

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: P214479

Luminaire Tested: **NFFLD-L-C75-D-UNV-66-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P214479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29596)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-L-C75-D-UNV-66-7060
Description: NIGHT CONDOR LED FLOODLIGHT WIDE OPTIC
Light Source: (4) 5700K CCT, 70 CRI LEDS
CLU048-1312C4-40ALK3
Ballast/Driver: PHILLIPS
XI150C105V140CNF1

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25453.1 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: (L: 0 ' x W: 0.92 ' x H: 0.67 '
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

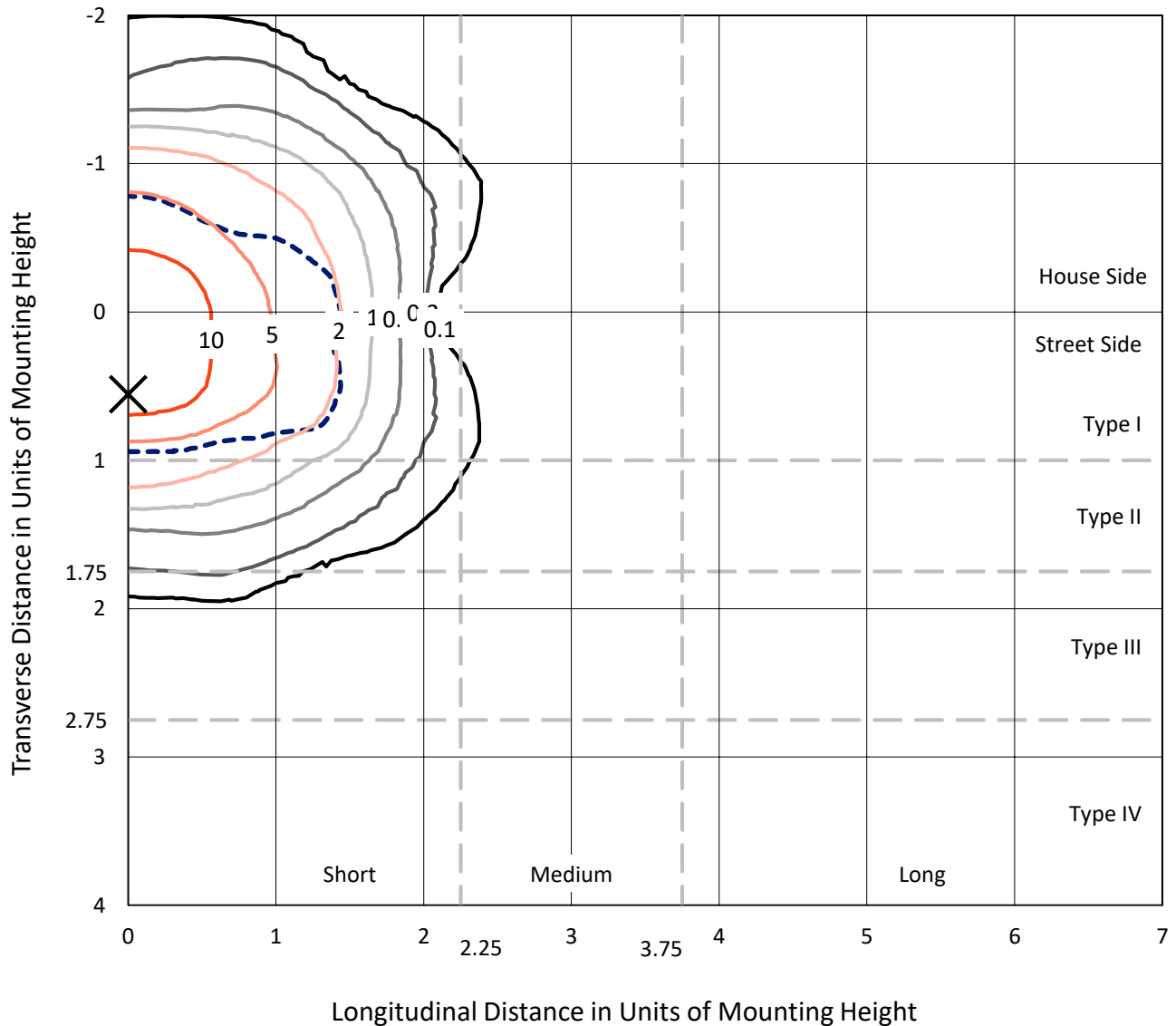
Input Watts (W): 179
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

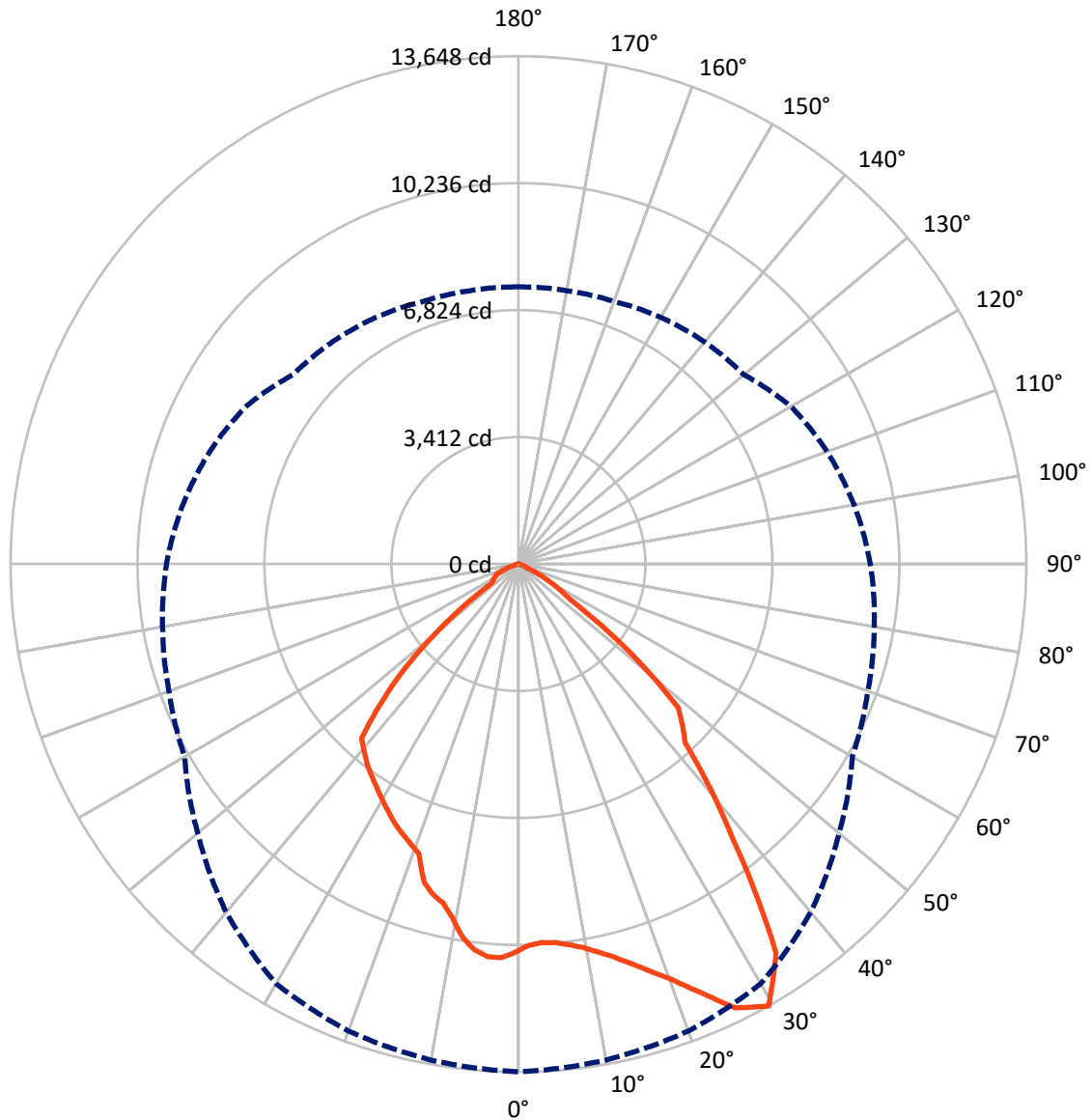
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 29-Deg Vertical

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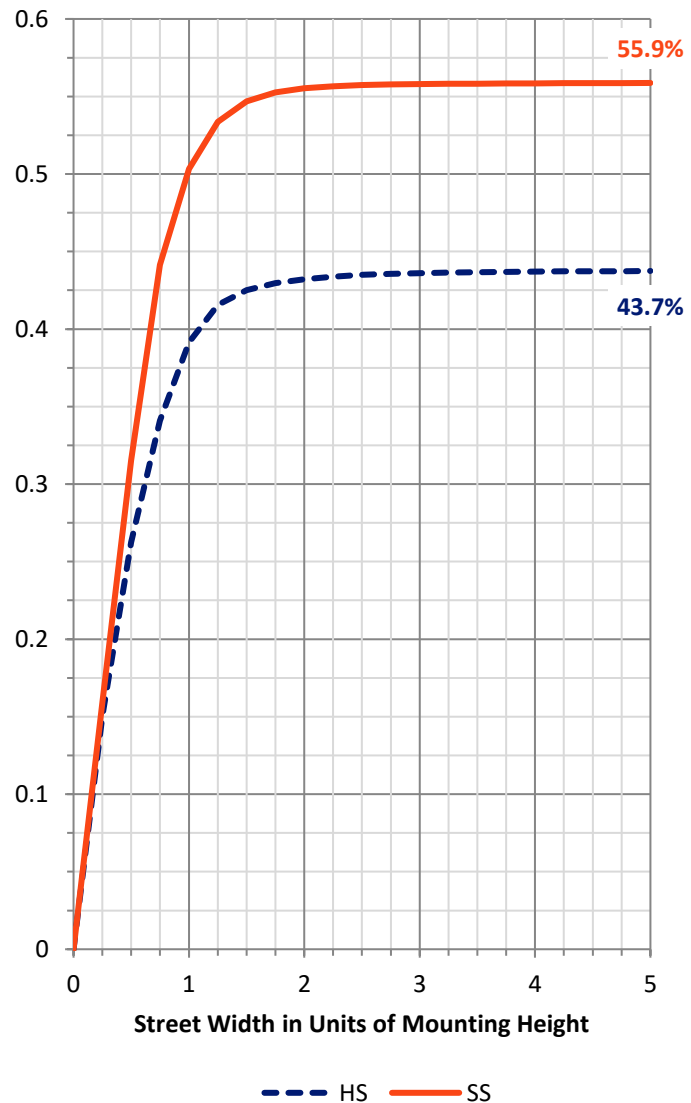
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11234.1	0.0	11234.1
	% Fixture	44.1	0.0	44.1
Street Side	Lumens	14219.0	0.0	14219.0
	% Fixture	55.9	0.0	55.9
Total	Lumens	25453.1	0.0	25453.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	989.3	3.9
10°-20°	2877.2	11.3
20°-30°	4621.1	18.2
30°-40°	5730.4	22.5
40°-50°	5642.0	22.2
50°-60°	3942.1	15.5
60°-70°	1631.6	6.4
70°-80°	337.1	1.3
80°-90°	46.2	0.2
