

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: P560036

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560036
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-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2579.5 lumens
Efficiency: N/A
Efficacy: 123.4 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: B1 - U3 - 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



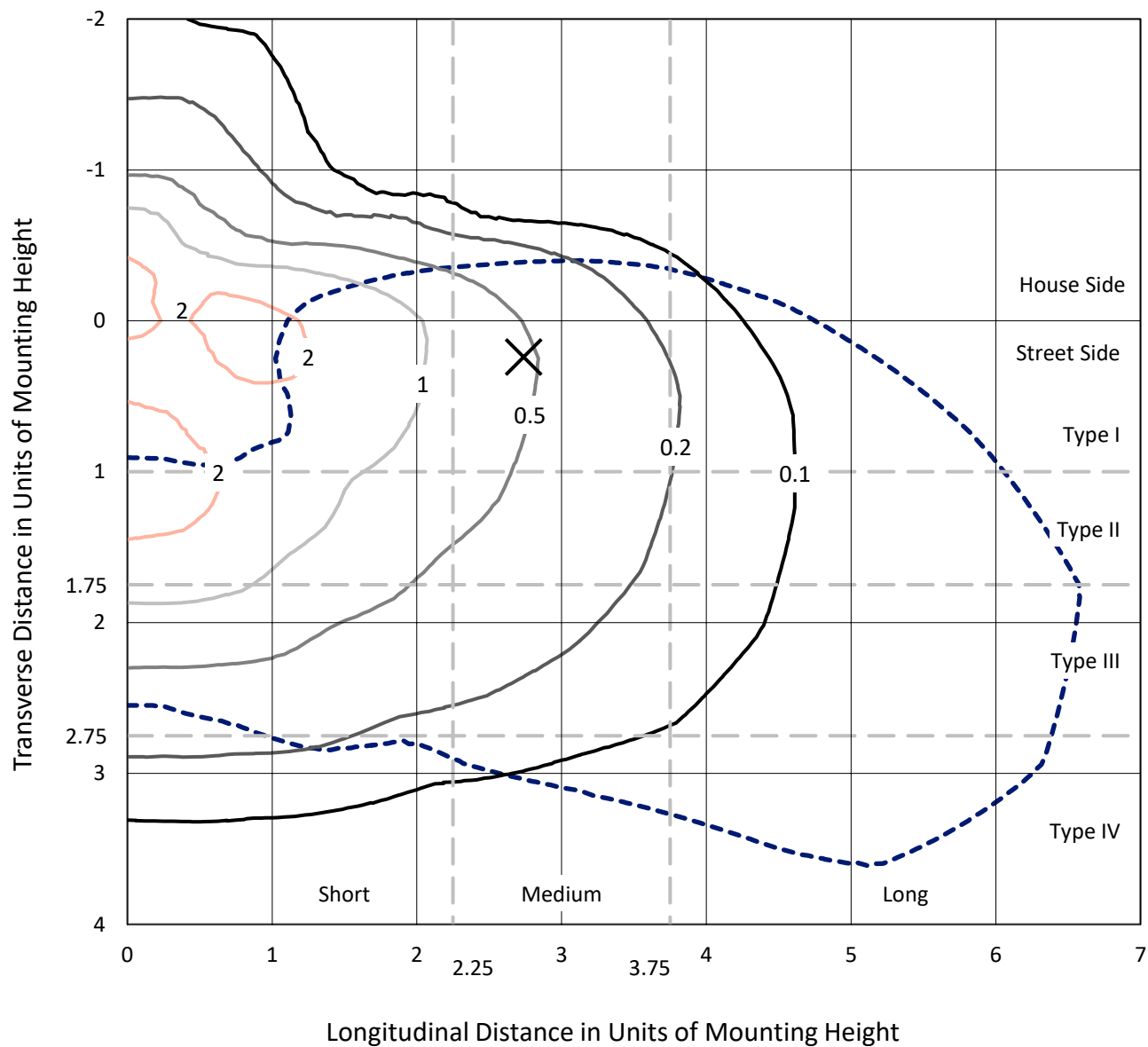
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



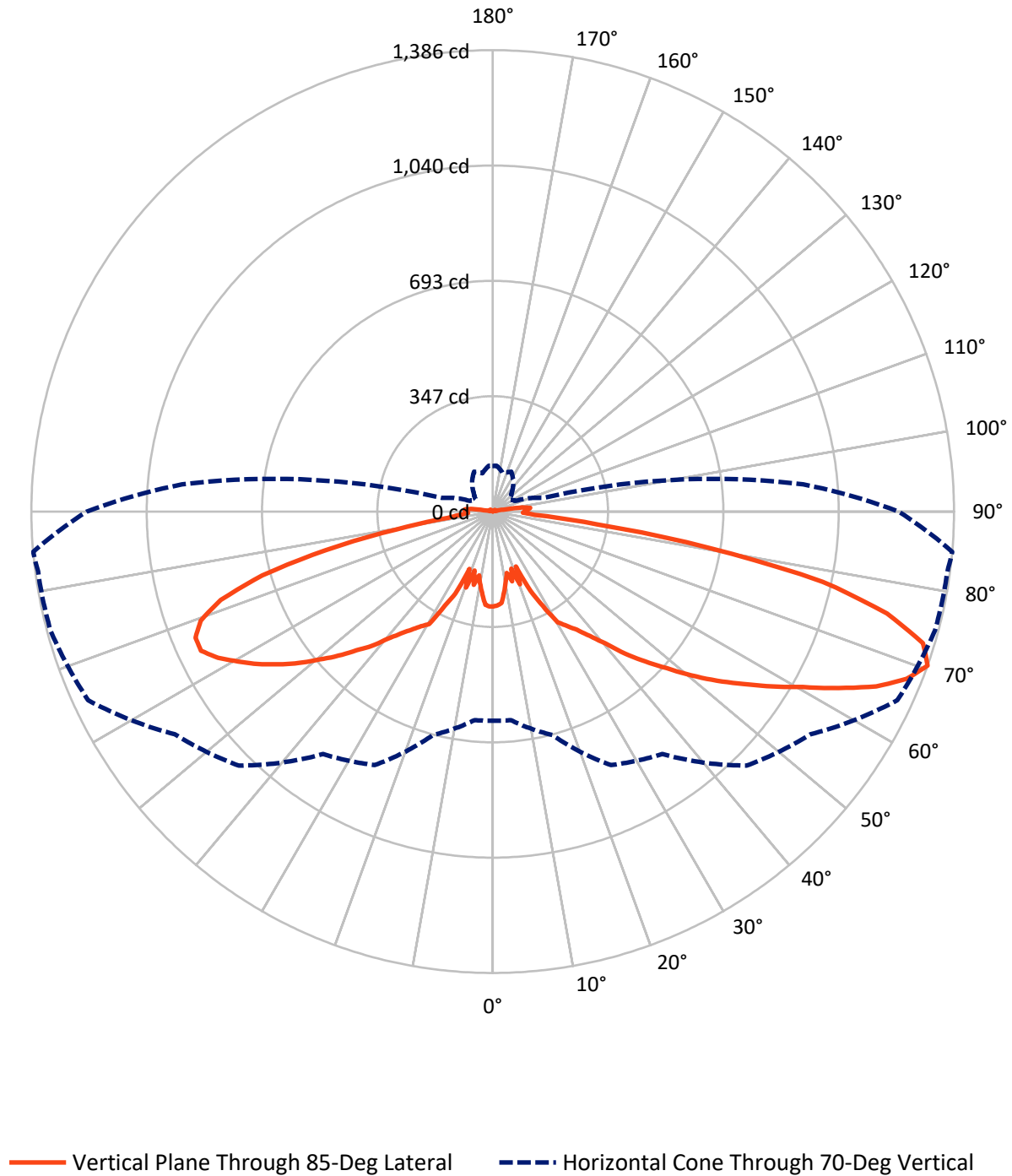
Based on 10 foot mounting height. Maximum calculated value = 2.9 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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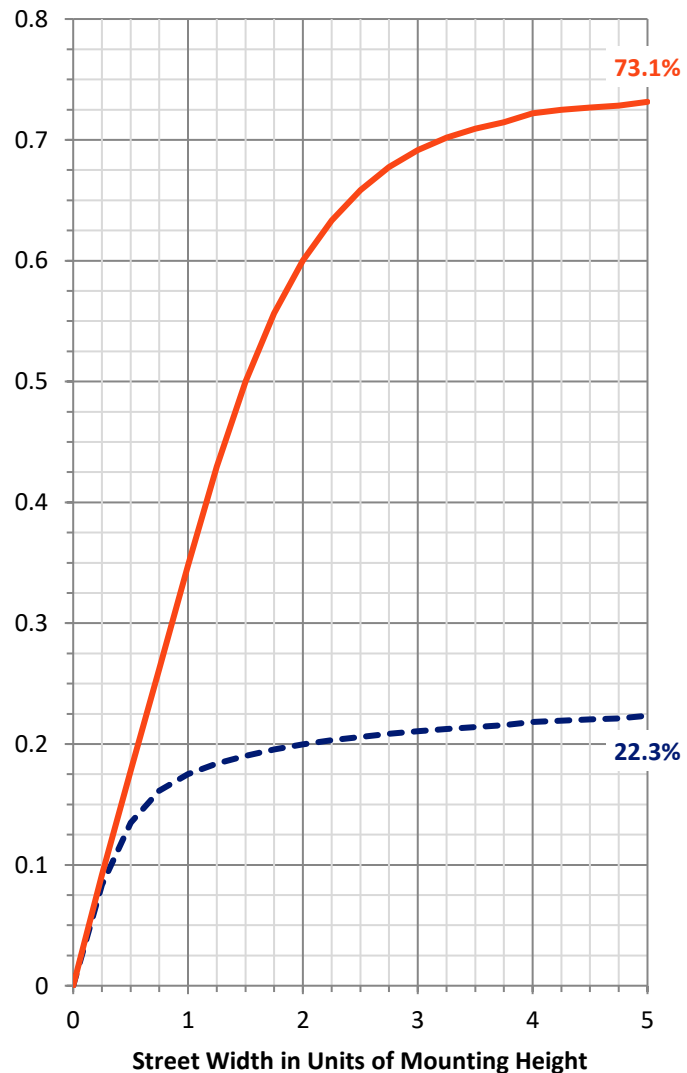
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.5	39.1	645.5
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1901.0	33.0	1934.0
	% Fixture	73.7	1.3	75.0
Total	Lumens	2507.5	72.1	2579.5
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.2	0.9
10°-20°	56.9	2.2
20°-30°	103.7	4.0
30°-40°	196.0	7.6
40°-50°	327.5	12.7
50°-60°	511.2	19.8
60°-70°	633.9	24.6
70°-80°	517.9	20.1
80°-90°	137.1	5.3
90°-100°	52.0	2.0
100°-110°	11.1	0.4
110°-120°	3.6	0.1
120°-130°	2.8	0.1
130°-140°	1.3	0.1
