

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: P560035

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560035
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
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2779.4 lumens
Efficiency: N/A
Efficacy: 131.7 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): 21.1
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



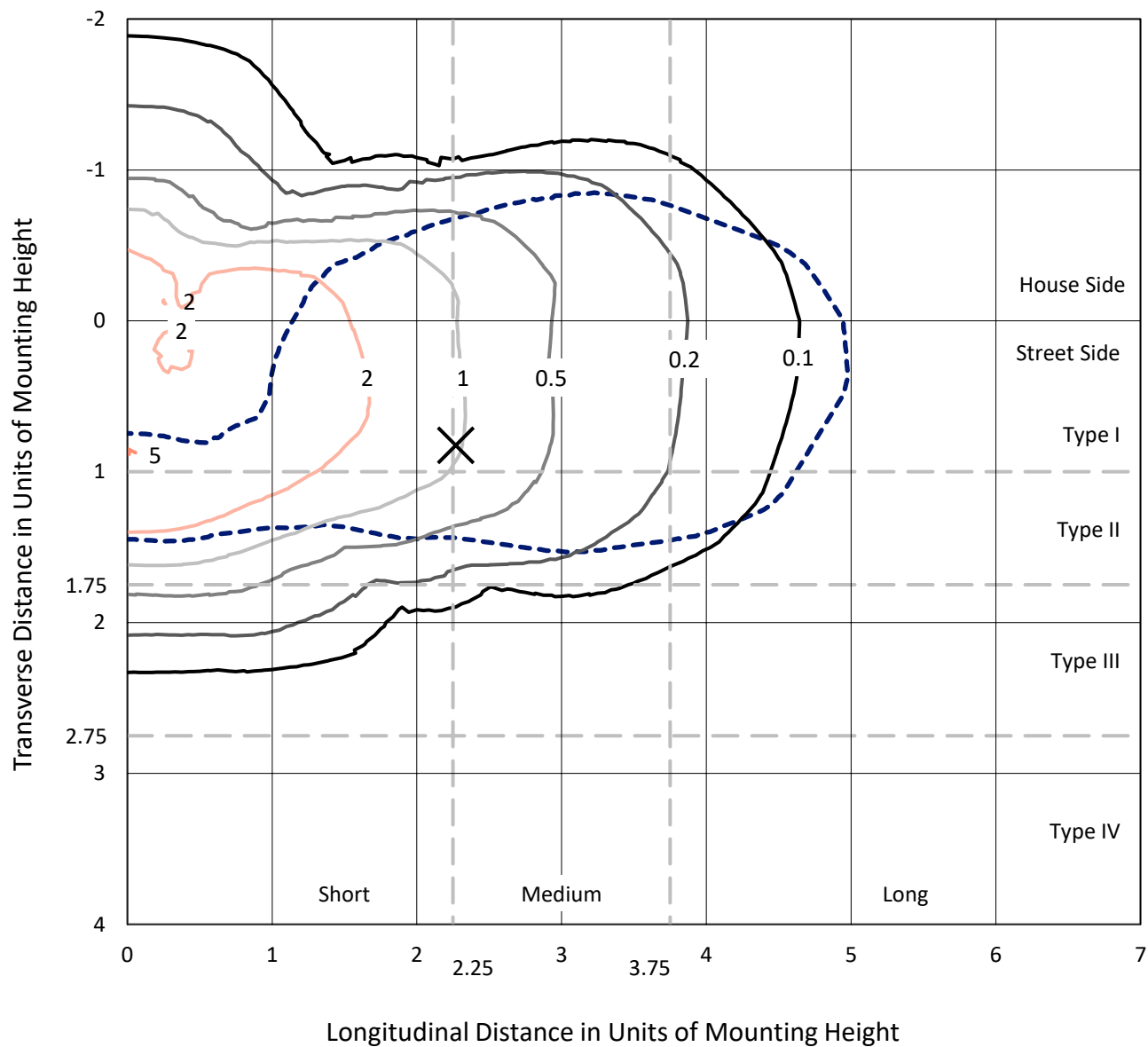
REPORT NUMBER: P560035

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

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



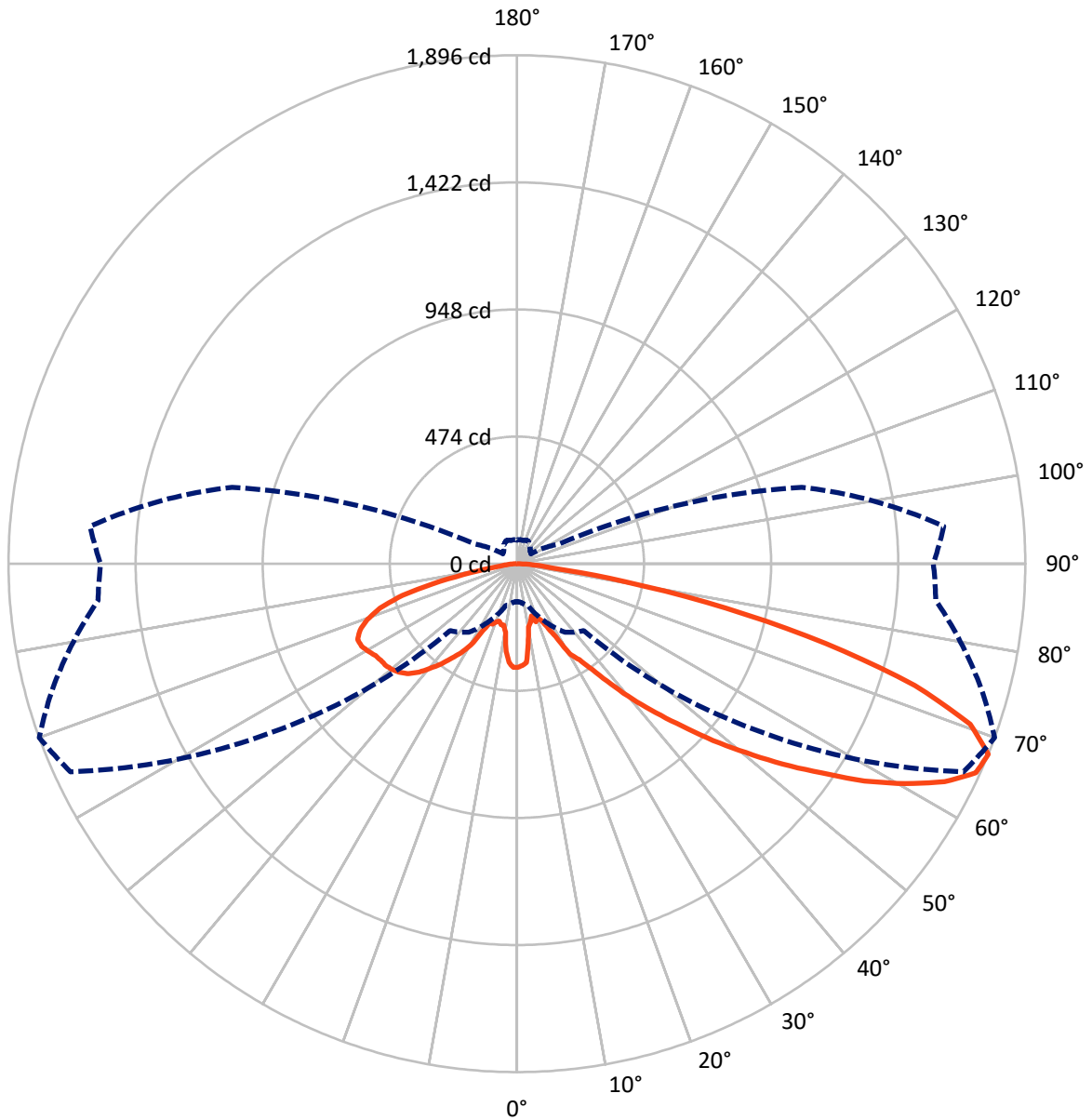
Based on 10 foot mounting height. Maximum calculated value = 5 fc

