

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: P561030

Luminaire Tested: **SDL-PA1-80-722-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561030
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-PA1-80-722-U-T4W-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA 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: 6327.9 lumens
Efficiency: N/A
Efficacy: 77.2 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: B2 - U3 - G3

Input Watts (W): 82
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

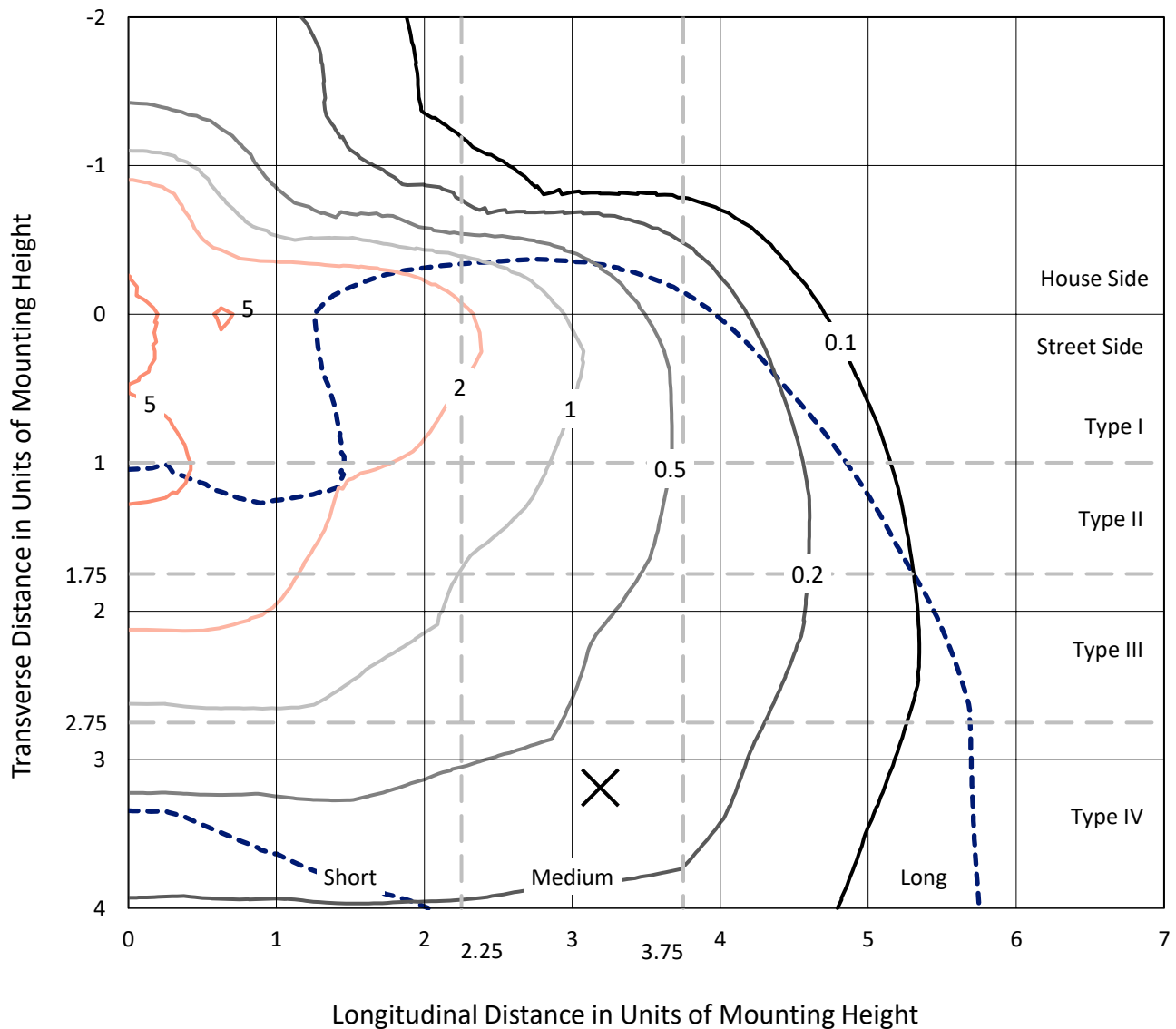


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

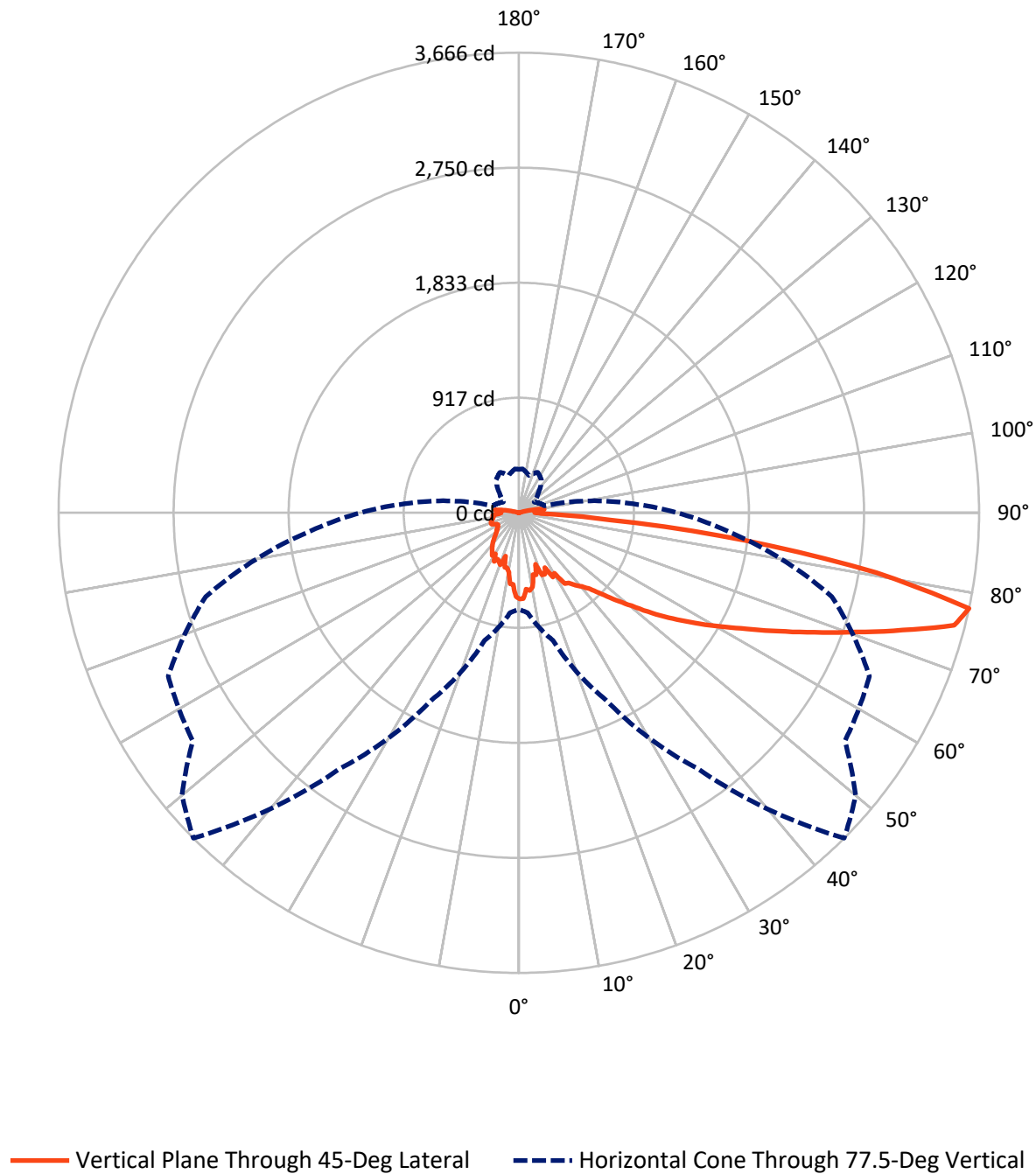


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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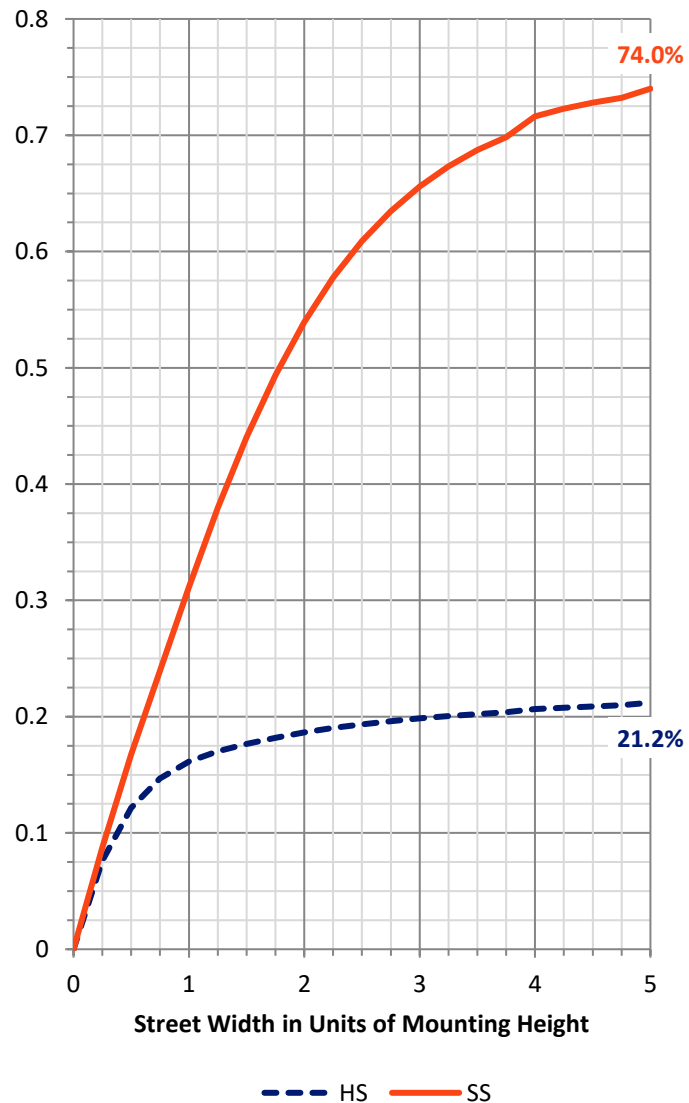
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1416.3	105.7	1522.0
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4720.4	85.5	4805.9
	% Fixture	74.6	1.4	75.9
Total	Lumens	6136.8	191.1	6327.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.1	0.9
10°-20°	141.5	2.2
20°-30°	244.7	3.9
30°-40°	433.6	6.9
40°-50°	672.2	10.6
50°-60°	1082.1	17.1
60°-70°	1591.3	25.1
70°-80°	1532.2	24.2
80°-90°	382.1	6.0
90°-100°	142.5	2.3
100°-110°	31.5	0.5
110°-120°	6.8	0.1
120°-130°	5.7	0.1
130°-140°	2.5	0.0
140°-150°	1.0	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6136.8	97.0
0°-180°	6327.9	100.0



