

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: P560414

Luminaire Tested: **SDL-PA1-40-750-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
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-T4W-A
Description: Springdale
(1) 70 CRI, 5000K, 500mA 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: 4574.2 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B1 - 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

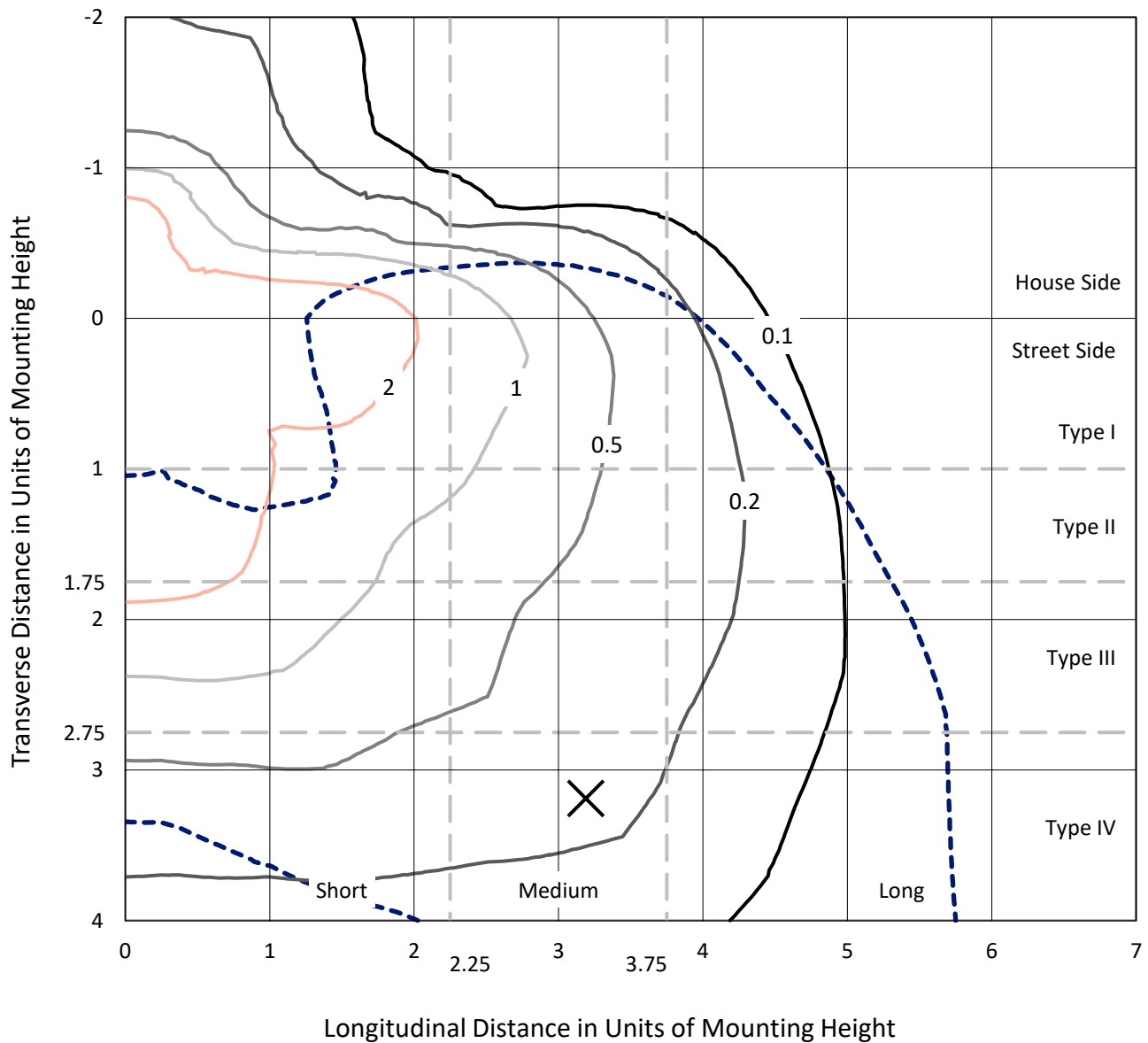


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

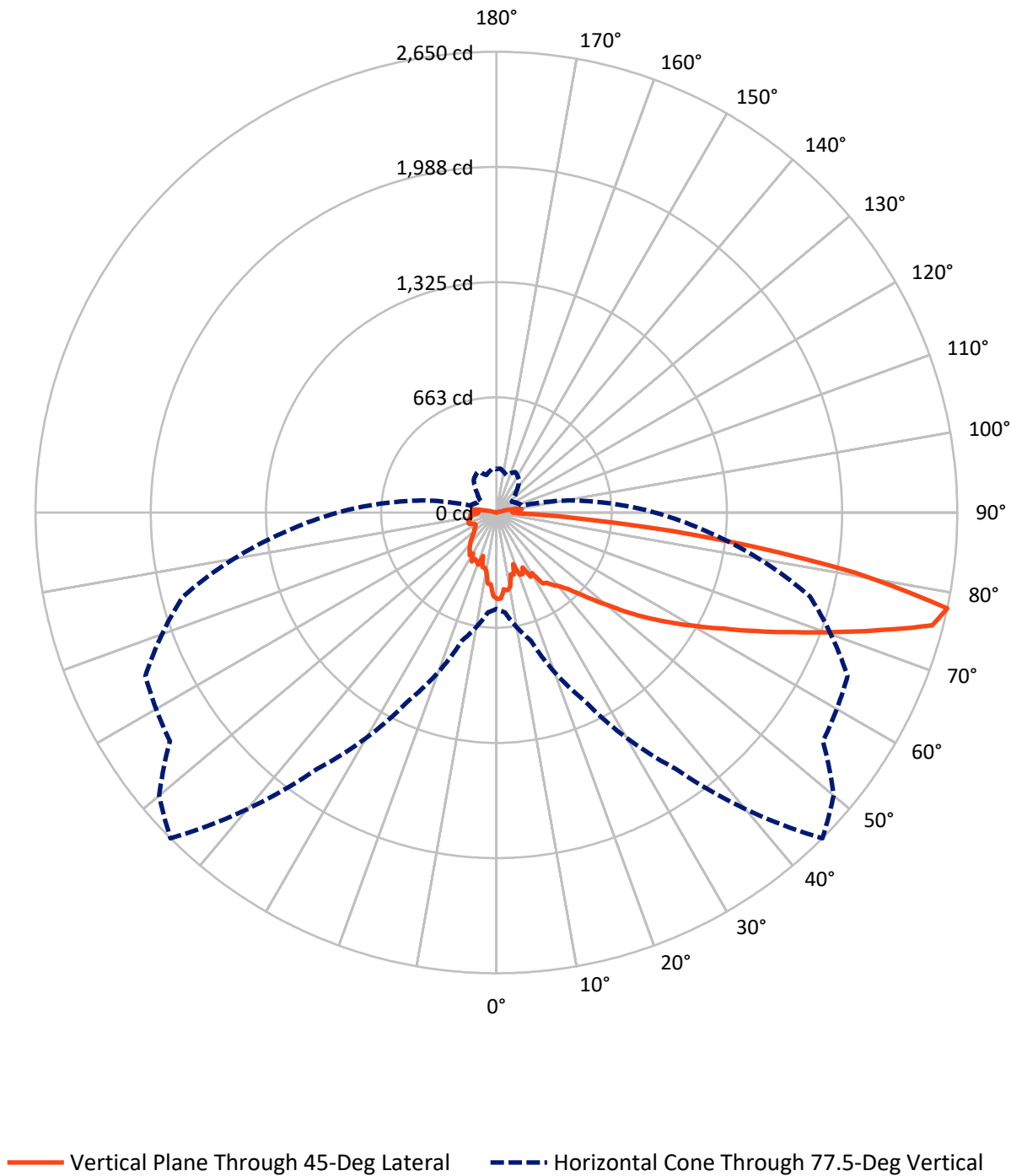


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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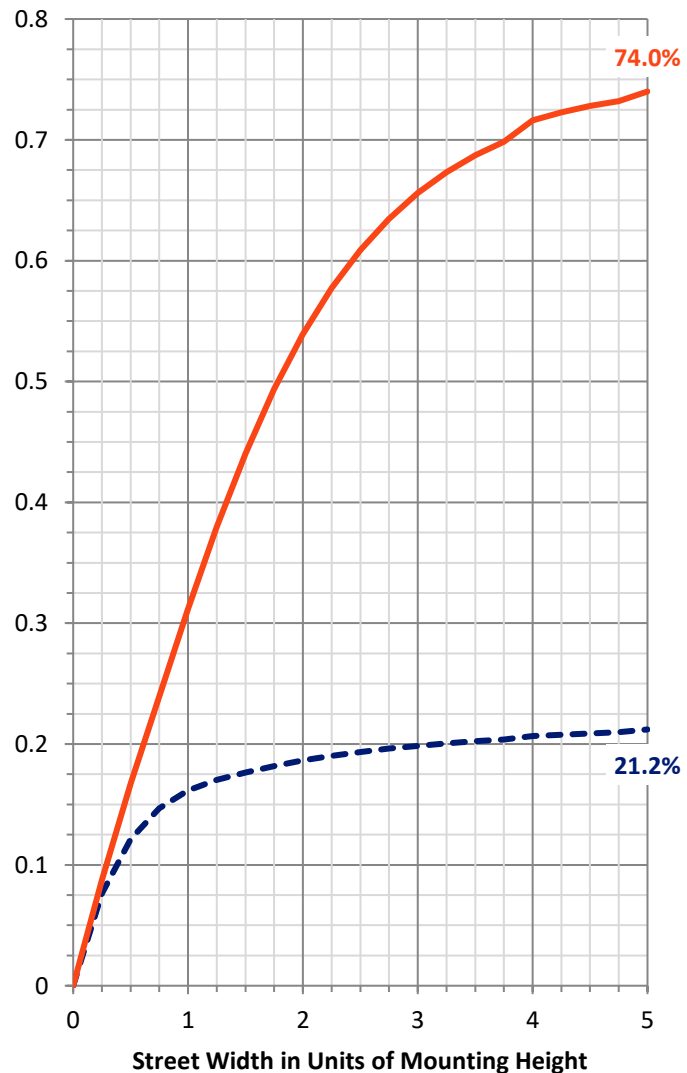
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1023.8	76.4	1100.2
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	3412.2	61.8	3474.0
	% Fixture	74.6	1.4	75.9
Total	Lumens	4436.0	138.1	4574.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.3	0.9
10°-20°	102.3	2.2
20°-30°	176.9	3.9
30°-40°	313.4	6.9
40°-50°	485.9	10.6
50°-60°	782.2	17.1
60°-70°	1150.3	25.1
70°-80°	1107.5	24.2
80°-90°	276.2	6.0
90°-100°	103.0	2.3
100°-110°	22.8	0.5
110°-120°	4.9	0.1
120°-130°	4.1	0.1
130°-140°	1.8	0.0
140°-150°	0.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4436.0	97.0
0°-180°	4574.2	100.0



