

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: P560161

Luminaire Tested: **SDL-PA1-30-727-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560161
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-727-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2417.4 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B0 - U2 - G1

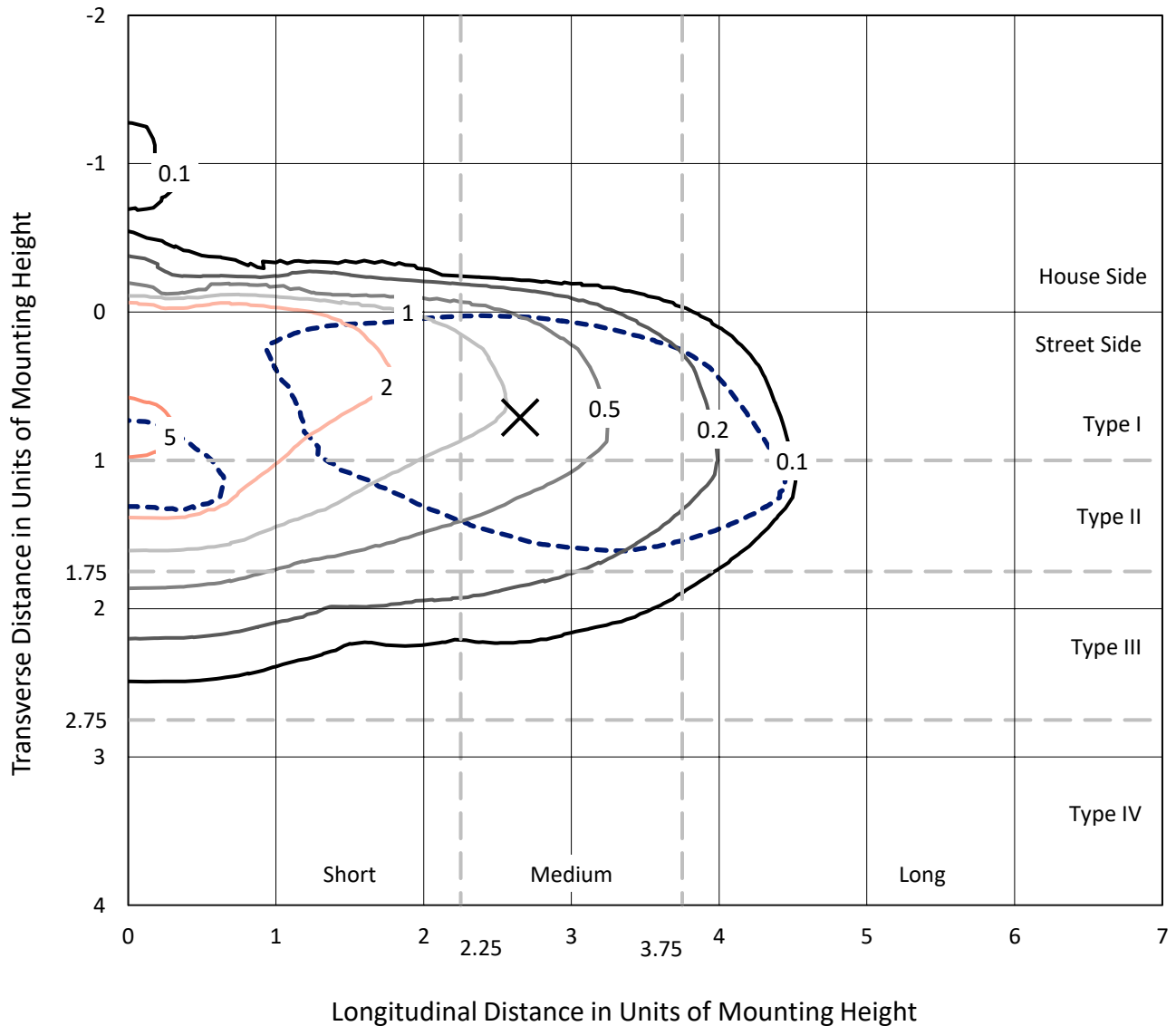
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560161
 CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

