

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: P622612

Luminaire Tested: **PRV-M-PA6A-750-U-T2R**

Issue Date: 9/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P622612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-M-PA6A-750-U-T2R  
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K LIGHT ENGINES AND TYPE II ROADWAY OPTICS, BRONZE  
PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41611 lumens  
Efficiency: N/A  
Efficacy: 152.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

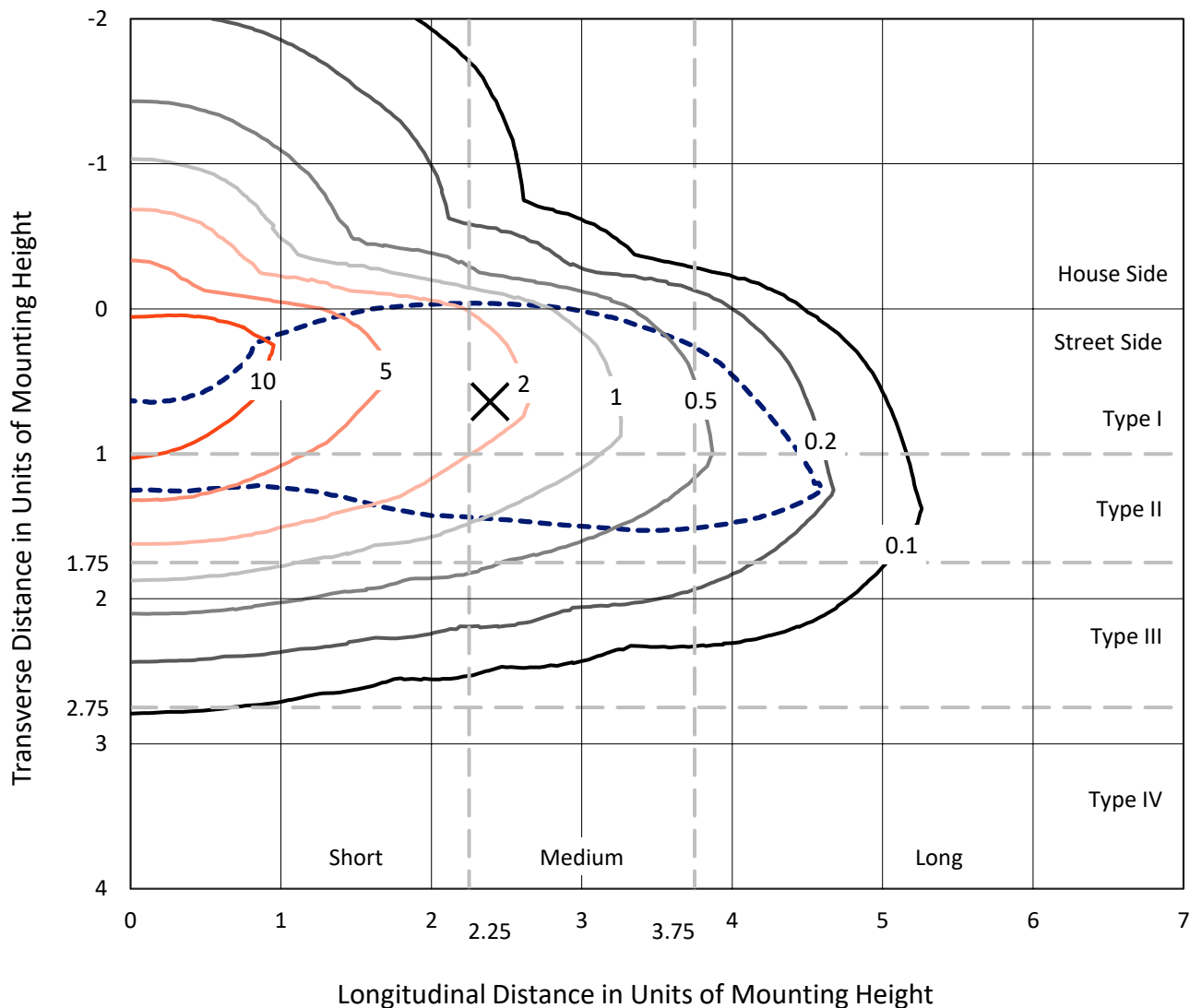
Input Watts (W): 273.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

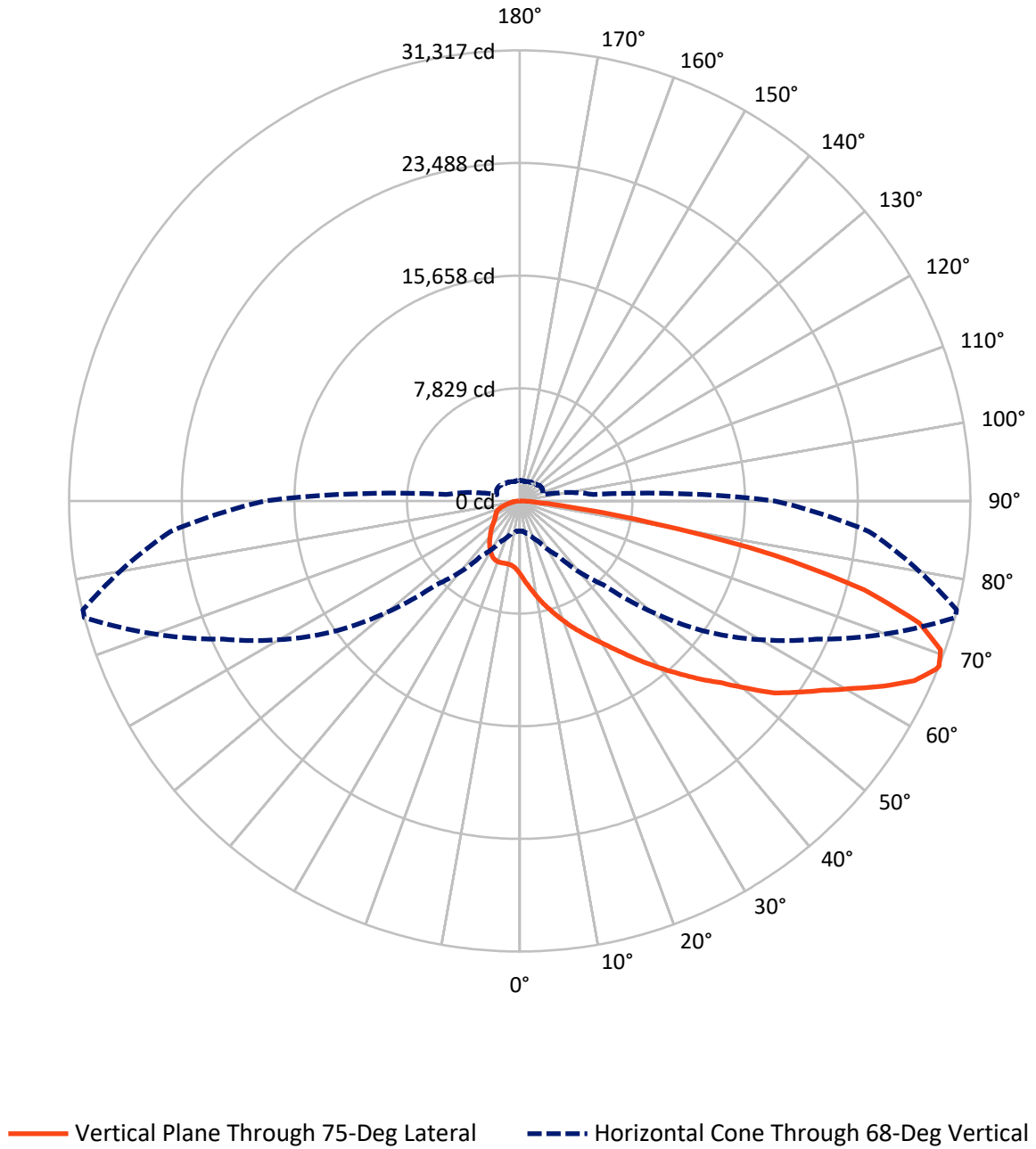
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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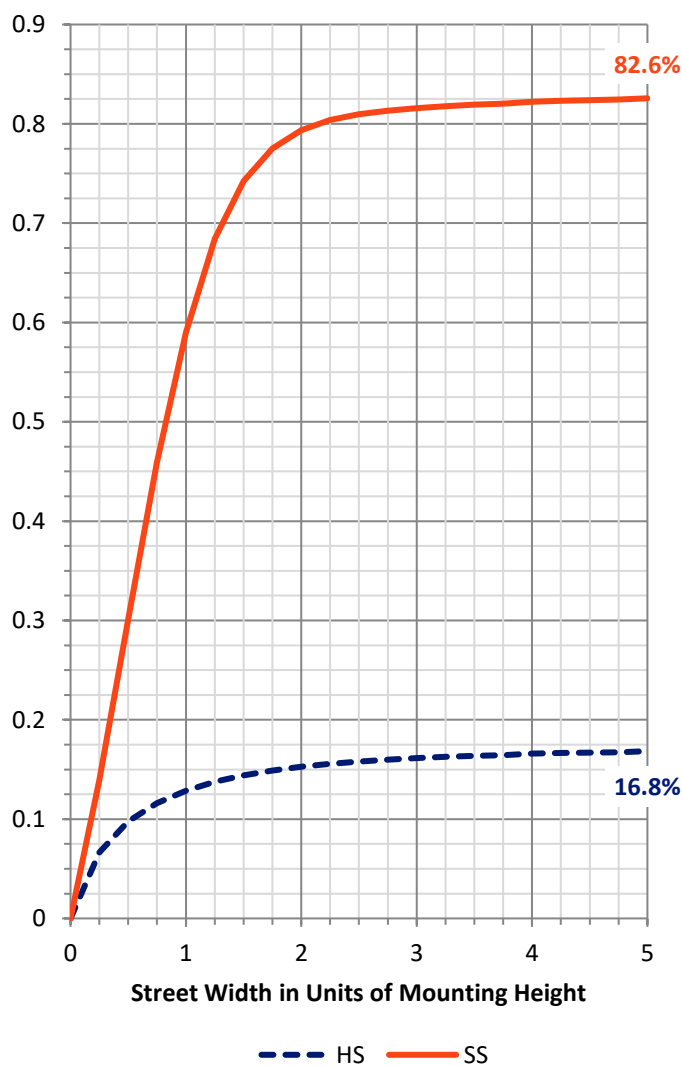
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7123.3	0.0	7123.3
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	34487.8	0.0	34487.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	41611.0	0.0	41611.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	534.4	1.3
10°-20°	1829.0	4.4
20°-30°	3386.9	8.1
30°-40°	5519.5	13.3
40°-50°	7780.3	18.7
50°-60°	8948.5	21.5
60°-70°	8137.7	19.6
70°-80°	4725.2	11.4
80°-90°	749.5	1.8
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°	41611.0	100.0
0°-180°	41611.0	100.0

