

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: P560037

Luminaire Tested: **SDL-PA1-20-740-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560037
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-740-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1921.3 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type IV - Medium
BUG Rating: B0 - U2 - G1

Input Watts (W): 20.9
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

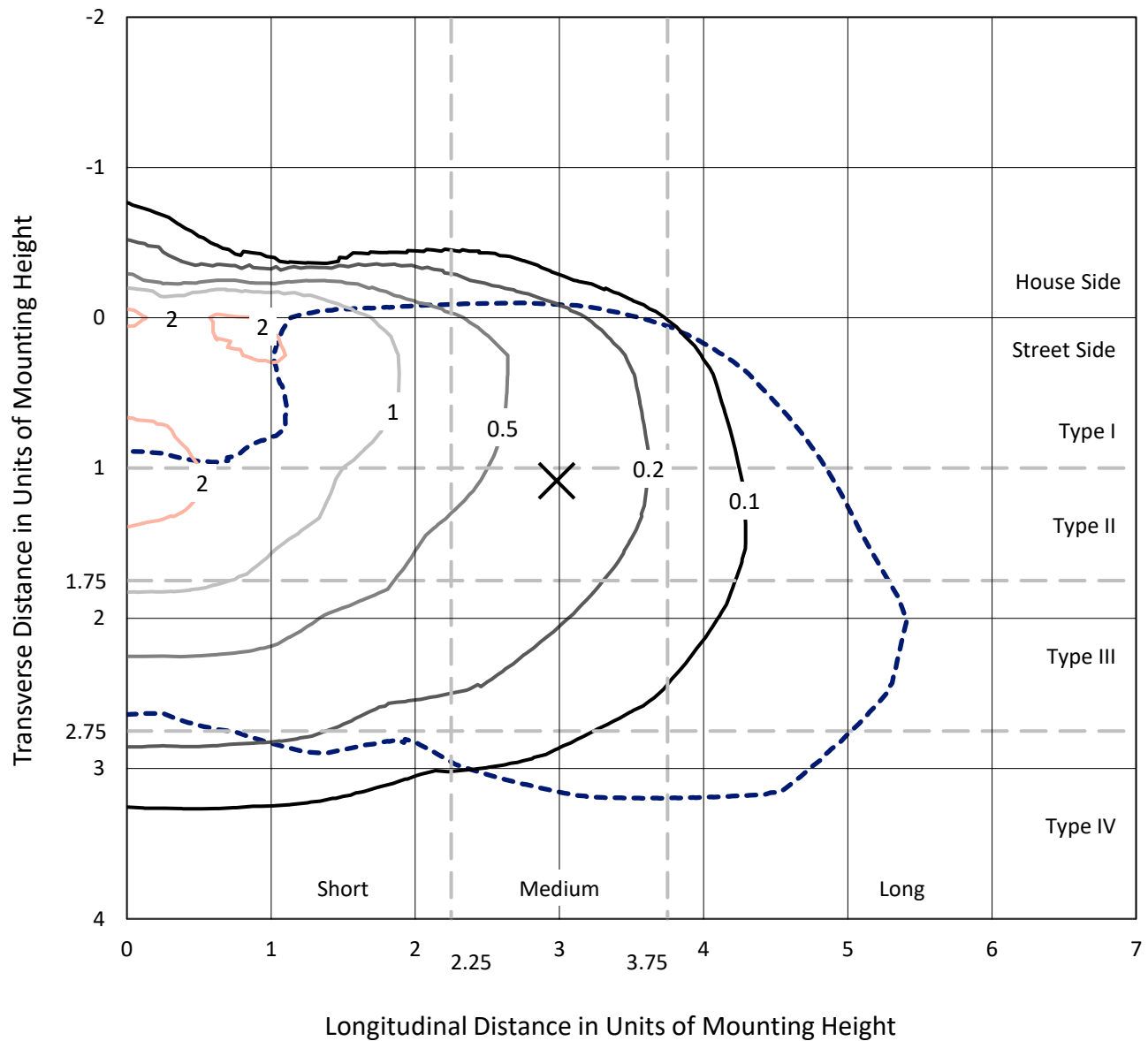


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Iso-Footcandle Lines of Horizontal Illumination

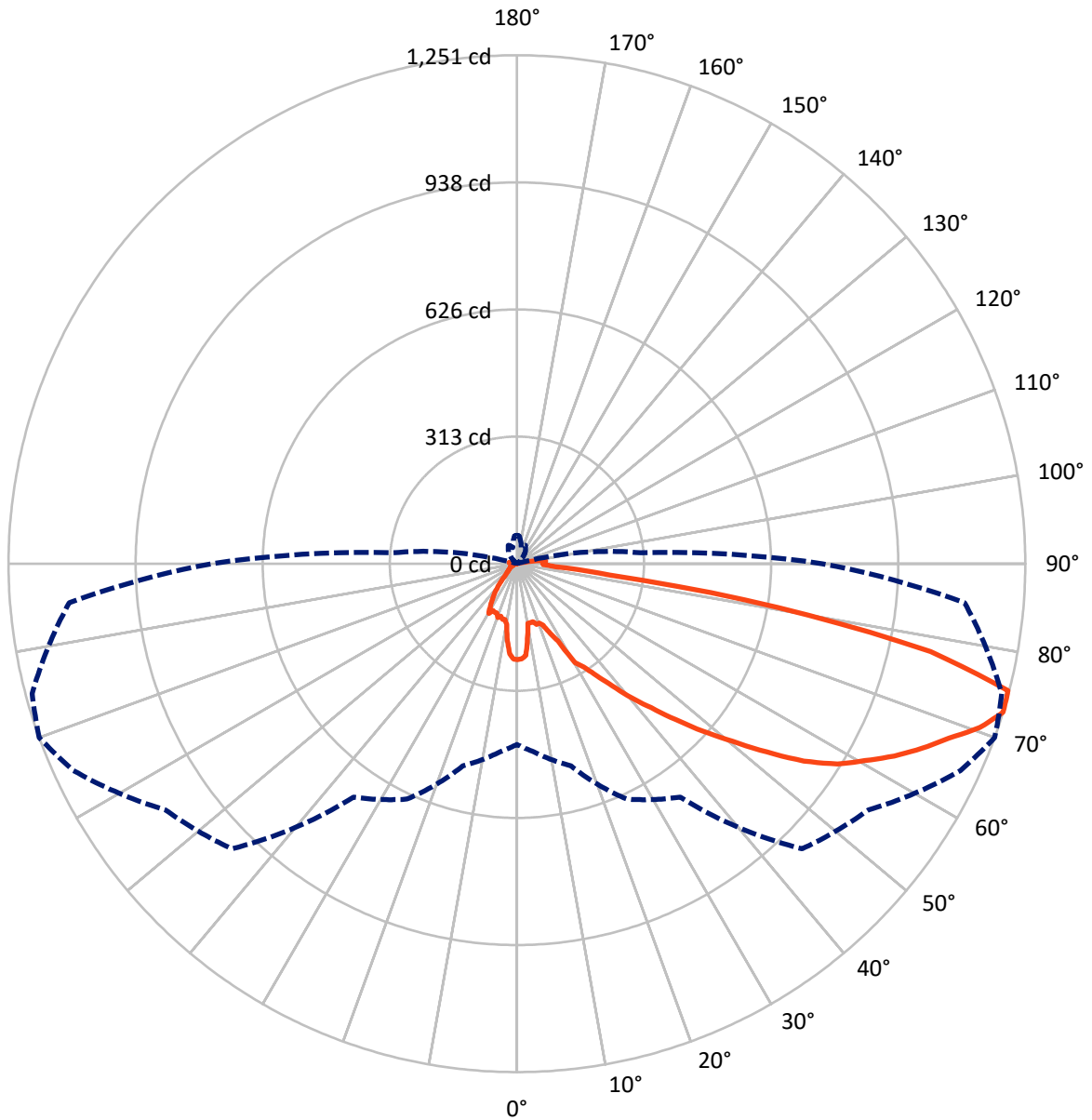
× Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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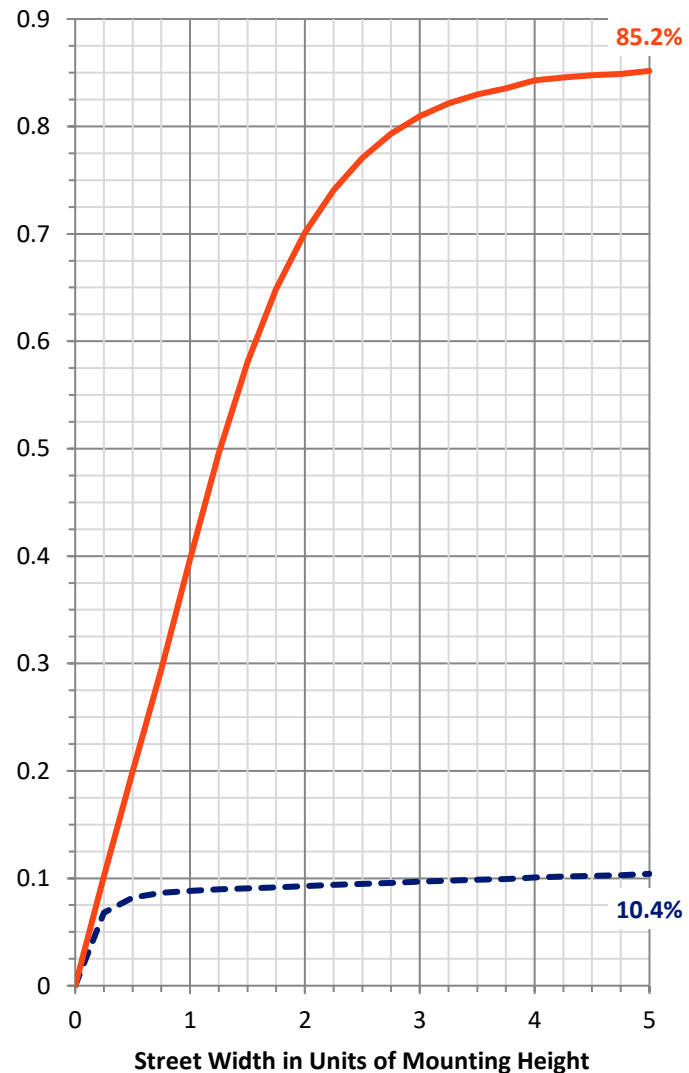
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	220.2	31.0	251.2
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1645.0	25.1	1670.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	1865.3	56.1	1921.3
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.9
10°-20°	36.0	1.9
20°-30°	58.3	3.0
30°-40°	124.5	6.5
40°-50°	244.8	12.7
50°-60°	408.8	21.3
60°-70°	507.4	26.4
70°-80°	390.8	20.3
80°-90°	76.4	4.0
