

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: P560517

Luminaire Tested: **SDL-PA1-50-727-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 670mA 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: 3657.3 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

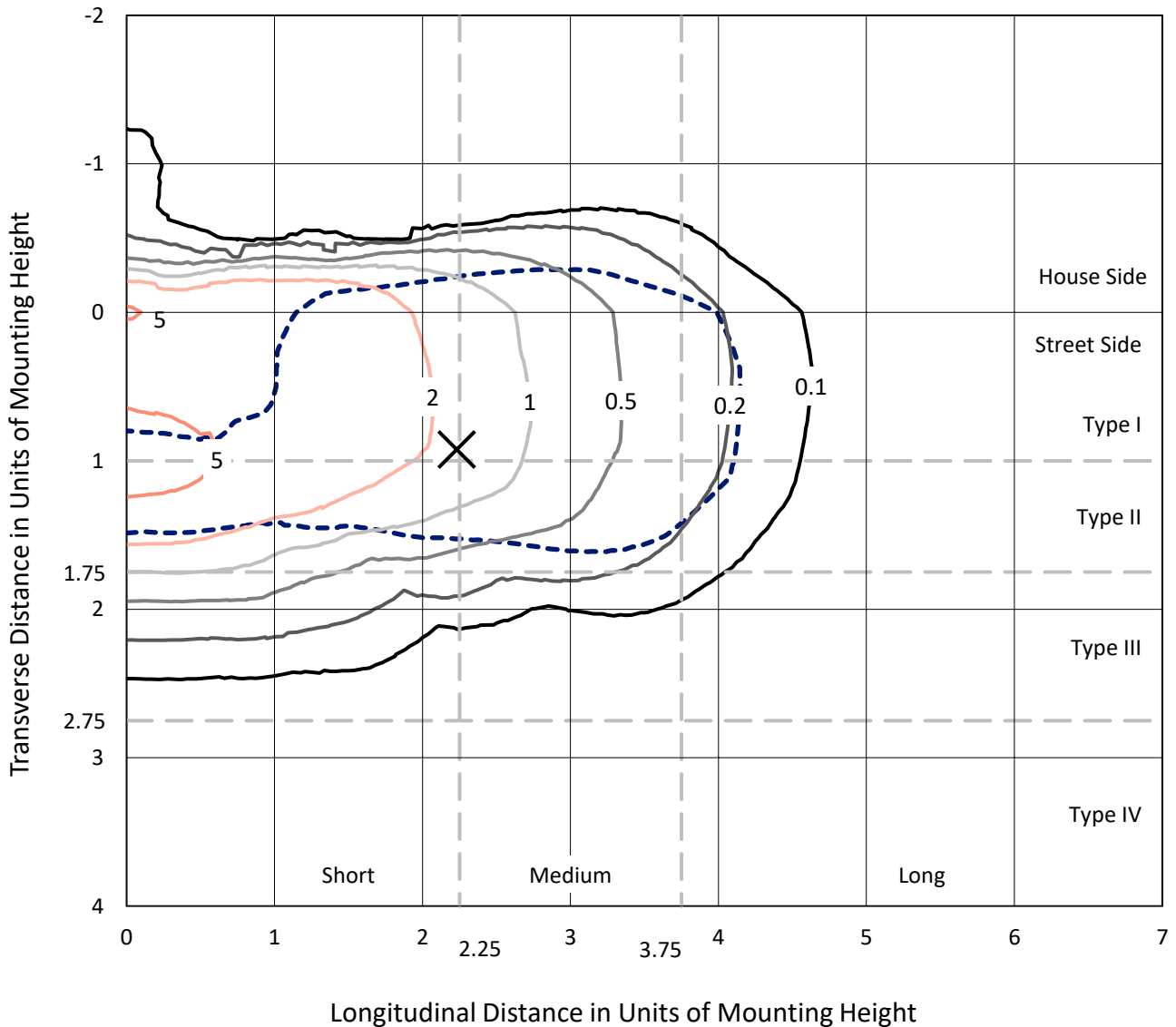
Input Watts (W): 52.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560517
 CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

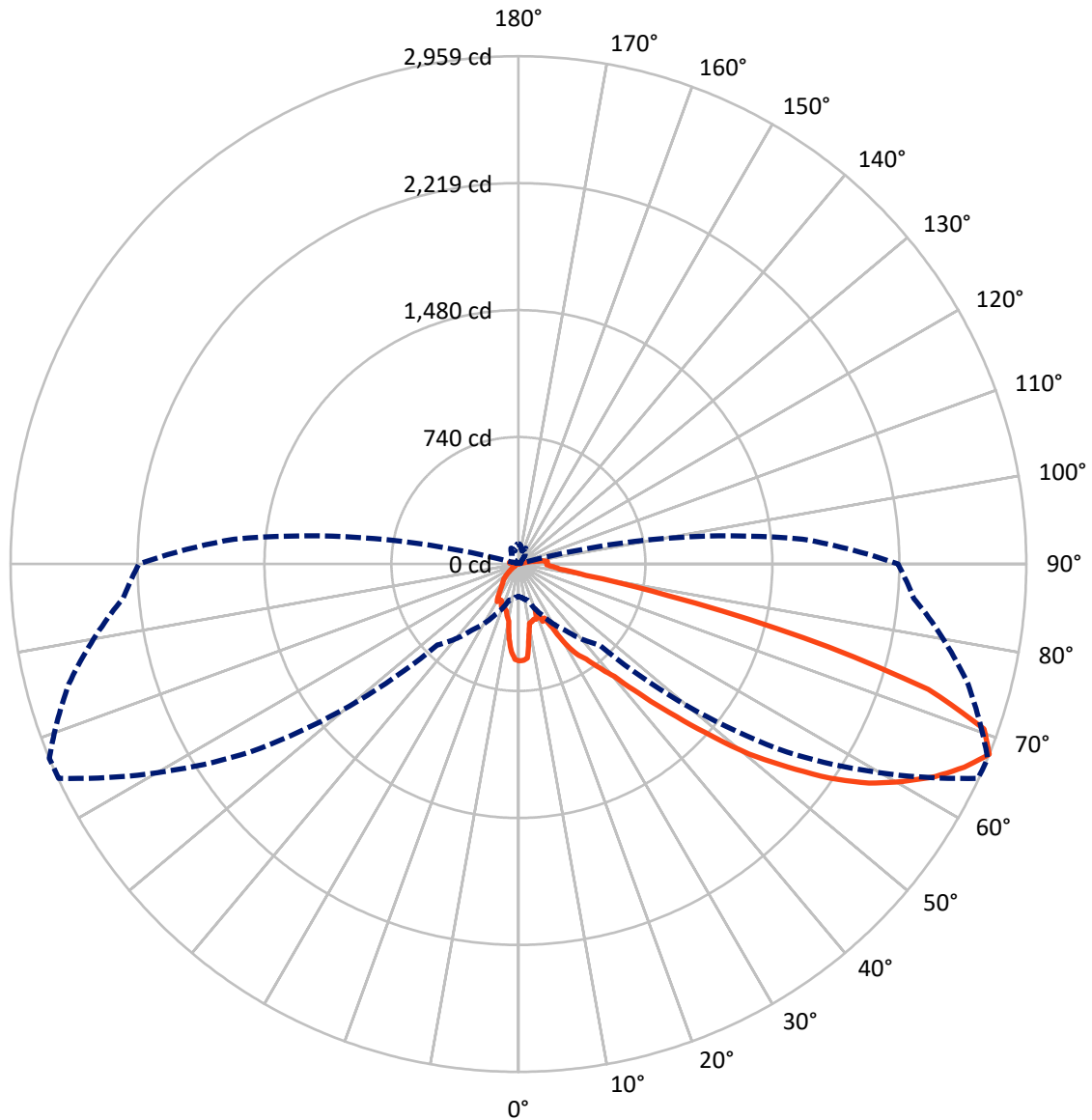
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

REPORT NUMBER: P560517
CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560517
 CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

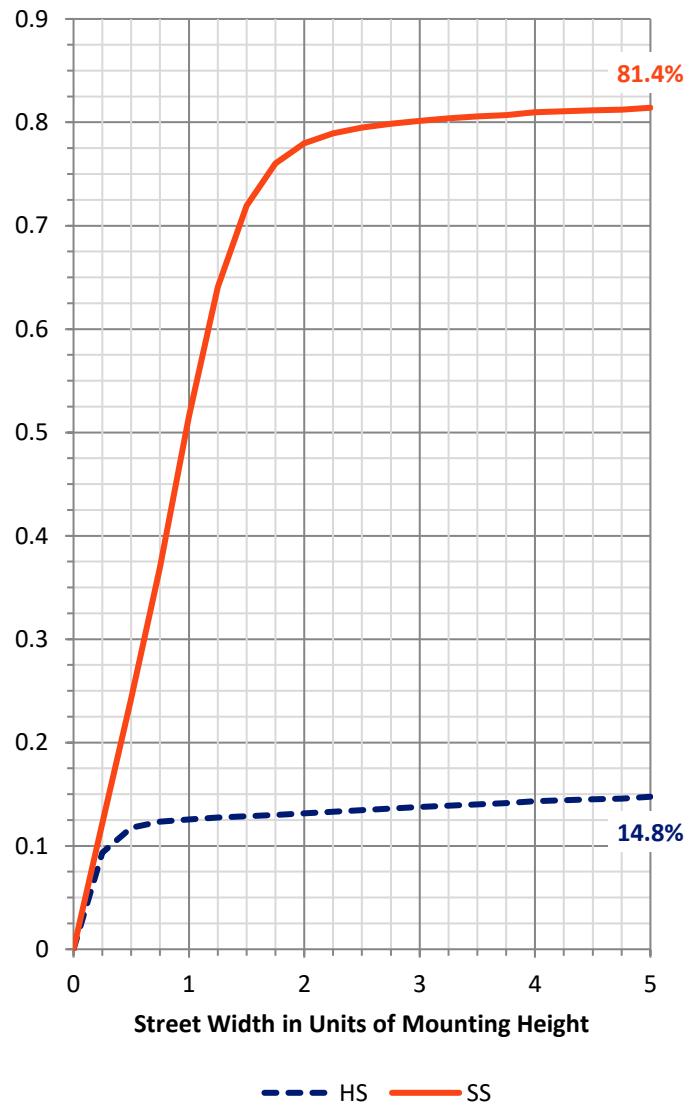
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	572.3	42.7	615.0
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2996.9	45.4	3042.3
	% Fixture	81.9	1.2	83.2
Total	Lumens	3569.1	88.1	3657.3
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.2
10°-20°	82.7	2.3
20°-30°	124.7	3.4
30°-40°	287.2	7.9
40°-50°	640.3	17.5
50°-60°	952.8	26.1
60°-70°	849.7	23.2
70°-80°	477.0	13.0
80°-90°	111.4	3.0
90°-100°	61.1	1.7
100°-110°	14.1	0.4
110°-120°	5.5	0.2
120°-130°	3.7	0.1
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3569.1	97.6
0°-180°	3657.3	100.0



REPORT NUMBER: P560517

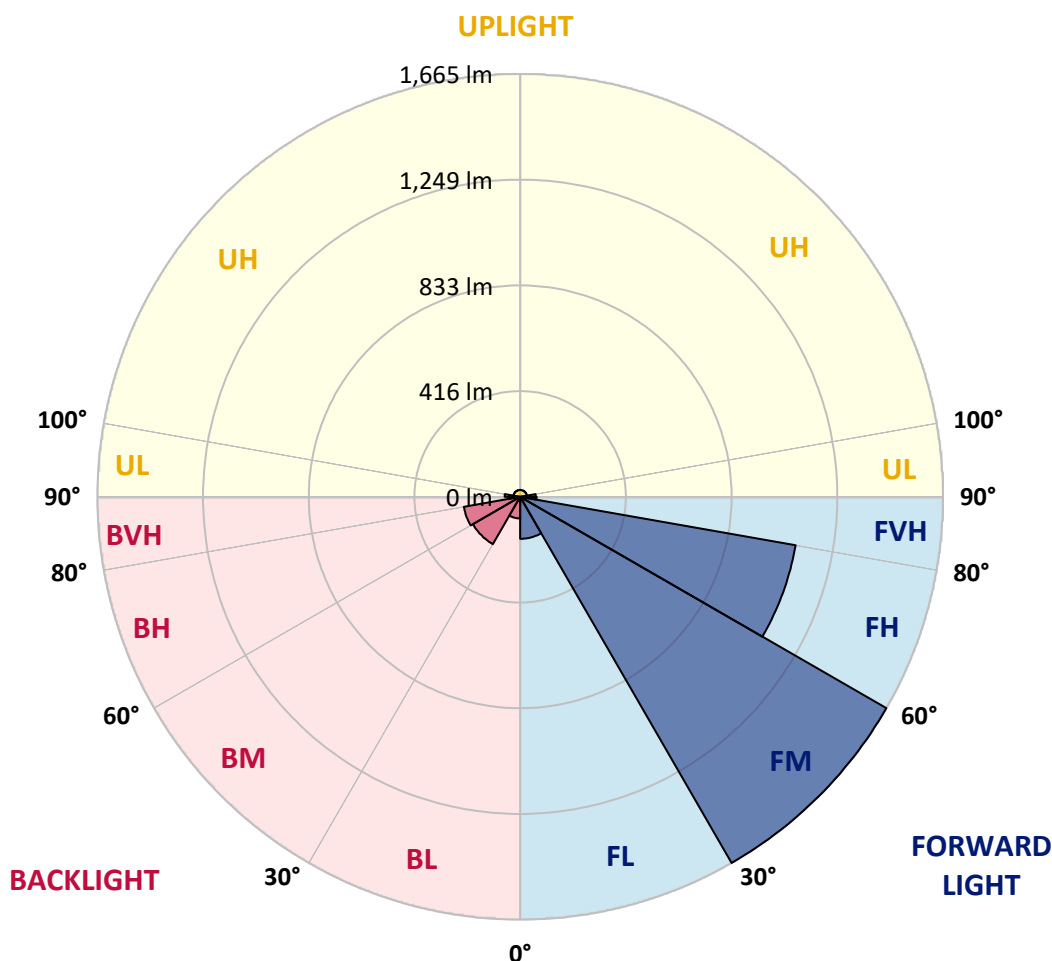
CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.4	4.5			
FM (30°-60°)	1665.2	45.5			
FH (60°-80°)	1101.6	30.1			G1/1800
FVH (80°-90°)	64.6	1.8			G1/100
BL (0°-30°)	85.3	2.3	B0/110		
BM (30°-60°)	215.1	5.9	B0/220		
BH (60°-80°)	225.2	6.2	B1/500		G1/500
BVH (80°-90°)	46.7	1.3			G1/100
UL (90°-100°)	61.1	1.7		U3/500	
UH (100°-180°)	27.0	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





REPORT NUMBER: P560517

CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	478.3	505.6	534.9	554.4	558.3	564.1	564.1	562.2	562.2	560.2	560.2
5°	464.6	462.6	464.6	468.5	466.5	466.5	466.5	544.6	550.5	554.4	554.4
7.5°	400.2	409.9	441.2	452.9	456.8	460.7	460.7	454.8	433.4	480.2	486.1
10°	435.3	433.4	433.4	437.3	408.0	396.3	357.2	351.4	351.4	367.0	417.7
12.5°	365.0	386.5	415.8	427.5	394.3	349.4	339.7	347.5	345.5	302.6	353.3
15°	413.8	413.8	409.9	402.1	310.4	347.5	292.8	292.8	333.8	359.2	404.1
17.5°	335.8	345.5	394.3	388.5	341.6	261.6	341.6	314.3	337.7	316.2	339.7
20°	411.9	409.9	411.9	314.3	347.5	359.2	341.6	306.5	279.1	367.0	406.0
22.5°	339.7	335.8	355.3	388.5	327.9	372.8	312.3	372.8	363.1	326.0	292.8
25°	439.2	437.3	441.2	343.6	384.6	333.8	384.6	333.8	349.4	417.7	427.5
27.5°	396.3	394.3	388.5	419.7	365.0	421.6	363.1	408.0	419.7	452.9	525.1
30°	558.3	550.5	531.0	421.6	429.5	406.0	429.5	501.7	540.7	607.1	628.6
32.5°	814.0	773.0	644.2	558.3	454.8	519.3	486.1	589.5	626.6	659.8	677.4
