

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: P560031

Luminaire Tested: **SDL-PA1-20-740-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560031
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-T2R
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.4 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - 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



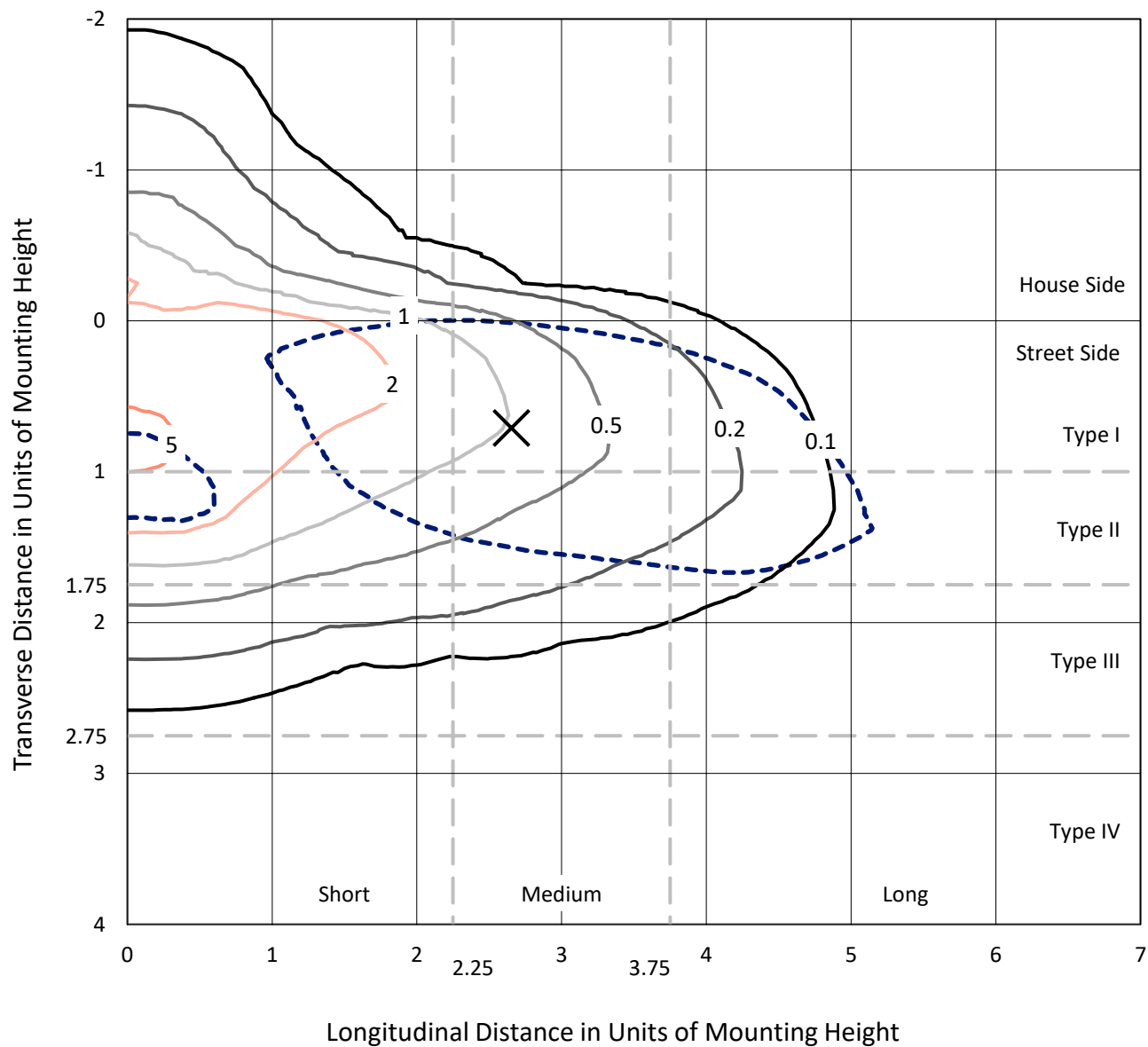
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



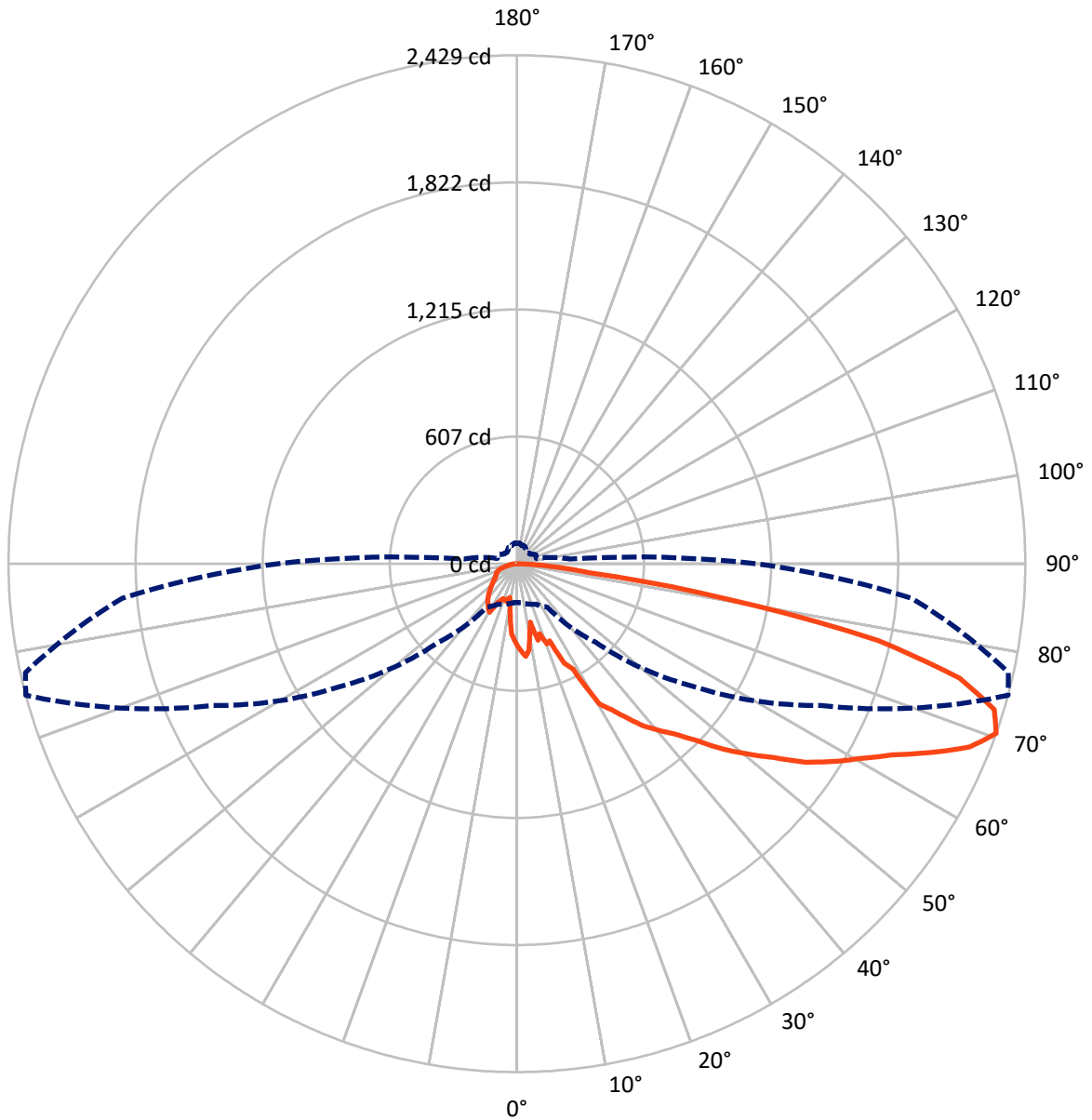
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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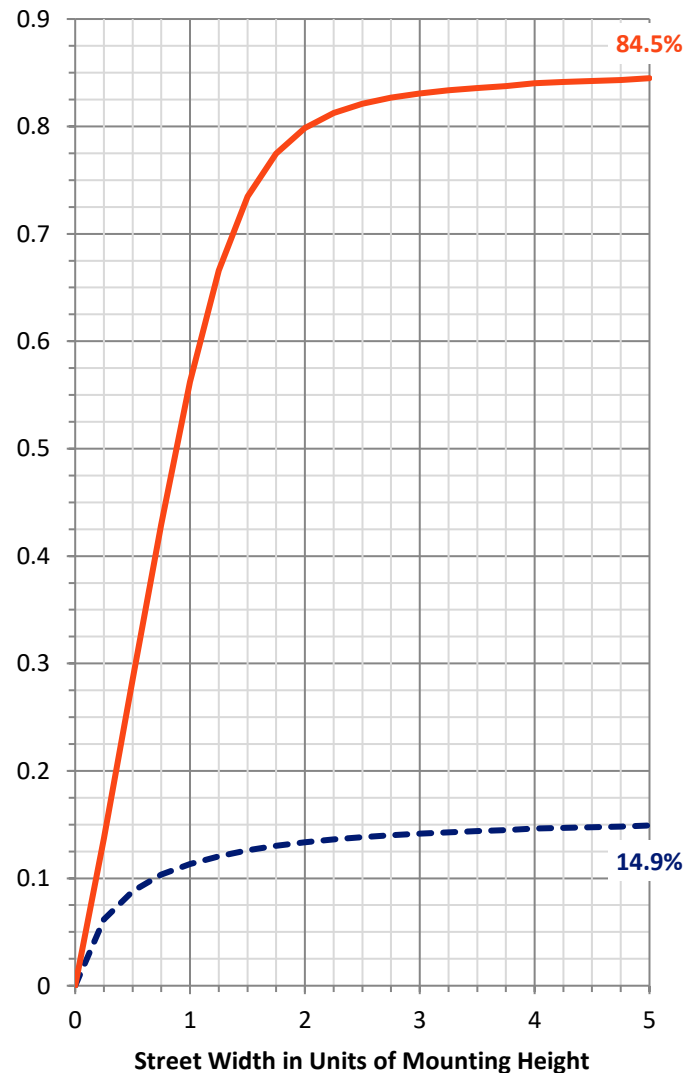
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	413.7	0.0	413.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2305.7	0.0	2305.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	2719.4	0.0	2719.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	1.2
10°-20°	86.4	3.2
20°-30°	157.9	5.8
30°-40°	320.6	11.8
40°-50°	492.1	18.1
50°-60°	593.2	21.8
60°-70°	573.7	21.1
70°-80°	398.0	14.6
80°-90°	65.0	2.4
