

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: P560033

Luminaire Tested: **SDL-PA1-20-740-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560033
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-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1873.5 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

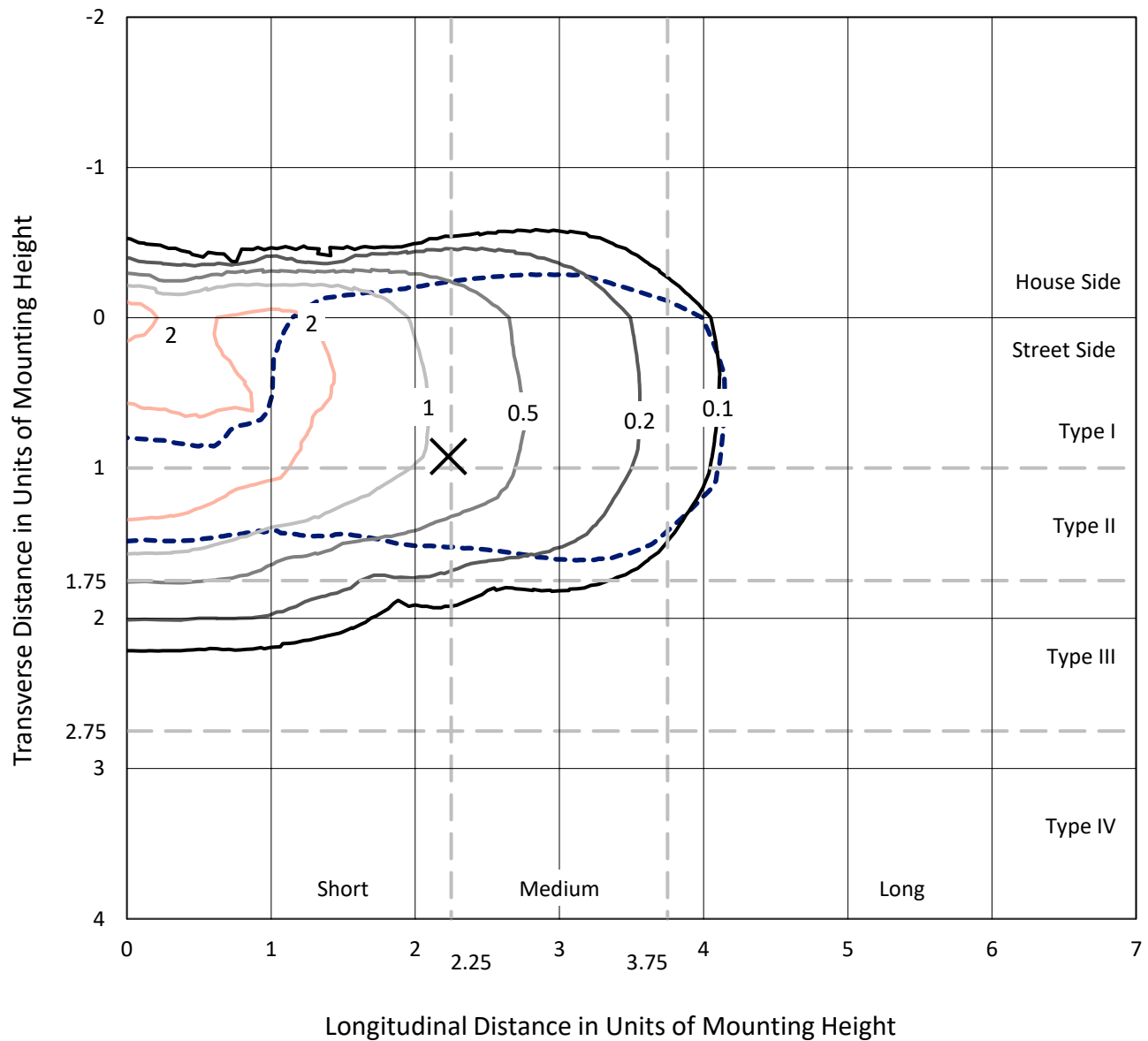


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

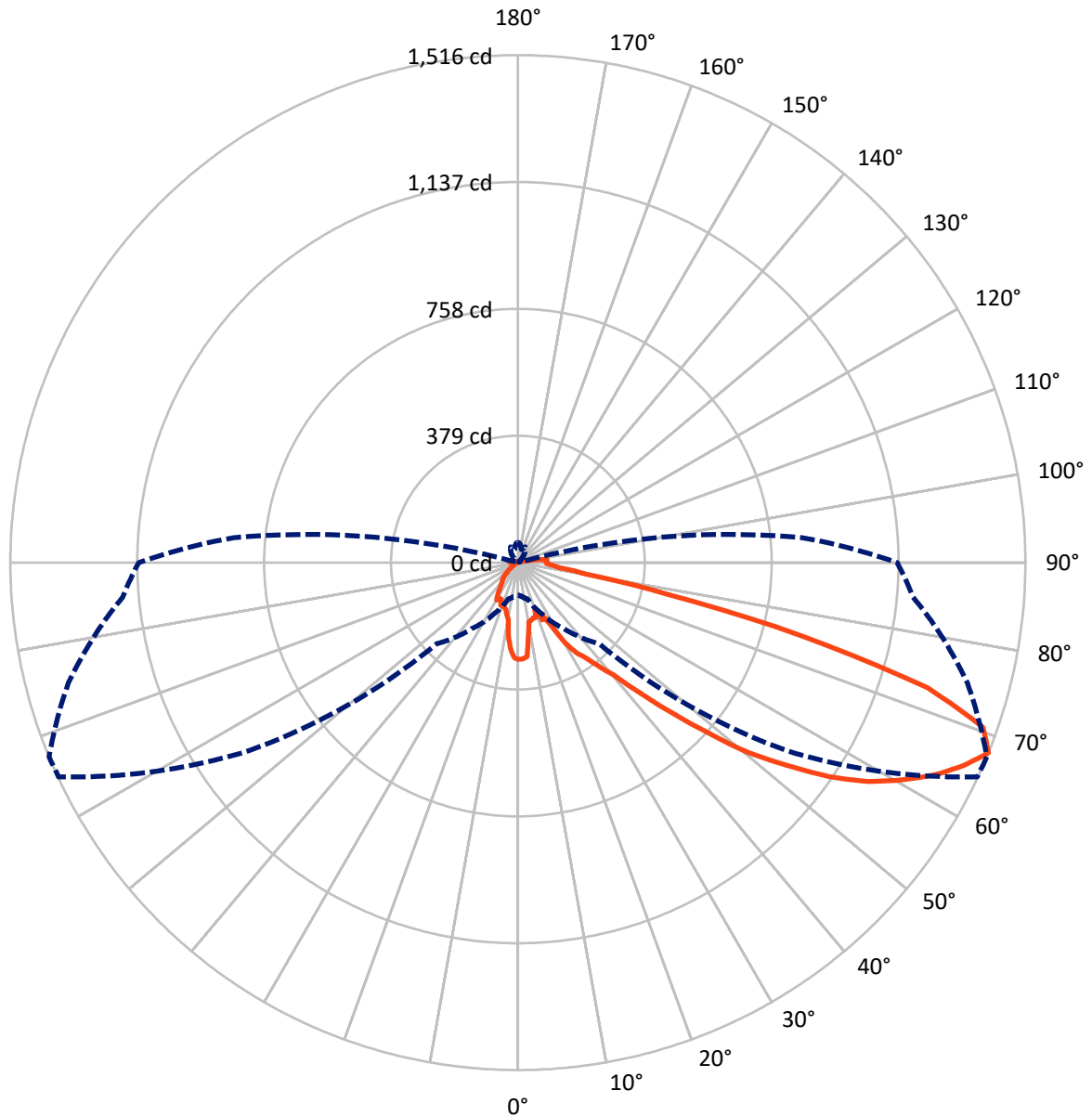


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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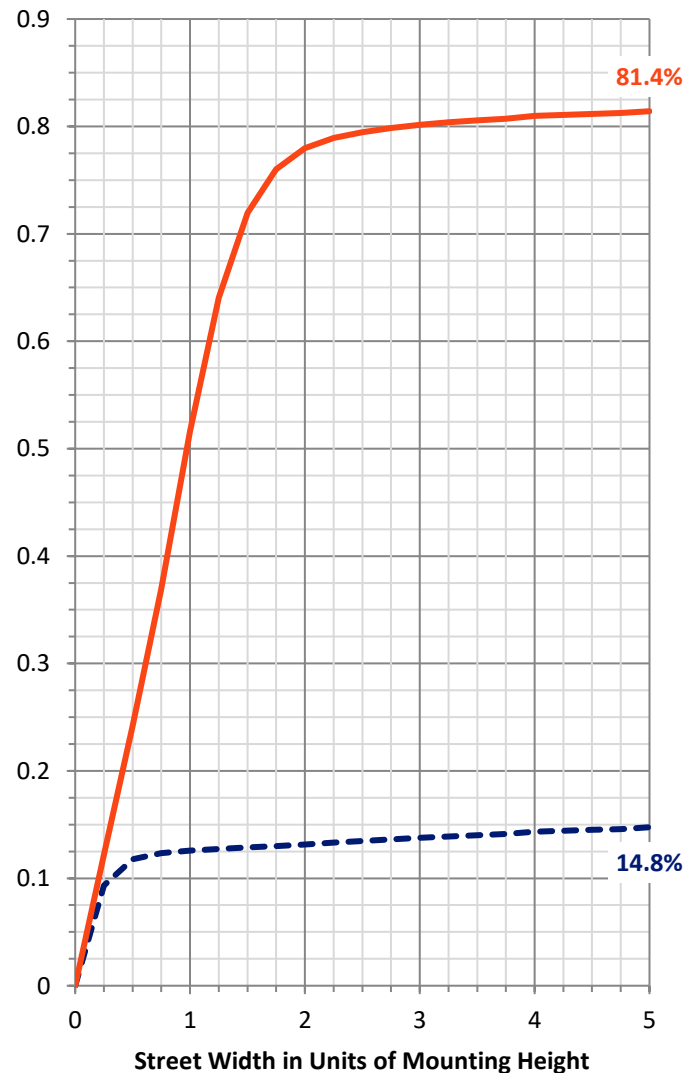
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	293.2	21.8	315.0
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1535.2	23.2	1558.5
	% Fixture	81.9	1.2	83.2
Total	Lumens	1828.4	45.1	1873.5
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	1.2
10°-20°	42.3	2.3
20°-30°	63.9	3.4
30°-40°	147.1	7.9
40°-50°	328.0	17.5
50°-60°	488.1	26.1
60°-70°	435.3	23.2
70°-80°	244.3	13.0
80°-90°	57.0	3.0
90°-100°	31.3	1.7
100°-110°	7.2	0.4
110°-120°	2.8	0.2
120°-130°	1.9	0.1
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1828.4	97.6
0°-180°	1873.5	100.0