Type II - Medium - N/A

REPORT NUMBER: P560035

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

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560035

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

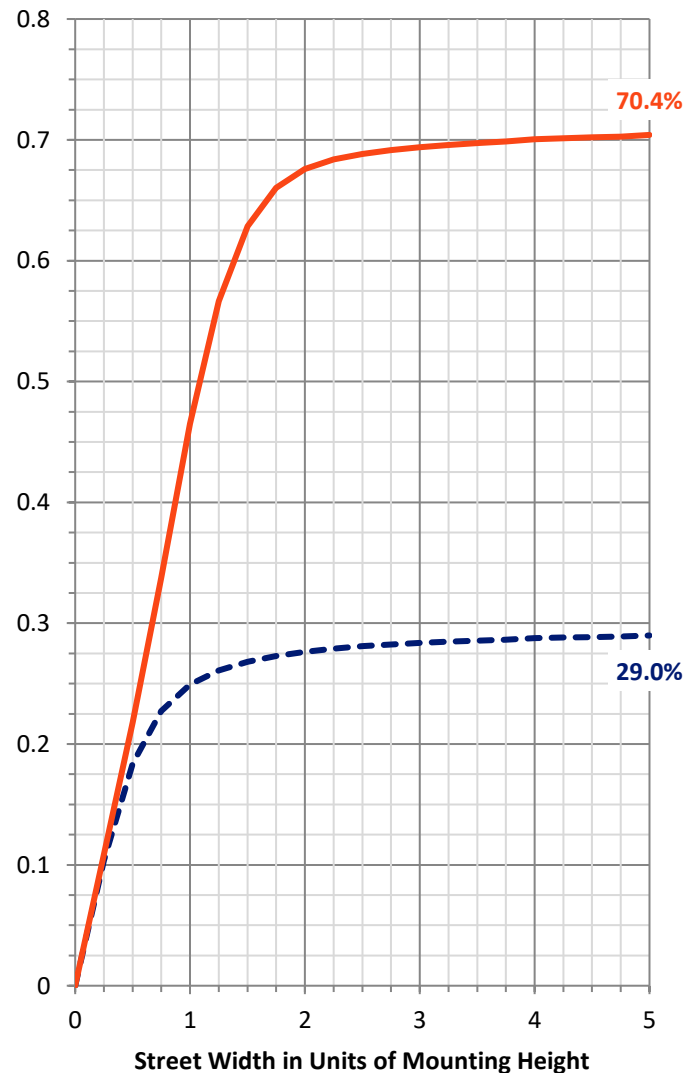
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.1	0.0	815.1
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	1964.3	0.0	1964.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	2779.4	0.0	2779.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	1.1
10°-20°	72.8	2.6
20°-30°	129.3	4.7
30°-40°	273.3	9.8
40°-50°	500.3	18.0
50°-60°	682.6	24.6
60°-70°	643.5	23.2
70°-80°	389.4	14.0
80°-90°	57.2	2.1
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°	2779.4	100.0
0°-180°	2779.4	100.0

