

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: P560384

Luminaire Tested: **SDL-PA1-40-740-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-740-U-T2U-A
Description: Springdale
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4712.8 lumens
Efficiency: N/A
Efficacy: 119.6 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: B2 - U3 - G2

Input Watts (W): 39.4
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



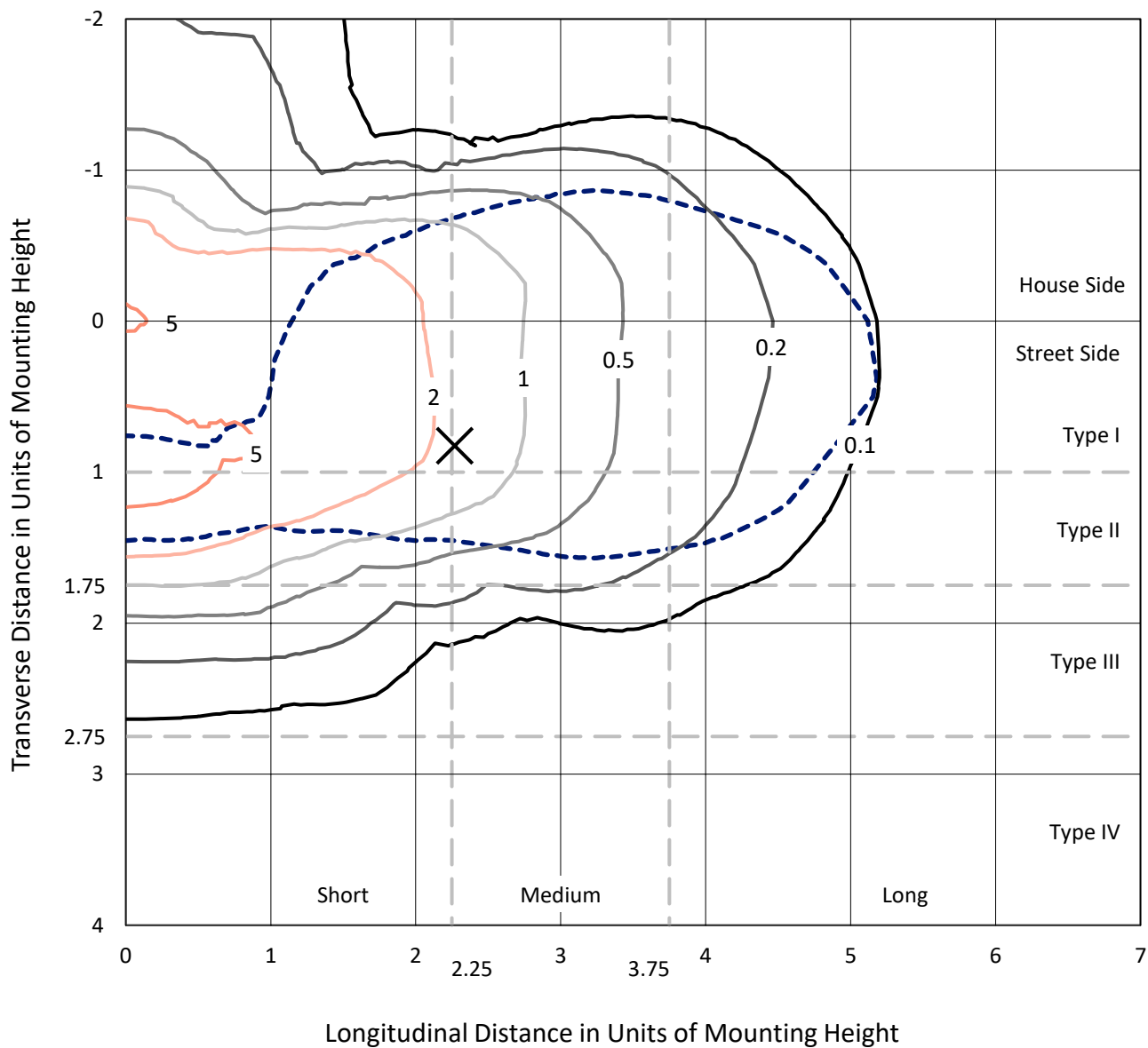
REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



