

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: P560407

Luminaire Tested: **SDL-PA1-40-750-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560407
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-PA1-40-750-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA 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: 3370.4 lumens
Efficiency: N/A
Efficacy: 85.5 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): 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



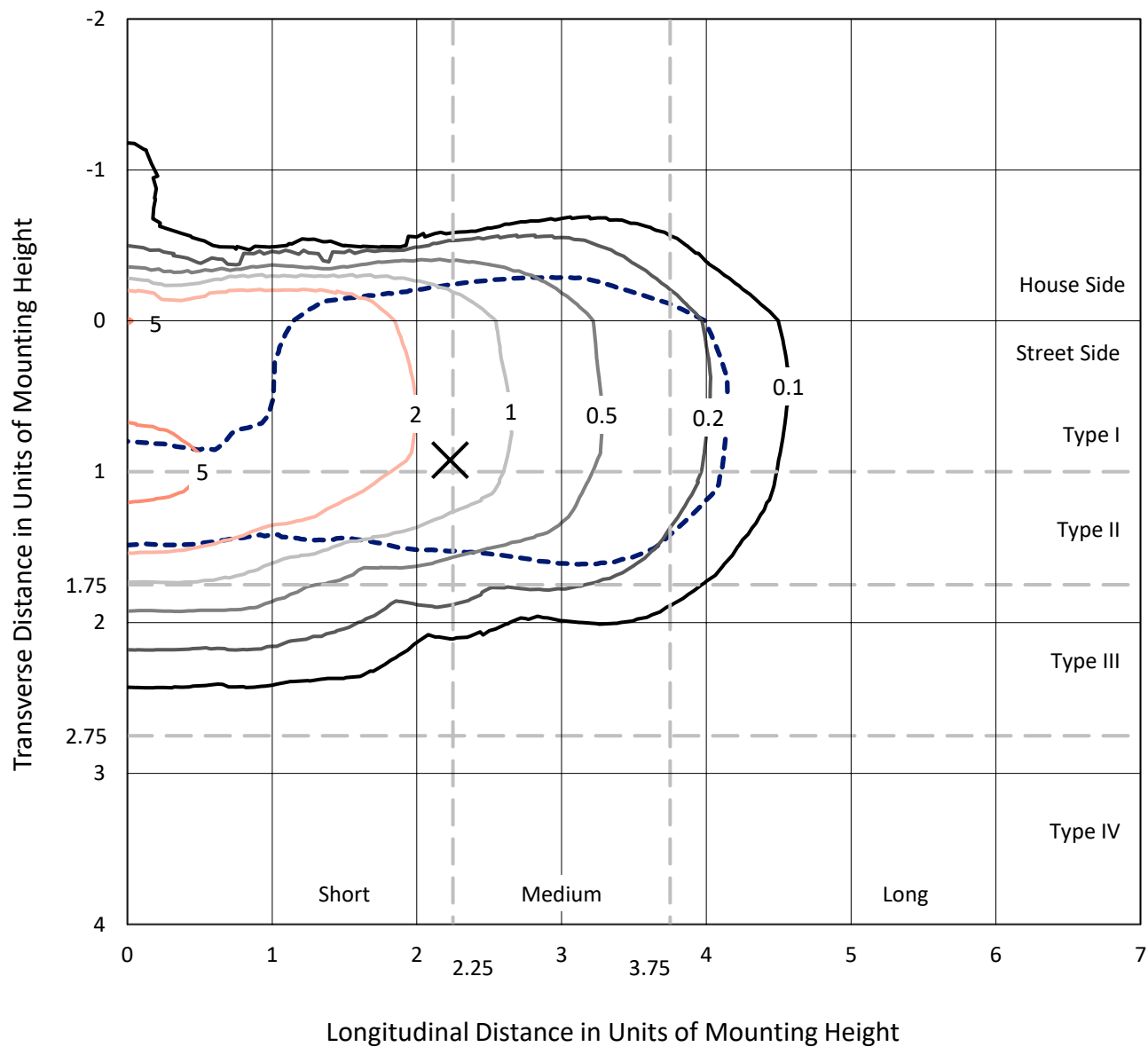
REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



