

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: P232892

Luminaire Tested: **NFFLD-L-C125-D-UNV-66-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P232892
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1708-236-1)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NFFLD-L-C125-D-UNV-66-7030
Description: LED FLOOD LIGHT LUMINAIRE
Light Source: (4) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37599 lumens
Efficiency: N/A
Efficacy: 140.3 lumens/watt
Luminous Opening: (L: 0 ' x W: 1 ' x H: 1.04 '
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B5 - U0 - G3

Input Watts (W): 268
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

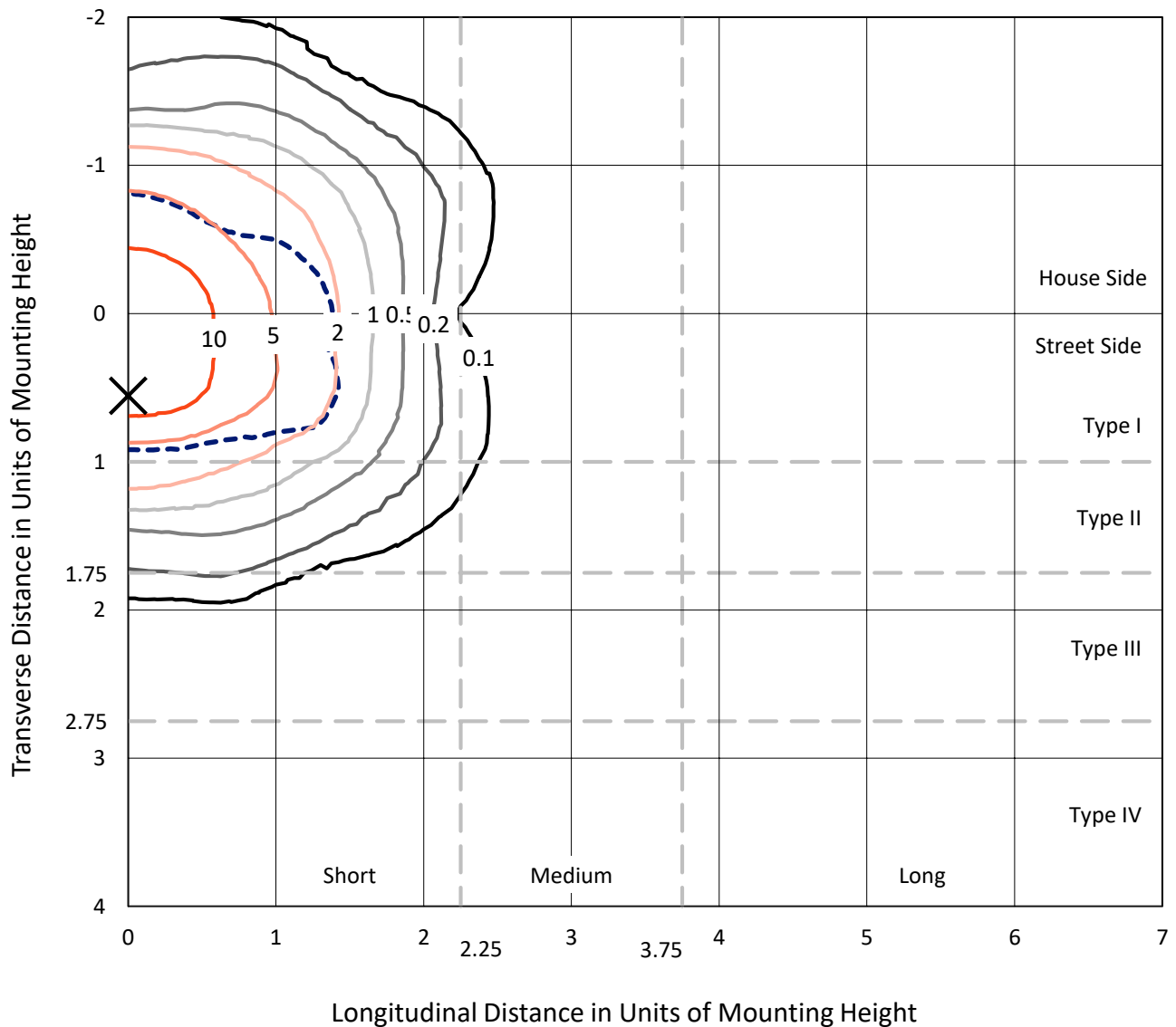


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Iso-Footcandle Lines of Horizontal Illumination

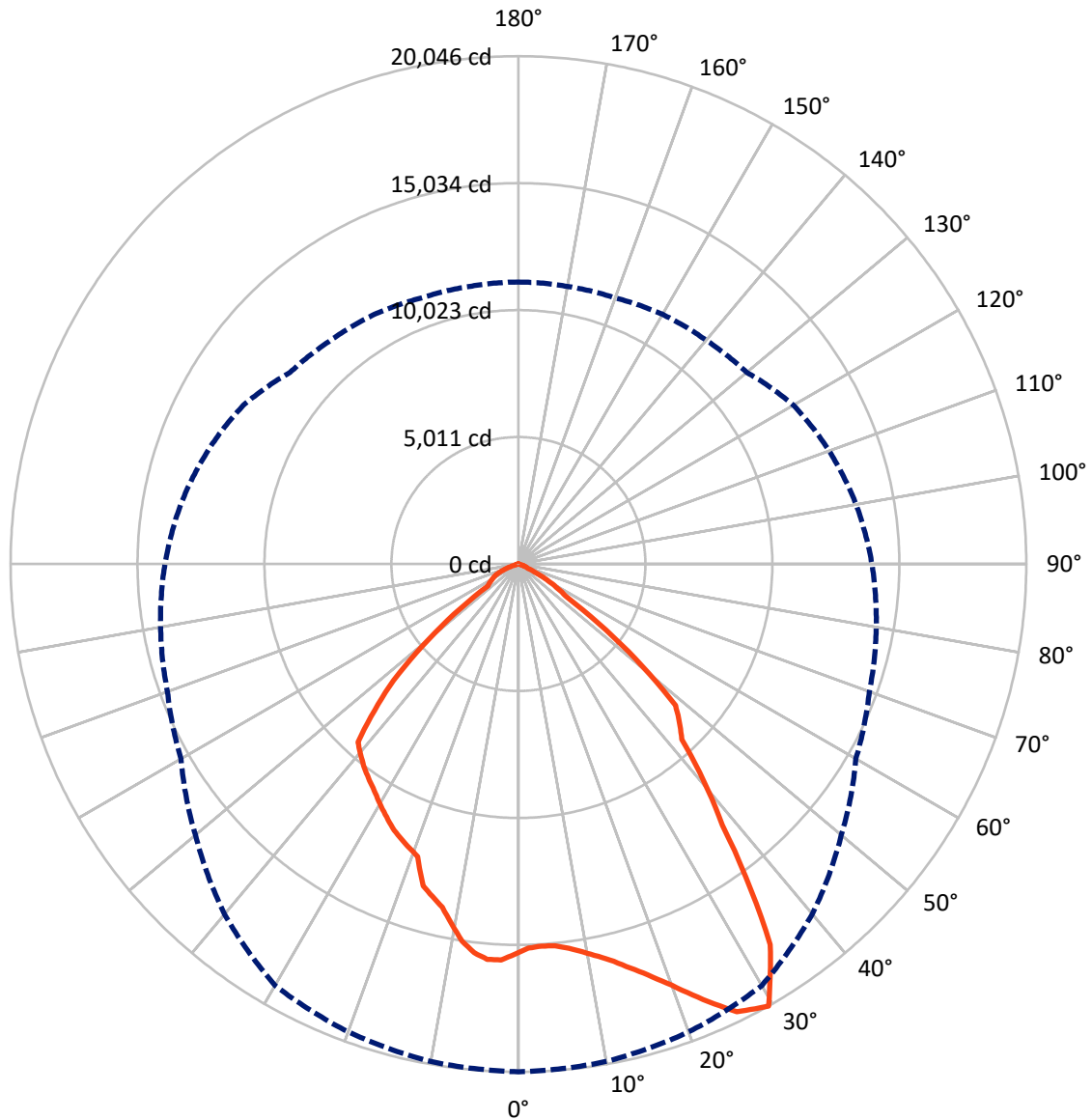
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 17 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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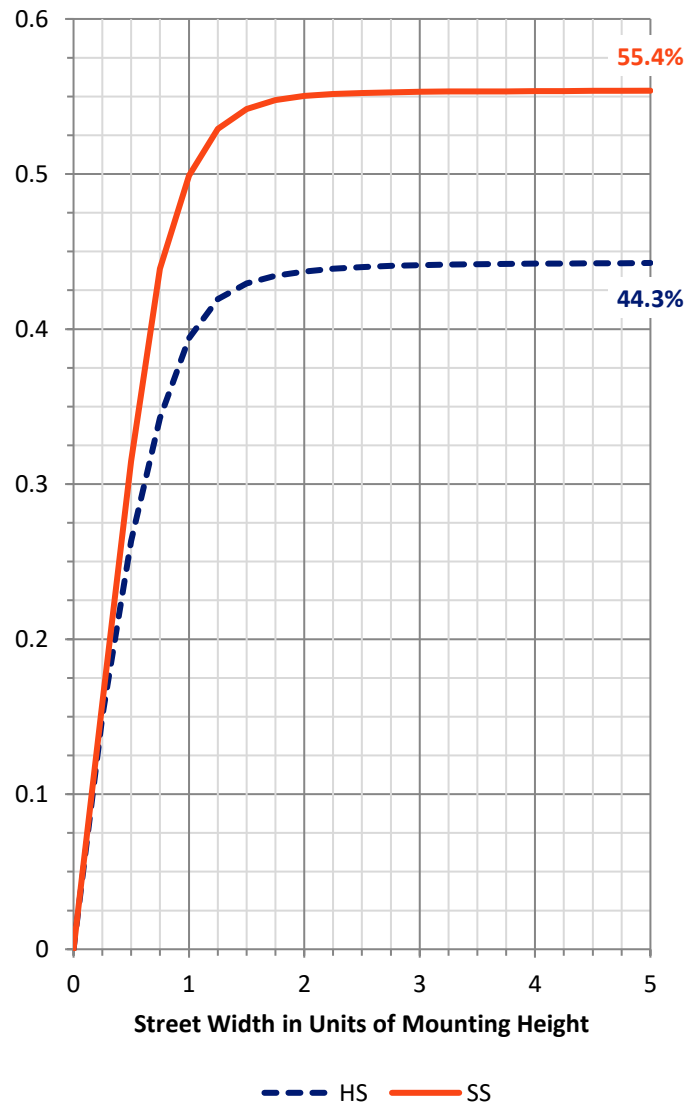
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16788.1	0.0	16788.1
	% Fixture	44.7	0.0	44.7
Street Side	Lumens	20810.9	0.0	20810.9
	% Fixture	55.3	0.0	55.3
Total	Lumens	37599.0	0.0	37599.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1462.7	3.9
10°-20°	4257.3	11.3
20°-30°	6835.3	18.2
30°-40°	8421.2	22.4
40°-50°	8260.5	22.0
50°-60°	5793.8	15.4
60°-70°	2481.2	6.6
