

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: P560332

Luminaire Tested: **SDL-PA1-40-727-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-SL3-A
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858.5 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - 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

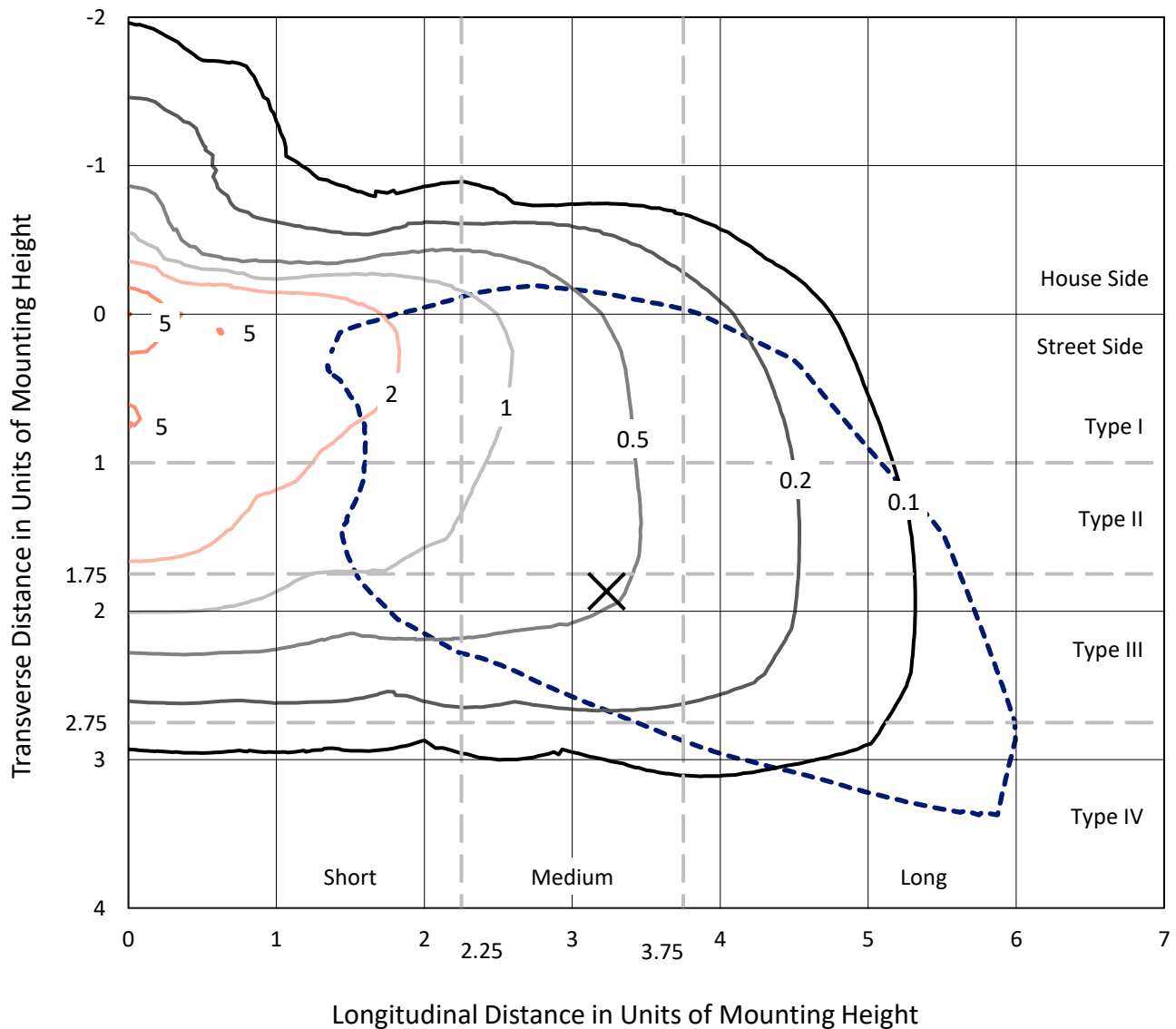


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

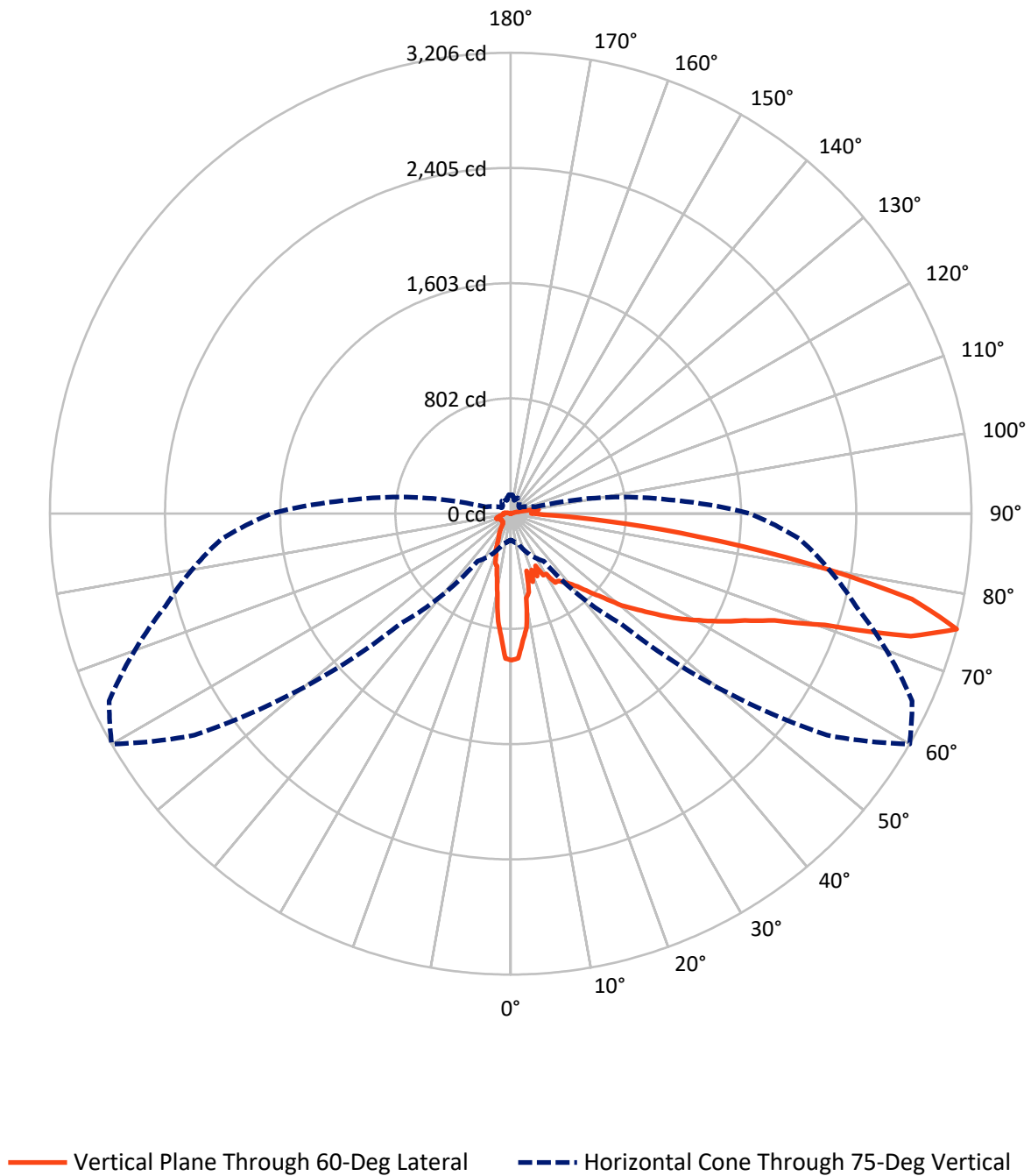


Based on 10 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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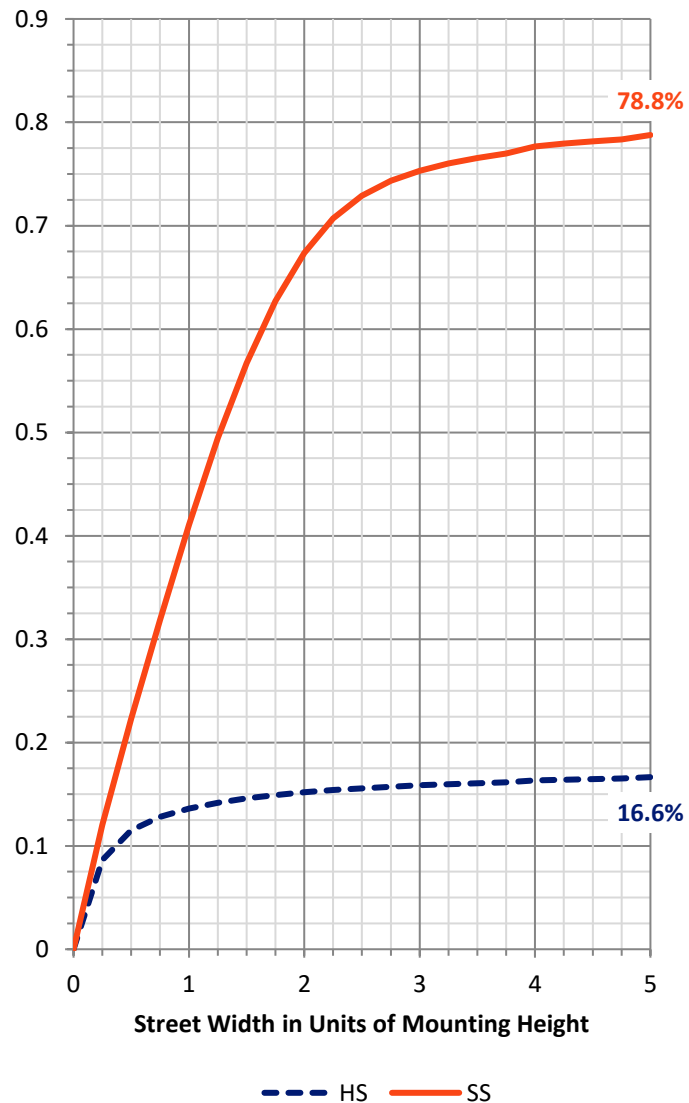
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	677.4	51.3	728.7
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	3075.5	54.3	3129.8
	% Fixture	79.7	1.4	81.1
Total	Lumens	3752.8	105.6	3858.5
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	1.9
10°-20°	133.4	3.5
20°-30°	172.9	4.5
30°-40°	288.2	7.5
40°-50°	461.4	12.0
50°-60°	708.4	18.4
60°-70°	885.2	22.9
70°-80°	807.4	20.9
80°-90°	220.9	5.7
90°-100°	74.2	1.9
100°-110°	16.8	0.4
110°-120°	5.3	0.1
120°-130°	5.0	0.1
130°-140°	2.4	0.1
140°-150°	1.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3752.8	97.3
0°-180°	3858.5	100.0

Coefficient of Utilization



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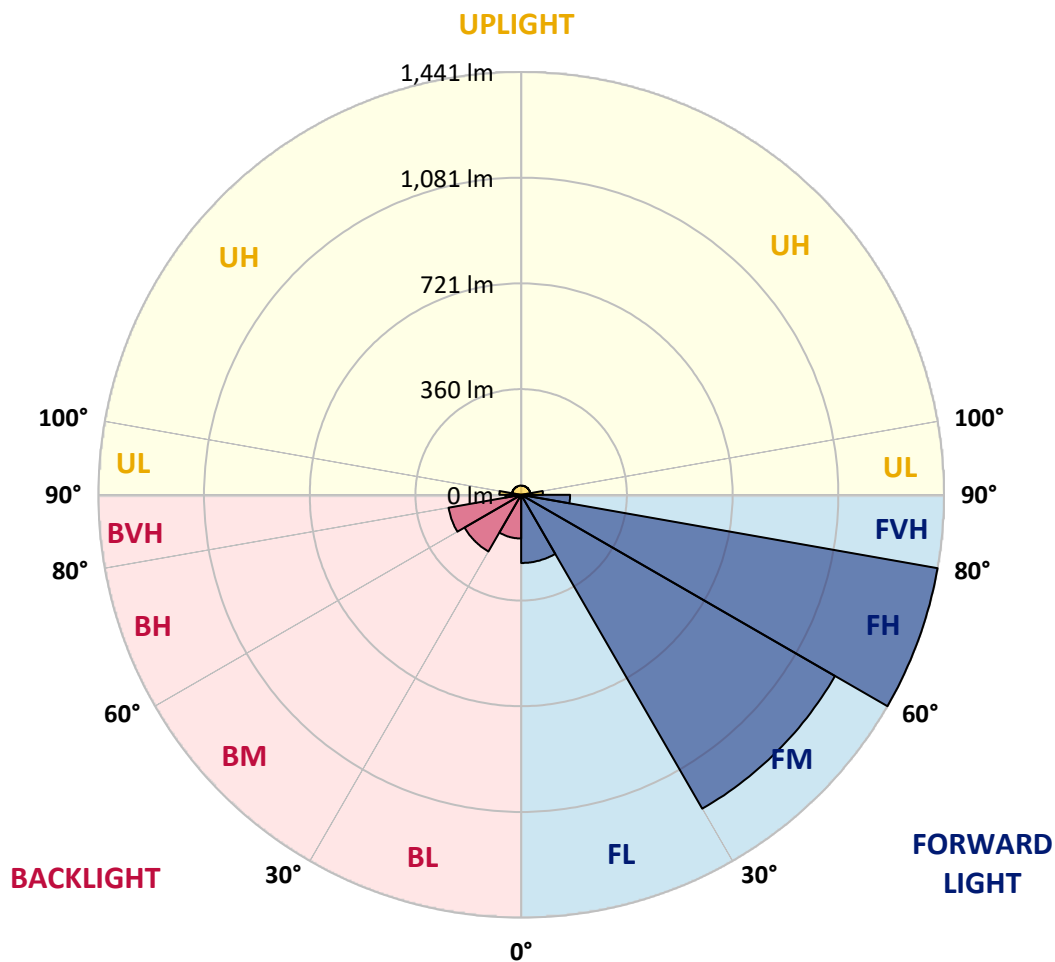
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.4	6.0			