35°	1052.2	1034.6	940.9	737.9	554.4	573.9	548.5	659.8	681.3	751.5	747.6
37.5°	1378.2	1348.9	1204.4	952.6	696.9	689.1	624.7	751.5	767.2	868.7	849.1
40°	1622.2	1598.7	1485.5	1183.0	886.2	817.9	730.1	878.4	860.9	997.5	970.2
42.5°	1856.4	1842.8	1754.9	1446.5	1095.1	1017.0	839.4	1034.6	1030.7	1149.8	1126.3
45°	2045.8	2030.2	1973.5	1682.7	1335.2	1337.2	1011.2	1206.4	1233.7	1346.9	1286.4
47.5°	2157.0	2123.9	2082.9	1870.1	1577.3	1643.6	1264.9	1401.6	1468.0	1565.6	1473.8
50°	2131.7	2098.5	2102.4	1989.2	1799.8	1907.2	1536.3	1608.5	1741.2	1817.4	1635.8
52.5°	1928.6	1909.1	1973.5	1967.7	1913.0	2149.2	1852.5	1833.0	1963.8	2014.5	1801.8
55°	1639.7	1612.4	1733.4	1819.3	1913.0	2299.5	2145.3	2082.9	2201.9	2194.1	1915.0
57.5°	1245.4	1255.2	1391.8	1526.5	1756.9	2328.8	2362.0	2354.2	2408.9	2342.5	2004.8
60°	851.1	857.0	1050.2	1202.5	1440.6	2174.6	2432.3	2578.7	2572.8	2467.4	2106.3
62.5°	534.9	532.9	679.3	919.4	1036.5	1770.5	2404.9	2748.5	2727.0	2561.1	2184.4
65°	308.4	316.2	368.9	609.0	720.3	1208.3	2246.8	2914.4	2853.9	2645.1	2268.3
67.5°	189.4	195.2	220.6	329.9	470.4	667.6	1911.1	2955.4	2959.3	2713.4	2313.2
70°	160.1	162.0	173.7	203.0	327.9	374.8	1286.4	2764.1	2877.3	2729.0	2299.5
72.5°	134.7	136.6	154.2	177.6	244.0	265.5	577.8	2283.9	2498.6	2609.9	2200.0
75°	99.6	101.5	126.9	162.0	177.6	212.8	316.2	1512.9	1715.9	2063.3	1875.9
77.5°	64.4	66.4	89.8	130.8	150.3	167.9	255.7	706.6	894.0	1192.7	1184.9