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°	2719.4	100.0
0°-180°	2719.4	100.0



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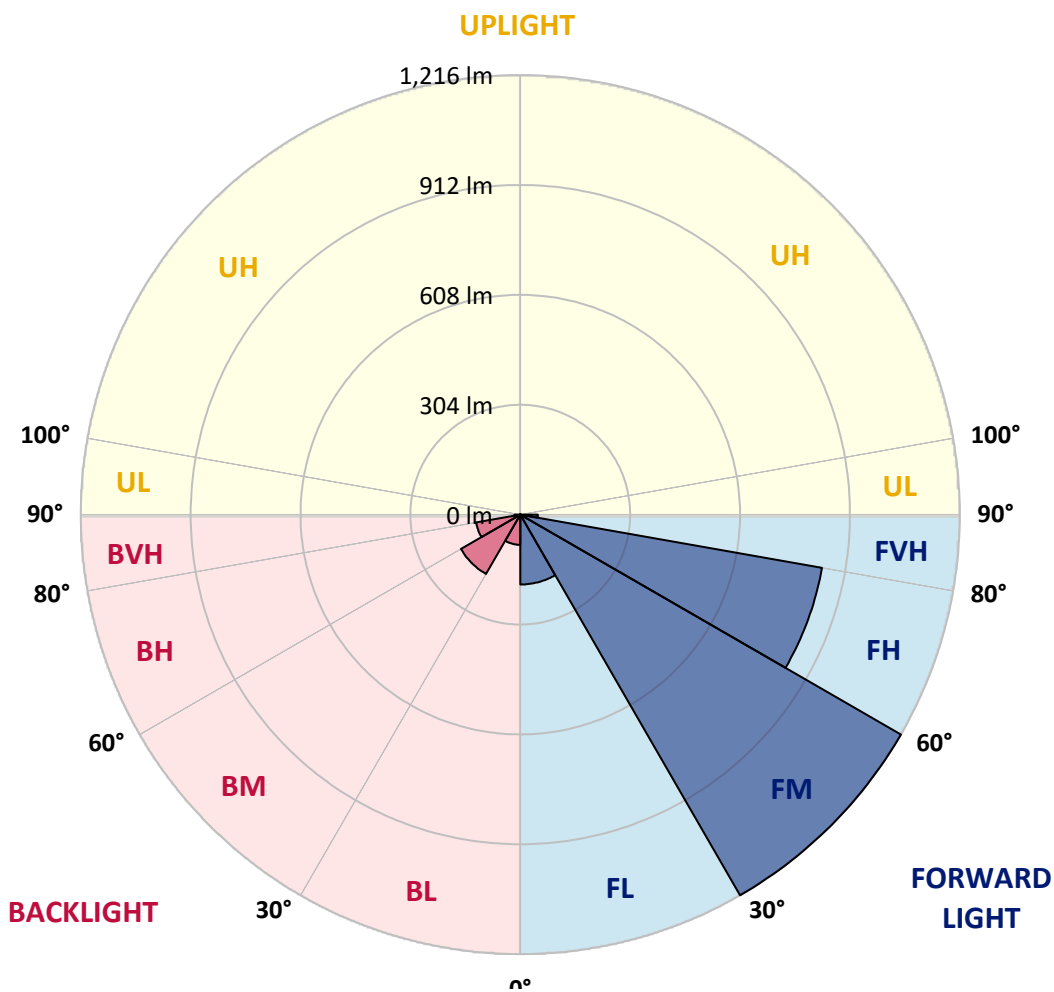
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.3	7.1			
FM	(30°-60°)	1216.2	44.7			
FH	(60°-80°)	847.6	31.2			G1/1800
FVH	(80°-90°)	48.7	1.8			G1/100
BL	(0°-30°)	83.5	3.1	B0/110		
BM	(30°-60°)	189.7	7.0	B0/220		
BH	(60°-80°)	124.1	4.6	B1/500		G1/500
BVH	(80°-90°)	16.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	393	393	393	393	393	393	393	393	393	393	393
2.5°	408	447	428	450	461	454	448	433	420	415	402
5°	450	449	444	442	433	422	413	463	445	436	413
7.5°	399	433	458	471	471	458	444	383	414	406	373
10°	501	501	500	501	411	433	372	346	335	361	335
12.5°	426	463	505	520	479	409	381	366	287	281	297
15°	501	504	508	447	380	434	332	329	380	371	375
17.5°	402	406	493	482	442	329	414	370	351	339	338
20°	507	509	508	381	408	448	429	326	409	414	419
22.5°	429	430	435	485	413	467	387	486	401	413	312
25°	577	577	559	437	500	426	471	418	526	512	469
27.5°	538	534	513	541	451	539	466	525	571	551	569
30°	756	761	734	562	549	517	537	622	777	766	684
