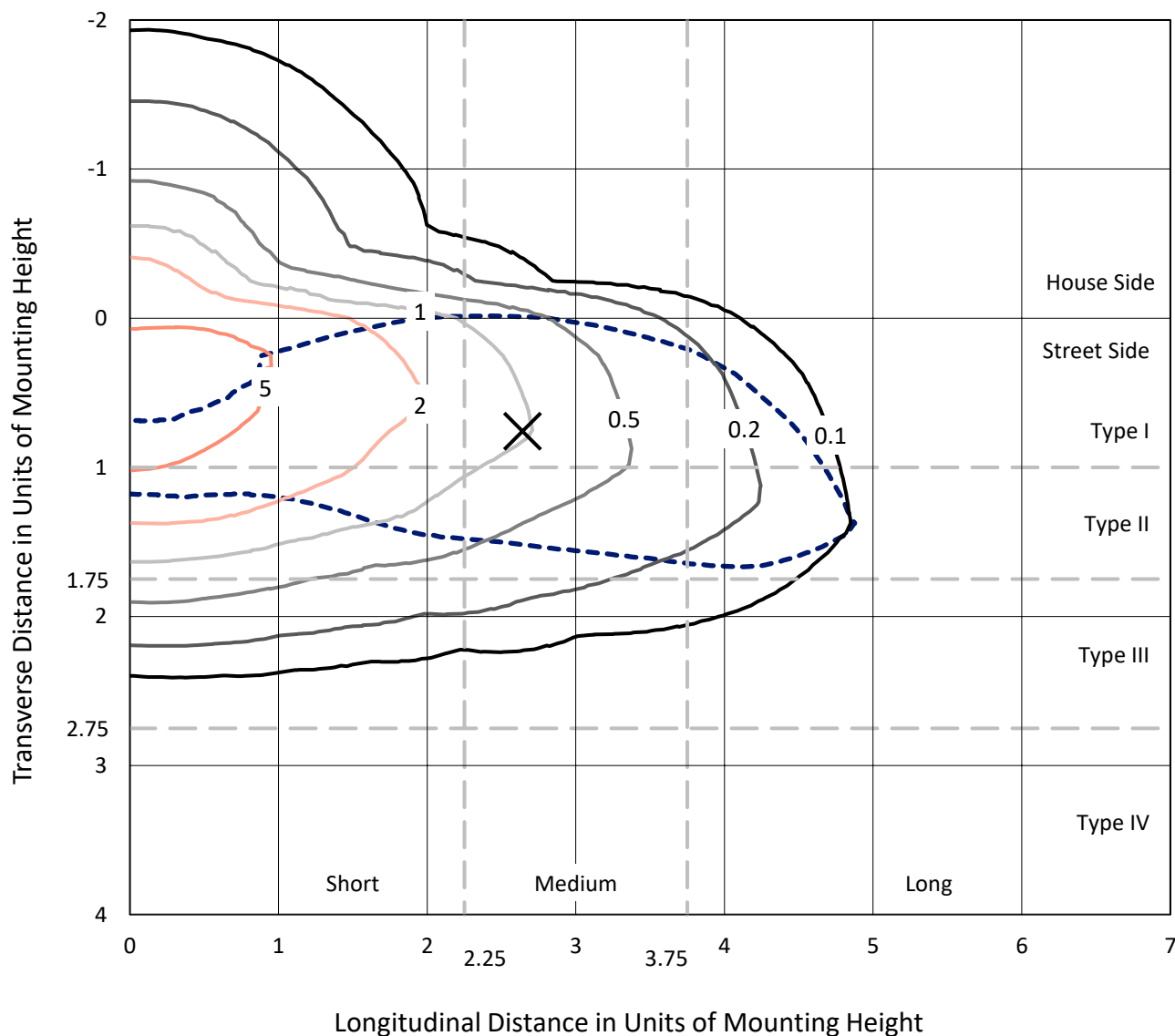
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

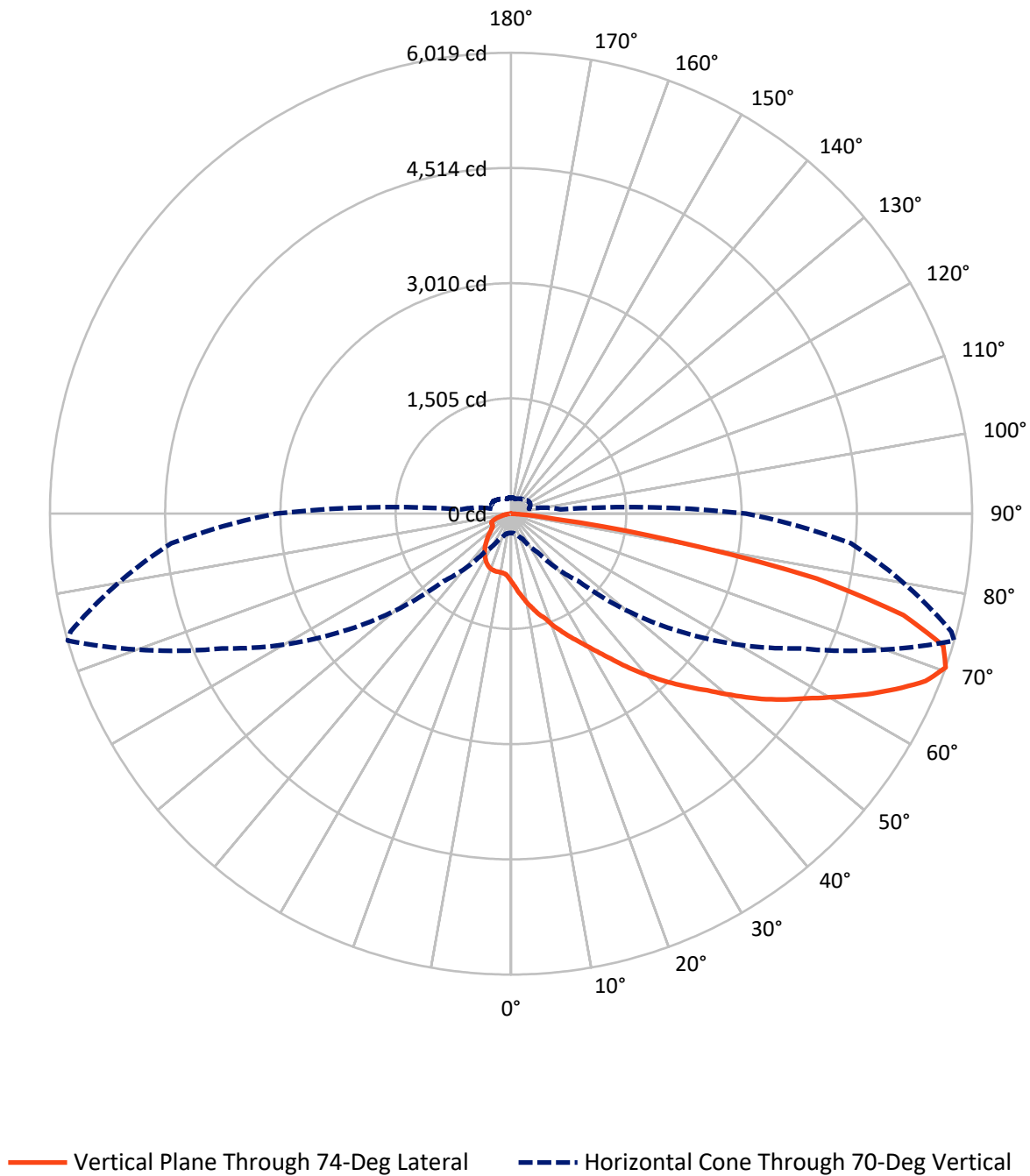


Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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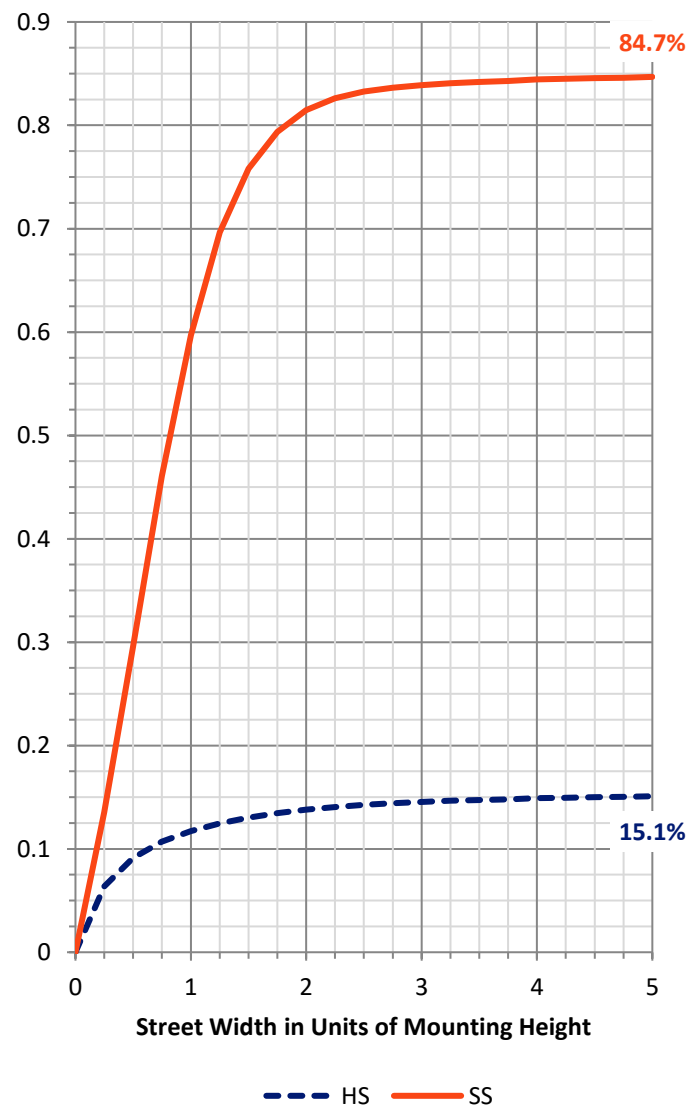
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1131.0	0.0	1131.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6303.6	0.0	6303.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	7434.6	0.0	7434.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.3
10°-20°	311.2	4.2
20°-30°	578.8	7.8
30°-40°	976.1	13.1
40°-50°	1383.9	18.6
50°-60°	1590.6	21.4
60°-70°	1484.2	20.0
70°-80°	920.3	12.4
80°-90°	96.2	1.3
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°	7434.6	100.0
0°-180°	7434.6	100.0

Coefficient of Utilization



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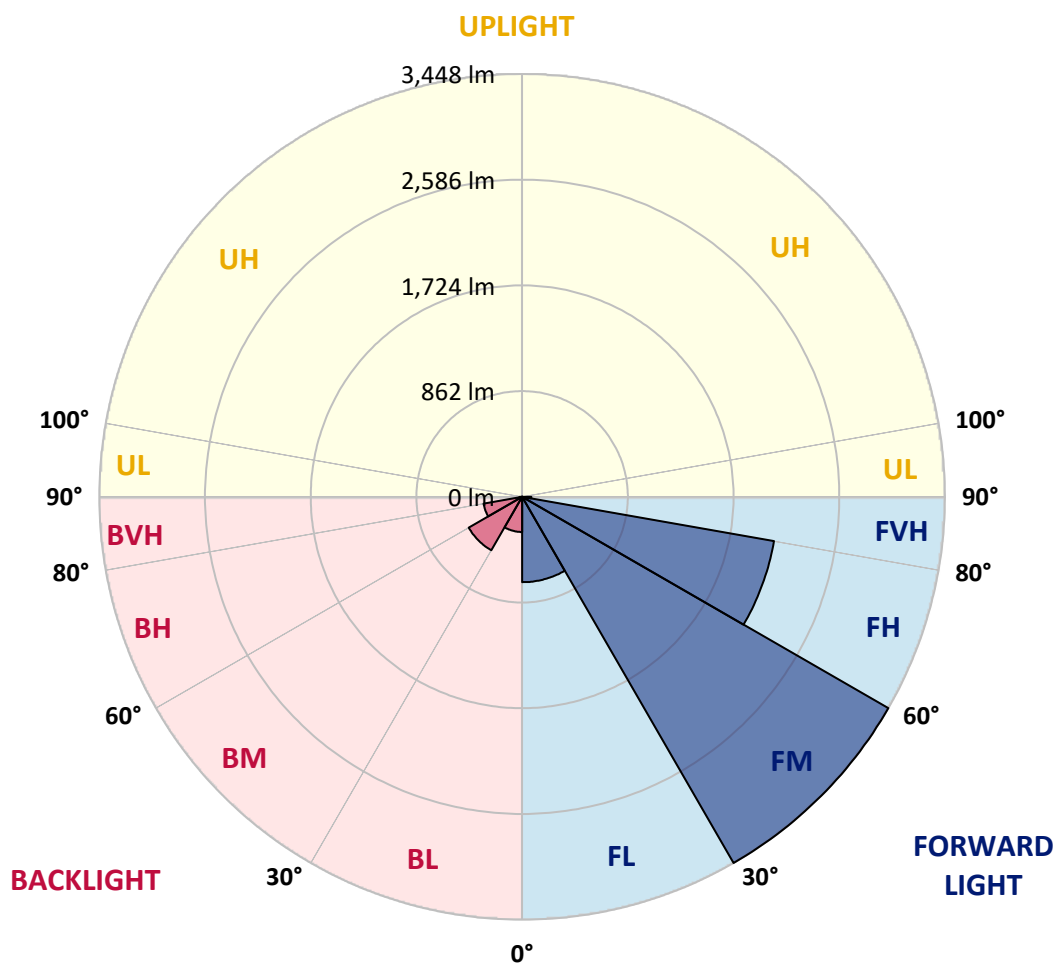
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	696.2	9.4			
FM	(30°-60°)	3447.7	46.4			
FH	(60°-80°)	2085.2	28.0			G2/5000
FVH	(80°-90°)	74.5	1.0			G1/100
BL	(0°-30°)	287.0	3.9	B1/500		
