

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: P560982

Luminaire Tested: **SDL-PA1-70-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5849.7 lumens
Efficiency: N/A
Efficacy: 81.0 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): 72.2
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

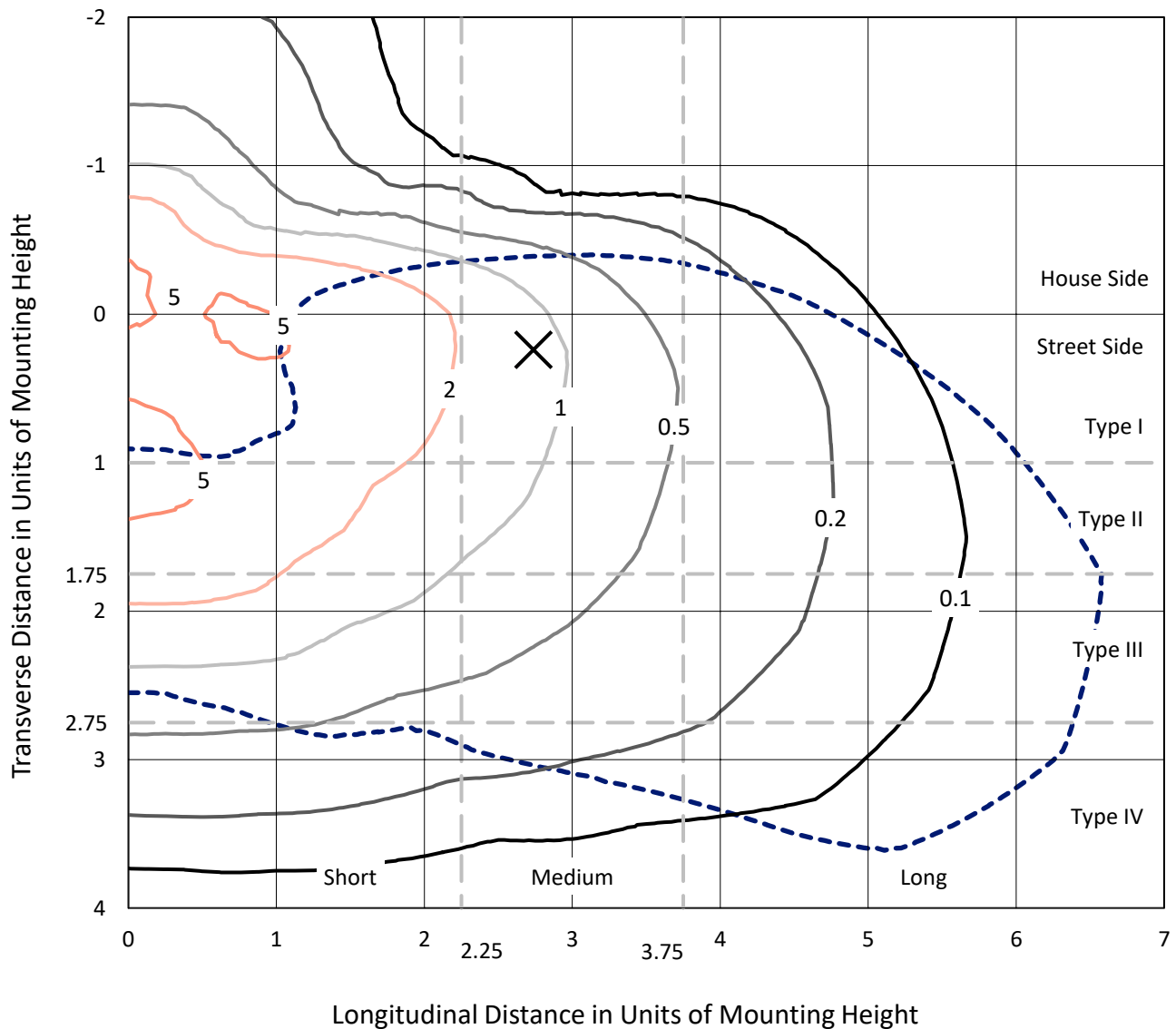


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

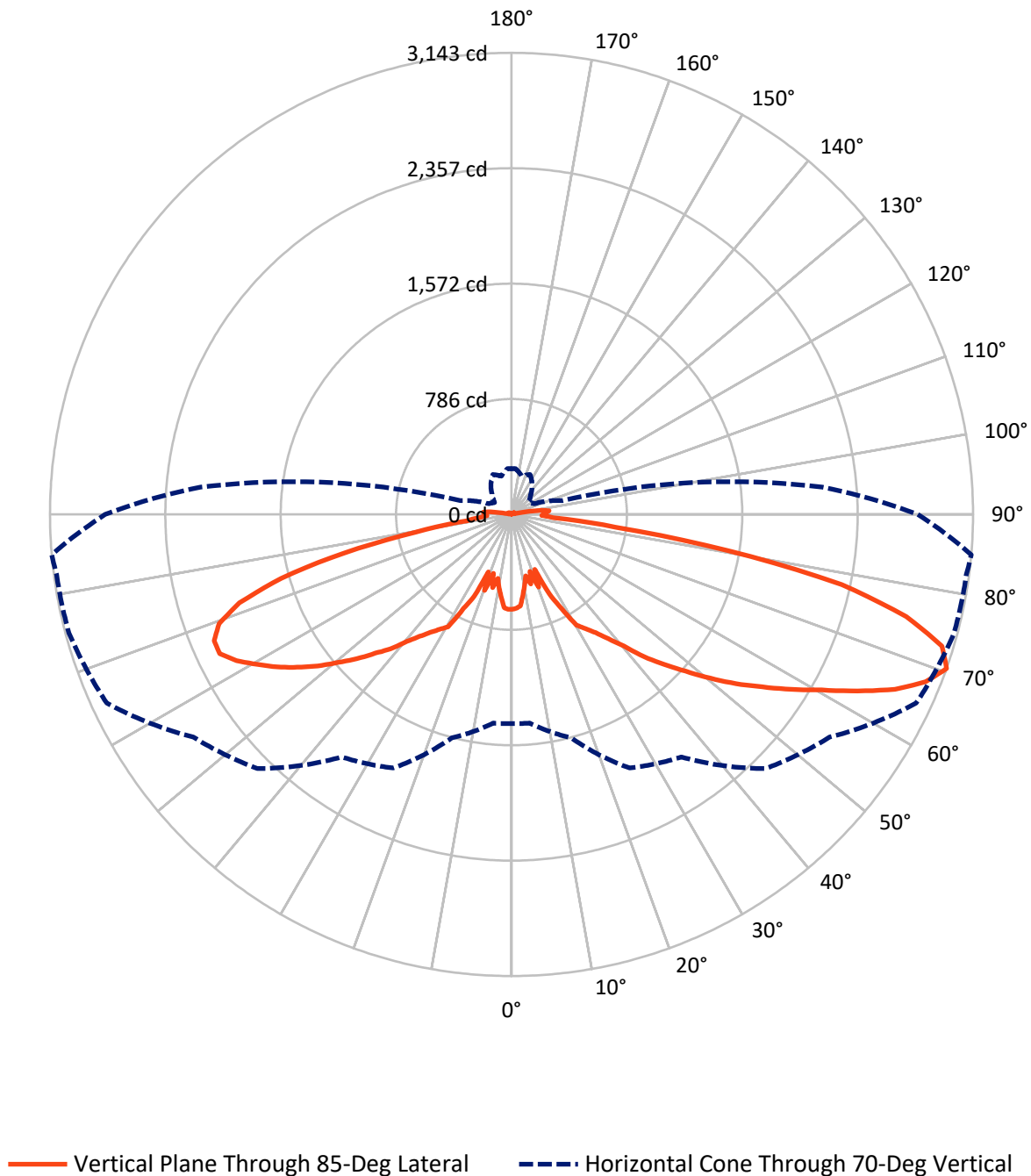


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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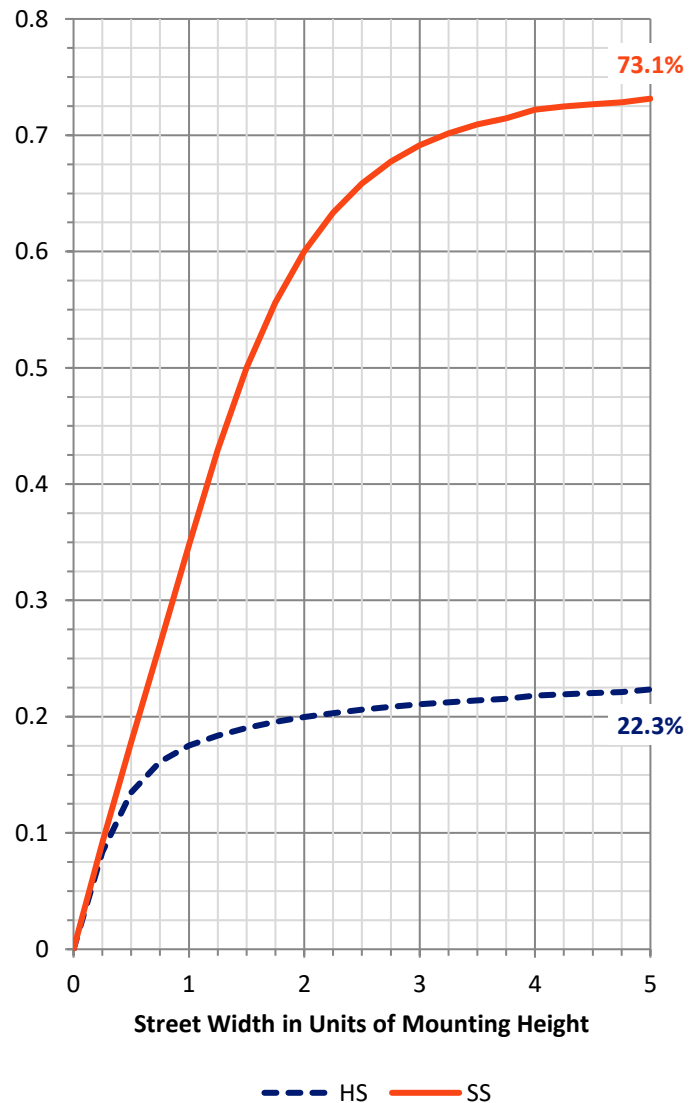
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1375.3	88.6	1463.9
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	4311.0	74.9	4385.8
	% Fixture	73.7	1.3	75.0
Total	Lumens	5686.3	163.5	5849.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	0.9
10°-20°	129.1	2.2
20°-30°	235.1	4.0
30°-40°	444.4	7.6
40°-50°	742.8	12.7
50°-60°	1159.2	19.8
60°-70°	1437.6	24.6
70°-80°	1174.5	20.1
80°-90°	310.9	5.3
90°-100°	118.0	2.0
100°-110°	25.1	0.4
110°-120°	8.1	0.1
120°-130°	6.3	0.1
130°-140°	3.0	0.1
140°-150°	1.4	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5686.3	97.2
0°-180°	5849.7	100.0

Coefficient of Utilization



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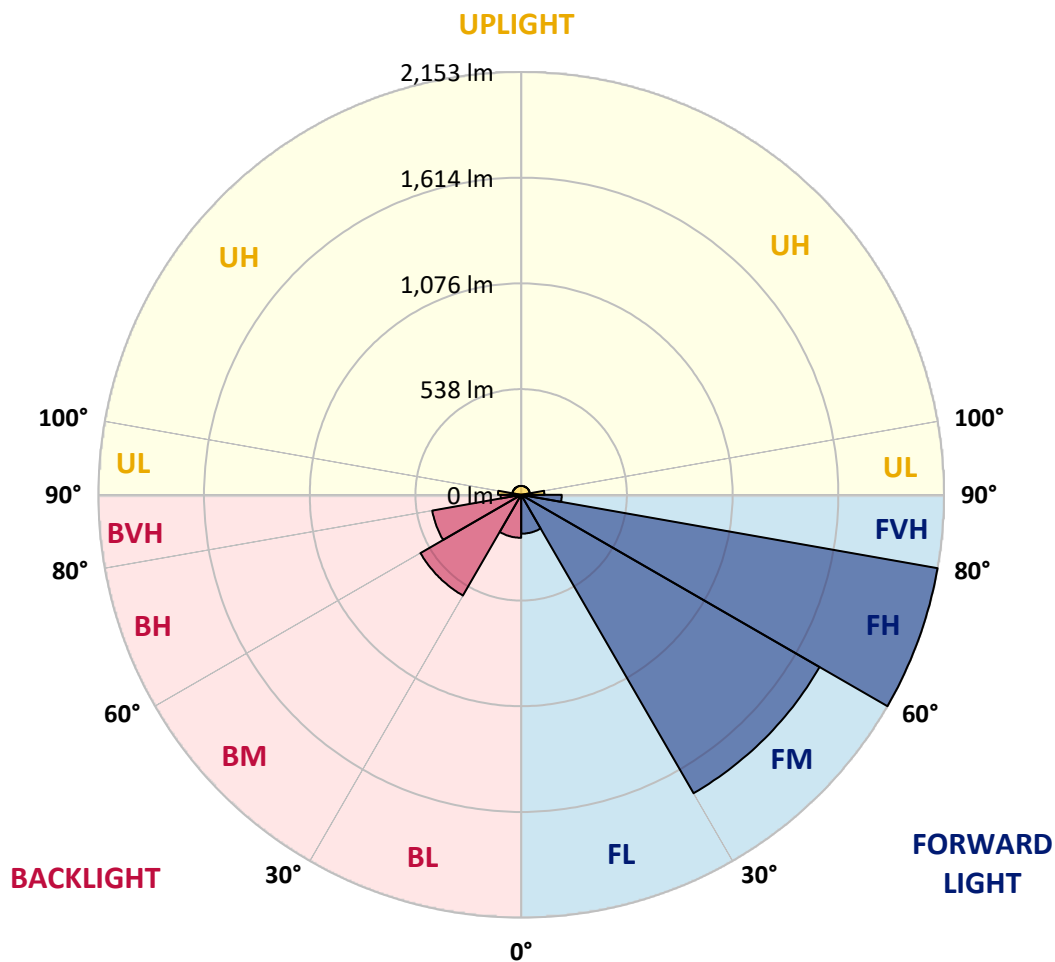
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.1	3.4			
FM	(30°-60°)	1754.0	30.0			