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2507.5	97.2
0°-180°	2579.5	100.0



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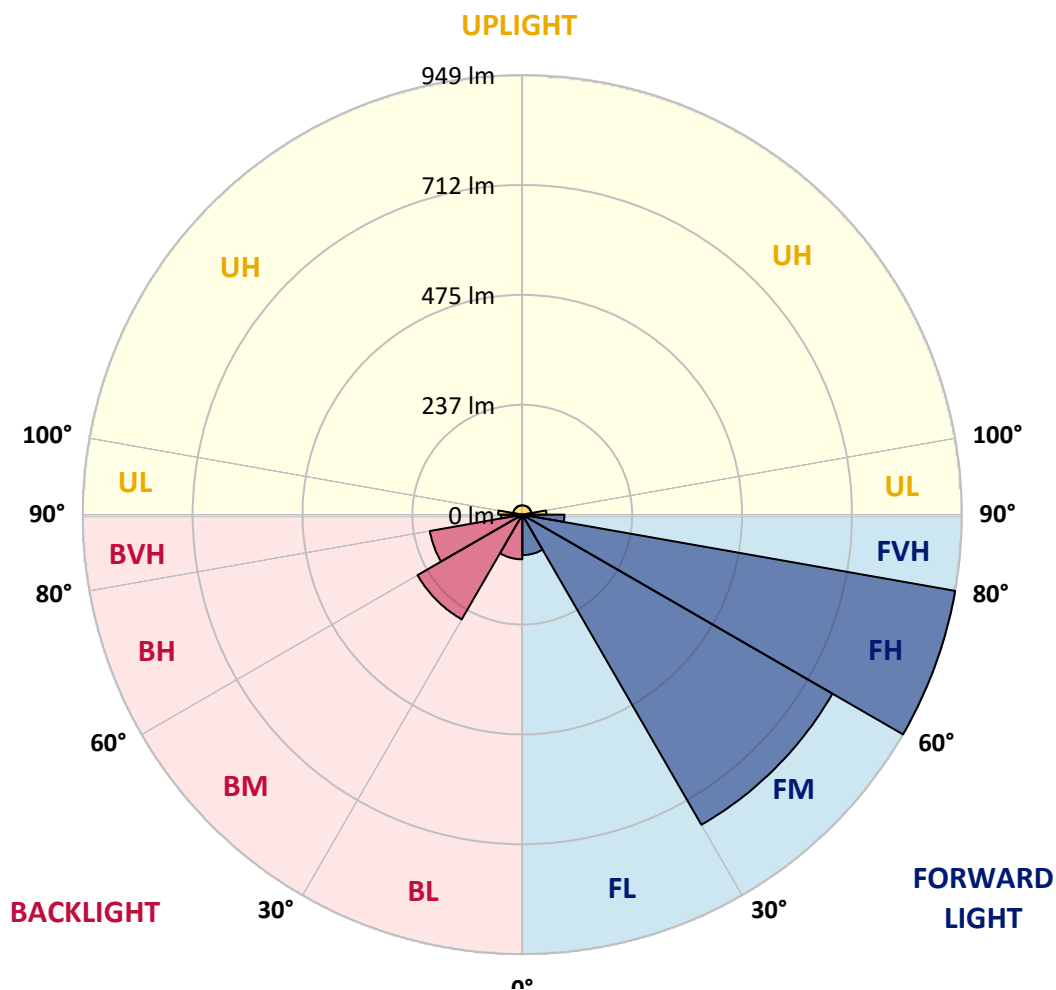
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	3.4			
FM	(30°-60°)	773.5	30.0			
FH	(60°-80°)	949.2	36.8			G1/1800
FVH	(80°-90°)	90.9	3.5			G1/100
BL	(0°-30°)	96.5	3.7	B0/110		
BM	(30°-60°)	261.2	10.1	B1/1000		
BH	(60°-80°)	202.6	7.9	B1/500		G1/500
BVH	(80°-90°)	46.1	1.8			G1/100
UL	(90°-100°)	52.0	2.0		U3/500	
UH	(100°-180°)	20.0	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	285	285	285	285	285	285	285	285	285	285	285
2.5°	236	259	255	262	266	272	276	278	280	282	282
5°	219	220	221	222	224	227	230	262	272	276	276
7.5°	200	199	203	208	215	219	222	223	234	243	245
10°	199	200	200	202	190	189	175	176	191	214	215
12.5°	173	178	189	197	185	166	163	171	160	188	189
15°	193	192	192	184	156	164	146	152	186	212	217
17.5°	168	166	186	180	162	137	164	162	168	183	180
20°	211	209	205	156	164	172	167	156	197	220	233
22.5°	197	199	209	198	169	177	158	192	186	177	179
25°	269	267	257	194	202	165	193	171	236	262	264
27.5°	248	245	238	244	205	216	188	224	261	307	321
30°	329	326	318	246	244	214	228	275	352	387	386
32.5°	424	402	353	315	261	278	261	324	375	409	409
35°	482	478	452	366	304	303	300	357	414	438	436