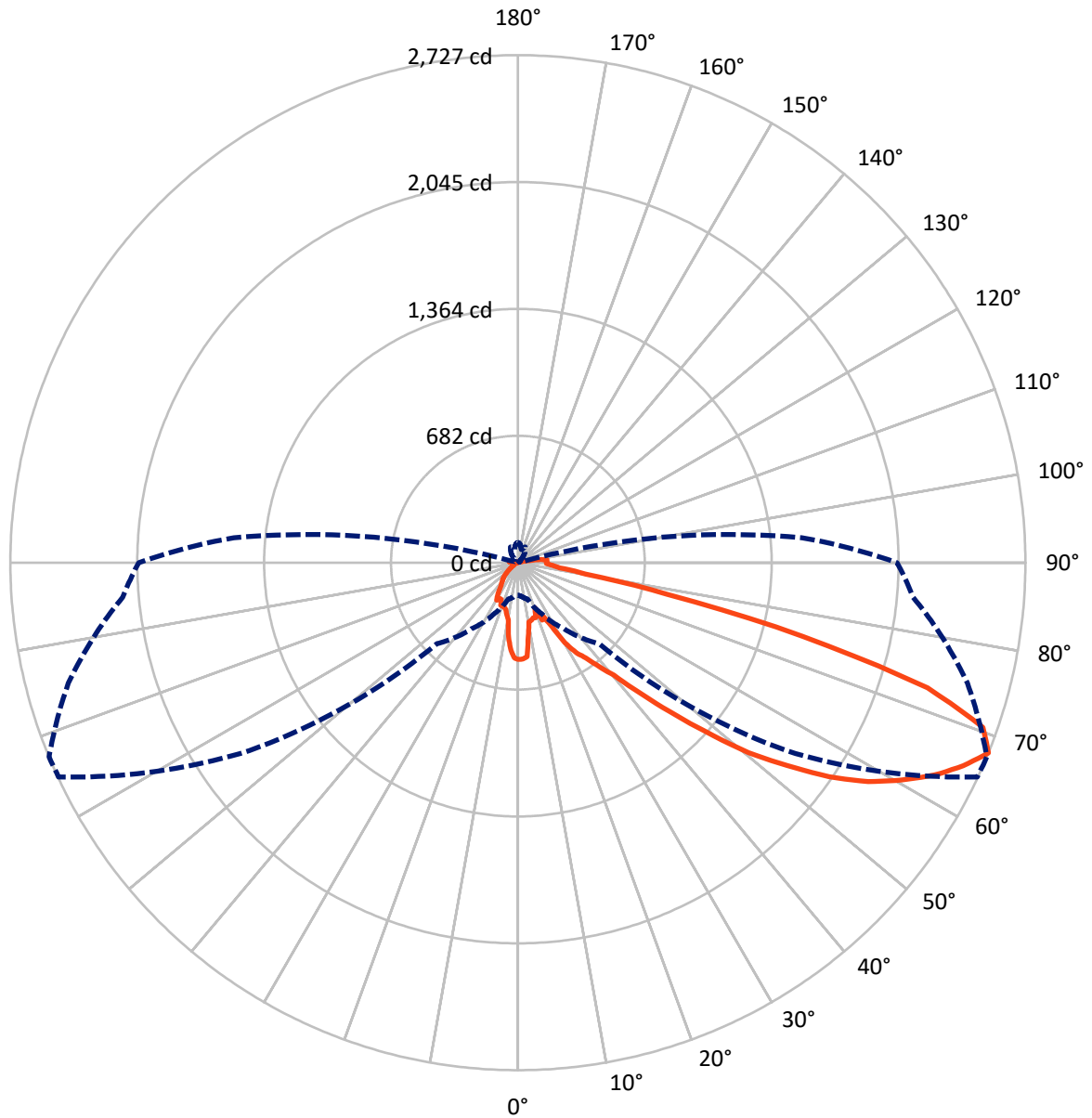
Based on 10 foot mounting height. Maximum calculated value = 6.8 fc