32.5°	1012	965	842	728	600	631	600	734	832	834	724
35°	1136	1132	1079	859	690	690	673	766	903	890	767
37.5°	1235	1229	1192	971	771	767	712	815	984	951	814
40°	1319	1311	1279	1049	859	840	760	871	1047	1050	859
42.5°	1375	1372	1349	1120	932	898	824	943	1114	1131	915
45°	1419	1418	1398	1198	984	951	892	997	1206	1216	975
47.5°	1424	1428	1428	1237	1020	998	962	1045	1323	1302	1045
50°	1372	1376	1401	1302	1051	1037	1022	1103	1430	1399	1119
52.5°	1239	1248	1316	1270	1067	1066	1078	1178	1539	1506	1217
55°	953	959	1128	1176	1062	1073	1120	1271	1674	1645	1320
57.5°	728	745	851	998	1007	1067	1147	1336	1783	1754	1415
60°	586	598	660	789	889	1041	1184	1417	1889	1875	1517
62.5°	459	467	510	595	722	980	1207	1505	2011	2004	1650
65°	329	337	375	431	558	865	1196	1589	2175	2168	1779
67.5°	240	242	267	305	396	700	1142	1642	2335	2321	1878
70°	185	187	199	213	253	530	1016	1602	2429	2405	1893
72.5°	150	150	155	162	173	346	798	1445	2385	2338	1768
75°	126	126	129	127	121	216	555	1207	2184	2125	1539
77.5°	106	105	105	106	94	147	339	930	1765	1708	1141
80°	87	87	87	87	77	105	202	617	1014	885	523