90°-100°	41.5	2.2
100°-110°	8.6	0.4
110°-120°	2.4	0.1
120°-130°	1.9	0.1
130°-140°	0.9	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1865.3	97.1
0°-180°	1921.3	100.0



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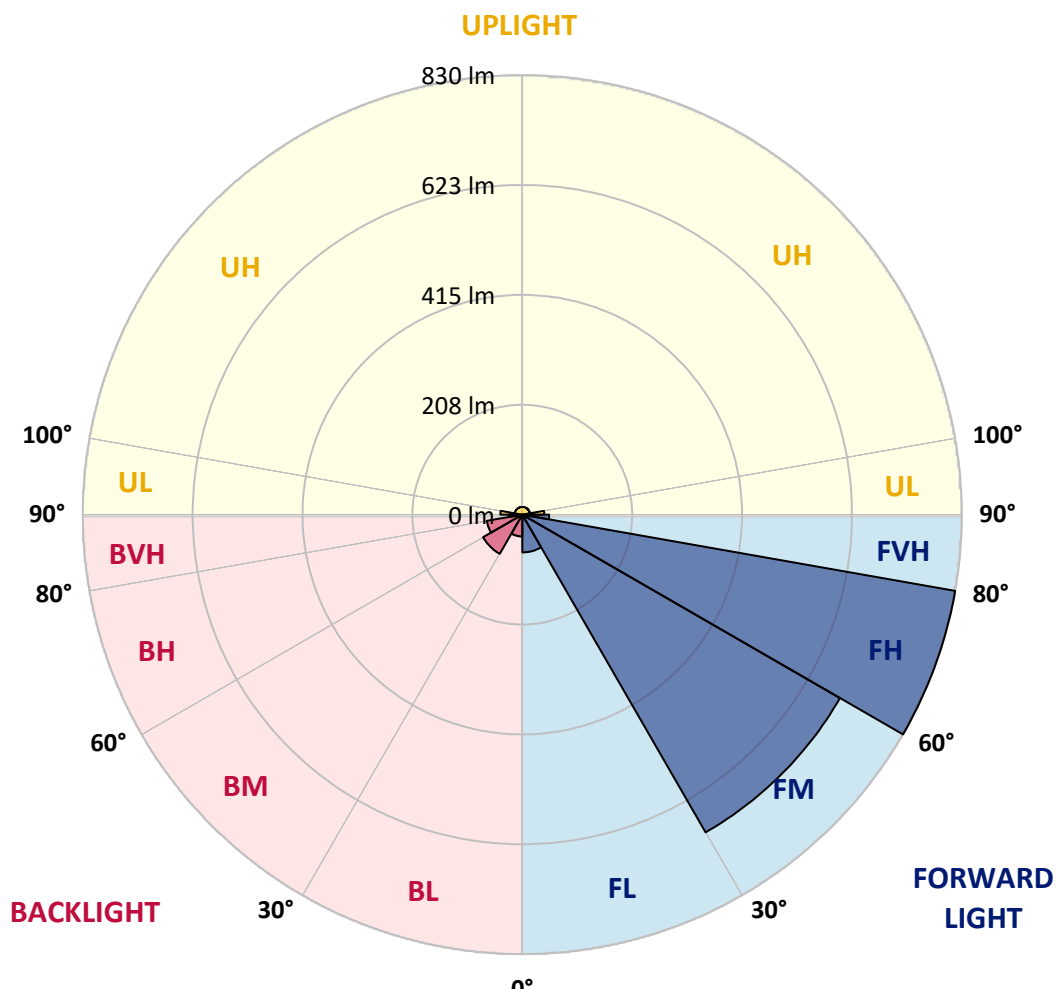
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.3	3.7			
FM	(30°-60°)	692.8	36.1			
FH	(60°-80°)	830.1	43.2			G1/1800
FVH	(80°-90°)	50.8	2.6			G1/100
BL	(0°-30°)	41.2	2.1	B0/110		
BM	(30°-60°)	85.4	4.4	B0/220		
BH	(60°-80°)	68.1	3.5	B0/110		G0/110
BVH	(80°-90°)	25.6	1.3			G1/100
UL	(90°-100°)	41.5	2.2		U2/50	
UH	(100°-180°)	14.6	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	236	236	236	236	236	236	236	236	236	236	236
2.5°	199	221	222	224	226	229	234	234	234	234	235
5°	189	189	189	191	191	193	194	224	227	230	230
7.5°	157	172	173	179	186	189	191	189	186	198	203
10°	172	172	172	174	164	159	147	148	149	158	180
12.5°	143	152	161	171	158	142	139	147	149	133	158
15°	167	166	166	157	131	142	124	131	148	162	188
17.5°	138	134	156	154	140	112	143	142	157	145	162
20°	164	163	163	126	139	151	149	139	156	174	205
22.5°	138	136	140	151	138	156	136	172	164	159	149
25°	174	173	173	138	156	143	172	157	190	207	226