70°-80°	558.2	1.5
80°-90°	70.3	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°	37599.0	100.0
0°-180°	37599.0	100.0



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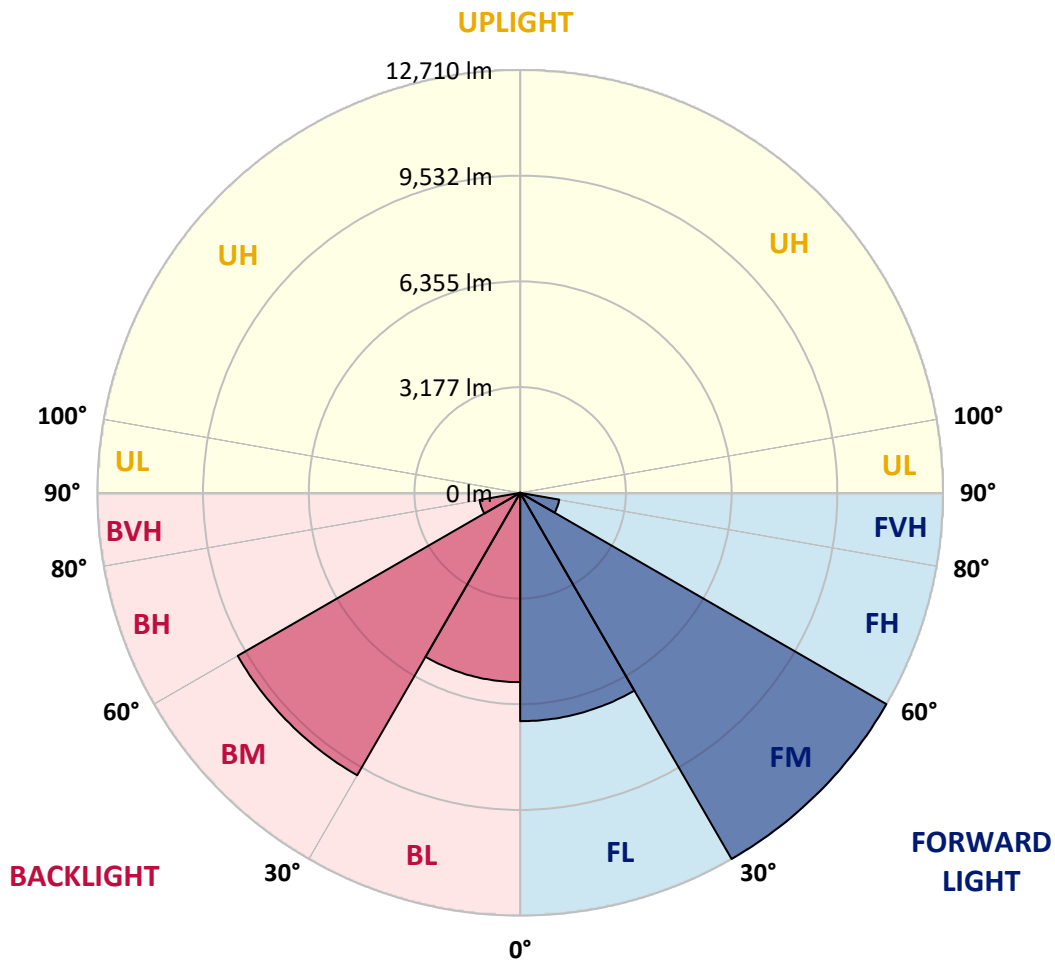
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6864.7	18.3			
FM	(30°-60°)	12710.0	33.8			
FH	(60°-80°)	1191.8	3.2			G1/1800
FVH	(80°-90°)	27.9	0.1			G1/100
BL	(0°-30°)	5692.0	15.1	B5		
BM	(30°-60°)	9803.2	26.1	B5		
BH	(60°-80°)	1241.5	3.3	B3/2500		G3/2500
BVH	(80°-90°)	37.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8
1°	15161.9	15166.5	15174.2	15184.6	15197.2	15211.6	15227.4	15244.0	15261.2	15278.7	15301.6
3°	15107.4	15109.9	15115.7	15124.8	15138.0	15155.1	15175.5	15198.5	15242.0	15286.5	15349.3
5°	15134.7	15151.6	15147.4	15138.1	15126.9	15113.7	15133.7	15174.7	15225.2	15307.9	15407.2
7°	15296.2	15278.7	15253.5	15215.1	15165.8	15129.5	15117.1	15145.2	15202.1	15305.9	15409.6
9°	15529.8	15504.8	15439.7	15355.6	15242.9	15162.0	15109.8	15122.7	15208.1	15324.4	15426.2
11°	15805.1	15769.4	15681.3	15546.1	15375.1	15210.6	15115.5	15122.3	15221.8	15345.8	15413.6
13°	16129.2	16089.6	15971.9	15770.3	15532.2	15306.1	15142.5	15112.6	15215.4	15324.4	15342.6
15°	16547.6	16488.5	16329.0	16039.2	15717.7	15418.9	15191.2	15111.8	15220.4	15282.6	15244.9
17°	17001.1	16920.4	16723.8	16357.5	15924.8	15534.4	15248.5	15122.0	15221.5	15238.8	15123.3
19.5°	17692.0	17559.4	17286.2	16801.3	16246.6	15698.7	15298.7	15082.9	15156.6	15113.3	14846.4