Coefficient of Utilization



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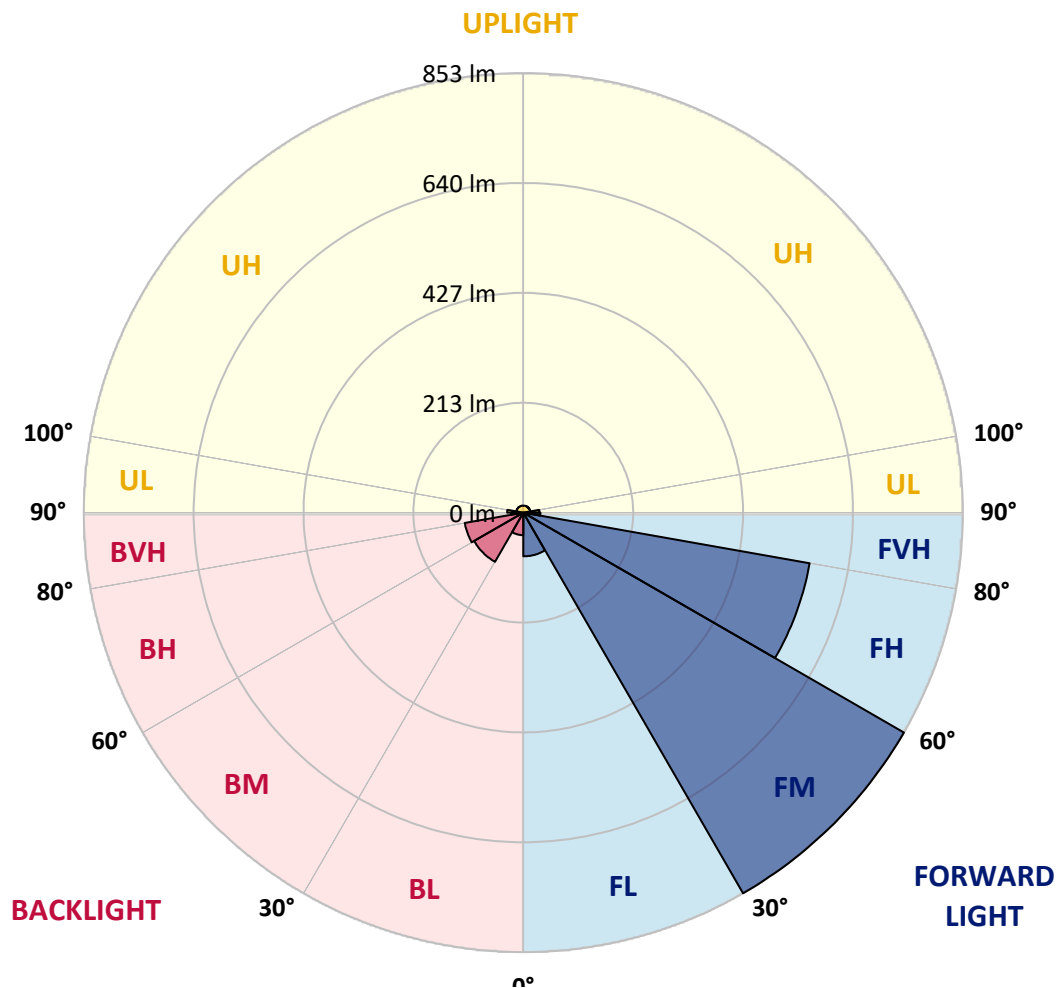
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.8	4.5			
FM	(30°-60°)	853.1	45.5			
FH	(60°-80°)	564.3	30.1			G0/660
FVH	(80°-90°)	33.1	1.8			G1/100
BL	(0°-30°)	43.7	2.3	B0/110		
BM	(30°-60°)	110.2	5.9	B0/220		
BH	(60°-80°)	115.3	6.2	B1/500		G1/500
BVH	(80°-90°)	23.9	1.3			G1/100
UL	(90°-100°)	31.3	1.7		U2/50	
UH	(100°-180°)	13.8	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	289	289	289	289	289	289	289	289	289	289	289
2.5°	245	259	274	284	286	289	289	288	288	287	287
5°	238	237	238	240	239	239	239	279	282	284	284
7.5°	205	210	226	232	234	236	236	233	222	246	249
10°	223	222	222	224	209	203	183	180	180	188	214
12.5°	187	198	213	219	202	179	174	178	177	155	181
15°	212	212	210	206	159	178	150	150	171	184	207
17.5°	172	177	202	199	175	134	175	161	173	162	174
20°	211	210	211	161	178	184	175	157	143	188	208
22.5°	174	172	182	199	168	191	160	191	186	167	150
25°	225	224	226	176	197	171	197	171	179	214	219
27.5°	203	202	199	215	187	216	186	209	215	232	269
30°	286	282	272	216	220	208	220	257	277	311	322
32.5°	417	396	330	286	233	266	249	302	321	338	347
35°	539	530	482	378	284	294	281	338	349	385	383
37.5°	706	691	617	488	357	353	320	385	393	445	435
40°	831	819	761	606	454	419	374	450	441	511	497
42.5°	951	944	899	741	561	521	430	530	528	589	577
45°	1048	1040	1011	862	684	685	518	618	632	690	659
47.5°	1105	1088	1067	958	808	842	648	718	752	802	755
50°	1092	1075	1077	1019	922	977	787	824	892	931	838
52.5°	988	978	1011	1008	980	1101	949	939	1006	1032	923
