

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: STREETWORKS

Report Number: P189780

Luminaire Tested: **UFLD-S-C15-X-U-33-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P189780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-16-1017-4)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-C15-X-U-33-7030
Description: NIGHT CONDOR LED FLOODLIGHT
Light Source: (2) CITIZEN 3000 70
CLU028-1204C4-30AL7K3
Ballast/Driver: OSRAM ELECTRONIC DRIVER
OT50W/UNV/800C/2DIMLT2/P6

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5386.4 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: (L: 0 ' x W: 0.46 ' x H: 0.33 '
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 57.8
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

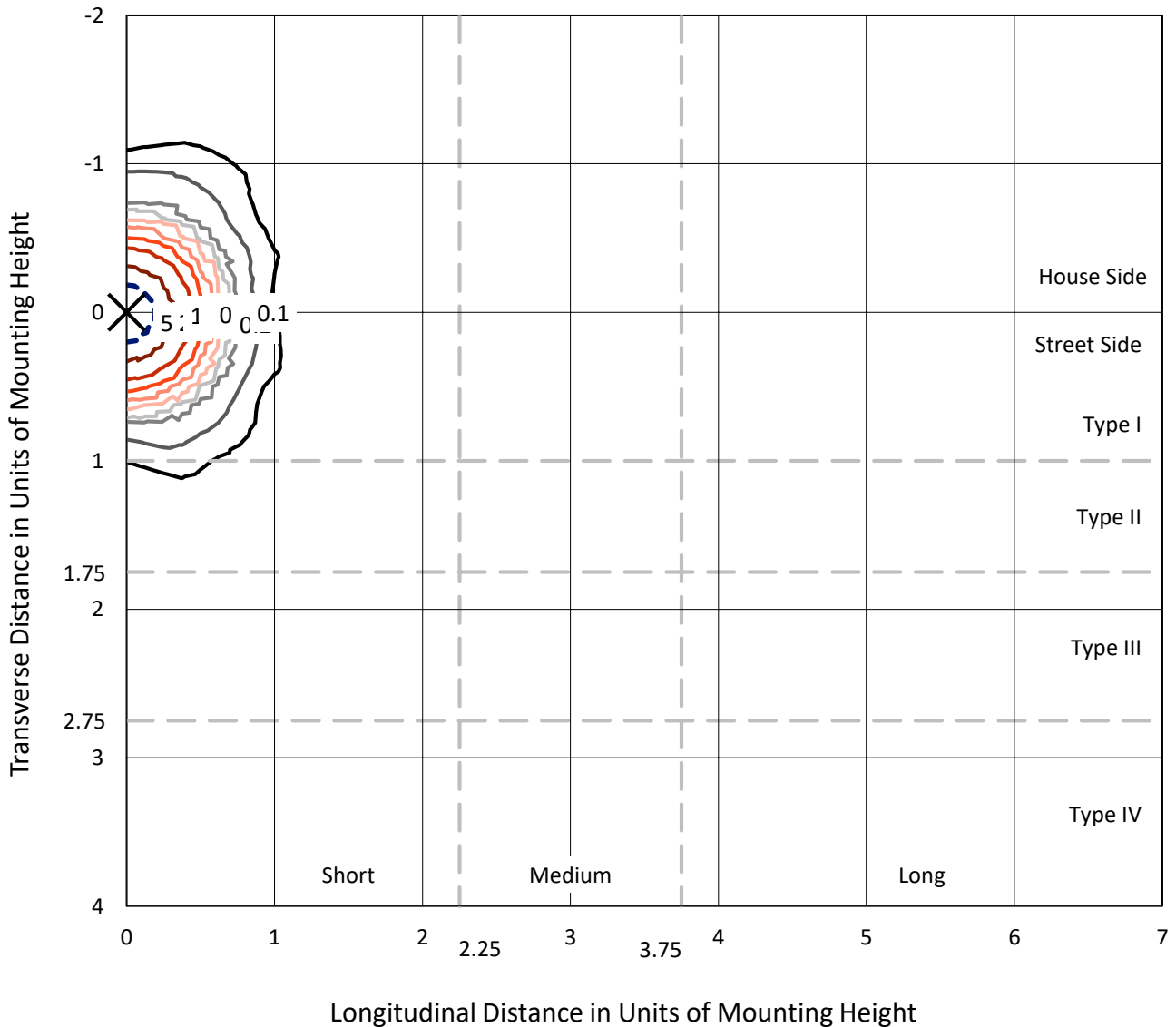


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

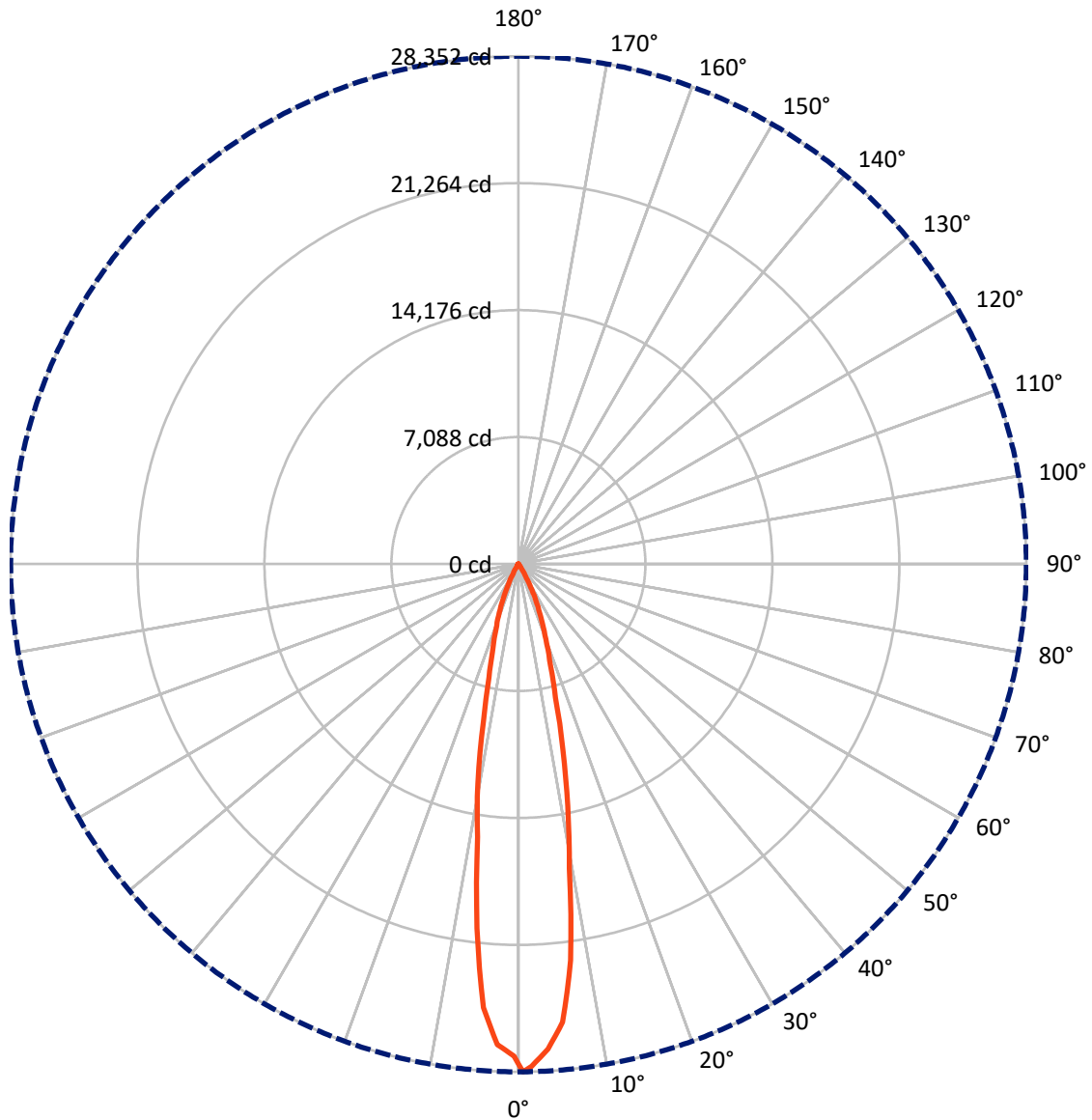


Based on 10 foot mounting height. Maximum calculated value = 283.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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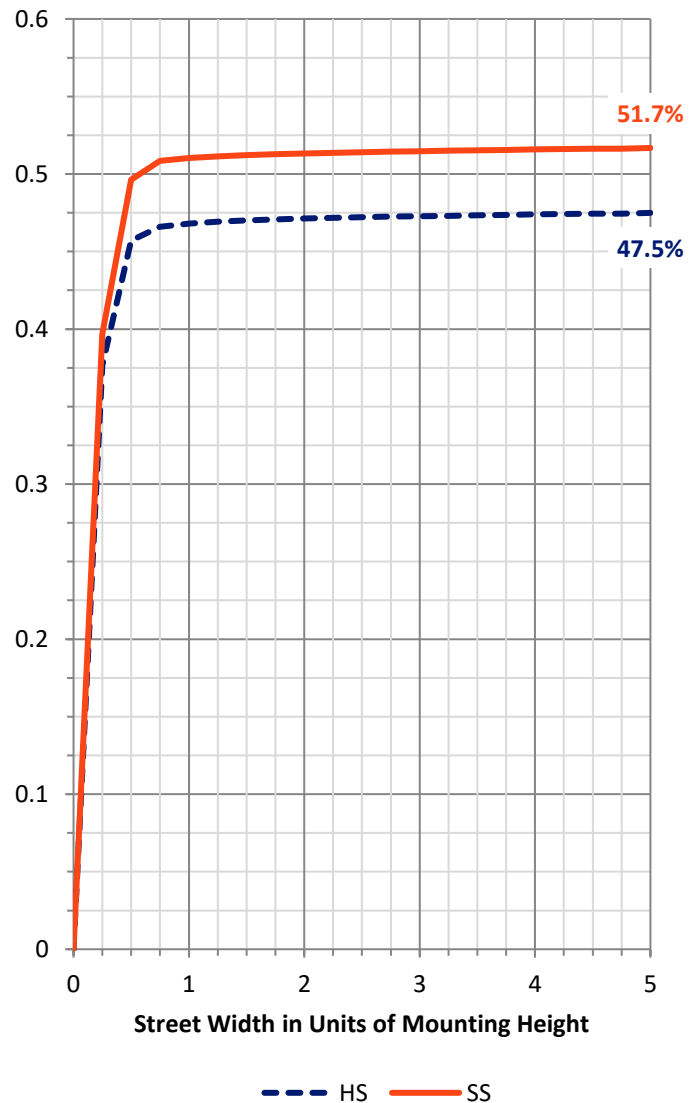
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2604.7	0.0	2604.7
	% Fixture	48.4	0.0	48.4
Street Side	Lumens	2781.7	0.0	2781.7
	% Fixture	51.6	0.0	51.6