80°	42.9	42.9	52.7	91.7	119.1	136.6	222.5	349.4	398.2	491.9	460.7
82.5°	27.3	27.3	33.2	56.6	76.1	136.6	208.9	249.9	242.1	246.0	218.6
85°	11.7	11.7	17.6	31.2	41.0	89.8	187.4	214.7	205.0	205.0	195.2
87.5°	3.9	3.9	5.9	9.8	13.7	27.3	144.5	171.8	165.9	171.8	185.4
90°	3.9	3.9	2.0	3.9	3.9	19.5	117.1	169.8	165.9	173.7	191.3
92.5°	5.9	5.9	2.0	2.0	3.9	15.6	91.7	175.7	169.8	181.5	199.1
95°	9.8	9.8	3.9	2.0	5.9	13.7	56.6	156.2	169.8	179.6	203.0
97.5°	11.7	11.7	3.9	3.9	5.9	11.7	29.3	126.9	130.8	136.6	160.1
100°	15.6	15.6	3.9	3.9	3.9	9.8	15.6	66.4	68.3	48.8	78.1
102.5°	15.6	15.6	3.9	3.9	3.9	5.9	7.8	29.3	27.3	9.8	9.8
105°	17.6	17.6	5.9	3.9	3.9	3.9	3.9	9.8	9.8	5.9	11.7
107.5°	17.6	17.6	5.9	5.9	3.9	3.9	2.0	3.9	5.9	5.9	11.7
110°	13.7	13.7	5.9	5.9	3.9	2.0	2.0	2.0	3.9	5.9	13.7



REPORT NUMBER: P560517
 CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	9.8	9.8	3.9	5.9	3.9	2.0	2.0	2.0	3.9	7.8	19.5
115°	3.9	3.9	2.0	3.9	2.0	2.0	2.0	3.9	3.9	5.9	15.6
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	2.0	5.9	13.7
120°	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	7.8	13.7
122.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	7.8	13.7
125°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	5.9	11.7
127.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9	11.7
130°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9	7.8