27.5°	156	156	149	160	149	180	165	198	215	226	273
30°	216	217	205	159	166	169	195	245	282	309	338
32.5°	311	305	255	217	176	209	216	285	303	332	357
35°	423	420	376	281	212	224	241	310	338	367	382
37.5°	500	497	469	358	256	261	263	345	381	410	417
40°	563	558	541	418	315	305	295	393	434	458	461
42.5°	658	650	607	487	375	364	330	435	484	516	518
45°	772	765	705	583	439	436	392	489	547	585	574
47.5°	850	831	797	675	538	512	461	544	615	672	641
50°	921	907	878	777	645	610	533	607	687	739	697
52.5°	987	966	942	853	737	720	604	670	770	813	755
55°	1020	987	983	922	808	794	684	748	857	887	810
57.5°	966	965	996	964	866	859	765	832	930	944	864
60°	930	931	978	980	917	921	838	929	984	993	915
62.5°	867	874	945	991	930	980	900	996	1042	1045	978
65°	788	795	867	961	916	1019	952	1071	1095	1097	1047
67.5°	696	699	779	883	882	1033	984	1121	1146	1152	1106
70°	594	590	663	783	809	1026	1023	1170	1208	1207	1147
72.5°	445	464	515	639	701	992	1056	1204	1251	1235	1106
75°	152	162	300	407	540	901	1063	1206	1248	1177	905
77.5°	50	47	67	162	300	624	935	1052	1041	915	556
80°	24	25	30	57	110	283	587	666	651	480	241
82.5°	16	17	20	33	62	97	312	304	230	151	99
85°	7	7	10	17	38	64	119	104	94	87	81
87.5°	2	2	4	6	13	40	67	63	65	68	77