**Coefficient of Utilization**



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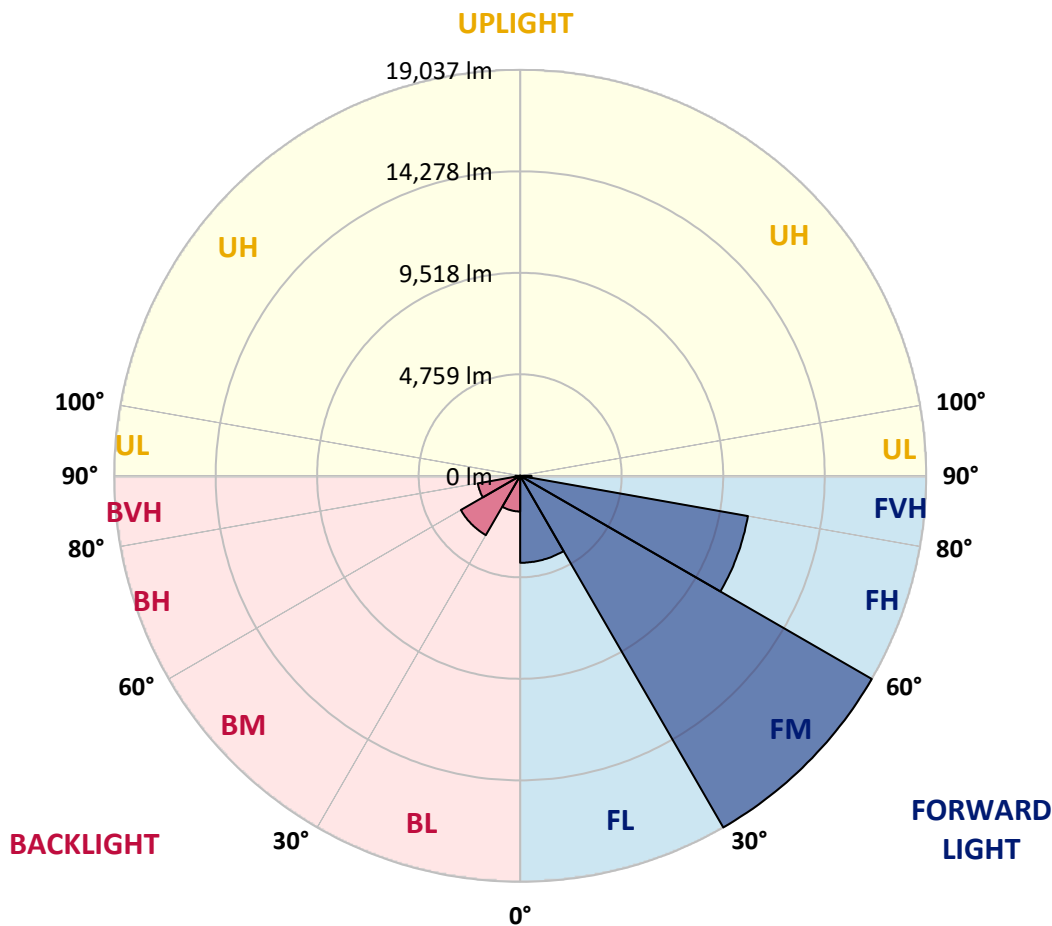
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4077.4	9.8			
FM (30°-60°)	19036.7	45.7			
FH (60°-80°)	10844.0	26.1			G4/12000
FVH (80°-90°)	529.6	1.3			G4/750
BL (0°-30°)	1672.9	4.0	B3/2500		
BM (30°-60°)	3211.6	7.7	B3/5000		
BH (60°-80°)	2018.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	219.9	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0
2.5°	6468.0	6341.0	6323.0	6307.0	6190.0	6012.0	5897.0	5662.0	5460.0	5427.0	5230.0
5°	7384.9	7312.0	7263.0	7215.0	7074.0	6927.0	6644.0	6278.0	5871.0	5814.0	5414.0
7.5°	7909.9	7846.9	7823.9	7793.9	7694.9	7556.9	7293.0	6870.0	6319.0	6259.0	5651.0
10°	8396.9	8310.9	8293.9	8282.9	8216.9	8088.9	7888.9	7453.9	6814.0	6716.0	5954.0
12.5°	8823.9	8755.9	8765.9	8755.9	8735.9	8660.9	8469.9	8038.9	7324.0	7213.0	6268.0
15°	9110.9	9030.9	9101.9	9183.9	9228.9	9233.9	9057.9	8632.9	7822.9	7722.9	6622.0
17.5°	9257.9	9174.9	9281.9	9439.9	9625.9	9718.9	9645.9	9256.9	8383.9	8257.9	7003.0
20°	9556.9	9456.9	9554.9	9704.9	9965.9	10161.9	10230.9	9902.9	8965.9	8822.9	7403.9
22.5°	10198.9	10089.9	10117.9	10173.9	10376.9	10588.9	10736.9	10555.9	9559.9	9406.9	7817.9
25°	11310.9	11211.9	11081.9	10952.9	10991.9	11089.9	11198.9	11203.9	10176.9	10003.9	8246.9