22.5°	18670.9	18479.2	18085.1	17448.6	16753.8	15970.9	15324.4	15023.0	15097.1	15278.7	14589.8
25.5°	19663.5	19468.4	18995.2	18256.5	17348.1	16353.7	15405.6	14905.7	14737.1	14539.1	14089.7
29°	20045.9	19939.8	19652.2	19211.8	18043.5	16639.9	15379.6	14740.1	14342.8	13952.4	13533.3
33°	18009.2	18179.8	18653.6	19384.7	18576.9	16927.0	15391.4	14659.6	13903.1	13285.8	12854.0
37.5°	13078.5	13514.7	14755.5	16578.8	17669.3	17135.6	15557.4	14622.5	13466.1	12701.9	12197.2
42.5°	9463.4	9739.6	10559.4	11688.3	13919.8	15950.3	15785.2	14610.0	12922.3	12328.2	11736.4
47.5°	8346.3	8280.9	8424.3	8573.2	9711.0	12635.2	15318.1	14317.1	12182.9	11730.8	11404.6
55°	2328.6	2815.8	3846.3	4868.3	6247.6	7244.4	11067.1	11154.4	9451.9	9728.1	9316.4
65°	422.3	409.6	850.9	844.3	1252.4	2093.8	2804.5	2975.4	2240.1	1338.0	2314.3
75°	51.6	75.2	107.7	90.5	93.7	82.3	195.9	179.0	251.6	297.8	367.2
85°	19.5	44.8	53.7	47.6	47.9	51.2	59.6	64.2	76.4	67.1	80.6
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°	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8
1°	15323.6	15343.7	15361.3	15375.7	15386.4	15393.4	15396.4	15395.5	15396.4	15393.4	15386.4
3°	15410.7	15468.3	15521.5	15568.8	15608.8	15640.1	15648.1	15643.6	15648.1	15640.1	15608.8
5°	15492.8	15576.0	15631.5	15632.4	15636.7	15644.5	15653.3	15651.4	15653.3	15644.5	15636.7
7°	15511.8	15567.5	15574.8	15550.5	15501.3	15471.5	15454.4	15438.3	15454.4	15471.5	15501.3