37.5°	531	538	519	424	343	351	336	402	462	476	474
40°	599	597	587	474	391	390	379	456	515	525	520
42.5°	700	689	659	541	442	442	422	507	580	581	584
45°	824	819	766	645	508	507	474	561	646	651	642
47.5°	910	895	869	740	610	587	537	614	725	721	703
50°	995	983	959	844	716	670	596	669	801	790	773
52.5°	1068	1052	1026	929	809	773	664	719	878	860	844
55°	1110	1077	1079	1005	879	850	740	800	953	927	914
57.5°	1058	1056	1089	1052	943	914	821	881	1031	997	991
60°	1006	1012	1059	1066	993	972	891	996	1107	1070	1070
62.5°	934	951	1017	1071	998	1029	964	1094	1190	1156	1167
65°	852	852	928	1030	982	1067	1045	1201	1263	1243	1266
67.5°	740	742	821	950	953	1086	1110	1285	1339	1324	1341
70°	628	629	695	840	889	1079	1166	1341	1376	1378	1386
72.5°	470	487	549	682	778	1050	1195	1357	1375	1378	1352
75°	253	261	330	444	578	931	1186	1340	1327	1292	1224
77.5°	88	92	116	194	328	659	1100	1266	1224	1114	1014
80°	57	57	63	93	149	312	854	1085	986	751	658
82.5°	40	41	46	62	96	134	444	551	543	374	315
85°	29	30	32	36	66	83	173	265	245	134	126
87.5°	13	15	13	16	26	51	83	82	78	89	91
90°	10	10	8	9	18	46	77	74	79	97	96
92.5°	10	10	8	9	17	46	81	72	82	104	105
95°	10	11	8	8	14	47	86	77	87	113	113
97.5°	9	9	6	7	11	43	86	66	64	91	90
100°	7	8	4	6	8	26	64	41	18	21	32
102.5°	7	7	4	5	6	11	34	24	5	7	7