BM	(30°-60°)	503.0	6.8	B1/1000		
BH	(60°-80°)	319.3	4.3	B1/500		G1/500
BVH	(80°-90°)	21.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9
2.5°	1112.4	1119.0	1114.1	1104.2	1086.0	1048.0	1023.3	995.3	949.0	949.0	914.4
5°	1265.9	1265.9	1257.7	1247.8	1231.3	1191.6	1153.7	1095.9	1028.2	1021.7	945.7
7.5°	1336.9	1336.9	1336.9	1335.2	1328.6	1297.3	1254.4	1183.4	1104.2	1097.5	977.1
10°	1398.0	1393.0	1394.7	1398.0	1391.3	1388.0	1351.8	1284.0	1191.6	1181.7	1036.5
12.5°	1460.7	1450.7	1454.0	1460.7	1465.6	1454.0	1427.6	1373.2	1270.9	1264.2	1087.7
15°	1503.6	1503.6	1508.5	1521.8	1528.3	1530.0	1510.2	1468.9	1361.6	1345.1	1150.4
17.5°	1534.9	1533.3	1543.2	1566.3	1591.1	1600.9	1607.6	1561.4	1435.9	1429.3	1209.8
20°	1572.9	1572.9	1586.1	1619.1	1650.5	1678.5	1696.7	1676.9	1554.7	1531.6	1287.3
22.5°	1681.8	1681.8	1680.2	1698.3	1729.7	1751.2	1780.9	1779.2	1658.7	1630.7	1360.0
25°	1944.3	1955.8	1904.6	1845.2	1843.6	1851.8	1858.5	1909.6	1775.9	1754.5	1437.6
27.5°	2322.2	2333.7	2256.2	2162.1	2031.7	1970.7	1944.3	2031.7	1893.1	1873.2	1510.2
30°	2677.1	2655.6	2614.4	2512.0	2328.8	2158.8	2056.5	2152.2	2030.1	1988.8	1569.6