Type II - Short - N/A

REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

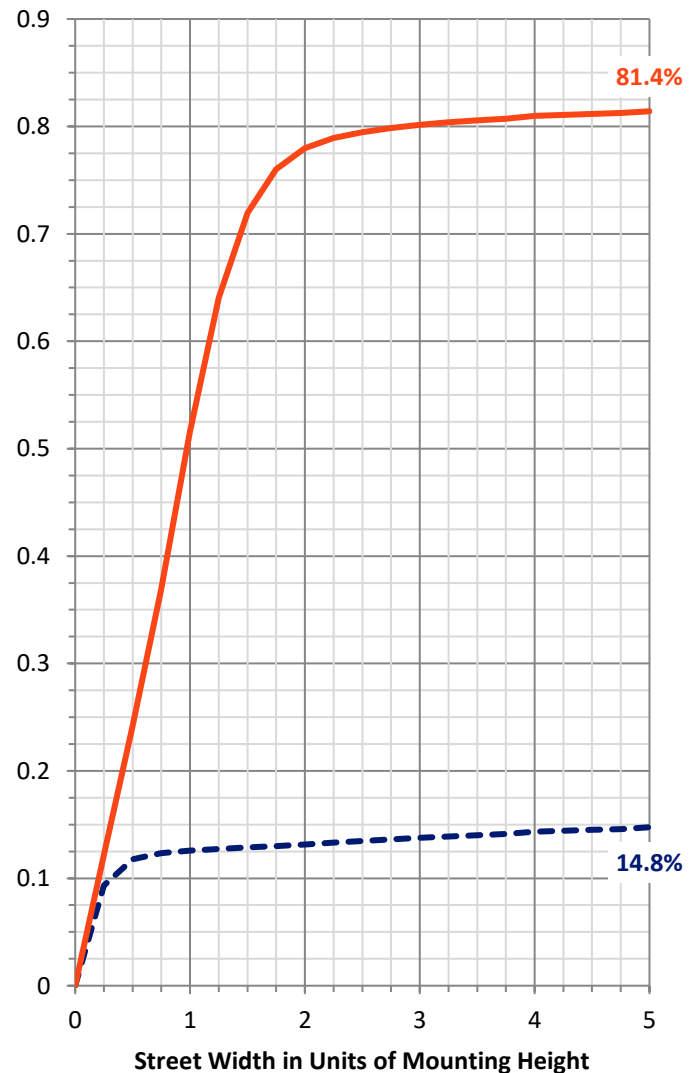
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	527.4	39.3	566.7
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2761.9	41.8	2803.7
	% Fixture	81.9	1.2	83.2
Total	Lumens	3289.3	81.1	3370.4
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.9	1.2
10°-20°	76.2	2.3
20°-30°	115.0	3.4
30°-40°	264.7	7.9
40°-50°	590.1	17.5
50°-60°	878.1	26.1
60°-70°	783.1	23.2
70°-80°	439.6	13.0
80°-90°	102.6	3.0
90°-100°	56.4	1.7
100°-110°	13.0	0.4
110°-120°	5.1	0.2
120°-130°	3.4	0.1
130°-140°	1.8	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3289.3	97.6
0°-180°	3370.4	100.0