132.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9	5.9
135°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	3.9
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.0	2.0	3.9	3.9	2.0	0.0	3.9	2.0	2.0	2.0	2.0
152.5°	3.9	3.9	3.9	3.9	2.0	0.0	2.0	3.9	2.0	2.0	2.0
155°	3.9	3.9	2.0	2.0	2.0	0.0	2.0	2.0	2.0	3.9	5.9
157.5°	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	0.0	0.0
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: P560517

CATALOG NUMBER: SDL-PA1-50-727-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	558.3	558.3	556.3	556.3	550.5	548.5	523.2	495.8	474.4	476.3	476.3
5°	552.4	548.5	542.7	503.6	454.8	447.0	447.0	443.1	441.2	443.1	443.1
7.5°	482.2	478.3	454.8	435.3	437.3	433.4	425.6	423.6	390.4	357.2	355.3
10°	415.8	409.9	347.5	333.8	331.9	345.5	378.7	367.0	355.3	341.6	347.5
12.5°	347.5	345.5	288.9	320.1	279.1	287.0	294.8	283.0	242.1	195.2	201.1
15°	402.1	396.3	327.9	265.5	238.2	240.1	158.1	152.3	123.0	111.3	105.4
17.5°	298.7	327.9	287.0	265.5	240.1	124.9	101.5	78.1	70.3	56.6	58.6
20°	400.2	392.4	327.9	247.9	185.4	105.4	56.6	44.9	54.7	56.6	56.6
22.5°	283.0	275.2	277.2	263.5	130.8	60.5	42.9	44.9	41.0	39.0	39.0
25°	415.8	402.1	335.8	201.1	97.6	39.0	41.0	31.2	37.1	37.1	37.1
27.5°	505.6	458.7	353.3	195.2	54.7	39.0	29.3	31.2	25.4	25.4	25.4
30°	605.1	577.8	462.6	181.5	42.9	31.2	27.3	21.5	23.4	23.4	23.4
32.5°	650.0	612.9	462.6	144.5	37.1	29.3	21.5	19.5	19.5	21.5	21.5