Coefficient of Utilization



REPORT NUMBER: P560035

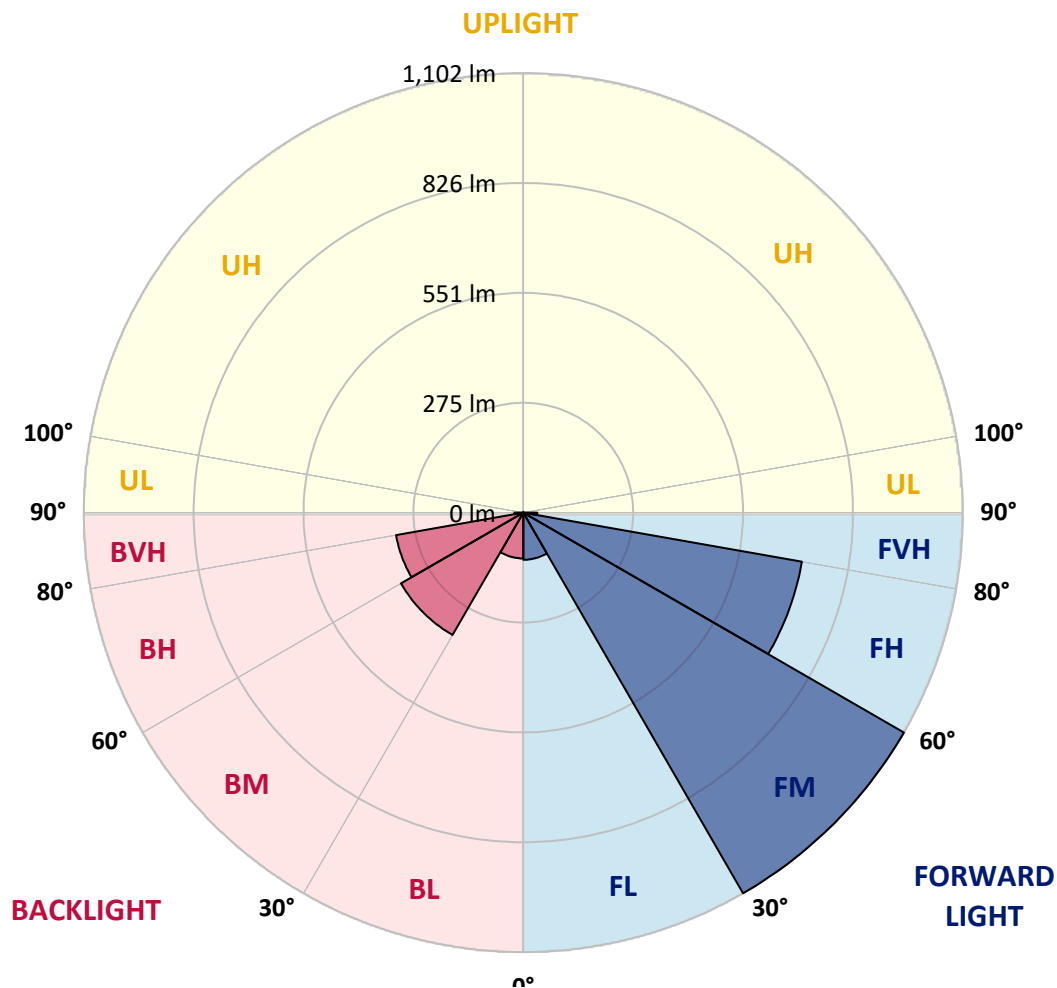
CATALOG NUMBER: SDL-PA1-20-740-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	118.3	4.3			
FM	(30°-60°)	1101.9	39.6			
FH	(60°-80°)	709.1	25.5			G1/1800
FVH	(80°-90°)	35.1	1.3			G1/100
BL	(0°-30°)	114.8	4.1	B1/500		
BM	(30°-60°)	354.3	12.7	B1/1000		
BH	(60°-80°)	323.8	11.7	B1/500		G1/500
BVH	(80°-90°)	22.1	0.8			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