27.5°	12862.9	12627.9	12396.9	12044.9	11833.9	11735.9	11691.9	11840.9	10824.9	10646.9	8664.9
30°	14421.9	14202.9	13863.9	13413.9	12919.9	12619.9	12315.9	12454.9	11525.9	11325.9	9093.9
32.5°	15770.9	15557.9	15212.9	14705.9	14120.9	13705.9	13102.9	13105.9	12336.9	12086.9	9598.9
35°	16956.9	16666.9	16317.9	15789.9	15217.9	14711.9	14027.9	13803.9	13282.9	13001.9	10209.9
37.5°	17848.9	17543.9	17186.9	16666.9	16158.9	15781.9	15042.9	14571.9	14292.9	14030.9	10882.9
40°	18444.9	18138.9	17816.9	17350.9	16927.9	16705.9	16231.9	15441.9	15346.9	15048.9	11623.9
42.5°	18714.9	18419.9	18214.9	17823.9	17508.9	17481.9	17253.9	16419.9	16480.9	16172.9	12437.9
45°	18603.9	18344.9	18245.9	18037.9	17872.9	18055.9	18283.9	17454.9	17679.9	17387.9	13305.9
47.5°	18072.9	17866.9	17935.9	17940.9	17984.9	18457.9	19098.9	18535.9	18890.9	18603.9	14362.9
50°	16964.9	16854.9	17198.9	17532.9	17826.9	18667.9	19849.9	19722.9	20458.9	20137.9	15687.9
52.5°	14542.9	14696.9	15691.9	16530.9	17363.9	18641.9	20449.9	21030.9	22170.8	21853.9	16998.9
55°	11540.9	11710.9	12969.9	14836.9	16436.9	18337.9	20782.9	21962.9	23476.8	23248.8	18163.9
57.5°	9261.9	9373.9	10265.9	12370.9	14759.9	17618.9	20959.9	22669.8	24826.8	24578.8	19499.9
60°	7369.9	7490.9	8154.9	9753.9	12446.9	16277.9	20920.9	23276.8	26479.8	26262.8	20985.9
62.5°	5561.0	5521.0	6097.0	7437.9	9936.9	14213.9	20336.9	23692.8	28339.8	28177.8	22441.8