FM	(30°-60°)	1235.1	32.0			
FH	(60°-80°)	1441.2	37.4			G1/1800
FVH	(80°-90°)	166.7	4.3			G2/225
BL	(0°-30°)	148.9	3.9	B1/500		
BM	(30°-60°)	222.9	5.8	B1/1000		
BH	(60°-80°)	251.3	6.5	B1/500		G1/500
BVH	(80°-90°)	54.2	1.4			G1/100
UL	(90°-100°)	74.2	1.9		U3/500	
UH	(100°-180°)	31.4	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0
2.5°	854.9	934.7	927.2	988.9	988.9	1002.4	1008.4	1006.9	1013.0	1019.0	1017.5
5°	787.2	788.7	794.7	808.3	812.8	817.3	832.3	885.0	973.8	994.9	994.9
7.5°	650.2	686.3	731.5	739.0	766.1	779.7	796.2	799.2	739.0	847.4	857.9
10°	659.3	660.8	657.7	674.3	654.7	647.2	594.5	597.5	603.6	644.2	725.5
12.5°	516.3	546.4	611.1	641.2	593.0	540.3	537.3	562.9	573.5	513.3	639.7
15°	590.0	593.0	594.5	596.0	442.5	513.3	448.5	412.4	462.1	582.5	662.3
17.5°	462.1	465.1	535.8	534.3	487.7	394.3	487.7	498.2	478.6	495.2	553.9
20°	541.9	543.4	538.8	418.4	427.5	483.2	419.9	418.4	442.5	570.4	644.2
22.5°	445.5	439.5	438.0	478.6	435.0	465.1	407.9	472.6	513.3	508.7	486.2
25°	558.4	556.9	534.3	416.9	445.5	394.3	477.1	400.4	444.0	615.6	644.2
27.5°	522.3	501.2	463.6	481.6	415.4	462.1	424.5	484.7	511.7	632.2	746.6
30°	675.8	660.8	617.1	486.2	459.1	426.0	454.6	486.2	582.5	814.3	853.4
32.5°	892.5	876.0	719.5	596.0	481.6	504.2	478.6	570.4	642.7	830.8	860.9
35°	958.8	936.2	859.4	722.5	552.4	535.8	510.2	575.0	651.7	874.5	874.5
37.5°	996.4	994.9	958.8	797.7	623.1	614.1	549.4	603.6	687.9	916.6	907.6