Total	Lumens	5386.4	0.0	5386.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2016.9	37.4
10°-20°	2133.8	39.6
20°-30°	976.9	18.1
30°-40°	192.5	3.6
40°-50°	32.8	0.6
50°-60°	19.6	0.4
60°-70°	17.8	0.3
70°-80°	33.6	0.6
80°-90°	23.7	0.4
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°	5386.4	100.0
0°-180°	5386.4	100.0



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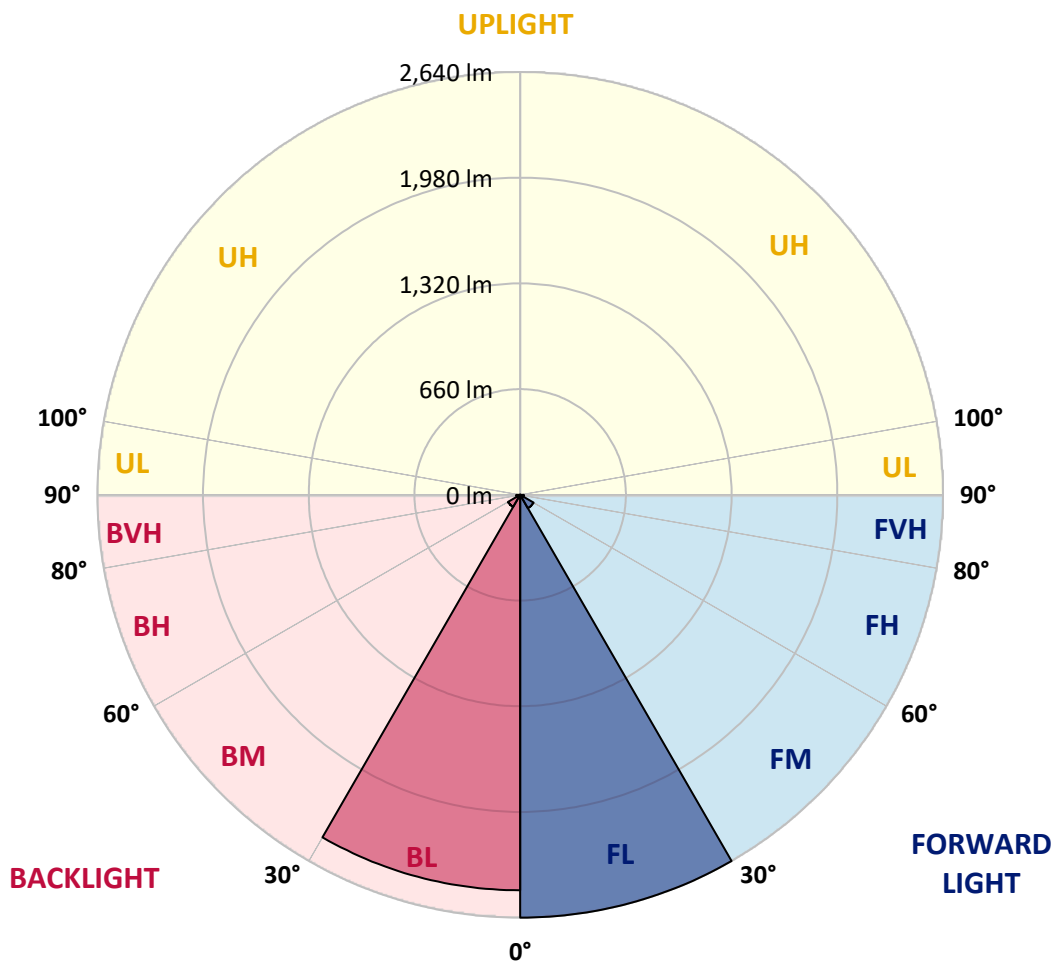
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2639.7	49.0			
FM	(30°-60°)	96.6	1.8			
FH	(60°-80°)	22.4	0.4			G0/660
FVH	(80°-90°)	22.6	0.4			G1/100
BL	(0°-30°)	2468.8	45.8	B3/2500		
BM	(30°-60°)	88.0	1.6	B0/220		
BH	(60°-80°)	23.9	0.4	B0/110		G0/660
BVH	(80°-90°)	23.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3
1°	28055.1	27939.9	27837.7	27752.3	27686.7	27642.9	27622.3	27625.4	27651.7	27699.8	27660.2
3°	27121.9	27084.2	27044.0	26920.4	26842.8	26816.6	26842.5	26917.0	26928.6	26951.5	26902.2
5°	25698.8	25537.7	25323.6	25258.7	25247.6	25175.8	25078.5	25057.0	25188.2	25191.6	25057.6
7°	22320.4	22019.5	21813.6	21729.9	21724.7	21625.9	21392.5	21281.1	21329.7	21327.1	21084.1
9°	17241.0	17032.4	17198.4	17200.5	17025.6	16886.8	16879.3	16701.6	16388.1	16310.7	16184.3
11°	13800.5	13632.8	13559.6	13524.9	13492.5	13430.8	13334.7	13287.3	13297.0	13298.1	13082.0
