

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: P560040

Luminaire Tested: **SDL-PA1-20-740-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560040
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-T4W-A
Description: Springdale
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2542.3 lumens
Efficiency: N/A
Efficacy: 121.1 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 - G2

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

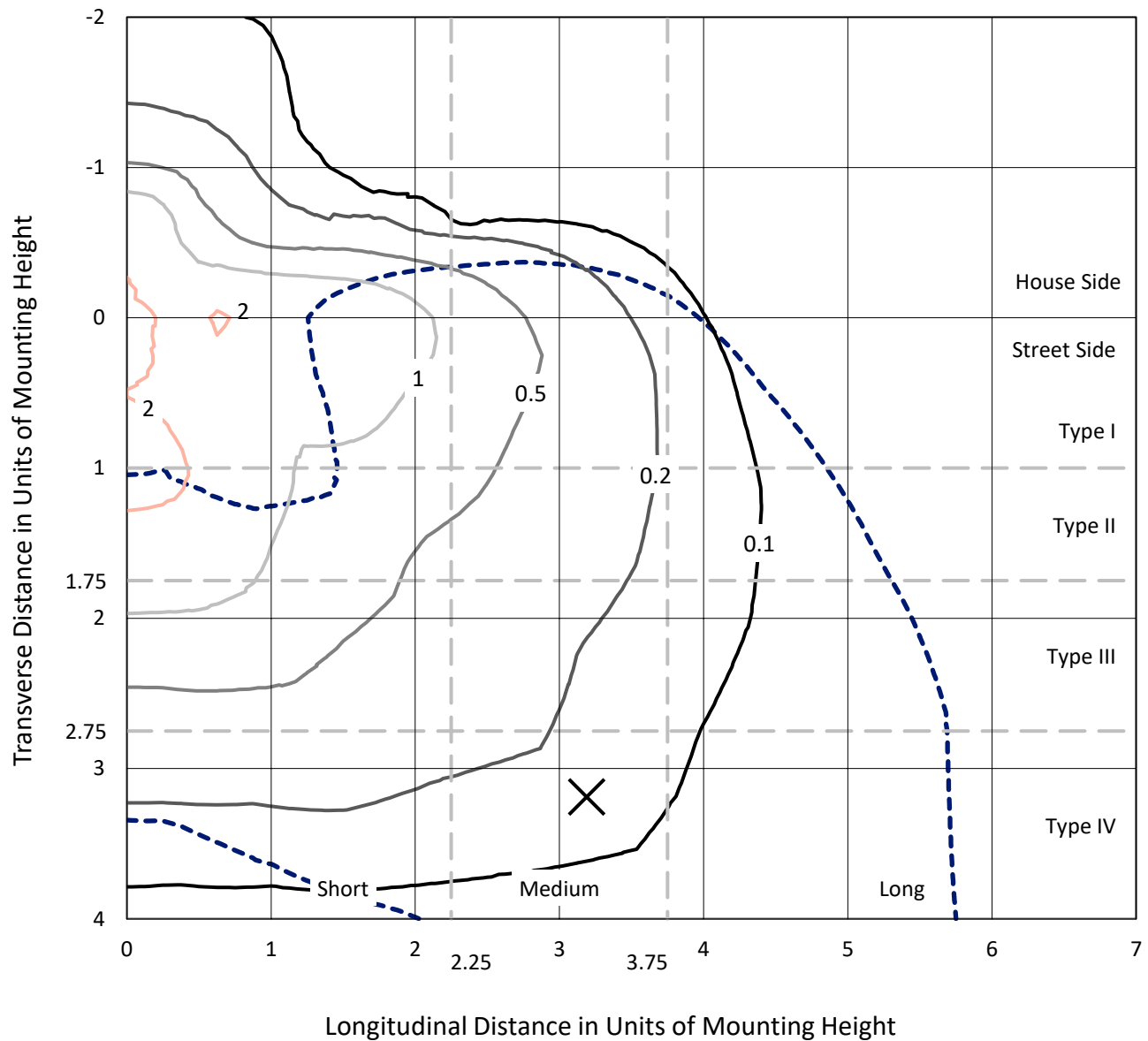


REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

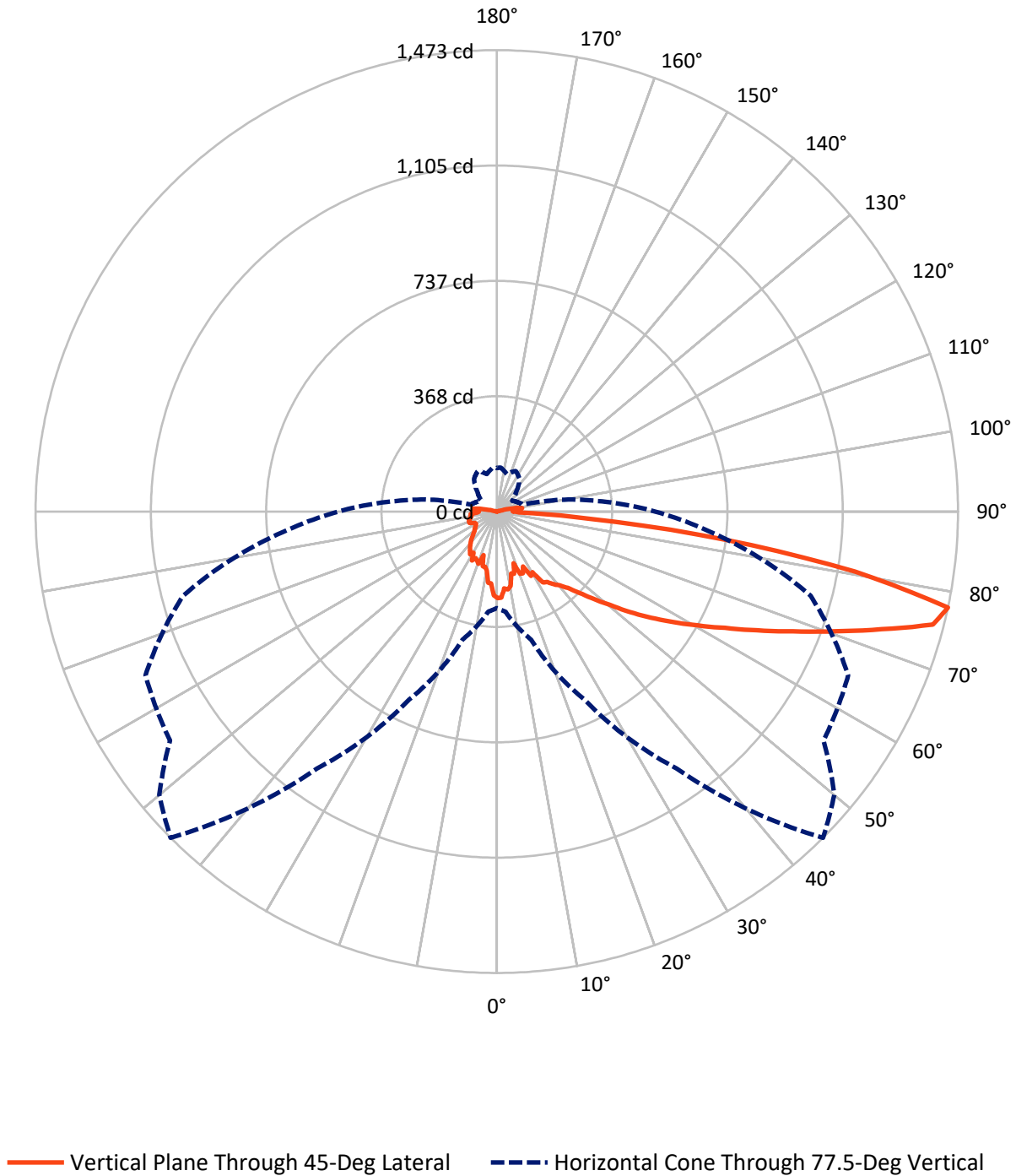


Based on 10 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