40°	1002.4	1010.0	1026.5	864.0	707.4	687.9	600.6	642.7	739.0	967.8	949.7
42.5°	1052.1	1065.6	1103.3	951.3	791.7	773.6	660.8	699.9	794.7	1043.1	1038.5
45°	1131.9	1145.4	1178.5	1047.6	865.5	853.4	758.6	782.7	885.0	1175.5	1133.4
47.5°	1297.4	1300.4	1286.9	1127.4	945.2	945.2	853.4	876.0	966.3	1297.4	1256.8
50°	1463.0	1444.9	1384.7	1222.2	1025.0	1047.6	951.3	1003.9	1058.1	1420.9	1365.2
52.5°	1554.8	1551.8	1470.5	1294.4	1094.2	1137.9	1064.1	1109.3	1142.4	1545.8	1467.5
55°	1557.8	1553.3	1497.6	1329.0	1159.0	1231.2	1177.0	1235.7	1259.8	1643.6	1607.5
57.5°	1508.2	1520.2	1491.6	1348.6	1190.6	1321.5	1314.0	1377.2	1389.2	1759.5	1703.8
60°	1429.9	1428.4	1463.0	1366.7	1238.7	1407.3	1440.4	1505.1	1569.9	1848.3	1789.6
62.5°	1234.2	1247.8	1345.6	1366.7	1291.4	1518.7	1581.9	1649.6	1729.4	1929.6	1866.4
65°	966.3	973.8	1127.4	1267.3	1306.5	1667.7	1724.9	1792.6	1876.9	2012.4	1952.2
67.5°	584.0	633.7	766.1	1043.1	1229.7	1846.8	1952.2	1980.8	2028.9	2105.7	2078.6
70°	332.6	347.7	410.9	656.2	1026.5	1904.0	2370.6	2319.4	2269.8	2287.8	2236.6
72.5°	252.9	261.9	290.5	388.3	614.1	1681.2	2722.8	2912.5	2698.7	2477.5	2232.1
75°	183.6	192.7	221.3	313.1	403.4	1077.7	2686.7	3206.0	3082.5	2486.5	2018.4
77.5°	114.4	115.9	132.5	266.4	362.7	540.3	2102.7	2855.3	2909.4	2322.4	1673.7
80°	79.8	81.3	84.3	143.0	334.1	433.5	1411.8	2096.7	2173.4	1616.5	853.4
82.5°	57.2	60.2	63.2	84.3	216.7	413.9	879.0	1320.0	1163.5	585.5	346.2