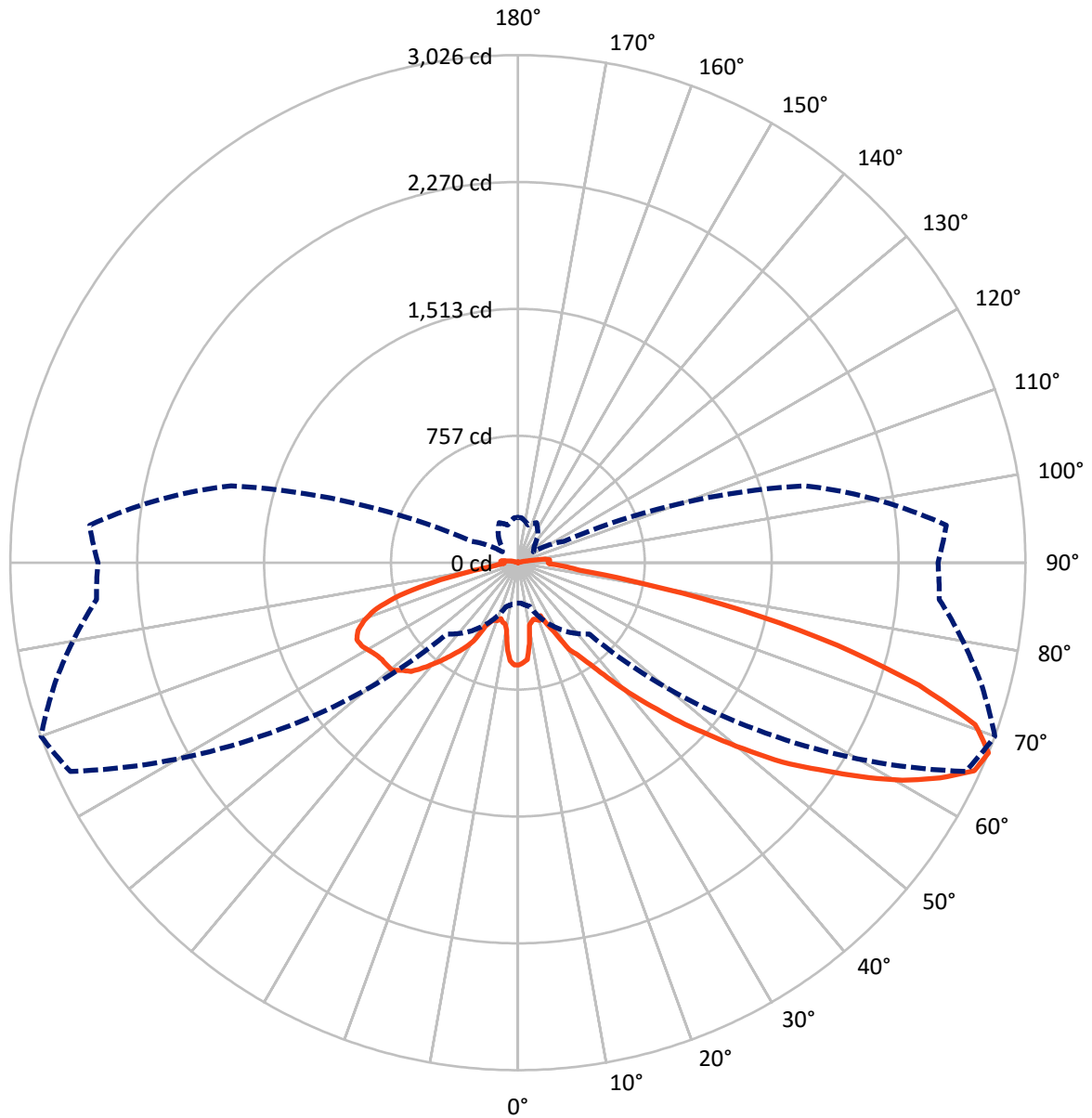
Based on 10 foot mounting height. Maximum calculated value = 7.9 fc