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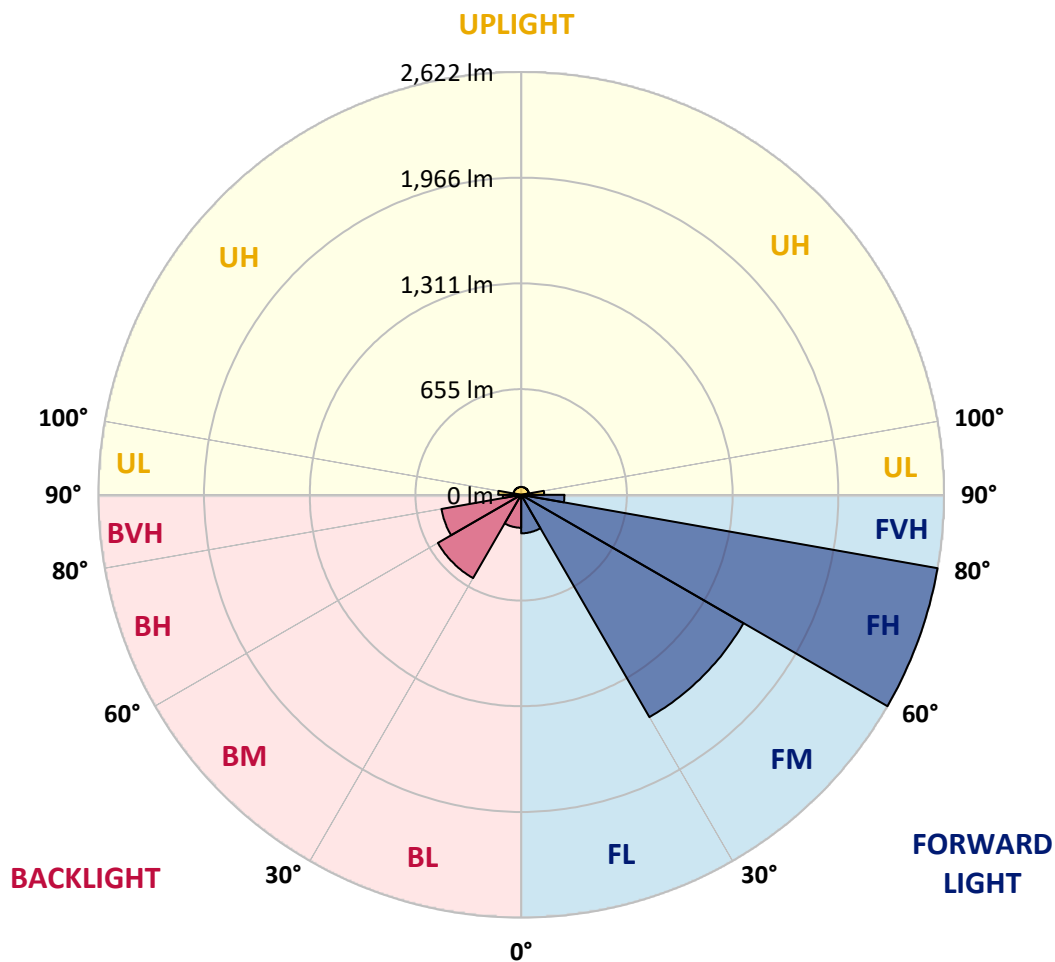
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.9	3.8			
FM	(30°-60°)	1591.6	25.2			
FH	(60°-80°)	2621.7	41.4			G2/5000
FVH	(80°-90°)	268.4	4.2			G3/500
BL	(0°-30°)	204.4	3.2	B1/500		
BM	(30°-60°)	596.3	9.4	B1/1000		
BH	(60°-80°)	501.8	7.9	B2/1000		G2/1000
BVH	(80°-90°)	113.7	1.8			G2/225
UL	(90°-100°)	142.5	2.3		U3/500	
UH	(100°-180°)	48.6	0.8		U2/50	