FH	(60°-80°)	2152.6	36.8			G2/5000
FVH	(80°-90°)	206.2	3.5			G2/225
BL	(0°-30°)	218.7	3.7	B1/500		
BM	(30°-60°)	592.4	10.1	B1/1000		
BH	(60°-80°)	459.5	7.9	B1/500		G1/500
BVH	(80°-90°)	104.6	1.8			G2/225
UL	(90°-100°)	118.0	2.0		U3/500	
UH	(100°-180°)	45.4	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°	55°	65°	75°	82.5°	85°
0°	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3
2.5°	535.2	587.3	578.3	594.1	603.2	616.8	625.9	630.4	635.0	639.5	639.5
5°	496.6	498.9	501.2	503.4	508.0	514.8	521.6	594.1	616.8	625.9	625.9
7.5°	453.5	451.3	460.3	471.7	487.6	496.6	503.4	505.7	530.6	551.1	555.6
10°	451.3	453.5	453.5	458.1	430.9	428.6	396.9	399.1	433.1	485.3	487.6
12.5°	392.3	403.7	428.6	446.7	419.5	376.4	369.6	387.8	362.8	426.3	428.6
15°	437.7	435.4	435.4	417.3	353.8	371.9	331.1	344.7	421.8	480.8	492.1
17.5°	381.0	376.4	421.8	408.2	367.4	310.7	371.9	367.4	381.0	415.0	408.2
20°	478.5	474.0	464.9	353.8	371.9	390.0	378.7	353.8	446.7	498.9	528.4
22.5°	446.7	451.3	474.0	449.0	383.2	401.4	358.3	435.4	421.8	401.4	405.9
25°	610.0	605.5	582.8	439.9	458.1	374.2	437.7	387.8	535.2	594.1	598.7
27.5°	562.4	555.6	539.7	553.3	464.9	489.8	426.3	508.0	591.9	696.2	727.9
30°	746.1	739.3	721.1	557.9	553.3	485.3	517.0	623.6	798.2	877.6	875.3
32.5°	961.5	911.6	800.5	714.3	591.9	630.4	591.9	734.7	850.4	927.5	927.5
35°	1093.0	1084.0	1025.0	830.0	689.4	687.1	680.3	809.6	938.8	993.3	988.7
37.5°	1204.2	1220.0	1177.0	961.5	777.8	796.0	762.0	911.6	1047.7	1079.4	1074.9