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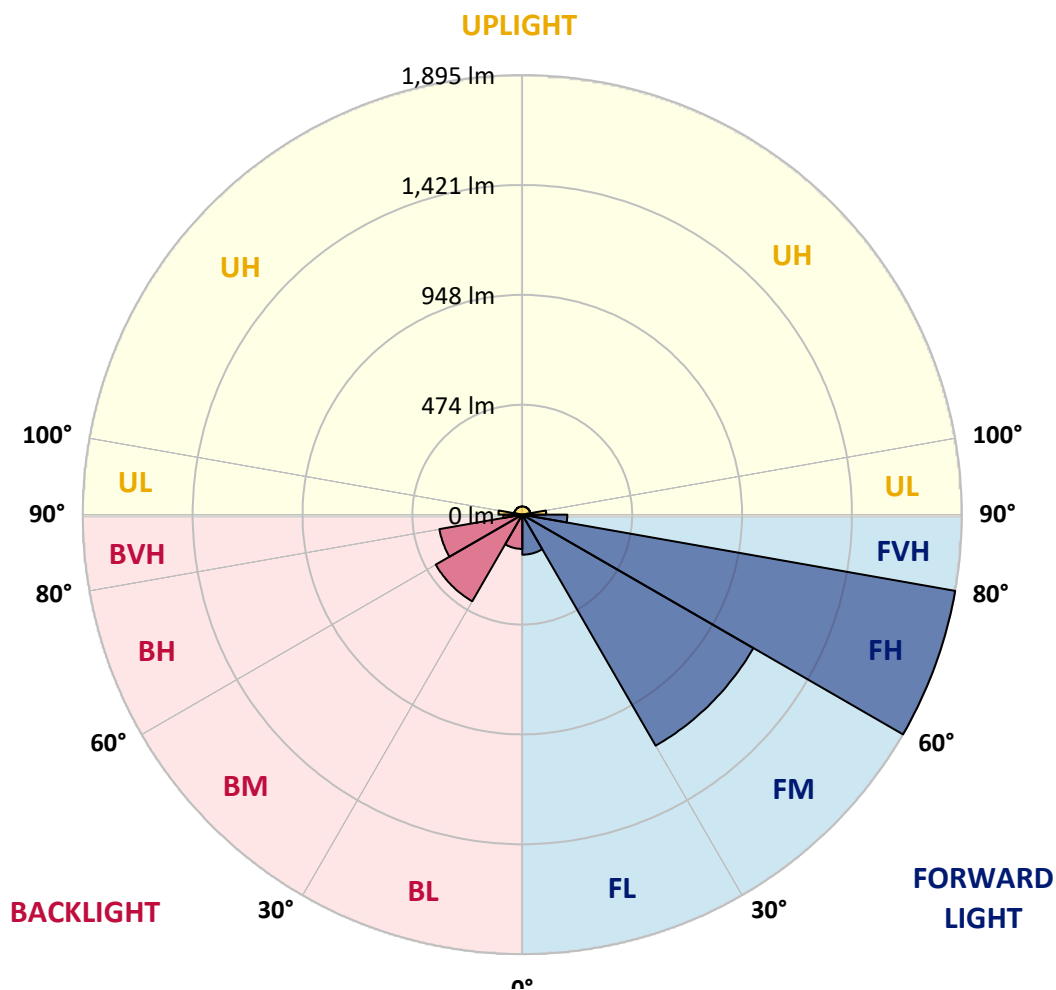
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.7	3.8			
FM	(30°-60°)	1150.5	25.2			
FH	(60°-80°)	1895.1	41.4			G2/5000
FVH	(80°-90°)	194.0	4.2			G2/225
BL	(0°-30°)	147.8	3.2	B1/500		
BM	(30°-60°)	431.1	9.4	B1/1000		
BH	(60°-80°)	362.8	7.9	B1/500		G1/500
BVH	(80°-90°)	82.2	1.8			G1/100
UL	(90°-100°)	103.0	2.3		U3/500	
UH	(100°-180°)	35.2	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6
2.5°	451.6	494.8	487.6	493.0	493.0	494.8	496.6	496.6	498.4	496.6	496.6
5°	460.6	458.8	455.2	451.6	448.0	442.6	442.6	442.6	485.8	489.4	485.8
7.5°	430.0	467.8	464.2	457.0	457.0	451.6	444.4	437.2	424.6	421.0	426.4
10°	485.8	484.0	478.6	467.8	428.2	435.4	390.4	352.6	338.2	347.2	370.6
12.5°	431.8	462.4	475.0	475.0	424.6	365.2	325.7	347.2	334.6	298.7	325.7
15°	509.2	505.6	491.2	467.8	372.4	370.6	349.0	305.9	311.3	338.2	363.4
17.5°	435.4	435.4	487.6	446.2	383.2	311.3	309.5	343.6	314.9	300.5	314.9
20°	525.4	523.6	507.4	370.6	386.8	381.4	314.9	350.8	300.5	345.4	377.8
22.5°	446.2	442.6	467.8	444.4	368.8	385.0	295.1	332.9	358.0	316.7	293.3
25°	525.4	529.0	521.8	395.8	419.2	349.0	356.2	379.6	329.3	401.2	417.4
27.5°	462.4	462.4	442.6	442.6	388.6	419.2	334.6	356.2	392.2	433.6	509.2
30°	566.7	568.5	556.0	426.4	430.0	403.0	388.6	413.8	471.4	563.1	597.3