Type II - Medium - N/A

REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

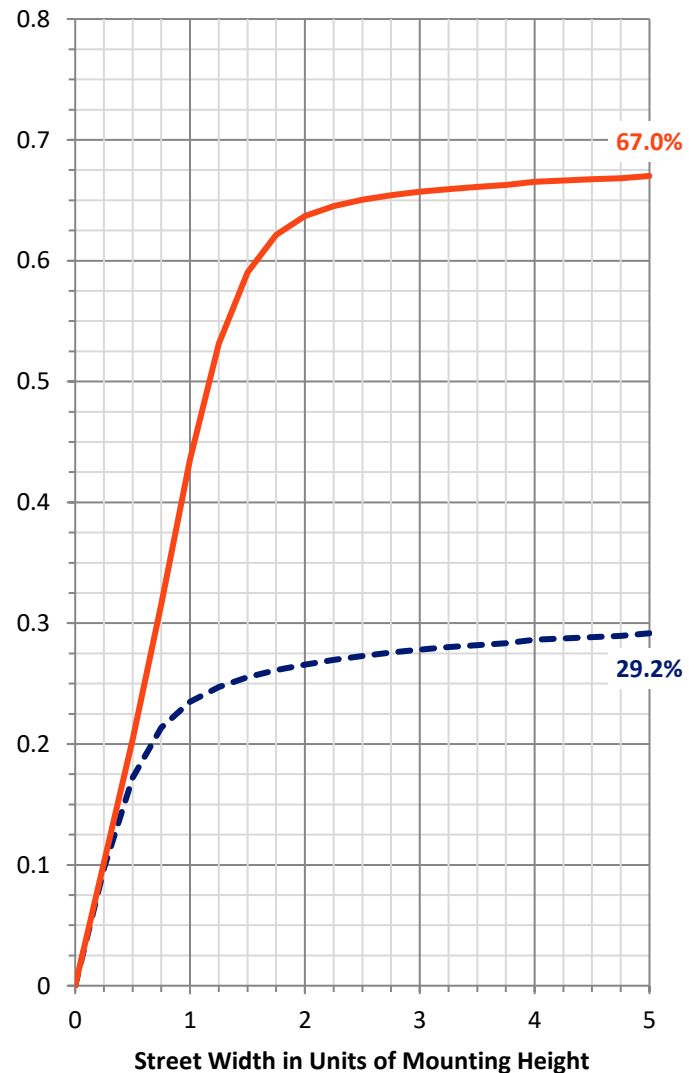
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1417.5	55.6	1473.1
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	3185.9	53.7	3239.7
	% Fixture	67.6	1.1	68.7
Total	Lumens	4603.4	109.4	4712.8
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	1.0
10°-20°	113.1	2.4
20°-30°	200.6	4.3
30°-40°	422.6	9.0
40°-50°	790.1	16.8
50°-60°	1094.3	23.2
60°-70°	1055.2	22.4
70°-80°	693.7	14.7
80°-90°	184.9	3.9
90°-100°	75.8	1.6
100°-110°	16.6	0.4
110°-120°	7.2	0.2
120°-130°	5.2	0.1
130°-140°	2.3	0.0
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4603.4	97.7
0°-180°	4712.8	100.0