40°	1358.4	1353.8	1331.2	1074.9	886.7	884.4	859.5	1034.1	1167.9	1190.6	1179.2
42.5°	1587.4	1562.5	1494.4	1226.8	1002.3	1002.3	957.0	1149.7	1315.3	1317.5	1324.4
45°	1868.6	1857.3	1737.1	1462.7	1152.0	1149.7	1074.9	1272.2	1465.0	1476.3	1455.9
47.5°	2063.6	2029.6	1970.7	1678.1	1383.3	1331.2	1217.8	1392.4	1644.1	1635.0	1594.2
50°	2256.4	2229.2	2174.8	1914.0	1623.7	1519.4	1351.6	1517.1	1816.5	1791.5	1753.0
52.5°	2421.9	2385.6	2326.7	2106.7	1834.6	1753.0	1505.8	1630.5	1991.1	1950.2	1914.0
55°	2517.2	2442.3	2446.9	2279.1	1993.3	1927.6	1678.1	1814.2	2161.1	2102.2	2072.7
57.5°	2399.3	2394.7	2469.6	2385.6	2138.5	2072.7	1861.8	1997.9	2338.0	2260.9	2247.3
60°	2281.3	2294.9	2401.5	2417.4	2251.9	2204.2	2020.5	2258.7	2510.4	2426.5	2426.5
62.5°	2118.1	2156.6	2306.3	2428.7	2263.2	2333.5	2186.1	2480.9	2698.6	2621.5	2646.4
65°	1932.1	1932.1	2104.5	2335.8	2226.9	2419.7	2369.8	2723.5	2864.1	2818.8	2870.9
67.5°	1678.1	1682.7	1861.8	2154.3	2161.1	2462.8	2517.2	2914.0	3036.5	3002.5	3041.0
70°	1424.1	1426.4	1576.1	1904.9	2016.0	2446.9	2644.2	3041.0	3120.4	3124.9	3143.1
72.5°	1065.8	1104.4	1245.0	1546.6	1764.3	2381.1	2709.9	3077.3	3118.1	3124.9	3066.0
75°	573.7	591.9	748.4	1006.9	1310.7	2111.3	2689.5	3038.8	3009.3	2929.9	2775.7
77.5°	199.6	208.6	263.1	439.9	743.8	1494.4	2494.5	2870.9	2775.7	2526.2	2299.5
80°	129.3	129.3	142.9	210.9	337.9	707.5	1936.6	2460.5	2236.0	1703.1	1492.2