85°	30.1	33.1	40.6	51.2	87.3	450.0	526.8	671.3	531.3	237.8	206.2
87.5°	12.0	10.5	9.0	13.5	24.1	173.1	204.7	225.8	174.6	134.0	164.1
90°	10.5	9.0	6.0	7.5	10.5	61.7	129.4	144.5	120.4	130.9	165.6
92.5°	10.5	9.0	6.0	6.0	10.5	61.7	155.0	158.0	124.9	134.0	173.1
95°	10.5	10.5	6.0	6.0	10.5	55.7	183.6	180.6	129.4	141.5	183.6
97.5°	10.5	10.5	4.5	6.0	10.5	37.6	189.6	195.7	126.4	100.8	152.0
100°	10.5	10.5	4.5	4.5	9.0	24.1	132.5	143.0	93.3	33.1	37.6
102.5°	10.5	10.5	4.5	4.5	6.0	16.6	58.7	70.7	55.7	10.5	12.0
105°	10.5	12.0	3.0	3.0	4.5	9.0	25.6	28.6	22.6	7.5	13.5
107.5°	12.0	13.5	3.0	3.0	3.0	4.5	9.0	10.5	6.0	6.0	13.5
110°	13.5	13.5	3.0	3.0	3.0	4.5	3.0	3.0	4.5	6.0	15.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	10.5	9.0	1.5	3.0	3.0	3.0	3.0	3.0	3.0	6.0	15.1
115°	6.0	4.5	1.5	3.0	3.0	3.0	1.5	3.0	4.5	6.0	13.5
117.5°	6.0	4.5	1.5	1.5	1.5	3.0	1.5	1.5	4.5	7.5	16.6
120°	4.5	4.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	10.5	22.6
122.5°	4.5	4.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	10.5	22.6
125°	6.0	6.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	9.0	21.1
127.5°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	3.0	3.0	7.5	16.6
130°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	3.0	1.5	7.5	13.5
132.5°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	4.5	10.5
135°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	7.5
137.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