REPORT NUMBER: P560384

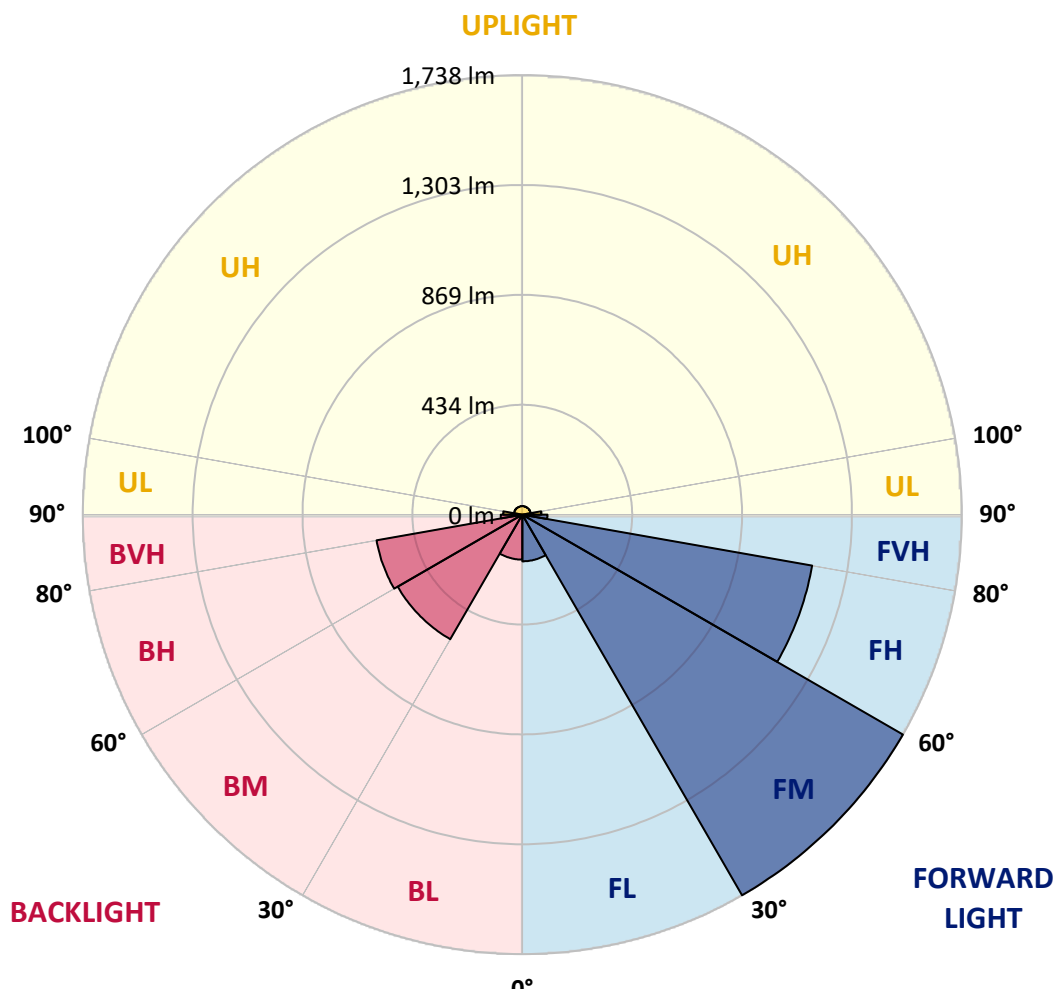
CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.7	3.9			
FM	(30°-60°)	1738.0	36.9			
FH	(60°-80°)	1163.8	24.7			G1/1800
FVH	(80°-90°)	99.5	2.1			G1/100
BL	(0°-30°)	177.8	3.8	B1/500		
BM	(30°-60°)	569.1	12.1	B1/1000		
BH	(60°-80°)	585.2	12.4	B2/1000		G2/1000
BVH	(80°-90°)	85.4	1.8			G1/100
UL	(90°-100°)	75.8	1.6		U3/500	
UH	(100°-180°)	33.5	0.7		U2/50	