9°	15506.3	15472.5	15388.0	15314.0	15211.9	15137.6	15076.9	15048.1	15076.9	15137.6	15211.9
11°	15406.9	15290.3	15116.8	14930.1	14779.8	14629.5	14517.6	14443.8	14517.6	14629.5	14779.8
13°	15241.0	15009.8	14720.3	14478.1	14277.8	14096.5	13952.0	13879.4	13952.0	14096.5	14277.8
15°	15030.3	14682.2	14341.8	14063.4	13828.8	13703.1	13603.9	13552.4	13603.9	13703.1	13828.8
17°	14772.6	14377.3	14033.4	13734.0	13548.3	13366.8	13236.8	13247.8	13236.8	13366.8	13548.3
19.5°	14424.3	14062.2	13721.7	13434.1	13132.2	12648.9	12324.8	12210.5	12324.8	12648.9	13132.2
22.5°	14077.4	13690.1	13340.5	12863.8	12195.8	12018.8	11937.7	11906.9	11937.7	12018.8	12195.8
25.5°	13679.9	13234.3	12781.6	12091.3	11824.7	11654.5	11594.5	11598.4	11594.5	11654.5	11824.7
29°	13051.0	12534.2	11763.9	11526.2	11376.3	11173.9	11124.2	11129.4	11124.2	11173.9	11376.3
33°	12304.9	11628.3	11002.3	10889.5	10704.8	10600.4	10588.0	10594.2	10588.0	10600.4	10704.8
37.5°	11551.9	10806.8	10360.2	10110.2	10019.1	10049.2	10056.3	10095.0	10056.3	10049.2	10019.1
42.5°	10909.1	10207.3	9626.1	9361.9	9369.7	9356.0	9365.4	9463.4	9365.4	9356.0	9369.7
47.5°	10464.8	9756.8	8861.9	8588.6	8271.3	7394.9	6847.1	6740.7	6847.1	7394.9	8271.3
55°	8842.8	8724.7	7311.8	5771.2	4069.6	2691.1	1850.4	1476.2	1850.4	2691.1	4069.6
65°	3129.8	2681.5	1594.3	1181.0	1268.2	1089.9	964.2	958.5	964.2	1089.9	1268.2
75°	356.7	311.6	272.7	227.8	278.2	216.3	139.3	114.8	139.3	216.3	278.2
85°	73.0	73.0	73.5	64.2	50.0	45.0	25.6	11.7	25.6	45.0	50.0