32.5°	692.7	692.7	595.5	509.2	431.8	485.8	410.2	451.6	534.4	581.1	626.1
35°	771.9	762.9	719.7	572.1	466.0	496.6	464.2	480.4	554.2	622.5	654.9
37.5°	885.2	881.6	838.4	627.9	500.2	529.0	482.2	500.2	590.1	653.1	690.9
40°	1041.7	1023.7	986.0	725.1	541.6	557.7	503.8	525.4	633.3	692.7	737.7
42.5°	1165.9	1169.5	1142.5	840.2	609.9	599.1	541.6	557.7	680.1	753.9	804.2
45°	1281.0	1277.4	1282.8	978.8	694.5	665.7	608.1	609.9	739.5	829.4	897.8
47.5°	1360.2	1358.4	1371.0	1108.3	802.4	750.3	681.9	674.7	807.8	959.0	1025.5
50°	1455.5	1450.1	1443.0	1246.8	924.8	842.0	779.0	753.9	896.0	1104.7	1187.5
52.5°	1572.5	1559.9	1536.5	1354.8	1059.7	959.0	888.8	854.6	1014.7	1268.4	1374.6
55°	1684.0	1666.1	1646.3	1475.3	1183.9	1075.9	1000.4	980.6	1169.5	1437.6	1574.3
57.5°	1793.8	1784.8	1768.6	1635.5	1342.2	1198.3	1113.7	1110.1	1349.4	1601.3	1788.4
60°	1896.3	1882.0	1903.5	1808.2	1489.7	1327.8	1237.8	1264.8	1547.3	1765.0	2025.9
62.5°	1959.3	1953.9	2000.7	1966.5	1626.5	1471.7	1380.0	1426.8	1738.0	1925.1	2236.4
65°	1865.8	1880.2	2065.5	2065.5	1784.8	1642.7	1552.7	1581.5	1917.9	2087.1	2428.9
67.5°	1694.8	1714.6	1966.5	2121.2	1926.9	1835.2	1741.6	1757.8	2078.1	2218.4	2585.4
70°	1549.1	1563.5	1797.4	2124.8	2016.9	2058.3	1923.3	1908.9	2202.2	2328.2	2643.0
72.5°	1421.4	1441.2	1633.7	2103.3	2105.1	2312.0	2139.2	2052.9	2315.6	2369.5	2459.5