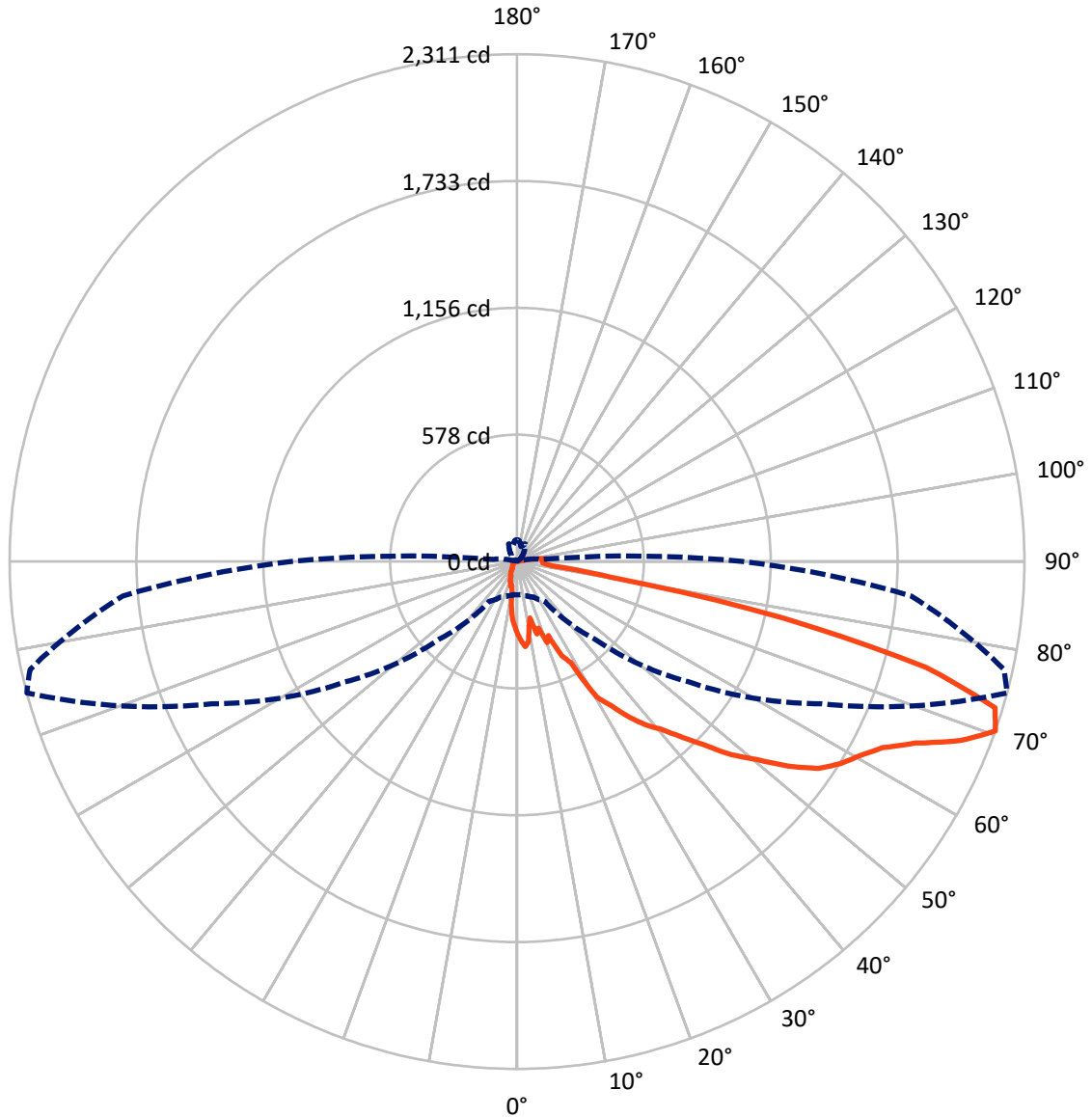
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

REPORT NUMBER: P560161
CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560161
 CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