13°	10636.9	10473.3	10463.4	10352.0	10319.1	10297.6	10247.2	10191.0	10008.8	9894.4	9744.6
15°	7748.3	7673.5	7807.3	7601.9	7682.7	7650.1	7468.5	7484.3	7249.9	7101.6	7052.9
17°	5949.6	5887.1	5904.3	5827.4	5834.7	5757.1	5727.1	5675.8	5589.3	5481.1	5456.7
19.5°	4455.9	4379.9	4375.7	4323.7	4328.1	4334.3	4292.5	4278.8	4191.3	4199.4	4099.9
22.5°	3162.6	3129.6	3112.3	3109.6	3107.0	3102.6	3052.2	3032.4	2999.4	2951.6	2922.7
25.5°	2108.4	2069.9	2069.2	2055.1	2075.5	2060.3	2008.3	2003.0	1975.0	1938.0	1907.6
29°	1008.7	991.8	1014.2	978.7	987.2	972.8	977.4	970.8	899.0	856.7	858.6
33°	201.4	232.1	284.0	250.3	264.2	252.6	277.0	281.7	227.4	164.6	210.5
37.5°	47.4	65.9	78.4	74.0	69.0	63.1	68.2	68.0	72.7	51.3	66.0
42.5°	38.7	46.8	60.4	55.7	59.0	51.9	49.3	47.2	48.7	36.8	34.0
47.5°	19.4	27.4	44.1	39.4	43.5	37.8	21.7	34.7	24.3	17.4	19.5
55°	11.6	21.6	25.5	15.6	18.8	19.2	4.1	8.1	8.0	3.9	4.2
65°	19.4	26.8	19.9	16.8	12.6	10.4	11.6	15.0	12.7	5.8	17.2
75°	7.7	26.1	14.6	16.4	18.2	24.6	27.5	28.5	35.7	27.1	34.7
85°	0.0	12.9	40.4	59.7	74.4	74.6	77.4	85.0	88.0	88.1	82.2
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°	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3
1°	27632.2	27608.4	27583.4	27554.6	27523.0	27492.8	27470.9	27466.5	27470.9	27492.8	27523.0
3°	26870.4	26744.8	26676.6	26670.2	26726.0	26839.5	26838.8	26859.5	26838.8	26839.5	26726.0