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):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8	15276.8
1°	15375.7	15361.3	15343.7	15323.6	15301.6	15278.7	15261.2	15244.0	15227.4	15211.6	15197.2
3°	15568.8	15521.5	15468.3	15410.7	15349.3	15286.5	15242.0	15198.5	15175.5	15155.1	15138.0
5°	15632.4	15631.5	15576.0	15492.8	15407.2	15307.9	15225.2	15174.7	15133.7	15113.7	15126.9
7°	15550.5	15574.8	15567.5	15511.8	15409.6	15305.9	15202.1	15145.2	15117.1	15129.5	15165.8
9°	15314.0	15388.0	15472.5	15506.3	15426.2	15324.4	15208.1	15122.7	15109.8	15162.0	15242.9
11°	14930.1	15116.8	15290.3	15406.9	15413.6	15345.8	15221.8	15122.3	15115.5	15210.6	15375.1
13°	14478.1	14720.3	15009.8	15241.0	15342.6	15324.4	15215.4	15112.6	15142.5	15306.1	15532.2
15°	14063.4	14341.8	14682.2	15030.3	15244.9	15282.6	15220.4	15111.8	15191.2	15418.9	15717.7
17°	13734.0	14033.4	14377.3	14772.6	15123.3	15238.8	15221.5	15122.0	15248.5	15534.4	15924.8
19.5°	13434.1	13721.7	14062.2	14424.3	14846.4	15113.3	15156.6	15082.9	15298.7	15698.7	16246.6
22.5°	12863.8	13340.5	13690.1	14077.4	14589.8	15278.7	15097.1	15023.0	15324.4	15970.9	16753.8
25.5°	12091.3	12781.6	13234.3	13679.9	14089.7	14539.1	14737.1	14905.7	15405.6	16353.7	17348.1
29°	11526.2	11763.9	12534.2	13051.0	13533.3	13952.4	14342.8	14740.1	15379.6	16639.9	18043.5
33°	10889.5	11002.3	11628.3	12304.9	12854.0	13285.8	13903.1	14659.6	15391.4	16927.0	18576.9