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°	25453.1	100.0
0°-180°	25453.1	100.0



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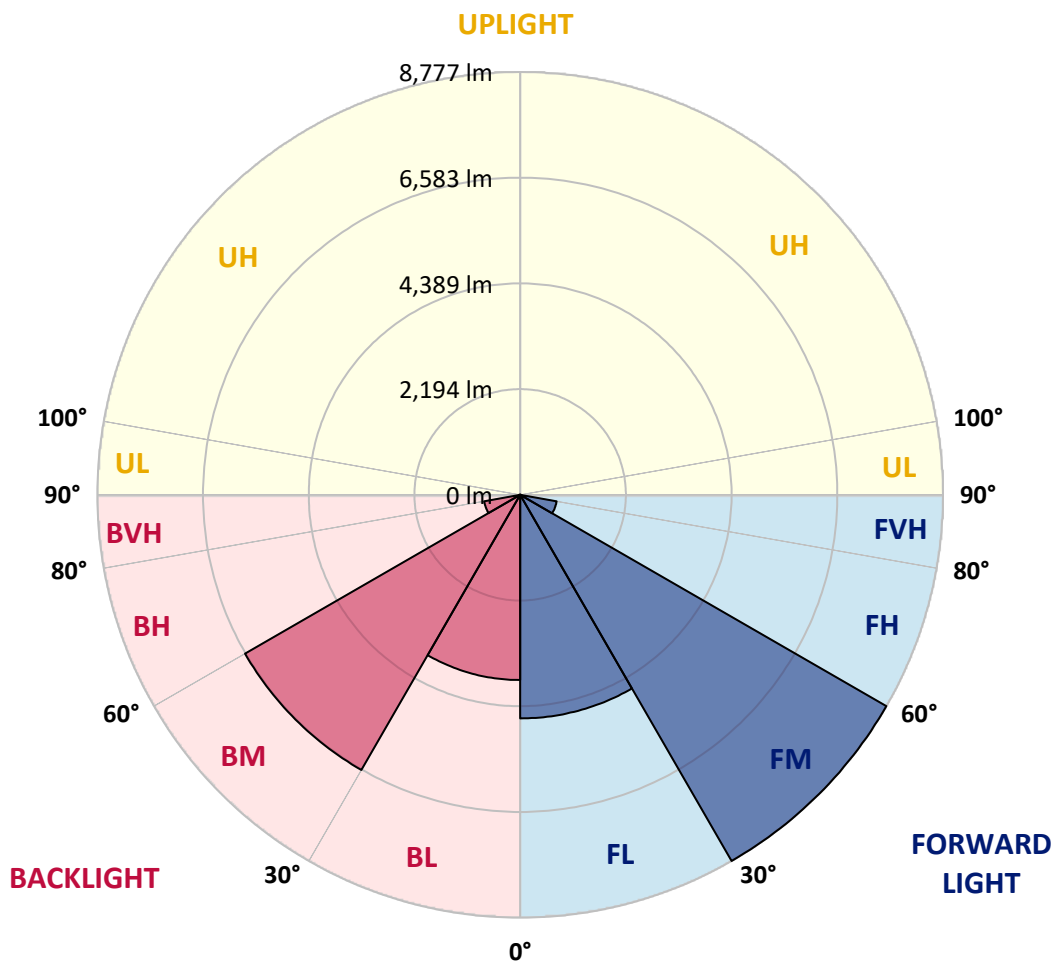
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4641.3	18.2			
FM	(30°-60°)	8777.4	34.5			
FH	(60°-80°)	768.4	3.0			G1/1800
FVH	(80°-90°)	20.0	0.1			G1/100
BL	(0°-30°)	3843.8	15.1	B4/5000		
BM	(30°-60°)	6595.7	25.9	B4/8500		
BH	(60°-80°)	759.7	3.0	B2/1000		G2/1000
BVH	(80°-90°)	25.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0
1°	10253.1	10253.6	10256.9	10262.9	10271.4	10282.2	10294.9	10309.2	10324.6	10340.6	10355.4
3°	10191.5	10195.1	10200.7	10209.5	10220.4	10233.3	10247.8	10263.3	10304.1	10346.5	10399.9
5°	10219.7	10224.4	10221.5	10217.5	10214.6	10212.3	10230.2	10261.2	10300.7	10373.9	10444.0
7°	10315.4	10310.4	10294.7	10270.8	10241.6	10223.9	10222.5	10253.9	10316.3	10407.3	10481.0
9°	10446.6	10437.1	10408.7	10359.6	10294.1	10245.1	10222.4	10236.6	10319.5	10419.2	10483.8
11°	10631.3	10620.9	10569.2	10471.9	10358.2	10275.8	10229.3	10239.3	10314.8	10403.6	10443.2
13°	10846.4	10834.7	10760.3	10618.0	10460.5	10324.5	10241.9	10240.9	10328.6	10392.5	10391.3
15°	11120.0	11098.1	10992.0	10787.7	10589.0	10399.5	10268.3	10258.9	10363.6	10380.6	10316.2
17°	11424.8	11403.6	11259.8	11000.8	10734.5	10481.7	10300.9	10280.8	10385.4	10371.7	10223.8