82.5°	90.7	93.0	104.3	140.6	217.7	303.9	1006.9	1249.5	1231.4	848.1	714.3
85°	65.8	68.0	72.6	81.6	149.7	188.2	392.3	600.9	555.6	303.9	285.7
87.5°	29.5	34.0	29.5	36.3	59.0	115.7	188.2	186.0	176.9	201.8	206.4
90°	22.7	22.7	18.1	20.4	40.8	104.3	174.6	167.8	179.2	220.0	217.7
92.5°	22.7	22.7	18.1	20.4	38.6	104.3	183.7	163.3	186.0	235.8	238.1
95°	22.7	24.9	18.1	18.1	31.7	106.6	195.0	174.6	197.3	256.3	256.3
97.5°	20.4	20.4	13.6	15.9	24.9	97.5	195.0	149.7	145.1	206.4	204.1
100°	15.9	18.1	9.1	13.6	18.1	59.0	145.1	93.0	40.8	47.6	72.6
102.5°	15.9	15.9	9.1	11.3	13.6	24.9	77.1	54.4	11.3	15.9	15.9
105°	15.9	18.1	9.1	9.1	9.1	11.3	36.3	27.2	9.1	13.6	15.9
107.5°	18.1	18.1	6.8	6.8	6.8	6.8	13.6	11.3	9.1	15.9	18.1
110°	18.1	18.1	6.8	6.8	4.5	4.5	6.8	6.8	9.1	15.9	18.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	15.9	15.9	6.8	6.8	4.5	4.5	4.5	6.8	9.1	13.6	15.9
115°	11.3	11.3	4.5	6.8	4.5	4.5	4.5	6.8	6.8	11.3	13.6
117.5°	11.3	9.1	4.5	4.5	2.3	4.5	4.5	6.8	9.1	15.9	15.9
120°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	4.5	11.3	18.1	20.4
122.5°	11.3	11.3	4.5	2.3	2.3	2.3	2.3	4.5	11.3	18.1	20.4
125°	13.6	11.3	6.8	2.3	2.3	2.3	2.3	2.3	9.1	15.9	18.1
127.5°	11.3	11.3	6.8	2.3	2.3	2.3	2.3	2.3	6.8	13.6	15.9
130°	11.3	11.3	6.8	2.3	2.3	2.3	2.3	2.3	6.8	11.3	11.3
132.5°	9.1	9.1	6.8	2.3	2.3	2.3	2.3	2.3	4.5	9.1	9.1
135°	9.1	9.1	4.5	2.3	2.3	2.3	2.3	2.3	2.3	6.8	6.8
137.5°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	0.0	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