BUG Rating: B2-U3-G2

Type II Medium



REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9
2.5°	509.2	550.5	537.9	577.5	586.5	595.5	597.3	599.1	597.3	599.1	602.7
5°	480.4	482.2	484.0	487.6	487.6	491.2	498.4	573.9	581.1	586.5	593.7
7.5°	401.2	419.2	453.4	466.0	471.4	478.6	482.2	482.2	489.4	507.4	520.0
10°	446.2	442.6	444.4	446.2	421.0	415.6	377.8	372.4	377.8	390.4	449.8
12.5°	374.2	392.2	430.0	439.0	408.4	361.6	356.2	363.4	361.6	325.6	381.4
15°	433.6	431.8	428.2	421.0	341.8	358.0	307.7	311.3	349.0	374.2	426.4
17.5°	377.8	376.0	426.4	412.0	359.8	278.9	350.8	325.6	356.2	329.2	352.6
20°	469.6	467.8	462.4	343.6	367.0	370.6	340.0	314.8	367.0	379.6	428.2
22.5°	426.4	426.4	460.6	451.6	372.4	392.2	323.8	383.2	343.6	349.0	323.8
25°	586.5	581.1	573.9	419.2	448.0	359.8	401.2	352.6	410.2	444.4	466.0
27.5°	568.5	557.7	550.5	555.9	449.8	471.4	397.6	439.0	473.2	487.6	543.3
30°	798.8	784.4	762.8	582.9	559.5	482.2	480.4	543.3	599.1	644.1	674.7
32.5°	1018.3	1021.9	910.4	782.6	618.9	644.1	572.1	636.9	654.9	701.7	719.7
35°	1306.2	1270.2	1200.0	976.9	753.8	728.6	665.7	726.9	744.8	789.8	800.6
37.5°	1532.9	1534.7	1426.7	1174.8	903.2	881.6	771.8	834.8	867.2	917.6	899.6
40°	1750.6	1759.6	1673.2	1378.1	1092.1	1032.7	899.6	973.3	1018.3	1048.9	1018.3
42.5°	1944.9	1943.1	1883.7	1603.0	1268.4	1234.2	1034.5	1129.9	1169.4	1198.2	1174.8
45°	2097.8	2092.4	2038.4	1786.5	1477.1	1523.9	1210.8	1309.8	1351.2	1383.5	1326.0
47.5°	2150.0	2121.2	2097.8	1919.7	1671.4	1779.3	1428.5	1484.3	1532.9	1588.6	1495.1
50°	2094.2	2056.4	2065.4	1982.6	1835.1	1993.4	1662.4	1685.8	1745.2	1793.7	1655.2
52.5°	1862.1	1853.1	1903.5	1919.7	1905.3	2157.2	1925.1	1858.5	1975.5	1980.8	1820.7
55°	1556.3	1545.5	1664.2	1730.8	1838.7	2221.9	2148.2	2101.4	2177.0	2168.0	1968.3
57.5°	1254.0	1246.8	1354.7	1464.5	1651.6	2185.9	2304.7	2367.7	2405.4	2355.1	2105.0
60°	840.2	854.6	1039.9	1187.4	1351.2	1970.1	2364.1	2615.9	2633.9	2526.0	2248.9
62.5°	536.1	555.9	674.7	915.8	1009.3	1599.4	2320.9	2837.2	2826.4	2680.7	2382.1
65°	343.6	350.8	408.4	620.7	723.3	1059.7	2128.4	2988.4	2990.2	2819.2	2488.2
67.5°	241.1	242.9	269.9	386.8	500.2	602.7	1730.8	2945.2	3026.1	2866.0	2522.4
70°	215.9	217.7	224.9	262.7	379.6	374.2	1048.9	2632.1	2893.0	2804.9	2470.2
72.5°	192.5	194.3	206.9	228.5	291.5	293.3	502.0	2096.0	2500.8	2587.2	2315.5
75°	160.1	163.7	178.1	214.1	224.9	246.5	336.4	1473.5	1968.3	2229.1	2132.0
77.5°	134.9	136.7	147.5	181.7	196.1	199.7	287.9	816.8	1360.1	1640.8	1878.3
80°	107.9	107.9	116.9	143.9	161.9	163.7	257.3	431.8	753.8	993.1	1306.2
82.5°	70.2	72.0	82.8	107.9	120.5	161.9	228.5	314.8	368.8	478.6	593.7
85°	45.0	45.0	52.2	61.2	72.0	124.1	201.5	260.9	275.3	300.5	269.9
87.5°	21.6	21.6	19.8	23.4	27.0	46.8	140.3	185.3	187.1	183.5	197.9
90°	18.0	18.0	14.4	16.2	18.0	25.2	106.1	181.7	179.9	187.1	205.1
92.5°	19.8	19.8	14.4	16.2	18.0	21.6	77.4	183.5	188.9	197.9	217.7
95°	21.6	21.6	14.4	14.4	16.2	19.8	48.6	158.3	190.7	199.7	224.9
97.5°	19.8	19.8	10.8	12.6	14.4	18.0	30.6	118.7	149.3	156.5	178.1
100°	18.0	18.0	9.0	10.8	12.6	14.4	19.8	61.2	64.8	48.6	68.4
102.5°	16.2	18.0	7.2	9.0	9.0	9.0	12.6	28.8	28.8	16.2	18.0
105°	16.2	18.0	7.2	7.2	5.4	7.2	7.2	10.8	12.6	9.0	14.4
107.5°	18.0	18.0	7.2	7.2	5.4	5.4	5.4	7.2	9.0	7.2	14.4



REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	10.8	10.8	5.4	7.2	3.6	3.6	3.6	5.4	7.2	9.0	19.8
115°	9.0	7.2	3.6	5.4	3.6	3.6	3.6	5.4	5.4	7.2	16.2
117.5°	9.0	7.2	3.6	3.6	1.8	3.6	3.6	5.4	5.4	7.2	14.4
120°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	3.6	5.4	9.0	16.2
122.5°	10.8	9.0	3.6	3.6	1.8	1.8	1.8	3.6	5.4	9.0	16.2
125°	10.8	10.8	5.4	3.6	1.8	1.8	1.8	3.6	5.4	7.2	14.4
127.5°	10.8	9.0	5.4	3.6	1.8	1.8	1.8	1.8	3.6	5.4	12.6
130°	9.0	9.0	5.4	1.8	1.8	1.8	1.8	1.8	3.6	3.6	9.0
132.5°	7.2	7.2	5.4	1.8	1.8	1.8	1.8	1.8	1.8	3.6	7.2
135°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	5.4
137.5°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8
150°	3.6	3.6	7.2	5.4	3.6	1.8	3.6	1.8	1.8	1.8	1.8
152.5°	5.4	5.4	7.2	5.4	1.8	1.8	1.8	3.6	1.8	1.8	1.8
155°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	3.6	3.6	5.4
157.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	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