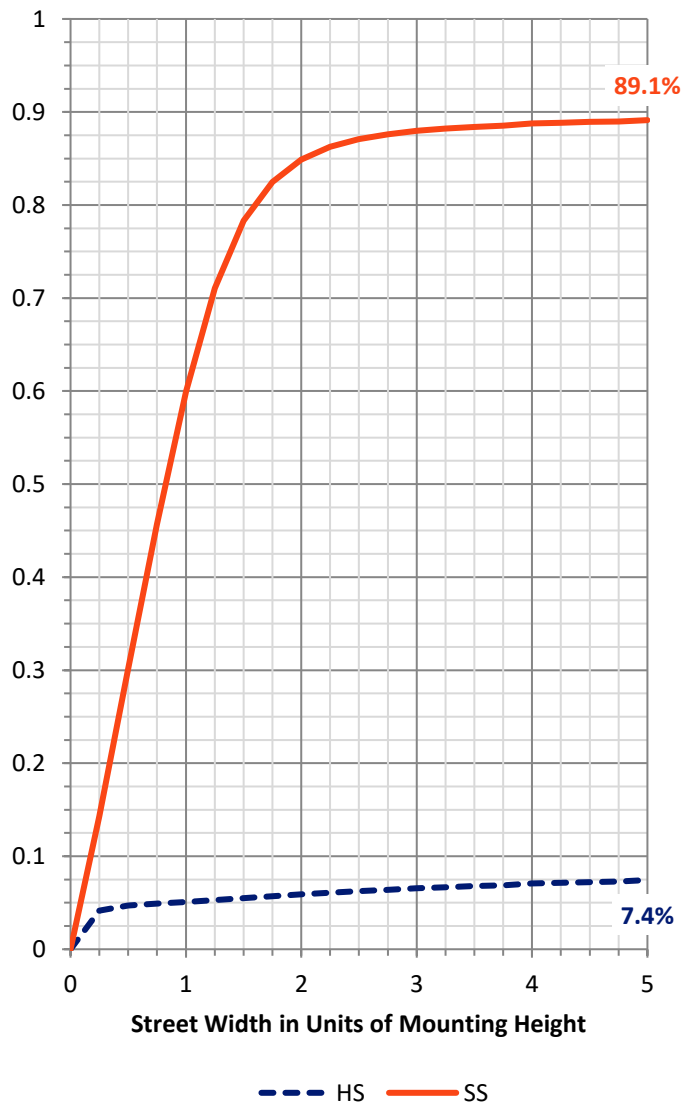
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	197.0	24.5	221.5
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	2165.1	30.9	2195.9
	% Fixture	89.6	1.3	90.8
Total	Lumens	2362.0	55.4	2417.4
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	1.1
10°-20°	63.8	2.6
20°-30°	119.6	4.9
30°-40°	268.5	11.1
40°-50°	441.8	18.3
50°-60°	541.6	22.4
60°-70°	507.2	21.0
70°-80°	330.3	13.7
80°-90°	63.1	2.6
90°-100°	36.2	1.5
100°-110°	8.1	0.3
110°-120°	4.1	0.2
120°-130°	3.5	0.1
130°-140°	1.7	0.1
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2362.0	97.7
0°-180°	2417.4	100.0