5°	24795.6	24713.1	24707.3	24617.6	24529.2	24598.5	24851.6	24848.9	24851.6	24598.5	24529.2
7°	20813.0	20709.8	20695.8	20583.2	20352.1	20266.6	20445.8	20466.5	20445.8	20266.6	20352.1
9°	16311.5	16171.1	15970.9	15887.5	15893.3	15842.1	15545.3	15406.5	15545.3	15842.1	15893.3
11°	12864.6	12788.7	12707.6	12579.7	12491.2	12378.6	12399.4	12444.3	12399.4	12378.6	12491.2
13°	9645.3	9535.4	9452.9	9359.2	9243.5	9160.8	9113.3	8999.0	9113.3	9160.8	9243.5
15°	7038.6	6874.5	6878.9	6840.2	6653.1	6744.5	6661.7	6525.6	6661.7	6744.5	6653.1
17°	5388.8	5334.0	5279.9	5243.4	5218.0	5208.9	5147.6	5138.4	5147.6	5208.9	5218.0
19.5°	4065.4	3988.3	3970.1	3927.4	3909.2	3910.4	3837.9	3833.5	3837.9	3910.4	3909.2
22.5°	2884.8	2861.5	2861.6	2806.5	2787.0	2769.1	2749.7	2739.6	2749.7	2769.1	2787.0
25.5°	1889.7	1851.9	1835.4	1811.0	1770.5	1775.6	1745.4	1721.2	1745.4	1775.6	1770.5
29°	890.9	846.0	819.9	812.8	779.7	806.8	768.6	732.8	768.6	806.8	779.7
33°	248.7	233.0	211.6	210.1	173.8	221.0	172.9	133.6	172.9	221.0	173.8
37.5°	62.0	71.9	61.0	69.4	74.2	79.8	71.3	62.9	71.3	79.8	74.2
42.5°	44.8	51.7	47.4	57.2	57.5	63.1	58.4	59.1	58.4	63.1	57.5
47.5°	32.8	27.6	34.5	45.5	49.1	44.5	38.6	31.0	38.6	44.5	49.1
55°	18.5	10.3	15.1	33.4	27.8	31.3	16.1	0.0	16.1	31.3	27.8
65°	17.6	11.7	25.1	15.1	15.8	27.0	16.5	0.0	16.5	27.0	15.8