140°	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
150°	3.0	3.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	6.0	6.0	6.0	4.5	1.5	1.5	3.0	4.5	1.5	1.5	1.5
155°	4.5	4.5	4.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
157.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0	1019.0
2.5°	1013.0	1016.0	1013.0	1010.0	1006.9	997.9	936.2	860.9	854.9	860.9	857.9
5°	987.4	987.4	985.9	882.0	820.3	802.2	797.7	793.2	784.2	779.7	782.7
7.5°	851.9	847.4	794.7	701.4	760.1	739.0	727.0	721.0	630.7	597.5	600.6
10°	711.9	711.9	591.5	558.4	555.4	564.4	626.1	621.6	609.6	602.1	609.6
12.5°	614.1	639.7	469.6	502.7	407.9	451.5	493.7	523.8	432.0	406.4	410.9
15°	651.7	642.7	516.3	394.3	359.7	379.3	304.0	380.8	374.8	362.7	361.2
17.5°	568.9	522.3	430.5	370.3	355.2	267.9	260.4	269.4	246.8	225.8	236.3
20°	618.6	593.0	456.1	329.6	273.9	243.8	183.6	171.6	218.2	228.8	227.3
22.5°	516.3	430.5	373.3	328.1	221.3	174.6	138.5	152.0	162.6	173.1	177.6
25°	606.6	559.9	407.9	245.3	179.1	127.9	124.9	112.9	170.1	194.2	192.7
27.5°	699.9	633.7	392.8	230.3	129.4	109.9	100.8	114.4	118.9	134.0	143.0
30°	782.7	702.9	454.6	213.7	108.4	82.8	90.3	93.3	115.9	124.9	124.9
32.5°	779.7	683.3	406.4	182.1	88.8	75.3	75.3	88.8	102.3	123.4	124.9
35°	778.2	668.3	362.7	141.5	78.3	66.2	69.2	84.3	102.3	114.4	115.9
37.5°	796.2	663.8	319.1	114.4	70.7	63.2	66.2	79.8	109.9	121.9	121.9
40°	823.3	666.8	275.4	97.8	67.7	61.7	63.2	84.3	99.3	109.9	109.9