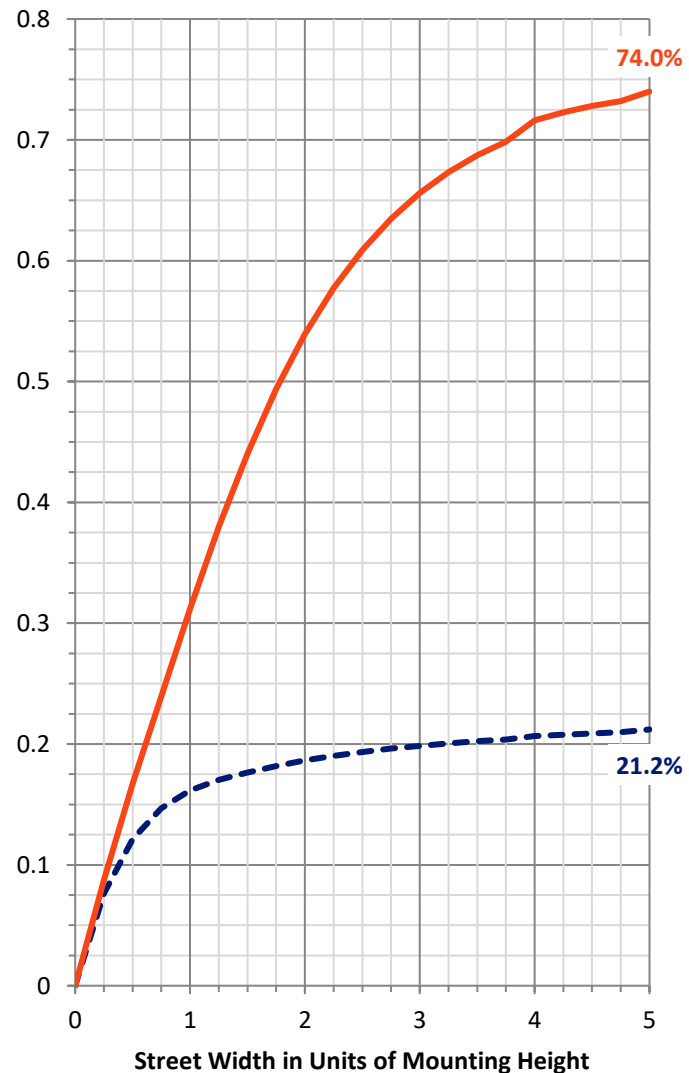
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	569.0	42.4	611.5
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	1896.5	34.3	1930.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	2465.6	76.8	2542.3
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	0.9
10°-20°	56.8	2.2
20°-30°	98.3	3.9
30°-40°	174.2	6.9
40°-50°	270.1	10.6
50°-60°	434.8	17.1
60°-70°	639.4	25.1
70°-80°	615.6	24.2
80°-90°	153.5	6.0
90°-100°	57.2	2.3
100°-110°	12.7	0.5
110°-120°	2.7	0.1
120°-130°	2.3	0.1
130°-140°	1.0	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°	2465.6	97.0
0°-180°	2542.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560040