32.5°	2918.0	2903.2	2866.9	2771.1	2620.9	2416.3	2198.4	2266.1	2186.8	2148.9	1663.6
35°	3051.7	3046.8	3008.8	2962.6	2880.1	2713.4	2398.2	2404.7	2371.7	2338.7	1771.0
37.5°	3163.9	3152.4	3112.8	3068.3	3036.9	2951.0	2662.2	2535.1	2584.6	2521.9	1884.8
40°	3239.9	3230.0	3200.3	3154.1	3149.1	3139.2	2936.2	2706.8	2790.9	2729.9	2016.9
42.5°	3276.2	3266.3	3259.7	3216.8	3226.7	3271.2	3197.0	2909.8	3007.2	2936.2	2165.4
45°	3296.0	3287.7	3282.8	3249.8	3259.7	3352.1	3406.6	3142.5	3223.4	3159.0	2318.9
47.5°	3254.7	3246.5	3276.2	3263.0	3287.7	3405.0	3540.3	3385.1	3447.9	3365.3	2495.5
50°	3056.7	3083.1	3167.2	3218.4	3271.2	3426.4	3667.3	3632.7	3720.2	3619.5	2693.6
52.5°	2517.0	2561.5	2852.0	3066.5	3218.4	3428.1	3751.5	3876.9	4010.7	3941.3	2893.3
55°	1993.8	2045.0	2289.2	2710.0	3066.5	3396.7	3789.5	4032.1	4284.7	4185.6	3101.2
57.5°	1691.7	1721.4	1817.2	2205.0	2744.7	3302.6	3867.1	4150.9	4552.0	4484.3	3314.1
60°	1426.0	1430.9	1531.6	1775.9	2279.3	3074.8	3913.3	4241.7	4859.0	4769.9	3550.2
62.5°	1084.4	1122.4	1224.6	1417.8	1822.1	2693.6	3929.8	4334.1	5199.0	5128.0	3825.8