Coefficient of Utilization



REPORT NUMBER: P560161

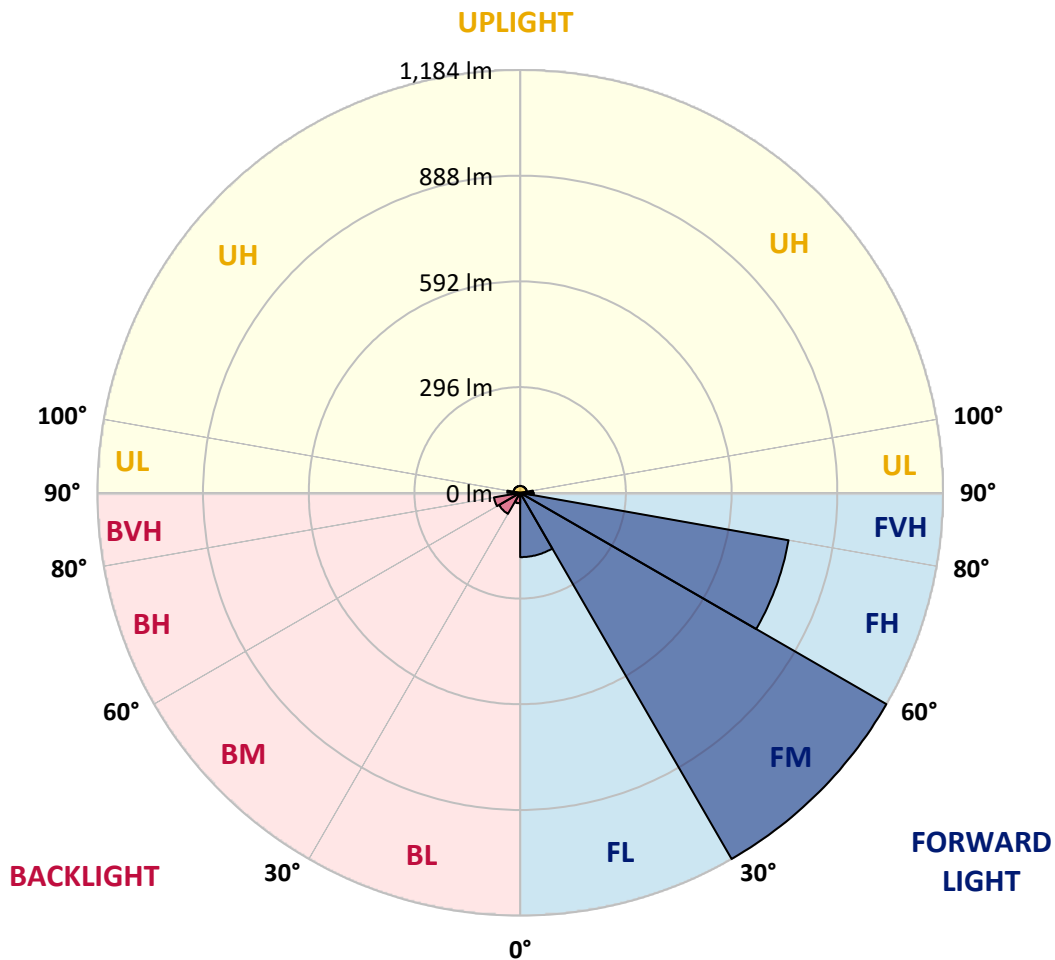
CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.1	7.4			
FM (30°-60°)	1183.8	49.0			
FH (60°-80°)	763.0	31.6			G1/1800
FVH (80°-90°)	38.2	1.6			G1/100
BL (0°-30°)	29.4	1.2	B0/110		
BM (30°-60°)	68.1	2.8	B0/220		
BH (60°-80°)	74.6	3.1	B0/110		G0/110
BVH (80°-90°)	24.9	1.0			G1/100
UL (90°-100°)	36.2	1.5		U2/50	
UH (100°-180°)	19.2	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium





REPORT NUMBER: P560161

CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9
2.5°	366.9	390.0	396.9	408.5	414.3	407.3	394.6	378.5	361.2	356.6	341.6
5°	416.6	411.9	408.5	408.5	401.6	386.6	372.7	415.4	388.9	383.1	353.1
7.5°	378.5	414.3	440.8	443.1	439.6	428.1	408.5	364.6	370.4	363.5	326.6
10°	458.1	459.3	454.6	458.1	425.8	409.6	346.2	319.6	298.9	326.6	293.1
12.5°	379.6	436.2	468.5	480.0	439.6	386.6	354.2	340.4	264.2	257.3	265.4
15°	463.9	466.2	469.6	458.1	356.6	405.0	328.9	303.5	342.7	333.5	327.7
17.5°	366.9	371.6	450.0	445.4	413.1	320.8	391.2	348.5	318.5	306.9	298.9
20°	467.3	468.5	467.3	354.2	385.4	431.6	368.1	356.6	394.6	390.0	369.2
22.5°	392.3	392.3	418.9	454.6	405.0	432.7	375.0	444.3	366.9	364.6	274.6
25°	542.3	542.3	523.9	401.6	459.3	407.3	445.4	399.3	474.3	458.1	411.9
27.5°	527.3	511.2	482.3	506.6	444.3	510.0	431.6	486.9	522.7	537.7	513.5
30°	732.7	732.7	701.6	542.3	520.4	492.7	498.5	582.7	716.6	718.9	620.8
32.5°	992.4	973.9	808.9	699.3	568.9	618.5	563.1	685.4	778.9	775.4	660.0
35°	1098.5	1092.7	1042.0	858.5	658.9	677.3	634.6	724.7	863.1	840.0	707.3
37.5°	1207.0	1197.8	1145.8	948.5	753.5	777.7	687.7	782.3	940.4	907.0	759.3
40°	1273.9	1275.1	1238.1	1020.1	828.5	841.2	751.2	852.7	1002.7	1009.7	804.3
42.5°	1344.3	1343.1	1313.1	1104.3	890.8	907.0	802.0	919.7	1087.0	1095.1	880.4
45°	1382.4	1380.1	1362.8	1162.0	940.4	952.0	880.4	1001.6	1189.7	1187.4	942.7
47.5°	1391.6	1395.1	1393.9	1218.5	992.4	997.0	950.8	1061.6	1314.3	1288.9	1024.7
50°	1339.7	1342.0	1358.1	1263.5	1030.4	1035.1	1006.2	1129.7	1419.3	1389.3	1098.5
52.5°	1195.4	1209.3	1277.4	1235.8	1046.6	1063.9	1058.1	1181.6	1547.4	1510.5	1189.7
55°	888.5	920.8	1076.6	1132.0	1038.5	1065.1	1104.3	1276.2	1663.9	1618.9	1263.5
57.5°	708.5	714.3	806.6	958.9	972.7	1059.3	1152.8	1333.9	1736.6	1691.6	1316.6
60°	559.6	568.9	628.9	751.2	849.3	1024.7	1166.6	1392.8	1794.3	1756.2	1375.5
62.5°	433.9	432.7	478.9	560.8	684.3	952.0	1148.1	1428.5	1868.2	1839.3	1480.5
65°	302.3	302.3	341.6	407.3	518.1	821.6	1111.2	1479.3	1993.9	1985.9	1610.9
67.5°	206.5	211.2	237.7	270.0	355.4	668.1	1055.8	1531.2	2177.4	2139.3	1736.6
70°	151.2	151.2	161.5	178.9	221.5	498.5	956.6	1532.4	2311.3	2272.0	1802.4
72.5°	111.9	111.9	120.0	128.1	139.6	331.2	784.7	1435.5	2276.7	2214.3	1668.5
75°	58.8	58.8	91.2	94.6	93.5	214.6	579.3	1179.3	1924.7	1820.9	1306.2
77.5°	46.2	47.3	51.9	73.8	68.1	140.8	323.1	725.8	1243.9	1117.0	707.3
80°	33.5	32.3	40.4	47.3	40.4	81.9	152.3	318.5	440.8	381.9	233.1
82.5°	19.6	20.8	24.2	34.6	34.6	57.7	99.2	139.6	158.1	156.9	139.6
85°	2.3	3.5	12.7	23.1	20.8	33.5	83.1	96.9	124.6	126.9	124.6
87.5°	2.3	2.3	3.5	4.6	5.8	21.9	70.4	84.2	115.4	123.5	124.6
90°	4.6	3.5	2.3	2.3	3.5	17.3	65.8	86.5	122.3	124.6	130.4
92.5°	5.8	4.6	2.3	1.2	3.5	13.8	62.3	86.5	126.9	135.0	140.8
95°	8.1	6.9	2.3	1.2	3.5	11.5	53.1	81.9	132.7	146.5	152.3
97.5°	10.4	9.2	2.3	2.3	3.5	9.2	41.5	64.6	87.7	99.2	107.3
100°	11.5	11.5	2.3	2.3	3.5	5.8	20.8	35.8	27.7	26.5	30.0
102.5°	12.7	12.7	2.3	2.3	2.3	3.5	6.9	15.0	5.8	5.8	9.2
105°	12.7	12.7	2.3	2.3	2.3	2.3	2.3	5.8	4.6	5.8	10.4
107.5°	11.5	12.7	2.3	3.5	3.5	2.3	2.3	2.3	4.6	6.9	10.4
110°	10.4	10.4	2.3	3.5	3.5	2.3	1.2	2.3	4.6	6.9	11.5