65°	3538.0	3677.0	4153.0	5195.0	7471.9	11608.9	18914.9	23661.8	30122.8	30043.8	23647.8
67.5°	2290.0	2286.0	2603.0	3419.0	5093.0	8802.9	16461.9	22991.8	31211.8	31182.8	24358.8
68°	2099.0	2098.0	2372.0	3103.0	4662.0	8243.9	15847.9	22742.8	31316.8	31283.8	24360.8
70°	1650.0	1648.0	1769.0	2092.0	3197.0	6091.0	12896.9	21274.9	31028.8	31021.8	23819.8
72.5°	1427.0	1423.0	1459.0	1535.0	1967.0	3882.0	9006.9	18372.9	29032.8	28929.8	21980.9
75°	1282.0	1277.0	1299.0	1295.0	1427.0	2375.0	5568.0	14832.9	24749.8	24430.8	17237.9
77.5°	1133.0	1127.0	1148.0	1146.0	1208.0	1595.0	3059.0	10622.9	18013.9	16967.9	10684.9
80°	965.0	960.0	985.0	991.0	1060.0	1200.0	1581.0	6573.0	9376.9	8554.9	4482.0
82.5°	765.0	773.0	817.0	833.0	904.0	871.0	982.0	3058.0	3376.0	2966.0	1374.0
85°	483.0	507.0	618.0	643.0	699.0	557.0	678.0	1240.0	1089.0	983.0	363.0
87.5°	180.0	200.0	354.0	357.0	356.0	225.0	346.0	438.0	350.0	317.0	113.0
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°	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0	5084.0
2.5°	5137.0	5010.0	4821.0	4647.0	4504.0	4391.0	4278.0	4233.0	4188.0	4181.0	4134.0
5°	5204.0	4978.0	4624.0	4355.0	4169.0	4040.0	3958.0	3922.0	3898.0	3889.0	3848.0
7.5°	5326.0	4996.0	4509.0	4196.0	4029.0	3952.0	3925.0	3922.0	3921.0	3923.0	3877.0