65°	678.3	703.1	821.9	1072.8	1439.2	2190.2	3741.6	4426.5	5522.5	5468.0	4101.4
67.5°	364.7	384.5	470.3	655.2	1033.2	1711.6	3289.4	4398.5	5837.7	5794.8	4353.9
70°	252.5	254.2	274.0	368.1	627.2	1249.4	2673.8	4164.2	6019.2	5953.2	4453.0
72.5°	209.6	212.9	222.8	244.3	336.7	769.1	1937.7	3711.9	5900.5	5809.6	4243.4
75°	178.3	179.9	189.8	201.4	227.8	406.0	1232.9	3060.0	5289.8	5199.0	3578.2
77.5°	146.9	150.2	158.5	173.3	189.8	232.7	642.1	2380.0	4084.9	3974.4	2355.2
80°	104.0	105.6	115.6	132.0	155.1	163.4	247.6	1426.0	2125.8	1952.5	897.9
82.5°	61.1	64.4	77.6	90.7	113.8	97.4	115.6	541.4	597.5	536.4	186.5
85°	14.9	18.2	26.4	36.3	46.2	33.0	51.1	105.6	123.8	113.8	34.7
87.5°	1.6	1.6	1.6	1.6	3.3	4.9	8.2	8.2	8.2	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°	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9	887.9
2.5°	891.3	874.8	840.1	808.8	785.7	765.9	757.6	739.4	736.1	729.5	731.2
5°	899.5	863.2	802.1	757.6	734.5	716.3	706.4	704.8	706.4	704.8	706.4
7.5°	919.3	866.5	789.0	739.4	722.9	714.6	711.4	711.4	716.3	714.6	713.0
10°	947.4	879.7	783.9	737.7	727.9	724.6	721.2	722.9	724.6	727.9	716.3