75°	33.4	30.9	34.4	21.7	15.3	13.8	24.1	0.0	24.1	13.8	15.3
85°	88.5	78.8	80.8	81.7	64.3	46.1	12.8	0.0	12.8	46.1	64.3
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°	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3	28352.3
1°	27554.6	27583.4	27608.4	27632.2	27660.2	27699.8	27651.7	27625.4	27622.3	27642.9	27686.7
3°	26670.2	26676.6	26744.8	26870.4	26902.2	26951.5	26928.6	26917.0	26842.5	26816.6	26842.8
5°	24617.6	24707.3	24713.1	24795.6	25057.6	25191.6	25188.2	25057.0	25078.5	25175.8	25247.6
7°	20583.2	20695.8	20709.8	20813.0	21084.1	21327.1	21329.7	21281.1	21392.5	21625.9	21724.7
9°	15887.5	15970.9	16171.1	16311.5	16184.3	16310.7	16388.1	16701.6	16879.3	16886.8	17025.6
11°	12579.7	12707.6	12788.7	12864.6	13082.0	13298.1	13297.0	13287.3	13334.7	13430.8	13492.5
13°	9359.2	9452.9	9535.4	9645.3	9744.6	9894.4	10008.8	10191.0	10247.2	10297.6	10319.1
15°	6840.2	6878.9	6874.5	7038.6	7052.9	7101.6	7249.9	7484.3	7468.5	7650.1	7682.7
17°	5243.4	5279.9	5334.0	5388.8	5456.7	5481.1	5589.3	5675.8	5727.1	5757.1	5834.7
19.5°	3927.4	3970.1	3988.3	4065.4	4099.9	4199.4	4191.3	4278.8	4292.5	4334.3	4328.1
22.5°	2806.5	2861.6	2861.5	2884.8	2922.7	2951.6	2999.4	3032.4	3052.2	3102.6	3107.0
25.5°	1811.0	1835.4	1851.9	1889.7	1907.6	1938.0	1975.0	2003.0	2008.3	2060.3	2075.5