75°	1126.3	1117.3	1335.0	1849.6	2133.8	2589.0	2392.9	2213.0	2371.3	2227.4	1928.7
77.5°	554.2	577.5	761.1	1191.1	1801.0	2650.2	2531.5	2292.2	2227.4	1865.8	1203.7
80°	163.7	169.1	212.3	426.4	1034.5	2087.1	2090.7	1896.3	1675.0	1090.3	543.4
82.5°	91.8	93.6	122.3	185.3	424.6	1322.4	1376.4	1138.9	741.3	403.0	271.7
85°	48.6	50.4	63.0	97.2	215.9	527.2	559.5	435.4	358.0	262.7	199.7
87.5°	23.4	23.4	21.6	32.4	79.2	127.7	142.1	161.9	143.9	134.9	165.5
90°	19.8	19.8	16.2	18.0	43.2	91.8	111.5	124.1	113.3	124.1	181.7
92.5°	21.6	21.6	16.2	18.0	46.8	102.6	122.3	138.5	120.5	133.1	201.5
95°	19.8	21.6	14.4	16.2	46.8	125.9	147.5	151.1	124.1	145.7	215.9
97.5°	16.2	16.2	10.8	12.6	41.4	147.5	161.9	156.5	109.8	111.5	172.7
100°	12.6	12.6	7.2	10.8	28.8	118.7	138.5	131.3	72.0	18.0	43.2
102.5°	10.8	10.8	5.4	9.0	12.6	57.6	73.8	72.0	43.2	10.8	9.0
105°	10.8	10.8	5.4	7.2	7.2	16.2	25.2	32.4	18.0	5.4	9.0
107.5°	10.8	10.8	5.4	3.6	3.6	7.2	9.0	9.0	9.0	5.4	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	10.8	10.8	3.6	3.6	1.8	3.6	3.6	3.6	3.6	5.4	10.8
115°	9.0	9.0	1.8	3.6	1.8	1.8	3.6	1.8	3.6	3.6	9.0
117.5°	9.0	7.2	1.8	1.8	1.8	1.8	1.8	1.8	3.6	5.4	10.8
120°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	1.8	3.6	7.2	12.6
122.5°	9.0	9.0	3.6	1.8	0.0	1.8	1.8	1.8	3.6	7.2	14.4
125°	10.8	9.0	3.6	1.8	0.0	0.0	1.8	1.8	1.8	7.2	12.6
