

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: G2-16-1017-4

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

Test Date: 05/20/16

Test Information

Test Method: LM-79-08
Report Number: G2-16-1017-4
Test Lab: INNOVATION CENTER(G2)
Test Date: 05/20/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UFLD-S-C15-X-U-33
Description: LOW WATTAGE LED FLOODLIGHT
Light Source: (2) CITIZEN 4000 70
CLU028-1204C4-40AL7K3
Ballast/Driver: (1) OSRAM ELECTRONIC DRIVER
OT50/UNV0680C/2DIMLT2

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5564.2 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: (L: 0 ' x W: 0.46 ' x H: 0.33 '
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G1

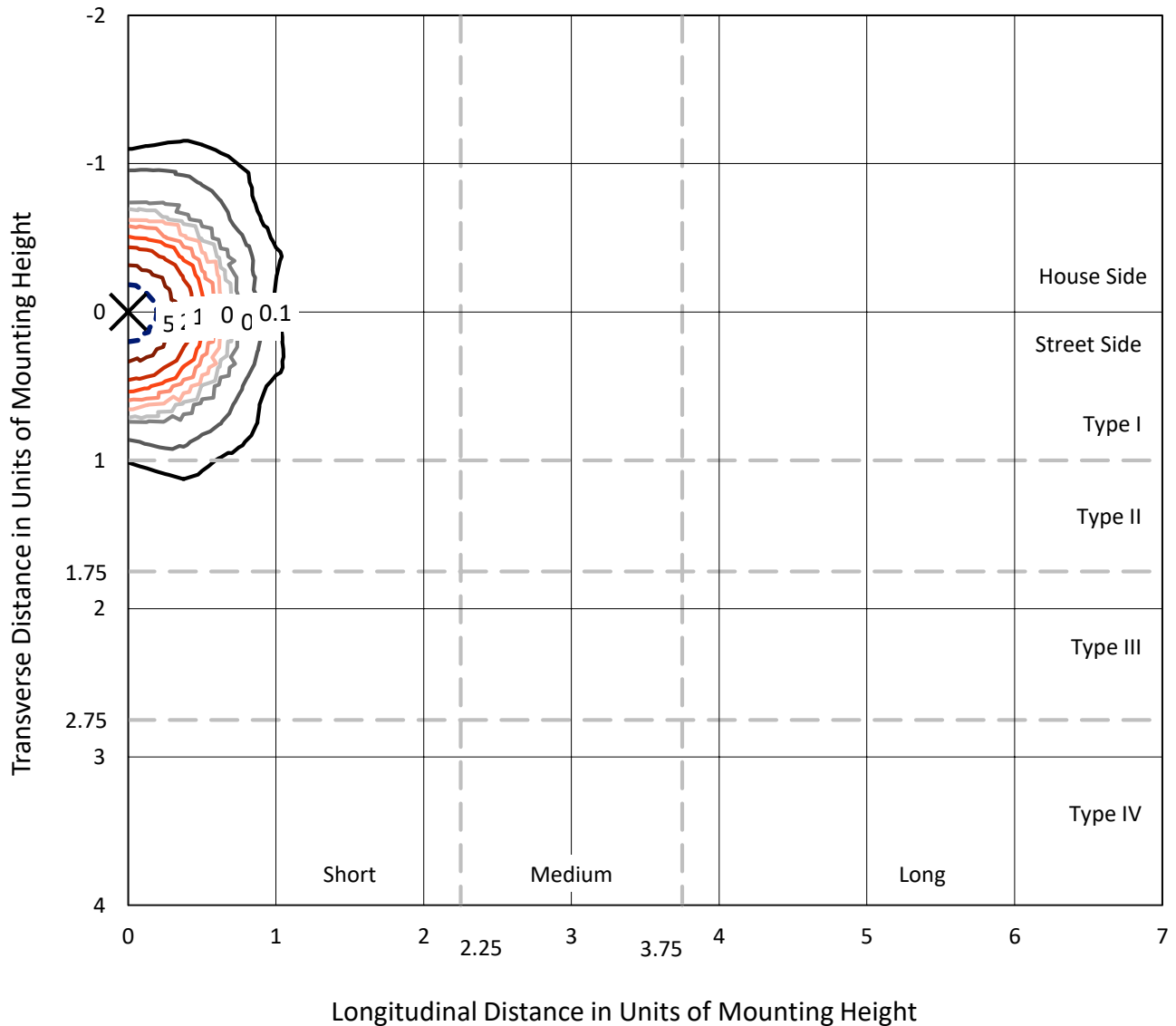
Input Watts (W): 57.8
Input Voltage (V): 120.1
Input Current (Ain): 0.483
Voltage Rise (V): NR
Power Factor: 0.9989
Total Harmonic Distortion (THDi): 4.56%
Frequency (hertz): 60
Stabilization Time: 0.5 HR
Operation Time: 24 HR
Ambient Temperature (°C): 24.3
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