35°	714.5	675.4	460.7	95.7	31.2	23.4	17.6	17.6	17.6	17.6	17.6
37.5°	812.1	755.5	468.5	60.5	25.4	19.5	13.7	15.6	15.6	33.2	33.2
40°	921.4	857.0	447.0	42.9	21.5	15.6	11.7	19.5	27.3	29.3	29.3
42.5°	1060.0	989.7	415.8	37.1	19.5	11.7	9.8	15.6	23.4	37.1	37.1
45°	1225.9	1120.5	372.8	33.2	15.6	9.8	9.8	19.5	29.3	35.1	35.1
47.5°	1374.3	1247.4	298.7	31.2	13.7	7.8	13.7	21.5	25.4	41.0	41.0
50°	1548.0	1380.1	228.4	27.3	11.7	7.8	21.5	23.4	29.3	37.1	37.1
52.5°	1676.8	1491.4	173.7	25.4	11.7	5.9	21.5	21.5	33.2	42.9	42.9
55°	1780.3	1551.9	124.9	21.5	9.8	5.9	25.4	27.3	29.3	33.2	33.2
57.5°	1860.3	1594.8	97.6	19.5	9.8	13.7	31.2	35.1	31.2	33.2	33.2
60°	1952.1	1616.3	72.2	17.6	7.8	13.7	37.1	46.8	35.1	50.8	48.8
62.5°	2036.0	1631.9	58.6	17.6	7.8	15.6	41.0	58.6	46.8	68.3	70.3
65°	2141.4	1651.4	48.8	13.7	7.8	21.5	48.8	78.1	62.5	89.8	93.7
67.5°	2211.7	1663.2	41.0	13.7	7.8	25.4	68.3	101.5	78.1	113.2	117.1
70°	2219.5	1620.2	33.2	13.7	7.8	39.0	93.7	123.0	97.6	144.5	146.4
72.5°	2118.0	1497.2	27.3	15.6	7.8	42.9	109.3	142.5	115.2	191.3	193.3
75°	1712.0	1050.2	25.4	15.6	7.8	54.7	119.1	156.2	128.8	199.1	203.0
77.5°	1052.2	486.1	23.4	17.6	11.7	60.5	121.0	165.9	134.7	199.1	205.0
80°	408.0	240.1	21.5	19.5	27.3	68.3	130.8	167.9	134.7	185.4	193.3
82.5°	189.4	140.5	21.5	21.5	35.1	70.3	128.8	156.2	124.9	165.9	164.0
85°	169.8	138.6	23.4	23.4	37.1	60.5	101.5	132.7	107.4	130.8	130.8