150°	6.8	6.8	6.8	4.5	4.5	2.3	4.5	2.3	2.3	2.3	2.3
152.5°	6.8	6.8	9.1	4.5	2.3	2.3	2.3	4.5	2.3	2.3	2.3
155°	4.5	4.5	4.5	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8
157.5°	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3	646.3
2.5°	641.8	646.3	648.6	655.4	655.4	655.4	639.5	600.9	600.9	603.2	605.5
5°	632.7	637.2	646.3	614.6	582.8	580.5	591.9	598.7	600.9	603.2	598.7
7.5°	560.1	569.2	564.7	566.9	582.8	598.7	612.3	603.2	580.5	564.7	569.2
10°	498.9	508.0	458.1	462.6	480.8	526.1	600.9	625.9	641.8	648.6	648.6
12.5°	437.7	444.5	401.4	464.9	433.1	503.4	585.1	646.3	585.1	560.1	560.1
15°	501.2	514.8	462.6	412.7	421.8	510.2	449.0	616.8	635.0	639.5	644.0
17.5°	428.6	419.5	428.6	435.4	474.0	396.9	514.8	580.5	544.3	530.6	537.5
20°	539.7	548.8	501.2	428.6	433.1	505.7	458.1	519.3	619.1	621.4	625.9
22.5°	410.5	421.8	449.0	510.2	446.7	489.8	483.0	539.7	505.7	508.0	526.1
25°	603.2	612.3	564.7	455.8	487.6	442.2	487.6	480.8	566.9	571.5	571.5
27.5°	739.3	718.9	616.8	514.8	428.6	467.2	439.9	458.1	437.7	498.9	508.0
30°	879.9	879.9	800.5	573.7	453.5	396.9	401.4	435.4	485.3	494.4	494.4
32.5°	923.0	920.7	818.6	621.4	446.7	410.5	369.6	410.5	496.6	539.7	544.3
35°	984.2	975.1	850.4	605.5	430.9	374.2	349.2	412.7	476.2	483.0	478.5
37.5°	1061.3	1038.6	888.9	576.0	394.6	351.5	335.6	371.9	426.3	426.3	426.3
40°	1156.5	1120.3	902.6	535.2	356.0	322.0	306.1	344.7	381.0	360.6	353.8
42.5°	1285.8	1231.4	913.9	505.7	322.0	297.1	276.7	312.9	331.1	319.7	315.2