42.5°	906.1	710.4	237.8	90.3	67.7	60.2	60.2	78.3	100.8	118.9	120.4
45°	967.8	745.0	209.2	90.3	66.2	57.2	63.2	78.3	88.8	130.9	140.0
47.5°	1067.1	808.3	182.1	90.3	66.2	55.7	58.7	76.8	93.3	150.5	156.5
50°	1166.5	871.5	170.1	90.3	66.2	54.2	66.2	73.8	93.3	156.5	161.1
52.5°	1271.8	949.7	162.6	90.3	66.2	57.2	72.2	88.8	100.8	140.0	138.5
55°	1380.2	1019.0	158.0	93.3	66.2	57.2	78.3	82.8	85.8	108.4	111.4
57.5°	1481.1	1103.3	167.1	93.3	64.7	60.2	73.8	81.3	75.3	94.8	96.3
60°	1560.8	1180.0	189.6	90.3	63.2	60.2	75.3	88.8	84.3	103.9	106.9
62.5°	1652.6	1261.3	242.3	91.8	63.2	61.7	84.3	96.3	85.8	102.3	108.4
65°	1773.1	1384.7	301.0	100.8	64.7	64.7	85.8	103.9	85.8	100.8	100.8
67.5°	1908.5	1499.1	301.0	117.4	69.2	69.2	85.8	109.9	91.8	100.8	100.8
70°	2007.9	1505.1	248.3	129.4	75.3	73.8	88.8	114.4	93.3	111.4	109.9
72.5°	1898.0	1341.1	206.2	127.9	81.3	76.8	100.8	117.4	94.8	126.4	124.9
75°	1666.2	1106.3	179.1	114.4	73.8	78.3	105.4	120.4	96.3	132.5	129.4
77.5°	1314.0	806.8	152.0	96.3	64.7	75.3	108.4	123.4	99.3	140.0	138.5
80°	636.7	404.9	123.4	81.3	58.7	72.2	108.4	121.9	97.8	144.5	144.5
82.5°	287.5	201.7	84.3	55.7	58.7	73.8	111.4	123.4	97.8	141.5	140.0
85°	186.6	138.5	54.2	43.6	58.7	84.3	112.9	117.4	93.3	130.9	130.9
87.5°	140.0	96.3	28.6	27.1	64.7	91.8	112.9	108.4	90.3	123.4	120.4
90°	143.0	102.3	30.1	27.1	69.2	93.3	112.9	106.9	87.3	111.4	111.4
92.5°	155.0	112.9	34.6	30.1	70.7	84.3	106.9	96.3	81.3	96.3	94.8