90°	2	2	2	2	10	42	68	64	64	68	81
92.5°	3	3	2	2	9	42	71	61	65	69	87
95°	3	4	2	1	7	43	73	65	71	70	93
97.5°	4	4	2	1	4	37	74	53	54	50	73
100°	5	5	2	2	3	19	55	34	21	16	24
102.5°	6	6	2	2	2	7	25	20	11	3	6
105°	6	7	2	2	1	3	11	8	4	3	6
107.5°	7	7	2	2	1	2	3	3	2	3	6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5	5	2	3	1	1	1	2	2	3	6
115°	3	2	1	2	1	1	1	2	2	2	5
117.5°	1	1	1	1	1	1	1	2	2	3	6
120°	1	1	1	1	1	1	1	2	2	4	7
122.5°	1	1	1	1	1	1	1	1	2	4	8
125°	1	1	1	1	1	1	1	1	2	3	7
127.5°	1	1	1	0	1	1	1	1	2	3	6
130°	1	1	1	0	1	1	1	1	1	2	4
132.5°	1	1	1	0	1	1	1	1	1	2	4
135°	1	1	1	0	1	1	1	1	1	1	2
137.5°	1	1	0	0	1	1	1	1	1	1	1
140°	0	0	0	0	1	1	1	1	1	1	1
142.5°	0	0	0	0	1	1	1	1	1	1	1
145°	0	0	0	0	1	1	1	1	1	1	1
147.5°	0	0	0	1	1	1	1	1	1	1	1
150°	2	2	2	1	1	1	1	1	1	1	1
152.5°	2	2	2	1	1	1	1	2	2	1	1
155°	1	1	1	0	0	1	1	1	1	2	2
157.5°	0	1	1	0	0	1	1	1	1	1	1
160°	0	0	0	0	0	1	1	1	1	1	1
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	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°	236	236	236	236	236	236	236	236	236	236	236
2.5°	235	235	234	236	235	235	222	209	206	207	209
5°	231	231	231	215	197	191	193	193	193	192	194
7.5°	204	203	200	182	190	189	188	186	162	156	156
10°	181	181	155	148	148	154	158	152	149	144	143