19.5°	11849.8	11821.1	11628.7	11328.4	10942.7	10606.1	10369.4	10305.5	10511.2	10664.7	10177.9
22.5°	12497.2	12431.6	12165.4	11749.4	11271.2	10797.7	10454.0	10233.9	10228.5	10155.9	9814.3
25.5°	13265.6	13143.4	12825.3	12302.3	11705.2	11041.9	10377.7	10076.5	9988.6	9814.8	9500.0
29°	13647.5	13534.0	13354.3	13022.3	12216.8	11248.7	10359.0	9991.5	9710.5	9456.5	9158.8
33°	12537.3	12552.8	12815.8	13256.4	12622.0	11425.0	10423.7	9955.0	9392.8	8886.2	8648.1
37.5°	9325.3	9519.2	10347.4	11652.6	12146.9	11657.4	10555.0	9956.0	9128.8	8617.8	8224.5
42.5°	6568.6	6774.0	7397.9	8278.1	9711.0	10984.9	10807.6	10017.9	8835.8	8454.6	8015.9
47.5°	5780.3	5710.0	5846.5	5956.4	6814.1	8818.8	10620.8	9893.7	8301.3	8010.4	7804.5
55°	1688.7	1988.6	2677.3	3371.7	4372.3	5034.9	7793.7	7763.4	6682.0	7067.0	6558.9
65°	258.1	280.7	591.2	577.4	844.9	1380.4	1716.0	1858.4	1223.7	310.7	1227.8
75°	31.1	43.1	70.8	63.4	68.8	60.9	102.2	131.7	126.6	219.5	200.1
85°	3.7	32.6	36.9	35.4	38.6	40.1	47.3	53.7	54.6	60.1	57.6
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):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0
1°	10369.9	10383.9	10397.1	10409.0	10419.2	10427.5	10433.6	10437.0	10433.6	10427.5	10419.2
3°	10449.3	10480.5	10509.4	10535.4	10557.8	10575.5	10585.8	10588.3	10585.8	10575.5	10557.8
5°	10497.6	10547.4	10579.5	10578.3	10577.6	10577.8	10579.4	10581.6	10579.4	10577.8	10577.6
7°	10538.4	10559.8	10550.6	10525.6	10483.1	10454.4	10438.2	10434.0	10438.2	10454.4	10483.1