REPORT NUMBER: P560035

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	387	387	387	387	387	387	387	387	387	387	387
2.5°	325	328	348	368	369	369	370	371	374	376	378
5°	303	305	305	305	306	307	308	308	310	311	313
7.5°	254	274	281	287	291	294	296	298	300	302	304
10°	289	289	290	290	290	289	269	248	258	268	253
12.5°	238	242	260	277	282	286	276	265	247	229	227
15°	283	283	283	282	264	245	226	206	218	230	212
17.5°	245	245	260	274	273	271	254	236	208	179	202
20°	309	308	303	297	260	223	231	239	241	242	235
22.5°	276	277	283	289	290	291	248	204	229	254	230
25°	384	382	373	363	322	280	288	296	255	213	239
27.5°	365	359	355	351	358	365	327	288	297	306	273
30°	522	522	512	501	439	376	366	356	332	307	313
32.5°	661	661	624	586	549	512	463	414	404	393	383
35°	832	827	806	784	704	624	561	498	478	458	448
37.5°	992	981	952	922	838	753	670	587	565	543	521
40°	1124	1118	1098	1077	982	887	793	698	669	640	608
42.5°	1245	1240	1222	1203	1109	1014	925	835	792	749	711
45°	1334	1326	1314	1301	1226	1150	1060	969	952	935	861
47.5°	1362	1348	1346	1344	1284	1224	1152	1080	1083	1086	1000
50°	1321	1300	1309	1318	1294	1269	1213	1157	1182	1206	1138
52.5°	1172	1167	1190	1212	1218	1224	1212	1199	1245	1291	1266
55°	967	989	1021	1053	1078	1102	1137	1172	1251	1330	1348
57.5°	762	785	822	859	888	917	989	1061	1180	1299	1380
60°	513	537	598	658	699	740	805	870	1020	1170	1334
62.5°	342	334	385	435	501	567	596	624	781	937	1202
65°	210	211	231	250	323	395	418	440	529	618	979
67.5°	141	144	153	162	197	232	272	312	333	353	714
70°	125	126	130	134	144	154	191	228	216	203	405
72.5°	110	111	118	124	129	134	156	178	164	150	202
75°	90	93	100	106	116	125	130	135	128	120	130
77.5°	74	76	81	86	96	105	110	115	104	93	99
80°	58	59	63	67	75	82	88	93	83	72	75
82.5°	35	36	42	47	54	60	64	67	70	72	63
85°	19	19	23	27	28	29	33	36	45	53	46
87.5°	3	3	4	4	6	7	8	8	9	9	10
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560035

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

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	387	387	387	387	387	387	387	387	387	387	387
2.5°	379	380	380	380	381	382	383	383	384	385	386
5°	315	341	366	370	373	375	377	378	380	382	383
7.5°	306	306	306	299	325	328	331	333	335	333	330
10°	237	237	236	238	249	268	286	288	290	274	257
12.5°	224	227	230	225	205	222	239	242	243	229	214
15°	193	194	195	202	243	260	277	280	283	268	252
17.5°	224	217	209	228	212	223	233	209	231	227	223
20°	228	204	179	213	249	266	282	284	285	273	260
22.5°	206	229	252	229	215	213	211	210	211	218	224
25°	265	236	207	260	293	301	309	305	303	288	273
27.5°	240	263	285	307	317	328	338	341	325	309	293
30°	318	332	345	390	423	433	443	433	427	407	386
32.5°	372	400	428	427	458	466	473	460	449	427	404
35°	438	456	474	484	515	518	521	504	488	462	436
37.5°	499	522	544	569	596	590	583	562	536	516	496
40°	575	603	631	663	679	670	660	628	603	582	561
42.5°	672	702	731	759	765	755	744	709	671	650	628
45°	786	810	834	863	875	857	838	794	749	719	689
47.5°	913	924	935	985	1001	971	940	892	829	790	750
50°	1070	1067	1063	1107	1144	1094	1043	987	925	870	814
52.5°	1241	1212	1182	1241	1259	1199	1139	1079	1017	946	874
55°	1366	1350	1334	1376	1374	1304	1233	1162	1111	1016	921
57.5°	1460	1474	1487	1529	1481	1401	1321	1250	1206	1087	968
60°	1497	1569	1640	1665	1592	1502	1411	1341	1304	1160	1016
62.5°	1467	1626	1785	1790	1694	1593	1492	1435	1416	1239	1061
65°	1340	1602	1863	1881	1773	1667	1560	1518	1530	1313	1095
67.5°	1074	1456	1837	1896	1792	1680	1568	1553	1598	1349	1100
70°	607	1119	1630	1794	1739	1628	1516	1523	1590	1329	1068
72.5°	253	774	1295	1552	1600	1506	1411	1437	1483	1235	986
75°	140	494	848	1190	1338	1313	1287	1316	1294	1054	814
77.5°	104	267	430	797	1007	1064	1120	1134	1011	770	529
80°	78	127	175	407	540	642	744	681	595	416	237
82.5°	54	73	92	131	210	242	273	260	195	137	78
85°	38	48	58	72	90	72	54	44	51	47	43
87.5°	10	10	9	10	7	6	5	4	4	4	4
90°	0	0	0	0	0	0	0	0	0	0	0