127.5°	9.0	7.2	3.6	1.8	0.0	0.0	1.8	1.8	1.8	5.4	10.8
130°	9.0	7.2	3.6	0.0	0.0	0.0	1.8	1.8	1.8	5.4	9.0
132.5°	7.2	5.4	3.6	0.0	0.0	0.0	1.8	1.8	1.8	3.6	7.2
135°	5.4	5.4	1.8	0.0	1.8	0.0	1.8	1.8	1.8	1.8	5.4
137.5°	3.6	3.6	1.8	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
140°	1.8	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	5.4	5.4	5.4	3.6	1.8	1.8	1.8	3.6	1.8	1.8	1.8
152.5°	5.4	5.4	5.4	3.6	0.0	0.0	1.8	1.8	3.6	1.8	1.8
155°	3.6	3.6	3.6	0.0	0.0	0.0	1.8	1.8	1.8	3.6	3.6
157.5°	1.8	1.8	1.8	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8
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°	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6	496.6
2.5°	494.8	493.0	491.2	489.4	485.8	482.2	473.2	435.4	435.4	437.2	437.2
5°	485.8	484.0	478.6	444.4	424.6	413.8	417.4	417.4	417.4	419.2	422.8
7.5°	424.6	422.8	397.6	395.8	403.0	412.0	417.4	408.4	390.4	390.4	390.4
10°	370.6	368.8	323.9	314.9	323.9	345.4	401.2	412.0	419.2	421.0	424.6
12.5°	323.9	318.5	278.9	307.7	287.9	323.9	374.2	415.6	377.8	370.6	370.6
15°	359.8	358.0	311.3	269.9	271.7	323.9	296.9	390.4	412.0	415.6	417.4
17.5°	314.9	311.3	286.1	284.3	300.5	260.9	329.3	372.4	354.4	359.8	359.8
20°	376.0	374.2	327.5	271.7	268.1	318.5	291.5	338.2	403.0	415.6	417.4
22.5°	291.5	291.5	300.5	318.5	289.7	304.1	311.3	358.0	345.4	352.6	374.2