45°	1406.0	1324.4	932.0	474.0	294.8	274.4	256.3	288.0	301.6	290.3	288.0
47.5°	1548.9	1440.0	934.3	444.5	274.4	256.3	242.6	269.9	278.9	278.9	276.7
50°	1696.3	1551.1	952.4	419.5	254.0	238.1	235.8	256.3	263.1	258.5	256.3
52.5°	1864.1	1675.9	959.2	387.8	229.0	217.7	229.0	242.6	263.1	265.3	265.3
55°	2043.2	1791.5	954.7	344.7	210.9	206.4	222.2	251.7	269.9	256.3	254.0
57.5°	2217.8	1907.2	957.0	297.1	192.8	201.8	224.5	263.1	276.7	260.8	254.0
60°	2374.3	2011.5	925.2	254.0	179.2	190.5	233.6	274.4	269.9	274.4	267.6
62.5°	2567.1	2120.3	834.5	226.8	167.8	186.0	233.6	281.2	263.1	281.2	281.2
65°	2725.8	2202.0	705.3	204.1	158.7	186.0	235.8	283.5	256.3	285.7	285.7
67.5°	2793.8	2199.7	510.2	186.0	147.4	181.4	235.8	292.5	263.1	294.8	292.5
70°	2766.6	2124.9	360.6	172.3	140.6	183.7	244.9	299.3	269.9	312.9	310.7
72.5°	2582.9	1948.0	260.8	161.0	131.5	174.6	251.7	308.4	276.7	340.2	340.2
75°	2274.5	1628.2	210.9	149.7	122.5	172.3	254.0	312.9	281.2	344.7	344.7
77.5°	1739.3	1170.1	176.9	138.3	113.4	167.8	251.7	319.7	278.9	344.7	344.7
80°	1043.2	666.7	147.4	124.7	115.7	165.5	256.3	319.7	278.9	340.2	340.2
82.5°	480.8	306.1	131.5	104.3	108.9	163.3	260.8	315.2	267.6	340.2	326.6
85°	267.6	215.4	113.4	88.4	97.5	154.2	247.2	283.5	240.4	281.2	276.7
87.5°	199.6	167.8	72.6	45.4	63.5	108.9	190.5	224.5	181.4	217.7	215.4
90°	213.2	176.9	65.8	45.4	68.0	99.8	179.2	199.6	167.8	201.8	199.6