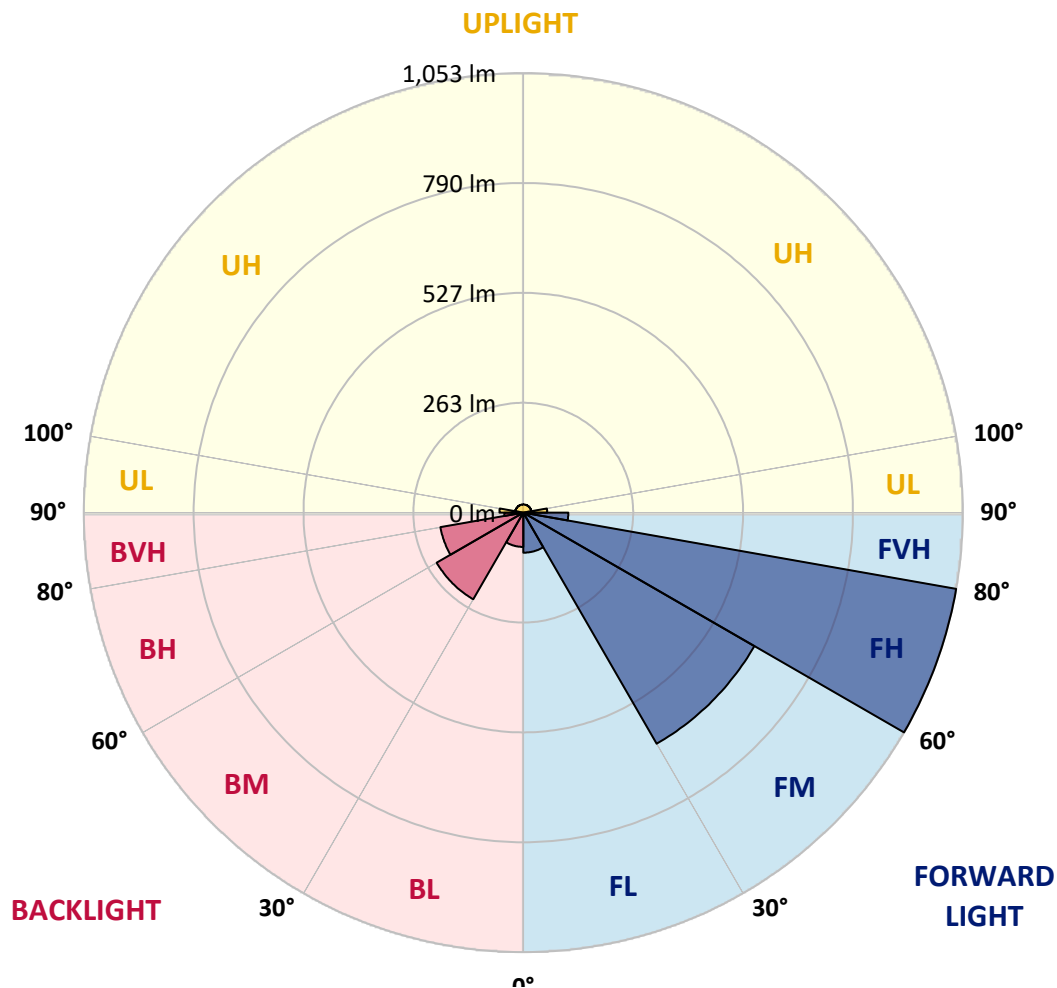
CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.0	3.8			
FM	(30°-60°)	639.4	25.2			
FH	(60°-80°)	1053.3	41.4			G1/1800
FVH	(80°-90°)	107.8	4.2			G2/225
BL	(0°-30°)	82.1	3.2	B0/110		
BM	(30°-60°)	239.6	9.4	B1/1000		
BH	(60°-80°)	201.6	7.9	B1/500		G1/500
BVH	(80°-90°)	45.7	1.8			G1/100
UL	(90°-100°)	57.2	2.3		U3/500	
UH	(100°-180°)	19.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	276	276	276	276	276	276	276	276	276	276	276
2.5°	251	275	271	274	274	275	276	276	277	276	276
5°	256	255	253	251	249	246	246	246	270	272	270
7.5°	239	260	258	254	254	251	247	243	236	234	237
10°	270	269	266	260	238	242	217	196	188	193	206
12.5°	240	257	264	264	236	203	181	193	186	166	181
15°	283	281	273	260	207	206	194	170	173	188	202
17.5°	242	242	271	248	213	173	172	191	175	167	175
20°	292	291	282	206	215	212	175	195	167	192	210
22.5°	248	246	260	247	205	214	164	185	199	176	163
25°	292	294	290	220	233	194	198	211	183	223	232
27.5°	257	257	246	246	216	233	186	198	218	241	283
30°	315	316	309	237	239	224	216	230	262	313	332
32.5°	385	385	331	283	240	270	228	251	297	323	348
35°	429	424	400	318	259	276	258	267	308	346	364
37.5°	492	490	466	349	278	294	268	278	328	363	384
40°	579	569	548	403	301	310	280	292	352	385	410