9°	10533.1	10498.2	10431.8	10364.0	10275.1	10202.3	10162.2	10139.6	10162.2	10202.3	10275.1
11°	10432.0	10347.3	10218.3	10066.5	9950.2	9822.8	9732.9	9686.4	9732.9	9822.8	9950.2
13°	10310.9	10135.9	9930.8	9739.8	9575.8	9465.1	9374.9	9329.7	9374.9	9465.1	9575.8
15°	10154.2	9902.1	9672.5	9473.6	9304.9	9229.5	9180.3	9173.2	9180.3	9229.5	9304.9
17°	9966.2	9689.5	9464.2	9286.1	9153.7	9003.3	8922.8	8913.7	8922.8	9003.3	9153.7
19.5°	9787.1	9516.1	9272.2	9089.2	8848.9	8489.4	8288.5	8226.9	8288.5	8489.4	8848.9
22.5°	9566.4	9325.5	9044.4	8684.4	8211.0	8061.9	7994.1	7981.4	7994.1	8061.9	8211.0
25.5°	9269.3	8973.4	8700.6	8145.3	7966.7	7836.8	7768.7	7759.7	7768.7	7836.8	7966.7
29°	8828.3	8459.0	7910.7	7786.1	7652.9	7507.0	7458.3	7446.0	7458.3	7507.0	7652.9
33°	8297.2	7836.0	7382.0	7330.4	7186.7	7116.2	7102.6	7100.4	7102.6	7116.2	7186.7
37.5°	7803.7	7281.2	6980.6	6788.0	6735.3	6753.0	6756.2	6742.9	6756.2	6753.0	6735.3
42.5°	7399.0	6899.8	6491.1	6283.7	6279.0	6260.7	6256.7	6295.0	6256.7	6260.7	6279.0
47.5°	7101.5	6578.0	5961.4	5777.3	5495.5	4847.6	4409.1	4327.4	4409.1	4847.6	5495.5
55°	6018.3	5981.1	4992.8	3802.7	2607.7	1710.3	1170.9	867.0	1170.9	1710.3	2607.7
65°	1846.2	1469.1	899.3	692.7	831.6	732.4	647.7	642.3	647.7	732.4	831.6
75°	254.8	191.1	191.7	133.8	173.9	142.0	89.9	68.2	89.9	142.0	173.9
85°	51.3	46.5	45.1	40.0	34.1	33.7	24.8	0.0	24.8	33.7	34.1