25°	413.8	410.2	363.4	286.1	311.3	293.3	325.7	340.0	399.4	413.8	417.4
27.5°	502.0	493.0	390.4	322.1	280.7	314.9	313.1	329.3	338.2	394.0	401.2
30°	591.9	582.9	502.0	361.6	291.5	271.7	298.7	352.6	406.6	415.6	422.8
32.5°	624.3	617.1	512.8	383.2	293.3	289.7	296.9	352.6	446.2	482.2	489.4
35°	658.5	649.5	523.6	374.2	286.1	269.9	280.7	363.4	444.4	467.8	473.2
37.5°	699.9	683.7	536.2	356.2	266.3	255.5	268.1	331.1	422.8	446.2	449.8
40°	752.1	735.9	552.4	336.4	246.5	237.5	244.7	307.7	370.6	390.4	399.4
42.5°	831.2	800.6	559.5	320.3	228.5	219.5	226.7	277.1	325.7	338.2	343.6
45°	933.8	879.8	570.3	298.7	212.3	199.7	210.5	253.7	277.1	277.1	277.1
47.5°	1059.7	973.4	575.7	280.7	192.5	181.7	192.5	230.3	242.9	235.7	233.9
50°	1214.5	1092.1	602.7	259.1	176.3	167.3	185.3	203.3	208.7	212.3	212.3
52.5°	1396.2	1228.8	618.9	237.5	165.5	160.1	178.1	190.7	192.5	196.1	196.1
55°	1594.1	1378.2	627.9	217.7	158.3	151.1	170.9	183.5	183.5	187.1	187.1
57.5°	1799.2	1550.9	651.3	203.3	151.1	143.9	163.7	185.3	178.1	185.3	187.1
60°	2015.1	1711.0	631.5	188.9	140.3	138.5	165.5	197.9	196.1	205.1	206.9
62.5°	2218.4	1838.8	543.4	176.3	133.1	140.3	185.3	223.1	217.7	232.1	232.1
65°	2333.6	1882.0	399.4	169.1	127.7	151.1	205.1	248.3	230.3	237.5	233.9
67.5°	2358.7	1838.8	287.9	160.1	125.9	169.1	219.5	253.7	228.5	235.7	235.7