10°	5504.0	5071.0	4465.0	4145.0	4024.0	3988.0	3988.0	3998.0	3998.0	4005.0	3960.0
12.5°	5706.0	5164.0	4453.0	4153.0	4066.0	4039.0	4035.0	4042.0	4032.0	4034.0	3989.0
15°	5930.0	5275.0	4464.0	4178.0	4092.0	4051.0	4021.0	4007.0	3980.0	3968.0	3927.0
17.5°	6182.0	5405.0	4482.0	4185.0	4072.0	4000.0	3931.0	3883.0	3842.0	3837.0	3788.0
20°	6455.0	5545.0	4489.0	4150.0	3996.0	3882.0	3779.0	3708.0	3648.0	3622.0	3587.0
22.5°	6752.0	5686.0	4455.0	4048.0	3856.0	3707.0	3579.0	3486.0	3401.0	3371.0	3326.0
25°	7055.0	5815.0	4378.0	3909.0	3668.0	3496.0	3333.0	3212.0	3115.0	3075.0	3034.0
27.5°	7348.9	5916.0	4254.0	3726.0	3462.0	3262.0	3070.0	2923.0	2822.0	2789.0	2754.0
30°	7641.9	5999.0	4077.0	3528.0	3252.0	3023.0	2816.0	2674.0	2587.0	2534.0	2500.0
32.5°	7995.9	6083.0	3900.0	3324.0	3036.0	2788.0	2609.0	2499.0	2391.0	2328.0	2297.0
35°	8408.9	6177.0	3694.0	3116.0	2813.0	2588.0	2479.0	2336.0	2207.0	2159.0	2134.0
37.5°	8891.9	6268.0	3480.0	2907.0	2598.0	2461.0	2373.0	2198.0	2100.0	2072.0	2054.0
40°	9431.9	6351.0	3229.0	2701.0	2403.0	2368.0	2257.0	2117.0	2042.0	2005.0	1985.0
42.5°	10023.9	6419.0	3024.0	2485.0	2250.0	2256.0	2157.0	2076.0	1971.0	1927.0	1910.0
45°	10694.9	6522.0	2831.0	2272.0	2121.0	2121.0	2084.0	1999.0	1907.0	1880.0	1869.0
47.5°	11568.9	6665.0	2628.0	2093.0	2032.0	1999.0	2005.0	1900.0	1858.0	1832.0	1823.0
50°	12574.9	6780.0	2422.0	1969.0	1971.0	1925.0	1888.0	1839.0	1810.0	1782.0	1764.0