105°	7	8	4	4	4	5	16	12	4	6	7
107.5°	8	8	3	3	3	3	6	5	4	7	8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	7	7	3	3	2	2	2	3	4	6	7
115°	5	5	2	3	2	2	2	3	3	5	6
117.5°	5	4	2	2	1	2	2	3	4	7	7
120°	5	5	2	1	1	1	1	2	5	8	9
122.5°	5	5	2	1	1	1	1	2	5	8	9
125°	6	5	3	1	1	1	1	1	4	7	8
127.5°	5	5	3	1	1	1	1	1	3	6	7
130°	5	5	3	1	1	1	1	1	3	5	5
132.5°	4	4	3	1	1	1	1	1	2	4	4
135°	4	4	2	1	1	1	1	1	1	3	3
137.5°	2	2	1	1	1	1	1	1	1	1	1
140°	0	1	0	1	1	1	1	1	1	1	1
142.5°	0	0	0	1	1	1	1	1	1	1	1
145°	0	0	0	1	1	1	1	1	1	1	1
147.5°	1	1	1	2	2	1	1	1	1	1	1
150°	3	3	3	2	2	1	2	1	1	1	1
152.5°	3	3	4	2	1	1	1	2	1	1	1
155°	2	2	2	1	1	1	1	1	2	2	3
157.5°	1	1	1	0	1	1	1	1	1	1	1
160°	0	0	0	0	1	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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CATALOG NUMBER: SDL-PA1-20-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	285	285	285	285	285	285	285	285	285	285	285
2.5°	283	285	286	289	289	289	282	265	265	266	267
5°	279	281	285	271	257	256	261	264	265	266	264
7.5°	247	251	249	250	257	264	270	266	256	249	251
10°	220	224	202	204	212	232	265	276	283	286	286
12.5°	193	196	177	205	191	222	258	285	258	247	247
15°	221	227	204	182	186	225	198	272	280	282	284
17.5°	189	185	189	192	209	175	227	256	240	234	237
20°	238	242	221	189	191	223	202	229	273	274	276