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):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0	10345.0
1°	10409.0	10397.1	10383.9	10369.9	10355.4	10340.6	10324.6	10309.2	10294.9	10282.2	10271.4
3°	10535.4	10509.4	10480.5	10449.3	10399.9	10346.5	10304.1	10263.3	10247.8	10233.3	10220.4
5°	10578.3	10579.5	10547.4	10497.6	10444.0	10373.9	10300.7	10261.2	10230.2	10212.3	10214.6
7°	10525.6	10550.6	10559.8	10538.4	10481.0	10407.3	10316.3	10253.9	10222.5	10223.9	10241.6
9°	10364.0	10431.8	10498.2	10533.1	10483.8	10419.2	10319.5	10236.6	10222.4	10245.1	10294.1
11°	10066.5	10218.3	10347.3	10432.0	10443.2	10403.6	10314.8	10239.3	10229.3	10275.8	10358.2
13°	9739.8	9930.8	10135.9	10310.9	10391.3	10392.5	10328.6	10240.9	10241.9	10324.5	10460.5
15°	9473.6	9672.5	9902.1	10154.2	10316.2	10380.6	10363.6	10258.9	10268.3	10399.5	10589.0
17°	9286.1	9464.2	9689.5	9966.2	10223.8	10371.7	10385.4	10280.8	10300.9	10481.7	10734.5
19.5°	9089.2	9272.2	9516.1	9787.1	10177.9	10664.7	10511.2	10305.5	10369.4	10606.1	10942.7
22.5°	8684.4	9044.4	9325.5	9566.4	9814.3	10155.9	10228.5	10233.9	10454.0	10797.7	11271.2
25.5°	8145.3	8700.6	8973.4	9269.3	9500.0	9814.8	9988.6	10076.5	10377.7	11041.9	11705.2
29°	7786.1	7910.7	8459.0	8828.3	9158.8	9456.5	9710.5	9991.5	10359.0	11248.7	12216.8
33°	7330.4	7382.0	7836.0	8297.2	8648.1	8886.2	9392.8	9955.0	10423.7	11425.0	12622.0