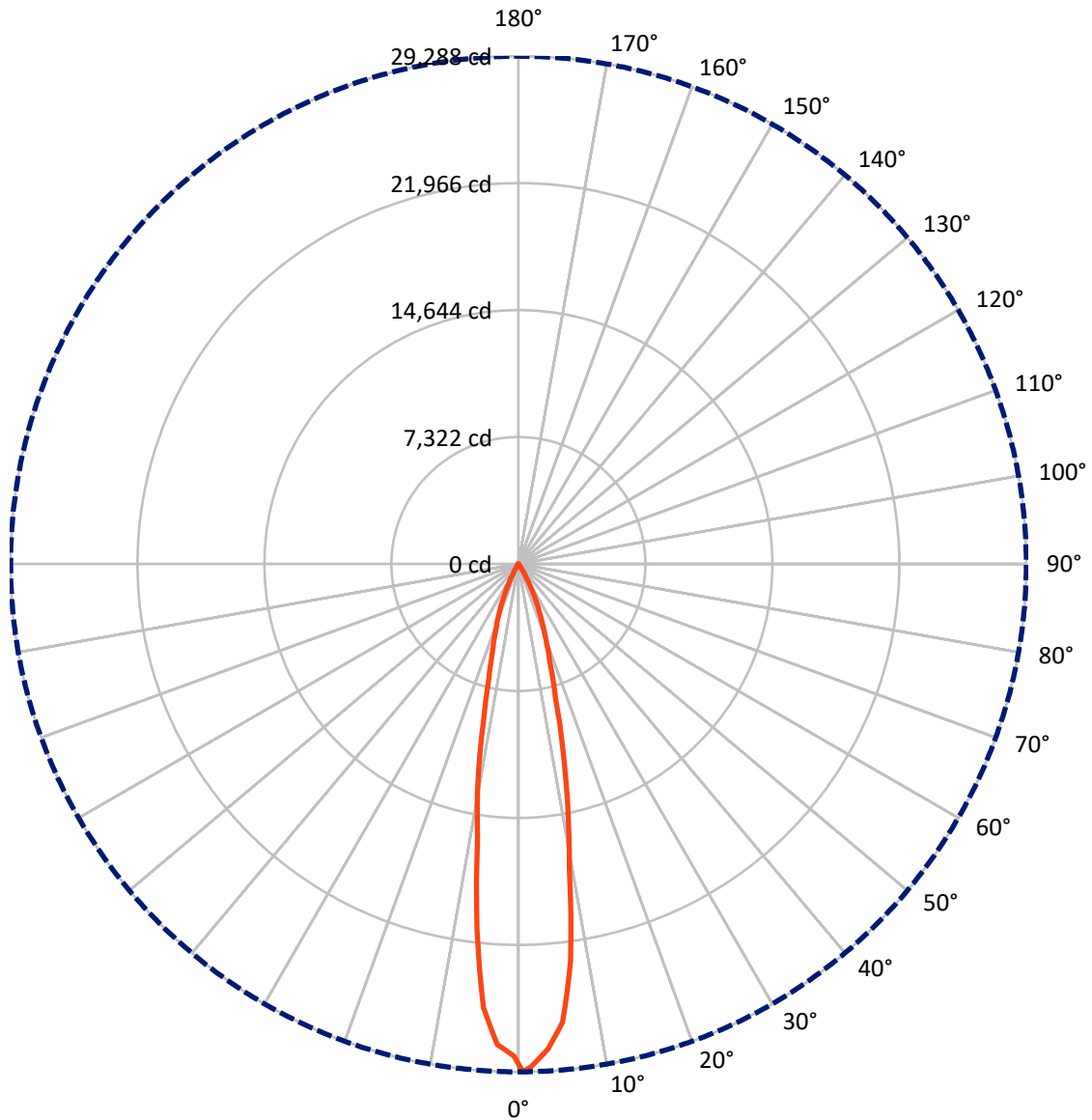
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 292.9 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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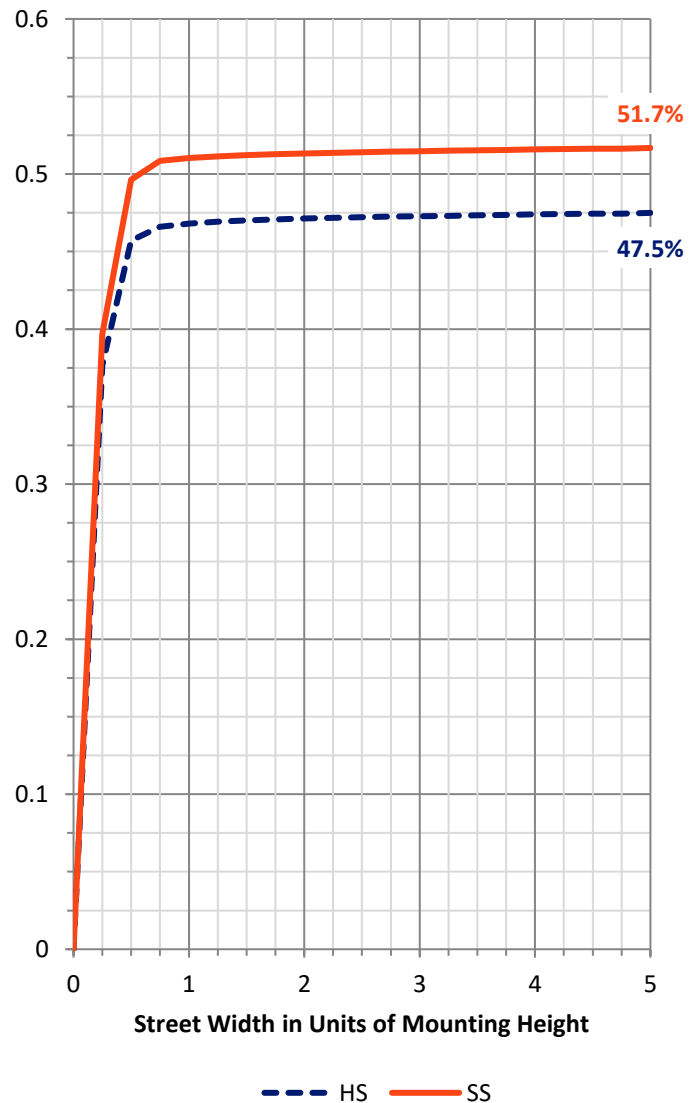
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2690.7	0.0	2690.7
	% Fixture	48.4	0.0	48.4
Street Side	Lumens	2873.5	0.0	2873.5
	% Fixture	51.6	0.0	51.6
Total	Lumens	5564.2	0.0	5564.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2083.5	37.4
10°-20°	2204.2	39.6
20°-30°	1009.2	18.1
30°-40°	198.9	3.6
40°-50°	33.9	0.6
50°-60°	20.3	0.4
60°-70°	18.4	0.3
70°-80°	34.7	0.6
80°-90°	24.5	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°	5564.2	100.0
0°-180°	5564.2	100.0