55°	840	826	888	932	980	1178	1099	1067	1128	1124	981
57.5°	638	643	713	782	900	1193	1210	1206	1234	1200	1027
60°	436	439	538	616	738	1114	1246	1321	1318	1264	1079
62.5°	274	273	348	471	531	907	1232	1408	1397	1312	1119
65°	158	162	189	312	369	619	1151	1493	1462	1355	1162
67.5°	97	100	113	169	241	342	979	1514	1516	1390	1185
70°	82	83	89	104	168	192	659	1416	1474	1398	1178
72.5°	69	70	79	91	125	136	296	1170	1280	1337	1127
75°	51	52	65	83	91	109	162	775	879	1057	961
77.5°	33	34	46	67	77	86	131	362	458	611	607
80°	22	22	27	47	61	70	114	179	204	252	236
82.5°	14	14	17	29	39	70	107	128	124	126	112
85°	6	6	9	16	21	46	96	110	105	105	100
87.5°	2	2	3	5	7	14	74	88	85	88	95
90°	2	2	1	2	2	10	60	87	85	89	98
92.5°	3	3	1	1	2	8	47	90	87	93	102
95°	5	5	2	1	3	7	29	80	87	92	104
97.5°	6	6	2	2	3	6	15	65	67	70	82
100°	8	8	2	2	2	5	8	34	35	25	40
102.5°	8	8	2	2	2	3	4	15	14	5	5
105°	9	9	3	2	2	2	2	5	5	3	6
107.5°	9	9	3	3	2	2	1	2	3	3	6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	5	5	2	3	2	1	1	1	2	4	10
115°	2	2	1	2	1	1	1	2	2	3	8
117.5°	1	1	1	1	1	1	1	2	1	3	7
120°	1	1	0	1	1	1	1	1	1	4	7
122.5°	1	1	1	1	1	0	1	1	1	4	7
125°	1	1	1	1	1	0	1	1	1	3	6
127.5°	1	1	1	1	1	0	1	1	1	2	6
130°	1	1	1	1	1	0	1	1	1	2	4
132.5°	1	1	1	1	1	0	1	1	1	2	3
135°	1	1	1	1	1	0	1	1	1	1	2
137.5°	1	1	1	1	1	0	1	1	1	1	1
140°	0	0	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°	0	0	0	1	1	1	1	1	1	1	1
150°	1	1	2	2	1	0	2	1	1	1	1
152.5°	2	2	2	2	1	0	1	2	1	1	1
155°	2	2	1	1	1	0	1	1	1	2	3
157.5°	0	0	0	0	1	0	1	1	0	0	1
160°	0	0	0	0	1	0	1	1	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