12.5°	987.0	896.2	780.7	739.4	727.9	722.9	717.9	717.9	721.2	714.6	717.9
15°	1018.4	917.7	783.9	734.5	721.2	713.0	704.8	701.4	698.1	696.5	694.8
17.5°	1062.9	940.8	780.7	729.5	708.1	691.5	675.0	668.4	665.2	661.9	660.2
20°	1114.1	955.7	775.7	716.3	685.0	660.2	642.1	628.8	617.2	615.6	610.7
22.5°	1157.0	980.4	762.5	694.8	655.2	623.9	597.5	584.3	569.4	561.2	556.2
25°	1219.7	1006.8	742.7	663.5	615.6	585.9	549.6	533.1	516.6	505.0	505.0
27.5°	1260.9	1015.0	721.2	628.8	576.1	529.8	496.8	475.4	460.5	452.3	452.3
30°	1318.7	1034.8	686.6	594.1	529.8	488.5	447.2	427.4	414.3	401.1	396.1
32.5°	1378.2	1048.0	656.9	551.2	485.2	435.7	404.3	392.8	371.4	354.9	351.6
35°	1457.4	1067.9	619.0	508.3	437.4	399.4	386.2	359.8	330.1	313.6	310.3
37.5°	1553.1	1089.3	576.1	460.5	397.8	376.3	369.7	326.8	303.7	297.1	297.1
40°	1662.0	1105.8	529.8	415.9	356.5	363.1	346.6	307.0	292.1	288.8	287.2
42.5°	1777.6	1120.7	486.9	369.7	331.8	343.3	323.5	300.4	287.2	283.9	280.5
45°	1903.0	1124.0	444.0	335.0	310.3	315.2	307.0	292.1	280.5	278.9	277.3
47.5°	2039.9	1127.3	397.8	303.7	297.1	288.8	293.8	280.5	274.0	272.3	270.7
50°	2208.3	1119.0	354.9	283.9	287.2	272.3	278.9	270.7	269.0	265.8	262.5