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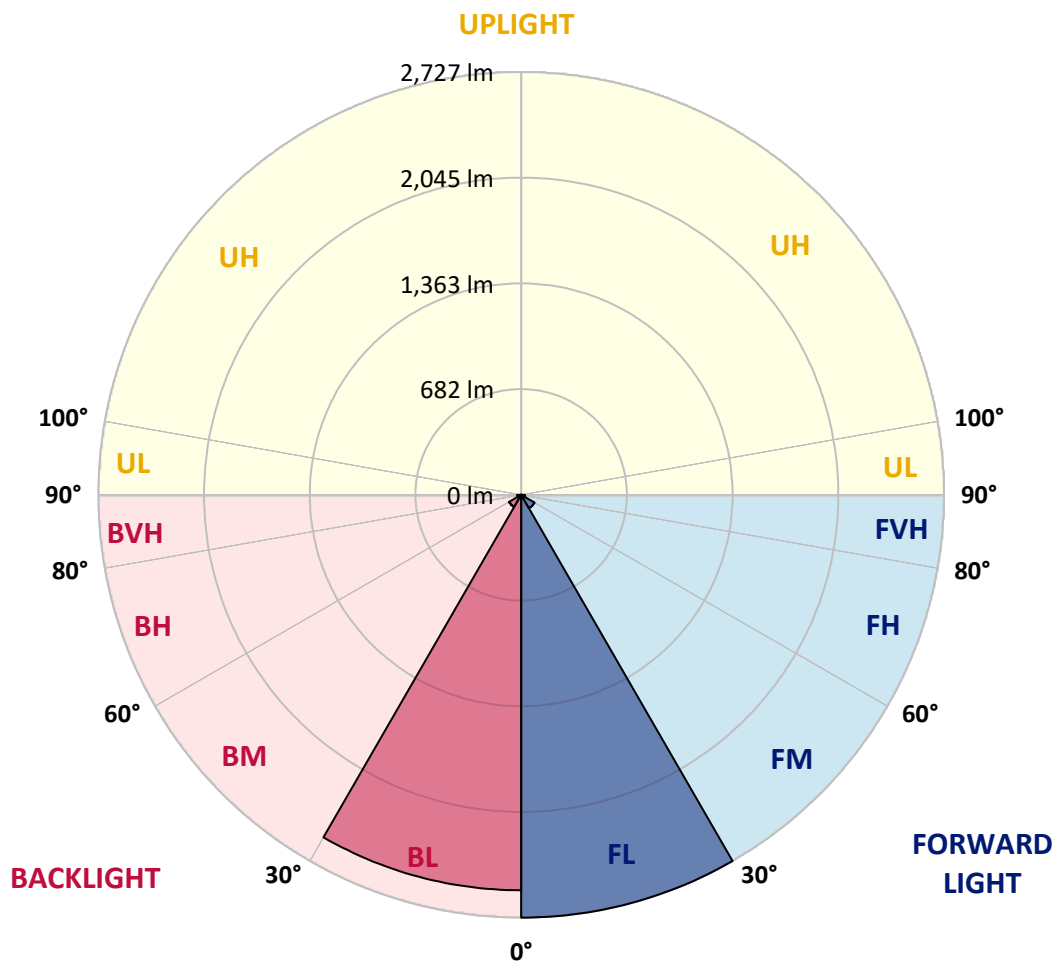
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2726.8	49.0			
FM (30°-60°)	99.8	1.8			
FH (60°-80°)	23.1	0.4			G0/660
FVH (80°-90°)	23.4	0.4			G1/100
BL (0°-30°)	2550.3	45.8	B4/5000		
BM (30°-60°)	91.0	1.6	B0/220		
BH (60°-80°)	24.7	0.4	B0/110		G0/660
BVH (80°-90°)	24.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288
1°	28981	28862	28757	28668	28600	28555	28534	28537	28564	28614	28573
3°	28017	27978	27937	27809	27729	27702	27728	27805	27817	27841	27790
5°	26547	26381	26159	26092	26081	26007	25906	25884	26020	26023	25885
7°	23057	22746	22534	22447	22442	22340	22099	21984	22034	22031	21780
9°	17810	17595	17766	17768	17587	17444	17436	17253	16929	16849	16718
11°	14256	14083	14007	13971	13938	13874	13775	13726	13736	13737	13514
13°	10988	10819	10809	10694	10660	10638	10586	10527	10339	10221	10066
15°	8004	7927	8065	7853	7936	7903	7715	7731	7489	7336	7286
17°	6146	6081	6099	6020	6027	5947	5916	5863	5774	5662	5637
19.5°	4603	4524	4520	4466	4471	4477	4434	4420	4330	4338	4235
22.5°	3267	3233	3215	3212	3210	3205	3153	3133	3098	3049	3019
25.5°	2178	2138	2138	2123	2144	2128	2075	2069	2040	2002	1971
29°	1042	1025	1048	1011	1020	1005	1010	1003	929	885	887
33°	208	240	293	259	273	261	286	291	235	170	218
37.5°	49	68	81	77	71	65	70	70	75	53	68
42.5°	40	48	63	58	61	54	51	49	50	38	35
47.5°	20	28	46	41	45	39	23	36	25	18	20
55°	12	22	26	16	19	20	4	8	8	4	4
65°	20	28	21	17	13	11	12	16	13	6	18
75°	8	27	15	17	19	25	29	30	37	28	36
85°	0	13	42	62	77	77	80	88	91	91	85
90°	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°	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288
1°	28544	28520	28494	28464	28431	28400	28378	28373	28378	28400	28431
3°	27757	27628	27557	27550	27608	27725	27725	27746	27725	27725	27608
5°	25614	25529	25523	25430	25339	25410	25672	25669	25672	25410	25339
7°	21500	21393	21379	21263	21024	20936	21121	21142	21121	20936	21024
9°	16850	16705	16498	16412	16418	16365	16058	15915	16058	16365	16418
11°	13289	13211	13127	12995	12903	12787	12809	12855	12809	12787	12903
13°	9964	9850	9765	9668	9549	9463	9414	9296	9414	9463	9549
15°	7271	7101	7106	7066	6873	6967	6882	6741	6882	6967	6873
17°	5567	5510	5454	5417	5390	5381	5318	5308	5318	5381	5390
19.5°	4200	4120	4101	4057	4038	4039	3965	3960	3965	4039	4038