29°	812.8	819.9	846.0	890.9	858.6	856.7	899.0	970.8	977.4	972.8	987.2
33°	210.1	211.6	233.0	248.7	210.5	164.6	227.4	281.7	277.0	252.6	264.2
37.5°	69.4	61.0	71.9	62.0	66.0	51.3	72.7	68.0	68.2	63.1	69.0
42.5°	57.2	47.4	51.7	44.8	34.0	36.8	48.7	47.2	49.3	51.9	59.0
47.5°	45.5	34.5	27.6	32.8	19.5	17.4	24.3	34.7	21.7	37.8	43.5
55°	33.4	15.1	10.3	18.5	4.2	3.9	8.0	8.1	4.1	19.2	18.8
65°	15.1	25.1	11.7	17.6	17.2	5.8	12.7	15.0	11.6	10.4	12.6
75°	21.7	34.4	30.9	33.4	34.7	27.1	35.7	28.5	27.5	24.6	18.2
85°	81.7	80.8	78.8	88.5	82.2	88.1	88.0	85.0	77.4	74.6	74.4
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°	28352.3	28352.3	28352.3	28352.3
1°	27752.3	27837.7	27939.9	28055.1
3°	26920.4	27044.0	27084.2	27121.9
5°	25258.7	25323.6	25537.7	25698.8
7°	21729.9	21813.6	22019.5	22320.4
9°	17200.5	17198.4	17032.4	17241.0
11°	13524.9	13559.6	13632.8	13800.5
13°	10352.0	10463.4	10473.3	10636.9
15°	7601.9	7807.3	7673.5	7748.3
17°	5827.4	5904.3	5887.1	5949.6
19.5°	4323.7	4375.7	4379.9	4455.9
22.5°	3109.6	3112.3	3129.6	3162.6
25.5°	2055.1	2069.2	2069.9	2108.4
29°	978.7	1014.2	991.8	1008.7
33°	250.3	284.0	232.1	201.4
37.5°	74.0	78.4	65.9	47.4
42.5°	55.7	60.4	46.8	38.7
47.5°	39.4	44.1	27.4	19.4
55°	15.6	25.5	21.6	11.6
65°	16.8	19.9	26.8	19.4
75°	16.4	14.6	26.1	7.7
85°	59.7	40.4	12.9	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)