52.5°	2356.9	1092.6	321.8	274.0	280.5	269.0	267.4	264.1	264.1	257.5	254.2
55°	2498.8	1056.3	300.4	269.0	272.3	264.1	262.5	259.1	257.5	249.2	247.6
57.5°	2632.5	1003.5	287.2	270.7	269.0	260.7	260.7	255.8	247.6	244.3	241.0
60°	2812.4	958.9	282.2	274.0	265.8	259.1	259.1	250.9	242.7	237.6	236.0
62.5°	2980.7	911.1	280.5	280.5	267.4	257.5	255.8	247.6	236.0	234.4	231.1
65°	3152.4	851.7	278.9	288.8	270.7	257.5	252.5	241.0	227.8	227.8	224.5
67.5°	3188.7	777.4	267.4	290.5	274.0	255.8	245.9	231.1	216.2	219.5	212.9
70°	3068.3	650.3	242.7	278.9	282.2	255.8	234.4	216.2	198.0	212.9	199.7
72.5°	2705.1	513.3	203.0	244.3	275.6	255.8	221.2	196.4	173.3	171.6	160.1
75°	2135.7	344.9	156.8	191.4	250.9	255.8	201.4	171.6	146.9	133.7	133.7
77.5°	1292.3	227.8	120.5	135.3	201.4	236.0	176.6	133.7	110.6	102.3	99.0
80°	425.8	127.1	89.1	94.0	125.4	171.6	150.2	105.6	80.9	70.9	62.7
82.5°	115.6	67.7	57.8	52.9	62.7	127.1	118.9	69.3	49.5	41.3	31.3
85°	28.0	28.0	26.4	23.1	19.8	38.0	46.2	16.5	9.9	4.9	4.9
87.5°	4.9	4.9	4.9	4.9	3.3	1.6	1.6	0.0	1.6	1.6	1.6
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)