REPORT NUMBER: P560384

CATALOG NUMBER: SDL-PA1-40-740-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9	609.9
2.5°	604.5	604.5	609.9	611.7	609.9	608.1	597.3	564.9	545.1	546.9	546.9
5°	595.5	597.3	602.7	570.3	530.7	534.3	539.7	541.5	541.5	545.1	545.1
7.5°	525.3	527.1	512.8	518.2	530.7	539.7	543.3	534.3	505.6	494.8	494.8
10°	455.2	455.2	404.8	406.6	421.0	448.0	532.5	541.5	550.5	552.3	550.5
12.5°	385.0	386.8	345.4	397.6	379.6	428.2	491.2	543.3	502.0	460.6	466.0
15°	430.0	433.6	388.6	341.8	350.8	422.8	367.0	503.8	507.4	507.4	507.4
17.5°	345.4	365.2	343.6	352.6	388.6	318.4	415.6	460.6	422.8	412.0	412.0
20°	430.0	430.0	392.2	340.0	359.8	413.8	368.8	410.2	482.2	482.2	480.4
22.5°	320.2	320.2	343.6	394.0	361.6	408.4	390.4	424.6	383.2	383.2	394.0
25°	462.4	457.0	417.4	349.0	412.0	377.8	392.2	370.6	433.6	439.0	435.4
27.5°	557.7	554.1	448.0	401.2	386.8	403.0	352.6	345.4	332.8	383.2	377.8
30°	660.3	651.3	586.5	484.0	424.6	340.0	318.4	331.0	367.0	368.8	367.0
32.5°	708.9	689.1	617.1	579.3	433.6	350.8	286.1	295.1	365.2	386.8	386.8
35°	775.4	753.8	672.9	631.5	431.8	309.5	253.7	286.1	329.2	331.0	331.0
37.5°	867.2	834.8	766.4	662.1	403.0	273.5	233.9	253.7	284.3	293.3	296.9
40°	973.3	932.0	870.8	681.9	361.6	230.3	208.7	233.9	257.3	250.1	250.1
42.5°	1122.7	1061.5	973.3	712.5	309.5	203.3	190.7	214.1	230.3	233.9	232.1
45°	1263.0	1187.4	1093.9	723.3	251.9	183.5	178.1	203.3	219.5	214.1	214.1
47.5°	1421.3	1326.0	1183.8	698.1	206.9	172.7	178.1	196.1	203.3	212.3	212.3
50°	1577.8	1475.3	1315.2	658.5	183.5	165.5	178.1	188.9	203.3	208.7	206.9
52.5°	1720.0	1630.0	1394.3	588.3	170.9	160.1	172.7	188.9	206.9	215.9	215.9
55°	1874.7	1782.9	1466.3	525.3	160.1	149.3	178.1	196.1	201.5	206.9	206.9
57.5°	1991.6	1919.7	1545.5	469.6	152.9	149.3	181.7	205.1	203.3	208.7	208.7
60°	2133.8	2070.8	1617.4	442.6	142.1	142.1	188.9	221.3	206.9	223.1	223.1
62.5°	2284.9	2247.1	1687.6	422.8	131.3	138.5	190.7	233.9	214.1	239.3	241.1
65°	2430.6	2437.8	1752.4	376.0	122.3	138.5	194.3	250.1	221.3	253.7	257.3
67.5°	2504.4	2563.8	1770.3	302.3	113.3	136.7	205.1	262.7	232.1	268.1	269.9
70°	2490.0	2567.4	1729.0	223.1	106.1	143.9	221.3	273.5	237.5	286.1	286.1
72.5°	2364.1	2419.8	1606.6	169.1	99.0	138.5	224.9	277.1	241.1	314.8	314.8
75°	2185.9	2128.4	1322.4	140.3	93.6	138.5	219.5	273.5	237.5	307.7	305.9
77.5°	1896.3	1703.8	912.2	124.1	88.2	133.1	205.1	266.3	226.7	286.1	289.7
80°	1216.2	1048.9	466.0	107.9	93.6	127.7	197.9	246.5	210.5	255.5	257.3
82.5°	554.1	466.0	212.3	95.4	91.8	115.1	179.9	219.5	183.5	217.7	215.9
85°	233.9	237.5	167.3	81.0	81.0	90.0	133.1	170.9	142.1	152.9	149.3
87.5°	181.7	174.5	115.1	48.6	52.2	39.6	86.4	122.3	93.6	99.0	97.2
90°	192.5	188.9	122.3	50.4	37.8	23.4	64.8	95.4	70.2	63.0	61.2
92.5°	205.1	203.3	136.7	54.0	37.8	19.8	55.8	77.4	50.4	43.2	41.4
95°	219.5	219.5	149.3	57.6	37.8	19.8	50.4	59.4	37.8	28.8	27.0
97.5°	174.5	178.1	127.7	59.4	36.0	19.8	45.0	48.6	28.8	16.2	16.2
100°	70.2	77.4	70.2	59.4	32.4	16.2	36.0	37.8	19.8	9.0	9.0
102.5°	16.2	19.8	48.6	52.2	25.2	10.8	23.4	23.4	12.6	5.4	5.4
105°	16.2	14.4	32.4	41.4	14.4	7.2	10.8	14.4	7.2	3.6	3.6
107.5°	16.2	16.2	14.4	19.8	7.2	5.4	5.4	5.4	3.6	3.6	3.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.6	19.8	9.0	7.2	5.4	5.4	3.6	3.6	5.4	18.0	18.0
115°	18.0	16.2	9.0	5.4	5.4	5.4	3.6	1.8	5.4	19.8	19.8
117.5°	16.2	14.4	9.0	5.4	3.6	5.4	3.6	1.8	5.4	19.8	19.8
120°	18.0	16.2	9.0	5.4	3.6	3.6	3.6	1.8	5.4	18.0	18.0
122.5°	18.0	18.0	10.8	3.6	3.6	1.8	3.6	1.8	5.4	16.2	16.2
125°	16.2	14.4	9.0	3.6	1.8	1.8	1.8	1.8	7.2	14.4	16.2
127.5°	14.4	12.6	7.2	3.6	1.8	1.8	1.8	1.8	5.4	10.8	12.6
130°	10.8	10.8	5.4	3.6	1.8	1.8	1.8	1.8	5.4	10.8	9.0
132.5°	7.2	7.2	5.4	3.6	1.8	1.8	1.8	1.8	5.4	7.2	7.2
135°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	3.6	5.4	5.4
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	3.6
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	1.8	1.8	3.6	1.8	1.8	3.6	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	3.6	1.8	1.8	1.8	1.8	5.4	5.4	3.6
155°	5.4	5.4	3.6	1.8	1.8	1.8	1.8	1.8	3.6	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	0.0	0.0	1.8	0.0
160°	0.0	0.0	1.8	1.8	1.8	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

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110°	16.2	16.2	5.4	7.2	3.6	3.6	3.6	5.4	7.2	16.2
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110°		18.0	16.2	7.2	7.2	5.4	5.4	3.6	3.6	1.8	10.8	12.6
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(END OF REPORT)