REPORT NUMBER: P560407

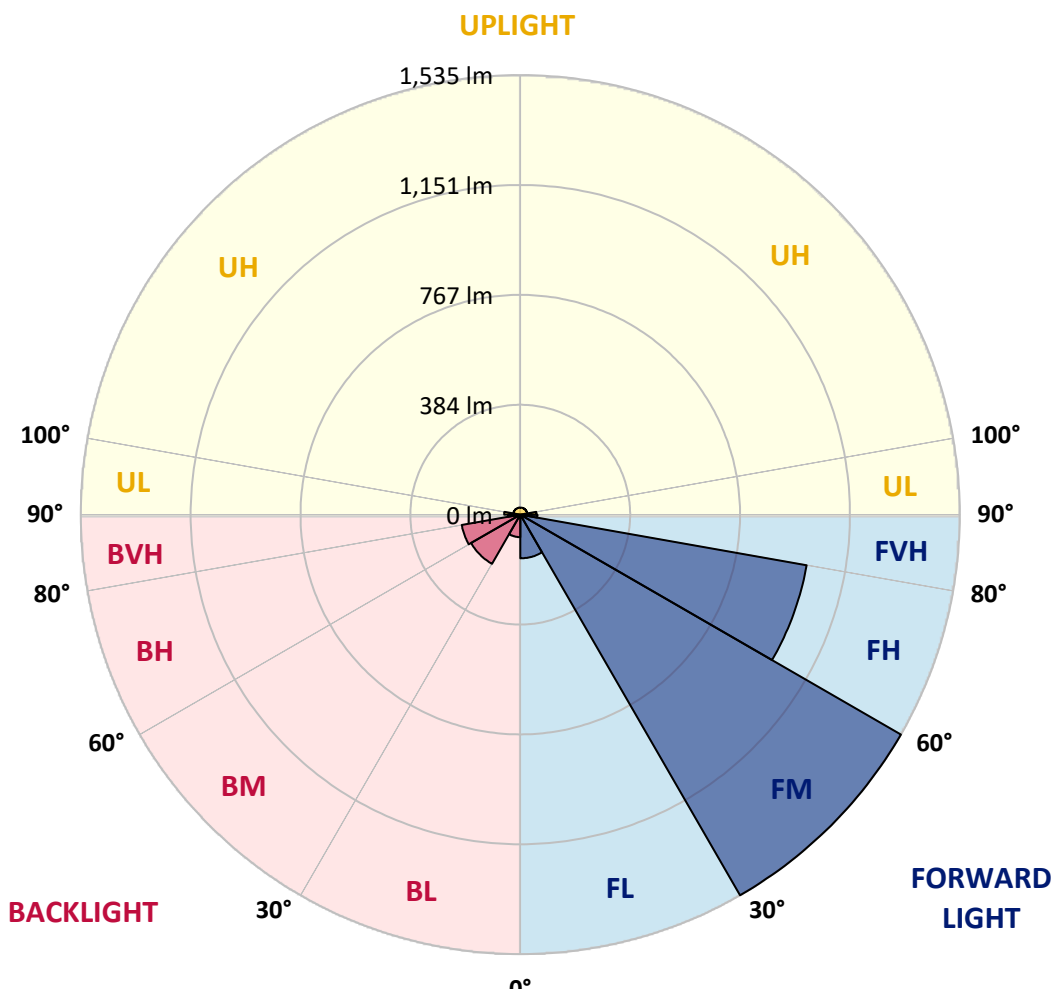
CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	152.5	4.5			
FM	(30°-60°)	1534.6	45.5			
FH	(60°-80°)	1015.2	30.1			G1/1800
FVH	(80°-90°)	59.6	1.8			G1/100
BL	(0°-30°)	78.6	2.3	B0/110		
BM	(30°-60°)	198.2	5.9	B0/220		
BH	(60°-80°)	207.5	6.2	B1/500		G1/500
BVH	(80°-90°)	43.1	1.3			G1/100
UL	(90°-100°)	56.4	1.7		U3/500	
UH	(100°-180°)	24.8	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9
2.5°	440.8	465.9	492.9	510.9	514.5	519.9	519.9	518.1	518.1	516.3	516.3
5°	428.2	426.4	428.2	431.8	430.0	430.0	430.0	501.9	507.3	510.9	510.9
7.5°	368.8	377.8	406.6	417.4	421.0	424.6	424.6	419.2	399.4	442.5	447.9
10°	401.2	399.4	399.4	403.0	376.0	365.2	329.2	323.8	323.8	338.2	385.0
12.5°	336.4	356.2	383.2	394.0	363.4	322.0	313.0	320.2	318.4	278.8	325.6
15°	381.4	381.4	377.8	370.6	286.0	320.2	269.8	269.8	307.6	331.0	372.4
17.5°	309.4	318.4	363.4	358.0	314.8	241.1	314.8	289.6	311.2	291.4	313.0
20°	379.6	377.8	379.6	289.6	320.2	331.0	314.8	282.4	257.3	338.2	374.2
22.5°	313.0	309.4	327.4	358.0	302.2	343.6	287.8	343.6	334.6	300.4	269.8
25°	404.8	403.0	406.6	316.6	354.4	307.6	354.4	307.6	322.0	385.0	394.0
27.5°	365.2	363.4	358.0	386.8	336.4	388.6	334.6	376.0	386.8	417.4	483.9
30°	514.5	507.3	489.3	388.6	395.8	374.2	395.8	462.3	498.3	559.5	579.3
32.5°	750.2	712.4	593.7	514.5	419.2	478.5	447.9	543.3	577.5	608.1	624.2
35°	969.7	953.5	867.1	680.0	510.9	528.9	505.5	608.1	627.8	692.6	689.0
37.5°	1270.1	1243.1	1110.0	877.9	642.2	635.0	575.7	692.6	707.0	800.5	782.6
40°	1495.0	1473.4	1369.0	1090.2	816.7	753.8	672.8	809.5	793.4	919.3	894.1
42.5°	1710.8	1698.2	1617.3	1333.0	1009.2	937.3	773.6	953.5	949.9	1059.6	1038.0
45°	1885.3	1870.9	1818.8	1550.7	1230.5	1232.3	931.9	1111.8	1137.0	1241.3	1185.5