82.5°	64	65	68	68	64	77	105	258	347	307	185
85°	30	31	40	42	41	38	55	116	162	147	43
87.5°	1	1	4	9	8	6	11	16	6	7	5
90°	0	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	393	393	393	393	393	393	393	393	393	393	393
2.5°	393	384	363	345	326	313	284	263	252	250	253
5°	395	375	333	280	240	230	226	225	224	224	224
7.5°	348	322	259	220	226	226	226	223	205	197	197
10°	307	273	193	178	179	188	212	237	242	243	244
12.5°	266	233	164	173	156	185	219	244	220	208	208
15°	335	288	190	152	154	185	167	226	242	243	244
17.5°	302	254	177	160	169	141	191	214	197	195	193
20°	367	302	185	159	158	171	162	162	220	220	220
22.5°	272	224	180	179	151	169	161	180	173	170	170
25°	399	316	197	157	162	149	166	148	183	185	185
27.5°	479	371	214	174	149	160	137	149	141	142	142
30°	571	435	266	182	153	132	136	129	153	150	149
32.5°	596	439	256	193	149	133	123	133	142	155	155
35°	625	443	242	184	146	124	122	133	144	140	140
37.5°	652	446	231	173	134	121	121	123	134	128	128
40°	683	447	218	161	124	119	112	114	115	111	110
42.5°	718	446	203	150	115	111	106	106	109	108	107
45°	756	445	187	137	105	100	97	109	114	114	112
47.5°	802	445	172	122	98	90	88	101	111	113	115