REPORT NUMBER: P560035

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

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	387	387	387	387	387	387	387	387	387	387	387
2.5°	387	388	388	388	388	387	382	377	365	353	349
5°	370	357	347	337	337	337	339	341	342	343	344
7.5°	330	329	333	337	340	343	345	347	343	339	330
10°	258	258	263	267	274	281	301	321	338	355	358
12.5°	234	253	242	230	255	280	302	323	340	356	343
15°	235	217	221	225	252	279	259	238	278	317	326
17.5°	224	225	243	261	234	206	241	276	291	305	292
20°	230	199	220	241	260	278	260	241	246	251	285
22.5°	243	262	244	226	248	269	260	251	267	282	268
25°	242	210	240	270	250	229	240	251	243	234	260
27.5°	279	265	257	248	259	270	247	224	224	224	221
30°	349	312	296	279	252	225	217	209	210	211	226
32.5°	390	376	328	280	255	230	209	188	190	192	211
35°	426	415	351	286	245	203	185	166	175	183	199
37.5°	467	437	350	262	218	174	163	152	158	163	173
40°	504	446	341	235	191	146	141	135	140	145	151
42.5°	544	459	328	196	161	126	124	122	127	132	136
45°	575	461	311	160	137	114	114	113	118	122	124
47.5°	595	439	284	128	118	108	109	109	113	116	117
50°	609	403	258	113	108	103	103	103	107	110	112
52.5°	619	363	234	104	102	99	99	98	103	108	109
55°	622	322	210	97	95	93	95	96	102	107	108
57.5°	629	290	190	90	89	88	91	94	100	106	106
60°	643	269	176	83	83	83	88	92	98	104	103
62.5°	656	250	163	76	77	78	84	90	96	102	101
65°	658	220	145	70	72	73	80	87	93	99	97
67.5°	636	172	118	64	67	69	77	84	90	95	93
70°	596	123	91	59	62	64	72	79	84	89	87
72.5°	537	88	71	54	56	58	65	72	78	83	81
75°	443	71	60	49	51	52	59	65	71	76	73
77.5°	294	58	51	44	45	46	52	57	62	66	64
80°	142	47	43	38	39	39	44	49	53	56	55
82.5°	58	37	34	31	31	31	36	40	44	47	45
85°	36	29	27	24	23	22	24	26	28	29	28
87.5°	5	5	6	7	6	4	6	8	8	7	6
90°	0	0	3	3	2	0	0	0	0	0	0



REPORT NUMBER: P560035

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

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	387	387	387	387
2.5°	345	345	345	347
5°	344	344	344	346
7.5°	321	311	301	302
10°	360	361	361	362
12.5°	329	313	297	299
15°	335	335	334	335
17.5°	279	274	269	269
20°	319	319	319	319
22.5°	254	253	252	253
25°	286	287	287	286
27.5°	218	231	243	244
30°	240	240	240	240
32.5°	230	240	250	251
35°	214	213	212	215
37.5°	182	180	178	178
40°	157	153	149	149
42.5°	139	136	132	131
45°	126	123	119	119
47.5°	117	115	113	112
50°	113	111	109	109
52.5°	110	109	107	107
55°	108	107	105	105
57.5°	106	105	103	103
60°	102	101	100	100
62.5°	99	98	97	97
65°	95	95	94	93
67.5°	90	90	90	88
70°	84	84	84	82
72.5°	78	78	77	74
75°	70	69	68	66
77.5°	62	60	58	57
80°	53	51	49	47
82.5°	42	41	39	34
85°	26	23	19	17
87.5°	5	4	3	1
90°	0	0	0	0

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