92.5°	229.0	186.0	65.8	47.6	77.1	108.9	179.2	195.0	165.5	183.7	186.0
95°	240.4	192.8	63.5	52.2	81.6	117.9	174.6	179.2	151.9	158.7	165.5
97.5°	188.2	145.1	56.7	54.4	79.4	95.2	142.9	140.6	104.3	97.5	97.5
100°	59.0	40.8	49.9	56.7	47.6	45.4	83.9	99.8	61.2	40.8	38.6
102.5°	18.1	15.9	45.4	54.4	36.3	20.4	45.4	63.5	45.4	6.8	9.1
105°	18.1	18.1	29.5	45.4	24.9	9.1	18.1	34.0	27.2	6.8	6.8
107.5°	18.1	15.9	11.3	24.9	9.1	6.8	9.1	9.1	9.1	6.8	6.8
110°	18.1	18.1	9.1	9.1	6.8	6.8	6.8	4.5	4.5	11.3	11.3



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CATALOG NUMBER: SDL-PA1-70-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.1	18.1	9.1	9.1	6.8	6.8	4.5	4.5	6.8	15.9	15.9
115°	15.9	15.9	9.1	6.8	4.5	6.8	4.5	4.5	6.8	18.1	18.1
117.5°	18.1	18.1	9.1	6.8	4.5	4.5	4.5	2.3	6.8	20.4	22.7
120°	22.7	20.4	11.3	4.5	4.5	4.5	4.5	4.5	9.1	18.1	20.4
122.5°	22.7	22.7	11.3	4.5	2.3	2.3	2.3	4.5	9.1	18.1	20.4
125°	20.4	20.4	11.3	4.5	2.3	2.3	2.3	2.3	9.1	15.9	15.9
127.5°	18.1	18.1	9.1	4.5	2.3	2.3	2.3	2.3	6.8	13.6	15.9
130°	13.6	13.6	6.8	4.5	2.3	2.3	2.3	2.3	6.8	11.3	13.6
132.5°	11.3	11.3	6.8	4.5	2.3	2.3	2.3	2.3	6.8	9.1	11.3
135°	6.8	6.8	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	9.1
137.5°	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.5	4.5	6.8	4.5
152.5°	2.3	2.3	2.3	4.5	2.3	0.0	0.0	4.5	4.5	6.8	6.8
155°	6.8	6.8	4.5	2.3	2.3	0.0	0.0	0.0	4.5	4.5	4.5
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3
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)