22.5°	181	186	198	225	197	216	213	238	223	224	232
25°	266	270	249	201	215	195	215	212	250	252	252
27.5°	326	317	272	227	189	206	194	202	193	220	224
30°	388	388	353	253	200	175	177	192	214	218	218
32.5°	407	406	361	274	197	181	163	181	219	238	240
35°	434	430	375	267	190	165	154	182	210	213	211
37.5°	468	458	392	254	174	155	148	164	188	188	188
40°	510	494	398	236	157	142	135	152	168	159	156
42.5°	567	543	403	223	142	131	122	138	146	141	139
45°	620	584	411	209	130	121	113	127	133	128	127
47.5°	683	635	412	196	121	113	107	119	123	123	122
50°	748	684	420	185	112	105	104	113	116	114	113
52.5°	822	739	423	171	101	96	101	107	116	117	117
55°	901	790	421	152	93	91	98	111	119	113	112
57.5°	978	841	422	131	85	89	99	116	122	115	112
60°	1047	887	408	112	79	84	103	121	119	121	118
62.5°	1132	935	368	100	74	82	103	124	116	124	124
65°	1202	971	311	90	70	82	104	125	113	126	126
67.5°	1232	970	225	82	65	80	104	129	116	130	129
70°	1220	937	159	76	62	81	108	132	119	138	137
72.5°	1139	859	115	71	58	77	111	136	122	150	150
75°	1003	718	93	66	54	76	112	138	124	152	152
77.5°	767	516	78	61	50	74	111	141	123	152	152
80°	460	294	65	55	51	73	113	141	123	150	150
82.5°	212	135	58	46	48	72	115	139	118	150	144
85°	118	95	50	39	43	68	109	125	106	124	122
87.5°	88	74	32	20	28	48	84	99	80	96	95