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CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	289	289	289	289	289	289	289	289	289	289	289
2.5°	286	286	285	285	282	281	268	254	243	244	244
5°	283	281	278	258	233	229	229	227	226	227	227
7.5°	247	245	233	223	224	222	218	217	200	183	182
10°	213	210	178	171	170	177	194	188	182	175	178
12.5°	178	177	148	164	143	147	151	145	124	100	103
15°	206	203	168	136	122	123	81	78	63	57	54
17.5°	153	168	147	136	123	64	52	40	36	29	30
20°	205	201	168	127	95	54	29	23	28	29	29
22.5°	145	141	142	135	67	31	22	23	21	20	20
25°	213	206	172	103	50	20	21	16	19	19	19
27.5°	259	235	181	100	28	20	15	16	13	13	13
30°	310	296	237	93	22	16	14	11	12	12	12
32.5°	333	314	237	74	19	15	11	10	10	11	11
35°	366	346	236	49	16	12	9	9	9	9	9
37.5°	416	387	240	31	13	10	7	8	8	17	17
40°	472	439	229	22	11	8	6	10	14	15	15
42.5°	543	507	213	19	10	6	5	8	12	19	19
45°	628	574	191	17	8	5	5	10	15	18	18
47.5°	704	639	153	16	7	4	7	11	13	21	21
50°	793	707	117	14	6	4	11	12	15	19	19
52.5°	859	764	89	13	6	3	11	11	17	22	22
55°	912	795	64	11	5	3	13	14	15	17	17
57.5°	953	817	50	10	5	7	16	18	16	17	17
60°	1000	828	37	9	4	7	19	24	18	26	25
62.5°	1043	836	30	9	4	8	21	30	24	35	36
65°	1097	846	25	7	4	11	25	40	32	46	48
67.5°	1133	852	21	7	4	13	35	52	40	58	60
70°	1137	830	17	7	4	20	48	63	50	74	75
72.5°	1085	767	14	8	4	22	56	73	59	98	99
75°	877	538	13	8	4	28	61	80	66	102	104
77.5°	539	249	12	9	6	31	62	85	69	102	105
80°	209	123	11	10	14	35	67	86	69	95	99
82.5°	97	72	11	11	18	36	66	80	64	85	84
85°	87	71	12	12	19	31	52	68	55	67	67
87.5°	85	70	13	15	19	18	40	58	47	50	50
90°	87	73	14	17	16	10	32	48	36	32	31
92.5°	93	74	17	20	15	8	27	39	26	21	20
95°	98	76	21	24	16	7	24	31	19	13	12
97.5°	82	59	24	26	16	7	21	25	15	7	7
100°	35	26	25	28	15	6	18	20	10	3	4
102.5°	7	8	22	26	12	4	12	12	7	1	2
105°	7	6	14	22	7	2	5	7	3	1	1
107.5°	7	7	5	11	3	2	2	3	2	1	1



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CATALOG NUMBER: SDL-PA1-20-740-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

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



--- HS --- SS



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110° | 7 7 3 3 2 1 1 1 2 3 7



110° | 8 7 2 3 2 2 2 2 1 5 6



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