47.5°	1987.9	1957.3	1919.5	1723.4	1453.6	1514.7	1165.7	1291.7	1352.8	1442.8	1358.2
50°	1964.5	1933.9	1937.5	1833.2	1658.7	1757.6	1415.8	1482.4	1604.7	1674.9	1507.5
52.5°	1777.4	1759.4	1818.8	1813.4	1763.0	1980.7	1707.2	1689.2	1809.8	1856.5	1660.5
55°	1511.1	1486.0	1597.5	1676.7	1763.0	2119.2	1977.1	1919.5	2029.3	2022.1	1764.8
57.5°	1147.8	1156.7	1282.7	1406.8	1619.1	2146.2	2176.8	2169.6	2219.9	2158.8	1847.6
60°	784.4	789.8	967.9	1108.2	1327.6	2004.1	2241.5	2376.5	2371.1	2273.9	1941.1
62.5°	492.9	491.1	626.0	847.3	955.3	1631.7	2216.3	2533.0	2513.2	2360.3	2013.1
65°	284.2	291.4	340.0	561.3	663.8	1113.6	2070.6	2685.9	2630.1	2437.6	2090.4
67.5°	174.5	179.9	203.3	304.0	433.6	615.3	1761.2	2723.7	2727.3	2500.6	2131.8
70°	147.5	149.3	160.1	187.1	302.2	345.4	1185.5	2547.4	2651.7	2515.0	2119.2
72.5°	124.1	125.9	142.1	163.7	224.9	244.7	532.5	2104.8	2302.7	2405.2	2027.5
75°	91.7	93.5	116.9	149.3	163.7	196.1	291.4	1394.2	1581.3	1901.5	1728.8
77.5°	59.4	61.2	82.8	120.5	138.5	154.7	235.7	651.2	823.9	1099.2	1092.0
80°	39.6	39.6	48.6	84.6	109.7	125.9	205.1	322.0	367.0	453.3	424.6
82.5°	25.2	25.2	30.6	52.2	70.2	125.9	192.5	230.3	223.1	226.7	201.5
85°	10.8	10.8	16.2	28.8	37.8	82.8	172.7	197.9	188.9	188.9	179.9
87.5°	3.6	3.6	5.4	9.0	12.6	25.2	133.1	158.3	152.9	158.3	170.9
90°	3.6	3.6	1.8	3.6	3.6	18.0	107.9	156.5	152.9	160.1	176.3
92.5°	5.4	5.4	1.8	1.8	3.6	14.4	84.6	161.9	156.5	167.3	183.5
95°	9.0	9.0	3.6	1.8	5.4	12.6	52.2	143.9	156.5	165.5	187.1
97.5°	10.8	10.8	3.6	3.6	5.4	10.8	27.0	116.9	120.5	125.9	147.5
100°	14.4	14.4	3.6	3.6	3.6	9.0	14.4	61.2	63.0	45.0	72.0
102.5°	14.4	14.4	3.6	3.6	3.6	5.4	7.2	27.0	25.2	9.0	9.0
105°	16.2	16.2	5.4	3.6	3.6	3.6	3.6	9.0	9.0	5.4	10.8
107.5°	16.2	16.2	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	10.8



REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	9.0	9.0	3.6	5.4	3.6	1.8	1.8	1.8	3.6	7.2	18.0
115°	3.6	3.6	1.8	3.6	1.8	1.8	1.8	3.6	3.6	5.4	14.4
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6	1.8	5.4	12.6
120°	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8	1.8	7.2	12.6
122.5°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	7.2	12.6
125°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	5.4	10.8
127.5°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6	10.8
130°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6	7.2
132.5°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6	5.4
135°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	3.6
137.5°	1.8	1.8	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8	1.8
140°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.8	1.8	3.6	3.6	1.8	0.0	3.6	1.8	1.8	1.8	1.8
152.5°	3.6	3.6	3.6	3.6	1.8	0.0	1.8	3.6	1.8	1.8	1.8
155°	3.6	3.6	1.8	1.8	1.8	0.0	1.8	1.8	1.8	3.6	5.4
157.5°	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8	0.0	0.0	1.8
160°	0.0	0.0	0.0	0.0	1.8	0.0	1.8	1.8	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9	519.9
2.5°	514.5	514.5	512.7	512.7	507.3	505.5	482.1	456.9	437.2	439.0	439.0
5°	509.1	505.5	500.1	464.1	419.2	412.0	412.0	408.4	406.6	408.4	408.4
7.5°	444.3	440.8	419.2	401.2	403.0	399.4	392.2	390.4	359.8	329.2	327.4
10°	383.2	377.8	320.2	307.6	305.8	318.4	349.0	338.2	327.4	314.8	320.2
12.5°	320.2	318.4	266.2	295.0	257.3	264.5	271.6	260.9	223.1	179.9	185.3
15°	370.6	365.2	302.2	244.7	219.5	221.3	145.7	140.3	113.3	102.5	97.1
17.5°	275.2	302.2	264.5	244.7	221.3	115.1	93.5	72.0	64.8	52.2	54.0
20°	368.8	361.6	302.2	228.5	170.9	97.1	52.2	41.4	50.4	52.2	52.2
22.5°	260.9	253.7	255.5	242.9	120.5	55.8	39.6	41.4	37.8	36.0	36.0
25°	383.2	370.6	309.4	185.3	89.9	36.0	37.8	28.8	34.2	34.2	34.2
27.5°	465.9	422.8	325.6	179.9	50.4	36.0	27.0	28.8	23.4	23.4	23.4
30°	557.7	532.5	426.4	167.3	39.6	28.8	25.2	19.8	21.6	21.6	21.6
32.5°	599.1	564.9	426.4	133.1	34.2	27.0	19.8	18.0	18.0	19.8	19.8
35°	658.4	622.4	424.6	88.2	28.8	21.6	16.2	16.2	16.2	16.2	16.2
37.5°	748.4	696.2	431.8	55.8	23.4	18.0	12.6	14.4	14.4	30.6	30.6
40°	849.1	789.8	412.0	39.6	19.8	14.4	10.8	18.0	25.2	27.0	27.0