22.5°	2980	2956	2956	2899	2879	2861	2841	2830	2841	2861	2879
25.5°	1952	1913	1896	1871	1829	1834	1803	1778	1803	1834	1829
29°	920	874	847	840	805	833	794	757	794	833	805
33°	257	241	219	217	180	228	179	138	179	228	180
37.5°	64	74	63	72	77	83	74	65	74	83	77
42.5°	46	53	49	59	59	65	60	61	60	65	59
47.5°	34	29	36	47	51	46	40	32	40	46	51
55°	19	11	16	35	29	32	17	0	17	32	29
65°	18	12	26	16	16	28	17	0	17	28	16
75°	35	32	36	23	16	14	25	0	25	14	16
85°	92	81	84	84	67	48	13	0	13	48	67
90°	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°	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288	29288
1°	28464	28494	28520	28544	28573	28614	28564	28537	28534	28555	28600
3°	27550	27557	27628	27757	27790	27841	27817	27805	27728	27702	27729
5°	25430	25523	25529	25614	25885	26023	26020	25884	25906	26007	26081
7°	21263	21379	21393	21500	21780	22031	22034	21984	22099	22340	22442
9°	16412	16498	16705	16850	16718	16849	16929	17253	17436	17444	17587
11°	12995	13127	13211	13289	13514	13737	13736	13726	13775	13874	13938
13°	9668	9765	9850	9964	10066	10221	10339	10527	10586	10638	10660
15°	7066	7106	7101	7271	7286	7336	7489	7731	7715	7903	7936
17°	5417	5454	5510	5567	5637	5662	5774	5863	5916	5947	6027
19.5°	4057	4101	4120	4200	4235	4338	4330	4420	4434	4477	4471
22.5°	2899	2956	2956	2980	3019	3049	3098	3133	3153	3205	3210
25.5°	1871	1896	1913	1952	1971	2002	2040	2069	2075	2128	2144
29°	840	847	874	920	887	885	929	1003	1010	1005	1020
33°	217	219	241	257	218	170	235	291	286	261	273
37.5°	72	63	74	64	68	53	75	70	70	65	71
42.5°	59	49	53	46	35	38	50	49	51	54	61
47.5°	47	36	29	34	20	18	25	36	23	39	45
55°	35	16	11	19	4	4	8	8	4	20	19
65°	16	26	12	18	18	6	13	16	12	11	13
75°	23	36	32	35	36	28	37	30	29	25	19
85°	84	84	81	92	85	91	91	88	80	77	77
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	29288	29288	29288	29288
1°	28668	28757	28862	28981
3°	27809	27937	27978	28017
5°	26092	26159	26381	26547
7°	22447	22534	22746	23057
9°	17768	17766	17595	17810
11°	13971	14007	14083	14256
13°	10694	10809	10819	10988
15°	7853	8065	7927	8004
17°	6020	6099	6081	6146
19.5°	4466	4520	4524	4603
22.5°	3212	3215	3233	3267
25.5°	2123	2138	2138	2178
29°	1011	1048	1025	1042
33°	259	293	240	208
37.5°	77	81	68	49
42.5°	58	63	48	40
47.5°	41	46	28	20
55°	16	26	22	12
65°	17	21	28	20
75°	17	15	27	8
85°	62	42	13	0
90°	0	0	0	0

(END OF REPORT)