95°	168.6	126.4	40.6	34.6	61.7	61.7	84.3	78.3	69.2	73.8	73.8
97.5°	123.4	90.3	36.1	37.6	46.7	39.1	55.7	52.7	36.1	33.1	31.6
100°	36.1	30.1	33.1	36.1	33.1	28.6	42.1	40.6	24.1	12.0	12.0
102.5°	13.5	15.1	30.1	33.1	25.6	21.1	30.1	33.1	19.6	3.0	4.5
105°	12.0	10.5	21.1	25.6	15.1	12.0	15.1	21.1	12.0	3.0	3.0
107.5°	13.5	10.5	10.5	13.5	6.0	6.0	6.0	7.5	4.5	3.0	3.0
110°	13.5	10.5	6.0	6.0	4.5	4.5	4.5	3.0	3.0	3.0	3.0



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CATALOG NUMBER: SDL-PA1-40-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.5	10.5	6.0	6.0	4.5	4.5	3.0	3.0	4.5	7.5	7.5
115°	15.1	12.0	6.0	4.5	3.0	4.5	3.0	1.5	4.5	10.5	10.5
117.5°	18.1	13.5	4.5	4.5	3.0	3.0	3.0	1.5	4.5	13.5	15.1
120°	22.6	16.6	6.0	3.0	3.0	3.0	3.0	1.5	6.0	15.1	16.6
122.5°	22.6	18.1	6.0	3.0	3.0	1.5	1.5	3.0	6.0	15.1	16.6
125°	21.1	16.6	6.0	3.0	3.0	1.5	1.5	1.5	7.5	15.1	16.6
127.5°	16.6	15.1	6.0	3.0	1.5	1.5	1.5	3.0	6.0	13.5	13.5
130°	13.5	12.0	4.5	3.0	1.5	1.5	1.5	1.5	6.0	10.5	12.0
132.5°	10.5	9.0	4.5	3.0	1.5	1.5	1.5	1.5	6.0	10.5	10.5
135°	7.5	7.5	3.0	1.5	1.5	1.5	1.5	1.5	4.5	7.5	9.0
137.5°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	3.0	3.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	3.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	1.5	1.5	3.0	3.0
155°	4.5	4.5	4.5	3.0	1.5	0.0	0.0	0.0	1.5	1.5	3.0
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	1.5	1.5	1.5
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)