90°	94	78	29	20	30	44	79	88	74	89	88
92.5°	101	82	29	21	34	48	79	86	73	81	82
95°	106	85	28	23	36	52	77	79	67	70	73
97.5°	83	64	25	24	35	42	63	62	46	43	43
100°	26	18	22	25	21	20	37	44	27	18	17
102.5°	8	7	20	24	16	9	20	28	20	3	4
105°	8	8	13	20	11	4	8	15	12	3	3
107.5°	8	7	5	11	4	3	4	4	4	3	3



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CATALOG NUMBER: SDL-PA1-20-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8	8	4	4	3	3	2	2	3	7	7
115°	7	7	4	3	2	3	2	2	3	8	8
117.5°	8	8	4	3	2	2	2	1	3	9	10
120°	10	9	5	2	2	2	2	2	4	8	9
122.5°	10	10	5	2	1	1	1	2	4	8	9
125°	9	9	5	2	1	1	1	1	4	7	7
127.5°	8	8	4	2	1	1	1	1	3	6	7
130°	6	6	3	2	1	1	1	1	3	5	6
132.5°	5	5	3	2	1	1	1	1	3	4	5
135°	3	3	2	1	1	1	1	1	2	3	4
137.5°	2	2	1	1	1	1	1	1	1	2	2
140°	1	1	1	1	1	1	0	1	1	1	1
142.5°	1	1	1	1	1	1	0	1	1	1	1
145°	1	1	1	1	1	1	1	1	1	1	1
147.5°	1	1	1	1	1	1	1	1	1	1	1
150°	1	1	1	1	1	1	1	2	2	3	2
152.5°	1	1	1	2	1	0	0	2	2	3	3
155°	3	3	2	1	1	0	0	0	2	2	2
157.5°	1	1	1	1	1	0	0	0	1	1	1
160°	1	1	1	1	1	0	0	0	0	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



Report Generated By 670245982



--- HS --- SS



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110° | 8 8 3 3 2 2 3 3 4 7 8



110°	8	8	4	4	3	3	3	2	2	5	5
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(END OF REPORT)