42.5°	648	650	635	467	339	333	301	310	378	419	447
45°	712	710	713	544	386	370	338	339	411	461	499
47.5°	756	755	762	616	446	417	379	375	449	533	570
50°	809	806	802	693	514	468	433	419	498	614	660
52.5°	874	867	854	753	589	533	494	475	564	705	764
55°	936	926	915	820	658	598	556	545	650	799	875
57.5°	997	992	983	909	746	666	619	617	750	890	994
60°	1054	1046	1058	1005	828	738	688	703	860	981	1126
62.5°	1089	1086	1112	1093	904	818	767	793	966	1070	1243
65°	1037	1045	1148	1148	992	913	863	879	1066	1160	1350
67.5°	942	953	1093	1179	1071	1020	968	977	1155	1233	1437
70°	861	869	999	1181	1121	1144	1069	1061	1224	1294	1469
72.5°	790	801	908	1169	1170	1285	1189	1141	1287	1317	1367
75°	626	621	742	1028	1186	1439	1330	1230	1318	1238	1072
77.5°	308	321	423	662	1001	1473	1407	1274	1238	1037	669
80°	91	94	118	237	575	1160	1162	1054	931	606	302
82.5°	51	52	68	103	236	735	765	633	412	224	151
85°	27	28	35	54	120	293	311	242	199	146	111
87.5°	13	13	12	18	44	71	79	90	80	75	92
90°	11	11	9	10	24	51	62	69	63	69	101
92.5°	12	12	9	10	26	57	68	77	67	74	112
95°	11	12	8	9	26	70	82	84	69	81	120
97.5°	9	9	6	7	23	82	90	87	61	62	96
100°	7	7	4	6	16	66	77	73	40	10	24
102.5°	6	6	3	5	7	32	41	40	24	6	5
105°	6	6	3	4	4	9	14	18	10	3	5
107.5°	6	6	3	2	2	4	5	5	5	3	6



REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6	6	2	2	1	2	2	2	2	3	6
115°	5	5	1	2	1	1	2	1	2	2	5
117.5°	5	4	1	1	1	1	1	1	2	3	6
120°	5	5	2	1	1	1	1	1	2	4	7
122.5°	5	5	2	1	0	1	1	1	2	4	8
125°	6	5	2	1	0	0	1	1	1	4	7
127.5°	5	4	2	1	0	0	1	1	1	3	6
130°	5	4	2	0	0	0	1	1	1	3	5
132.5°	4	3	2	0	0	0	1	1	1	2	4
135°	3	3	1	0	1	0	1	1	1	1	3
137.5°	2	2	1	0	0	0	1	1	1	1	1
140°	1	0	0	0	0	0	1	1	1	1	1
142.5°	0	0	0	0	0	1	1	1	1	1	1
145°	0	0	0	0	1	1	1	1	1	1	1
147.5°	1	0	0	1	1	1	1	1	1	1	1
150°	3	3	3	2	1	1	1	2	1	1	1
152.5°	3	3	3	2	0	0	1	1	2	1	1
155°	2	2	2	0	0	0	1	1	1	2	2
157.5°	1	1	1	0	0	0	1	1	1	1	1
160°	0	0	0	0	0	0	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

REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	276	276	276	276	276	276	276	276	276	276	276
2.5°	275	274	273	272	270	268	263	242	242	243	243
5°	270	269	266	247	236	230	232	232	232	233	235
7.5°	236	235	221	220	224	229	232	227	217	217	217
10°	206	205	180	175	180	192	223	229	233	234	236
12.5°	180	177	155	171	160	180	208	231	210	206	206
15°	200	199	173	150	151	180	165	217	229	231	232
17.5°	175	173	159	158	167	145	183	207	197	200	200
20°	209	208	182	151	149	177	162	188	224	231	232
22.5°	162	162	167	177	161	169	173	199	192	196	208
25°	230	228	202	159	173	163	181	189	222	230	232
27.5°	279	274	217	179	156	175	174	183	188	219	223
30°	329	324	279	201	162	151	166	196	226	231	235
32.5°	347	343	285	213	163	161	165	196	248	268	272
35°	366	361	291	208	159	150	156	202	247	260	263
37.5°	389	380	298	198	148	142	149	184	235	248	250
40°	418	409	307	187	137	132	136	171	206	217	222
42.5°	462	445	311	178	127	122	126	154	181	188	191
45°	519	489	317	166	118	111	117	141	154	154	154
47.5°	589	541	320	156	107	101	107	128	135	131	130
50°	675	607	335	144	98	93	103	113	116	118	118
52.5°	776	683	344	132	92	89	99	106	107	109	109
55°	886	766	349	121	88	84	95	102	102	104	104
57.5°	1000	862	362	113	84	80	91	103	99	103	104
60°	1120	951	351	105	78	77	92	110	109	114	115
62.5°	1233	1022	302	98	74	78	103	124	121	129	129
65°	1297	1046	222	94	71	84	114	138	128	132	130
67.5°	1311	1022	160	89	70	94	122	141	127	131	131
70°	1278	966	129	85	69	95	124	141	128	137	135
72.5°	1129	822	110	81	69	93	127	142	131	146	143
75°	851	615	97	77	65	90	129	143	127	143	141
77.5°	506	351	86	72	60	87	127	143	124	141	139
80°	214	165	73	63	55	83	125	142	119	137	134
82.5°	135	112	62	52	54	82	126	140	117	138	128
85°	109	92	53	44	50	84	121	127	101	119	116
87.5°	92	77	24	19	37	65	92	95	73	93	89
90°	101	84	23	16	33	57	85	83	70	89	88
92.5°	110	89	22	17	37	62	93	84	74	90	89
95°	114	91	21	18	44	68	99	82	78	83	82
97.5°	86	66	20	19	46	77	93	69	51	51	50
100°	22	22	18	18	31	56	71	51	29	22	23
102.5°	6	7	16	17	17	25	40	33	19	3	3
105°	6	6	11	13	9	8	16	18	14	2	3
107.5°	6	6	5	7	3	4	4	5	5	2	2



REPORT NUMBER: P560040

CATALOG NUMBER: SDL-PA1-20-740-U-T4W-A

CANDELA DISTRIBUTION (continued):

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



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110° | 7 7 2 2 2 2 2 2 2 3 6



110°	7	6	3	3	2	2	2	2	2	4	4
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(END OF REPORT)