52.5°	13499.9	6782.0	2255.0	1900.0	1915.0	1873.0	1796.0	1782.0	1762.0	1717.0	1703.0
55°	14364.9	6747.0	2113.0	1864.0	1864.0	1818.0	1745.0	1733.0	1707.0	1663.0	1654.0
57.5°	15351.9	6708.0	2009.0	1852.0	1834.0	1748.0	1707.0	1692.0	1650.0	1624.0	1615.0
60°	16417.9	6650.0	1932.0	1854.0	1817.0	1692.0	1674.0	1651.0	1608.0	1589.0	1581.0
62.5°	17484.9	6482.0	1869.0	1861.0	1807.0	1663.0	1641.0	1611.0	1565.0	1550.0	1542.0
65°	18060.9	6040.0	1791.0	1853.0	1795.0	1646.0	1604.0	1563.0	1501.0	1495.0	1483.0
67.5°	17882.9	5307.0	1669.0	1794.0	1778.0	1623.0	1556.0	1490.0	1414.0	1439.0	1427.0
68°	17721.9	5128.0	1638.0	1774.0	1772.0	1618.0	1545.0	1472.0	1396.0	1429.0	1409.0
70°	16642.9	4366.0	1486.0	1660.0	1724.0	1597.0	1489.0	1399.0	1313.0	1375.0	1344.0
72.5°	14286.9	3365.0	1248.0	1455.0	1602.0	1561.0	1415.0	1285.0	1189.0	1193.0	1155.0
75°	10619.9	2327.0	1003.0	1175.0	1411.0	1511.0	1328.0	1161.0	1041.0	1001.0	985.0
77.5°	5808.0	1518.0	783.0	892.0	1140.0	1380.0	1222.0	1025.0	888.0	850.0	829.0
80°	2411.0	901.0	607.0	658.0	791.0	1178.0	1144.0	885.0	732.0	700.0	671.0
82.5°	798.0	552.0	450.0	446.0	517.0	918.0	1009.0	697.0	562.0	585.0	484.0
85°	279.0	290.0	284.0	268.0	289.0	538.0	747.0	464.0	366.0	299.0	281.0
87.5°	78.0	105.0	106.0	84.0	86.0	124.0	337.0	212.0	129.0	86.0	76.0
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)