42.5°	976.8	912.1	383.2	34.2	18.0	10.8	9.0	14.4	21.6	34.2	34.2
45°	1129.8	1032.6	343.6	30.6	14.4	9.0	9.0	18.0	27.0	32.4	32.4
47.5°	1266.5	1149.5	275.2	28.8	12.6	7.2	12.6	19.8	23.4	37.8	37.8
50°	1426.6	1271.9	210.5	25.2	10.8	7.2	19.8	21.6	27.0	34.2	34.2
52.5°	1545.3	1374.4	160.1	23.4	10.8	5.4	19.8	19.8	30.6	39.6	39.6
55°	1640.7	1430.2	115.1	19.8	9.0	5.4	23.4	25.2	27.0	30.6	30.6
57.5°	1714.4	1469.8	89.9	18.0	9.0	12.6	28.8	32.4	28.8	30.6	30.6
60°	1799.0	1489.6	66.6	16.2	7.2	12.6	34.2	43.2	32.4	46.8	45.0
62.5°	1876.3	1503.9	54.0	16.2	7.2	14.4	37.8	54.0	43.2	63.0	64.8
65°	1973.5	1521.9	45.0	12.6	7.2	19.8	45.0	72.0	57.6	82.8	86.4
67.5°	2038.2	1532.7	37.8	12.6	7.2	23.4	63.0	93.5	72.0	104.3	107.9
70°	2045.4	1493.2	30.6	12.6	7.2	36.0	86.4	113.3	89.9	133.1	134.9
72.5°	1951.9	1379.8	25.2	14.4	7.2	39.6	100.7	131.3	106.1	176.3	178.1
75°	1577.7	967.9	23.4	14.4	7.2	50.4	109.7	143.9	118.7	183.5	187.1
77.5°	969.7	447.9	21.6	16.2	10.8	55.8	111.5	152.9	124.1	183.5	188.9
80°	376.0	221.3	19.8	18.0	25.2	63.0	120.5	154.7	124.1	170.9	178.1
82.5°	174.5	129.5	19.8	19.8	32.4	64.8	118.7	143.9	115.1	152.9	151.1
85°	156.5	127.7	21.6	21.6	34.2	55.8	93.5	122.3	98.9	120.5	120.5
87.5°	152.9	125.9	23.4	27.0	34.2	32.4	72.0	104.3	84.6	89.9	89.9
90°	156.5	131.3	25.2	30.6	28.8	18.0	57.6	86.4	64.8	57.6	55.8
92.5°	167.3	133.1	30.6	36.0	27.0	14.4	48.6	70.2	46.8	37.8	36.0
95°	176.3	136.7	37.8	43.2	28.8	12.6	43.2	55.8	34.2	23.4	21.6
97.5°	147.5	106.1	43.2	46.8	28.8	12.6	37.8	45.0	27.0	12.6	12.6
100°	63.0	46.8	45.0	50.4	27.0	10.8	32.4	36.0	18.0	5.4	7.2
102.5°	12.6	14.4	39.6	46.8	21.6	7.2	21.6	21.6	12.6	1.8	3.6
105°	12.6	10.8	25.2	39.6	12.6	3.6	9.0	12.6	5.4	1.8	1.8
107.5°	12.6	12.6	9.0	19.8	5.4	3.6	3.6	5.4	3.6	1.8	1.8



REPORT NUMBER: P560407

CATALOG NUMBER: SDL-PA1-40-750-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

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



Report Generated By 670245982



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110° | 12.6 12.6 5.4 5.4 3.6 1.8 1.8 1.8 3.6 5.4 12.6



110°	14.4	12.6	3.6	5.4	3.6	3.6	3.6	3.6	1.8	9.0	10.8
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(END OF REPORT)