37.5°	6788.0	6980.6	7281.2	7803.7	8224.5	8617.8	9128.8	9956.0	10555.0	11657.4	12146.9
42.5°	6283.7	6491.1	6899.8	7399.0	8015.9	8454.6	8835.8	10017.9	10807.6	10984.9	9711.0
47.5°	5777.3	5961.4	6578.0	7101.5	7804.5	8010.4	8301.3	9893.7	10620.8	8818.8	6814.1
55°	3802.7	4992.8	5981.1	6018.3	6558.9	7067.0	6682.0	7763.4	7793.7	5034.9	4372.3
65°	692.7	899.3	1469.1	1846.2	1227.8	310.7	1223.7	1858.4	1716.0	1380.4	844.9
75°	133.8	191.7	191.1	254.8	200.1	219.5	126.6	131.7	102.2	60.9	68.8
85°	40.0	45.1	46.5	51.3	57.6	60.1	54.6	53.7	47.3	40.1	38.6
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):

	330°	340°	350°	360°
0°	10345.0	10345.0	10345.0	10345.0
1°	10262.9	10256.9	10253.6	10253.1
3°	10209.5	10200.7	10195.1	10191.5
5°	10217.5	10221.5	10224.4	10219.7
7°	10270.8	10294.7	10310.4	10315.4
9°	10359.6	10408.7	10437.1	10446.6
11°	10471.9	10569.2	10620.9	10631.3
13°	10618.0	10760.3	10834.7	10846.4
15°	10787.7	10992.0	11098.1	11120.0
17°	11000.8	11259.8	11403.6	11424.8
19.5°	11328.4	11628.7	11821.1	11849.8
22.5°	11749.4	12165.4	12431.6	12497.2
25.5°	12302.3	12825.3	13143.4	13265.6
29°	13022.3	13354.3	13534.0	13647.5
33°	13256.4	12815.8	12552.8	12537.3
37.5°	11652.6	10347.4	9519.2	9325.3
42.5°	8278.1	7397.9	6774.0	6568.6
47.5°	5956.4	5846.5	5710.0	5780.3
55°	3371.7	2677.3	1988.6	1688.7
65°	577.4	591.2	280.7	258.1
75°	63.4	70.8	43.1	31.1
85°	35.4	36.9	32.6	3.7
90°	0.0	0.0	0.0	0.0

(END OF REPORT)