12.5°	159	159	133	148	125	124	121	111	94	82	83
15°	189	189	157	126	105	99	62	58	56	55	54
17.5°	161	162	145	125	98	52	44	44	44	42	38
20°	204	204	169	112	74	41	34	30	41	41	41
22.5°	148	146	149	114	46	33	28	35	37	31	31
25°	224	221	181	82	38	26	31	27	35	35	35
27.5°	276	256	184	75	28	30	25	30	27	26	26
30°	332	323	222	59	27	25	26	24	28	26	26
32.5°	350	341	201	46	26	24	22	23	22	23	23
35°	373	364	178	35	24	21	20	20	19	18	18
37.5°	406	391	152	30	22	19	16	15	16	20	21
40°	444	419	120	27	19	16	12	14	17	17	17
42.5°	499	453	89	25	17	13	9	11	13	18	18
45°	547	473	63	23	14	10	7	11	14	16	16
47.5°	603	492	47	22	13	7	8	11	11	17	17
50°	650	496	38	20	10	5	10	10	12	15	15
52.5°	694	500	34	18	8	4	10	10	14	18	18
55°	723	488	31	16	7	3	11	11	11	14	14
57.5°	746	473	29	14	6	6	12	14	12	14	14
60°	761	446	25	13	5	6	15	18	14	21	21
62.5°	788	425	22	12	4	6	15	23	18	28	29
65°	810	406	19	9	4	8	17	29	22	35	36
67.5°	819	383	16	8	4	9	22	36	28	41	41
70°	812	359	13	8	4	14	29	42	34	50	51
72.5°	751	306	10	8	3	15	36	50	41	68	70
75°	575	194	10	8	4	17	42	58	49	76	79
77.5°	351	90	10	9	5	21	46	67	54	82	84
80°	156	56	10	10	10	26	54	74	61	87	90
82.5°	78	42	9	10	15	31	64	79	63	90	91
85°	67	38	9	11	16	36	69	80	66	89	90