70°	2299.4	1738.0	232.1	152.9	124.1	170.9	223.1	253.7	230.3	246.5	242.9
72.5°	2031.3	1478.9	197.9	145.7	124.1	167.3	228.5	255.5	235.7	262.7	257.3
75°	1531.1	1106.5	174.5	138.5	116.9	161.9	232.1	257.3	228.5	257.3	253.7
77.5°	910.4	631.5	154.7	129.5	108.0	156.5	228.5	257.3	223.1	253.7	250.1
80°	385.0	296.9	131.3	113.3	99.0	149.3	224.9	255.5	214.1	246.5	241.1
82.5°	242.9	201.5	111.5	93.6	97.2	147.5	226.7	251.9	210.5	248.3	230.3
85°	196.1	165.5	95.4	79.2	90.0	151.1	217.7	228.5	181.7	214.1	208.7
87.5°	165.5	138.5	43.2	34.2	66.6	116.9	165.5	170.9	131.3	167.3	160.1
90°	181.7	151.1	41.4	28.8	59.4	102.6	152.9	149.3	125.9	160.1	158.3
92.5°	197.9	160.1	39.6	30.6	66.6	111.5	167.3	151.1	133.1	161.9	160.1
95°	205.1	163.7	37.8	32.4	79.2	122.3	178.1	147.5	140.3	149.3	147.5
97.5°	154.7	118.7	36.0	34.2	82.8	138.5	167.3	124.1	91.8	91.8	90.0
100°	39.6	39.6	32.4	32.4	55.8	100.8	127.7	91.8	52.2	39.6	41.4
102.5°	10.8	12.6	28.8	30.6	30.6	45.0	72.0	59.4	34.2	5.4	5.4
105°	10.8	10.8	19.8	23.4	16.2	14.4	28.8	32.4	25.2	3.6	5.4
107.5°	10.8	10.8	9.0	12.6	5.4	7.2	7.2	9.0	9.0	3.6	3.6



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CATALOG NUMBER: SDL-PA1-40-750-U-T4W-A

CANDELA DISTRIBUTION (continued):

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



Report Generated By 670245982



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