REPORT NUMBER: P560161
 CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	8.1	5.8	1.2	3.5	2.3	2.3	1.2	2.3	5.8	8.1	11.5
115°	3.5	2.3	1.2	2.3	2.3	2.3	1.2	2.3	5.8	9.2	11.5
117.5°	2.3	1.2	1.2	1.2	1.2	2.3	1.2	3.5	8.1	10.4	13.8
120°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	10.4	11.5	16.2
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	10.4	11.5	16.2
125°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	8.1	10.4	13.8
127.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	5.8	8.1	11.5
130°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	5.8	6.9	9.2
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	3.5	4.6	6.9
135°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	4.6
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.2	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	2.3	2.3	2.3	1.2	1.2	1.2	1.2	1.2
150°	2.3	3.5	5.8	4.6	2.3	1.2	2.3	1.2	1.2	1.2	1.2
152.5°	5.8	5.8	4.6	4.6	1.2	1.2	2.3	2.3	1.2	1.2	1.2
155°	4.6	4.6	3.5	1.2	1.2	1.2	1.2	2.3	3.5	4.6	3.5
157.5°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560161

CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9	328.9
2.5°	330.0	318.5	293.1	273.5	252.7	241.2	219.2	200.8	186.9	184.6	184.6
5°	330.0	306.9	261.9	213.5	168.5	145.4	132.7	124.6	118.9	116.5	115.4
7.5°	295.4	265.4	205.4	148.9	129.2	108.5	93.5	81.9	71.5	68.1	64.6
10°	258.5	221.5	139.6	102.7	81.9	68.1	61.2	57.7	54.2	53.1	53.1
12.5°	229.6	191.5	111.9	84.2	57.7	48.5	46.2	43.8	42.7	41.5	40.4
15°	280.4	229.6	116.5	57.7	40.4	34.6	32.3	33.5	35.8	35.8	35.8
17.5°	259.6	201.9	96.9	43.8	33.5	25.4	27.7	30.0	32.3	28.8	27.7
20°	310.4	237.7	94.6	34.6	27.7	25.4	24.2	20.8	26.5	26.5	26.5
22.5°	225.0	180.0	71.5	32.3	23.1	21.9	18.5	20.8	21.9	18.5	18.5
25°	333.5	234.2	70.4	25.4	23.1	17.3	18.5	15.0	18.5	18.5	18.5
27.5°	413.1	276.9	62.3	26.5	19.6	17.3	13.8	15.0	13.8	13.8	13.8
30°	491.6	311.6	56.5	26.5	18.5	13.8	12.7	11.5	13.8	13.8	13.8
32.5°	514.6	303.5	45.0	27.7	17.3	12.7	10.4	11.5	11.5	12.7	12.7
35°	541.2	296.6	38.1	24.2	16.2	11.5	9.2	10.4	11.5	12.7	12.7
37.5°	566.6	285.0	34.6	21.9	13.8	10.4	8.1	9.2	24.2	26.5	26.5
40°	598.9	271.2	32.3	19.6	11.5	8.1	6.9	18.5	21.9	25.4	25.4
42.5°	645.0	263.1	30.0	18.5	10.4	6.9	6.9	16.2	31.2	34.6	34.6
45°	683.1	249.2	28.8	16.2	9.2	5.8	11.5	21.9	25.4	32.3	31.2
47.5°	730.4	236.6	27.7	15.0	8.1	5.8	12.7	23.1	32.3	36.9	36.9
50°	781.2	229.6	26.5	13.8	8.1	5.8	21.9	21.9	26.5	41.5	41.5
52.5°	845.8	225.0	24.2	11.5	6.9	11.5	30.0	26.5	32.3	42.7	42.7
55°	877.0	210.0	23.1	10.4	5.8	11.5	32.3	30.0	33.5	45.0	45.0
57.5°	904.7	195.0	20.8	10.4	5.8	15.0	34.6	38.1	32.3	39.2	43.8
60°	930.0	180.0	18.5	9.2	5.8	18.5	38.1	53.1	45.0	53.1	53.1
62.5°	988.9	168.5	16.2	10.4	4.6	20.8	49.6	64.6	50.8	64.6	63.5
65°	1044.3	154.6	15.0	9.2	5.8	24.2	54.2	75.0	55.4	75.0	75.0
67.5°	1066.2	137.3	13.8	9.2	5.8	27.7	54.2	83.1	65.8	84.2	85.4
70°	1028.1	113.1	12.7	10.4	6.9	31.2	56.5	88.9	70.4	98.1	98.1
72.5°	873.5	77.3	12.7	11.5	13.8	34.6	66.9	92.3	73.8	117.7	118.9
75°	652.0	43.8	13.8	12.7	15.0	39.2	73.8	95.8	77.3	118.9	118.9
77.5°	371.6	30.0	13.8	15.0	18.5	39.2	77.3	99.2	76.2	116.5	114.2
80°	129.2	21.9	13.8	17.3	23.1	39.2	78.5	98.1	73.8	108.5	108.5
82.5°	87.7	18.5	13.8	17.3	27.7	41.5	77.3	92.3	65.8	91.2	87.7
85°	81.9	15.0	15.0	18.5	30.0	41.5	70.4	79.6	55.4	68.1	66.9
87.5°	80.8	13.8	17.3	19.6	32.3	38.1	60.0	65.8	45.0	55.4	54.2
90°	84.2	13.8	18.5	20.8	30.0	31.2	48.5	55.4	36.9	43.8	42.7
92.5°	90.0	13.8	19.6	23.1	26.5	23.1	39.2	43.8	31.2	33.5	32.3
95°	95.8	13.8	21.9	24.2	21.9	17.3	30.0	35.8	25.4	24.2	24.2
97.5°	63.5	10.4	23.1	24.2	18.5	12.7	23.1	27.7	15.0	12.7	12.7
100°	20.8	8.1	24.2	25.4	17.3	9.2	19.6	20.8	11.5	5.8	5.8
102.5°	9.2	8.1	21.9	21.9	15.0	6.9	13.8	15.0	8.1	2.3	2.3
105°	8.1	4.6	12.7	16.2	10.4	3.5	6.9	8.1	4.6	2.3	2.3
107.5°	9.2	4.6	6.9	9.2	4.6	3.5	3.5	3.5	2.3	2.3	2.3
110°	9.2	4.6	3.5	5.8	4.6	3.5	2.3	2.3	2.3	3.5	3.5