87.5°	64	36	11	11	18	38	71	84	68	86	85
90°	67	35	12	13	23	39	72	82	68	81	81
92.5°	69	34	13	15	28	44	71	80	68	75	75
95°	71	34	15	17	28	48	68	73	63	67	66
97.5°	54	25	18	19	26	37	55	57	41	40	39
100°	19	11	18	21	16	16	33	40	24	15	17
102.5°	6	5	16	21	13	6	17	25	18	2	2
105°	6	6	9	17	9	2	6	14	11	2	2
107.5°	6	5	4	10	3	2	3	3	3	1	2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7	5	2	3	2	2	2	1	2	5	6
115°	6	5	2	2	2	2	1	1	2	6	6
117.5°	7	6	2	2	1	2	1	1	2	6	7
120°	8	7	2	2	1	1	1	1	2	5	6
122.5°	8	8	2	1	1	1	1	1	3	5	5
125°	7	7	2	1	1	1	1	1	3	5	5
127.5°	6	6	2	1	1	1	1	1	2	4	5
130°	5	5	2	1	1	1	0	1	2	4	4
132.5°	4	3	2	1	1	1	0	1	2	3	4
135°	3	3	1	1	1	1	0	0	2	2	3
137.5°	2	1	1	1	1	0	0	0	1	2	2
140°	1	1	1	1	1	0	0	0	0	1	1
142.5°	1	1	1	1	1	0	0	0	0	1	1
145°	1	1	1	1	1	0	0	0	0	1	1
147.5°	1	1	1	1	1	0	0	0	0	1	1
150°	1	1	1	1	1	0	0	0	0	1	1
152.5°	1	1	1	1	1	0	0	0	1	1	1
155°	2	2	2	1	1	0	0	0	0	1	1
157.5°	1	1	1	1	1	0	0	0	0	0	0
160°	1	1	1	1	1	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



Report Generated By 670245982



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110° | 7 7 3 2 1 2 1 2 2 3 7



110°	7	5	2	3	2	2	2	2	2	4	4
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(END OF REPORT)