87.5°	165.9	136.6	25.4	29.3	37.1	35.1	78.1	113.2	91.7	97.6	97.6
90°	169.8	142.5	27.3	33.2	31.2	19.5	62.5	93.7	70.3	62.5	60.5
92.5°	181.5	144.5	33.2	39.0	29.3	15.6	52.7	76.1	50.8	41.0	39.0
95°	191.3	148.4	41.0	46.8	31.2	13.7	46.8	60.5	37.1	25.4	23.4
97.5°	160.1	115.2	46.8	50.8	31.2	13.7	41.0	48.8	29.3	13.7	13.7
100°	68.3	50.8	48.8	54.7	29.3	11.7	35.1	39.0	19.5	5.9	7.8
102.5°	13.7	15.6	42.9	50.8	23.4	7.8	23.4	23.4	13.7	2.0	3.9
105°	13.7	11.7	27.3	42.9	13.7	3.9	9.8	13.7	5.9	2.0	2.0
107.5°	13.7	13.7	9.8	21.5	5.9	3.9	3.9	5.9	3.9	2.0	2.0
110°	15.6	13.7	3.9	5.9	3.9	3.9	3.9	3.9	2.0	9.8	11.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.5	17.6	3.9	5.9	5.9	3.9	2.0	2.0	3.9	13.7	15.6
115°	17.6	15.6	5.9	5.9	3.9	3.9	2.0	2.0	3.9	15.6	17.6
117.5°	13.7	13.7	5.9	3.9	3.9	3.9	2.0	2.0	3.9	15.6	15.6
120°	15.6	13.7	5.9	3.9	2.0	2.0	2.0	2.0	3.9	11.7	11.7
122.5°	15.6	13.7	5.9	3.9	2.0	2.0	2.0	2.0	3.9	11.7	13.7
125°	13.7	11.7	5.9	3.9	2.0	2.0	2.0	2.0	5.9	11.7	11.7
127.5°	11.7	9.8	3.9	2.0	2.0	2.0	2.0	2.0	5.9	9.8	9.8
130°	7.8	7.8	3.9	2.0	2.0	2.0	2.0	2.0	5.9	7.8	7.8
132.5°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	7.8
135°	5.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	2.0	2.0	3.9	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	5.9	5.9	5.9	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
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)