REPORT NUMBER: P560161
 CATALOG NUMBER: SDL-PA1-30-727-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	4.6	3.5	4.6	3.5	3.5	2.3	2.3	4.6	8.1	8.1
115°	10.4	4.6	3.5	4.6	3.5	3.5	2.3	1.2	4.6	11.5	12.7
117.5°	11.5	5.8	2.3	3.5	2.3	2.3	2.3	1.2	5.8	15.0	15.0
120°	13.8	5.8	2.3	2.3	2.3	1.2	2.3	2.3	5.8	16.2	16.2
122.5°	13.8	6.9	2.3	2.3	2.3	1.2	1.2	2.3	6.9	15.0	16.2
125°	11.5	5.8	2.3	2.3	2.3	1.2	1.2	2.3	6.9	13.8	16.2
127.5°	9.2	5.8	2.3	2.3	2.3	1.2	1.2	2.3	6.9	11.5	12.7
130°	8.1	4.6	2.3	2.3	2.3	1.2	1.2	2.3	5.8	9.2	10.4
132.5°	5.8	3.5	2.3	2.3	2.3	1.2	1.2	1.2	5.8	9.2	9.2
135°	4.6	3.5	2.3	2.3	2.3	1.2	1.2	1.2	4.6	6.9	6.9
137.5°	2.3	1.2	2.3	2.3	2.3	1.2	1.2	1.2	3.5	3.5	3.5
140°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	2.3	1.2
142.5°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	2.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2
152.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
155°	2.3	2.3	1.2	2.3	1.2	1.2	0.0	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
160°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)