50°	855	443	158	111	91	84	87	100	108	111	110
52.5°	924	439	146	102	86	77	82	97	107	108	107
55°	984	425	134	98	82	73	79	96	105	105	105
57.5°	1035	405	124	95	81	72	78	95	101	104	104
60°	1097	380	117	94	80	71	77	94	99	103	103
62.5°	1161	359	113	94	77	72	77	94	98	103	102
65°	1213	332	109	96	76	72	77	94	97	102	102
67.5°	1210	295	104	101	77	73	77	93	95	102	100
70°	1142	252	96	100	80	73	76	90	91	100	97
72.5°	1019	204	85	94	80	74	74	86	86	96	90
75°	853	157	70	83	76	76	70	81	79	85	79
77.5°	636	119	54	69	69	75	67	75	72	73	70
80°	265	72	41	54	59	73	64	68	61	61	59
82.5°	110	46	28	34	40	65	61	58	50	46	43
85°	40	25	19	23	26	45	44	37	29	32	26
87.5°	3	4	4	5	5	6	10	10	6	5	3
90°	0	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0



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CATALOG NUMBER: SDL-PA1-20-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	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°	0	0	0	0	0	0	0	0	0	0	0	0
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110°	0	0	0	0	0	0	0	0	0	0	0
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(END OF REPORT)