37.5°	10110.2	10360.2	10806.8	11551.9	12197.2	12701.9	13466.1	14622.5	15557.4	17135.6	17669.3
42.5°	9361.9	9626.1	10207.3	10909.1	11736.4	12328.2	12922.3	14610.0	15785.2	15950.3	13919.8
47.5°	8588.6	8861.9	9756.8	10464.8	11404.6	11730.8	12182.9	14317.1	15318.1	12635.2	9711.0
55°	5771.2	7311.8	8724.7	8842.8	9316.4	9728.1	9451.9	11154.4	11067.1	7244.4	6247.6
65°	1181.0	1594.3	2681.5	3129.8	2314.3	1338.0	2240.1	2975.4	2804.5	2093.8	1252.4
75°	227.8	272.7	311.6	356.7	367.2	297.8	251.6	179.0	195.9	82.3	93.7
85°	64.2	73.5	73.0	73.0	80.6	67.1	76.4	64.2	59.6	51.2	47.9
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):

	330°	340°	350°	360°
0°	15276.8	15276.8	15276.8	15276.8
1°	15184.6	15174.2	15166.5	15161.9
3°	15124.8	15115.7	15109.9	15107.4
5°	15138.1	15147.4	15151.6	15134.7
7°	15215.1	15253.5	15278.7	15296.2
9°	15355.6	15439.7	15504.8	15529.8
11°	15546.1	15681.3	15769.4	15805.1
13°	15770.3	15971.9	16089.6	16129.2
15°	16039.2	16329.0	16488.5	16547.6
17°	16357.5	16723.8	16920.4	17001.1
19.5°	16801.3	17286.2	17559.4	17692.0
22.5°	17448.6	18085.1	18479.2	18670.9
25.5°	18256.5	18995.2	19468.4	19663.5
29°	19211.8	19652.2	19939.8	20045.9
33°	19384.7	18653.6	18179.8	18009.2
37.5°	16578.8	14755.5	13514.7	13078.5
42.5°	11688.3	10559.4	9739.6	9463.4
47.5°	8573.2	8424.3	8280.9	8346.3
55°	4868.3	3846.3	2815.8	2328.6
65°	844.3	850.9	409.6	422.3
75°	90.5	107.7	75.2	51.6
85°	47.6	53.7	44.8	19.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)