BUG Rating: B2-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0
2.5°	624.7	684.5	674.5	682.0	682.0	684.5	687.0	687.0	689.4	687.0	687.0
5°	637.2	634.7	629.7	624.7	619.8	612.3	612.3	612.3	672.0	677.0	672.0
7.5°	594.9	647.1	642.2	632.2	632.2	624.7	614.8	604.8	587.4	582.4	589.9
10°	672.0	669.5	662.1	647.1	592.4	602.3	540.1	487.8	467.9	480.4	512.7
12.5°	597.4	639.7	657.1	657.1	587.4	505.3	450.5	480.4	462.9	413.2	450.5
15°	704.4	699.4	679.5	647.1	515.2	512.7	482.9	423.1	430.6	467.9	502.8
17.5°	602.3	602.3	674.5	617.3	530.2	430.6	428.1	475.4	435.6	415.7	435.6
20°	726.8	724.3	701.9	512.7	535.1	527.7	435.6	485.4	415.7	477.9	522.7
22.5°	617.3	612.3	647.1	614.8	510.2	532.6	408.2	460.5	495.3	438.1	405.7
25°	726.8	731.8	721.8	547.6	579.9	482.9	492.8	525.2	455.5	555.0	577.4
27.5°	639.7	639.7	612.3	612.3	537.6	579.9	462.9	492.8	542.6	599.8	704.4
30°	784.0	786.5	769.1	589.9	594.9	557.5	537.6	572.5	652.1	779.0	826.3
32.5°	958.3	958.3	823.9	704.4	597.4	672.0	567.5	624.7	739.2	803.9	866.2
35°	1067.8	1055.3	995.6	791.5	644.6	687.0	642.2	664.6	766.6	861.2	906.0
37.5°	1224.6	1219.6	1159.9	868.7	691.9	731.8	667.0	691.9	816.4	903.5	955.8
40°	1441.1	1416.2	1364.0	1003.1	749.2	771.6	696.9	726.8	876.1	958.3	1020.5
42.5°	1612.9	1617.8	1580.5	1162.4	843.8	828.8	749.2	771.6	940.8	1042.9	1112.6
45°	1772.2	1767.2	1774.6	1354.0	960.7	920.9	841.3	843.8	1023.0	1147.4	1242.0
47.5°	1881.7	1879.2	1896.6	1533.2	1110.1	1037.9	943.3	933.4	1117.6	1326.6	1418.7
50°	2013.6	2006.1	1996.2	1724.9	1279.3	1164.8	1077.7	1042.9	1239.5	1528.2	1642.7
52.5°	2175.4	2157.9	2125.6	1874.2	1466.0	1326.6	1229.6	1182.3	1403.8	1754.7	1901.6
55°	2329.7	2304.8	2277.4	2041.0	1637.7	1488.4	1383.9	1356.5	1617.8	1988.7	2177.9
57.5°	2481.5	2469.1	2446.7	2262.5	1856.8	1657.7	1540.7	1535.7	1866.7	2215.2	2474.0
60°	2623.4	2603.5	2633.3	2501.4	2060.9	1836.9	1712.4	1749.8	2140.5	2441.7	2802.6
62.5°	2710.5	2703.0	2767.7	2720.5	2250.0	2036.0	1909.0	1973.8	2404.4	2663.2	3093.8
65°	2581.1	2601.0	2857.3	2857.3	2469.1	2272.4	2148.0	2187.8	2653.2	2887.2	3360.1
67.5°	2344.6	2372.0	2720.5	2934.5	2665.7	2538.8	2409.3	2431.7	2874.8	3068.9	3576.7
70°	2143.0	2162.9	2486.5	2939.5	2790.1	2847.4	2660.7	2640.8	3046.5	3220.7	3656.3
72.5°	1966.3	1993.7	2260.0	2909.6	2912.1	3198.3	2959.4	2839.9	3203.3	3278.0	3402.4
75°	1558.1	1545.7	1846.8	2558.7	2951.9	3581.6	3310.3	3061.4	3280.5	3081.4	2668.2
77.5°	766.6	799.0	1052.8	1647.7	2491.5	3666.3	3502.0	3171.0	3081.4	2581.1	1665.1
80°	226.5	234.0	293.7	589.9	1431.2	2887.2	2892.2	2623.4	2317.2	1508.3	751.7
82.5°	126.9	129.4	169.3	256.4	587.4	1829.4	1904.1	1575.5	1025.5	557.5	375.8
85°	67.2	69.7	87.1	134.4	298.7	729.3	774.1	602.3	495.3	363.4	276.3
87.5°	32.4	32.4	29.9	44.8	109.5	176.7	196.6	224.0	199.1	186.7	229.0
90°	27.4	27.4	22.4	24.9	59.7	126.9	154.3	171.7	156.8	171.7	251.4
92.5°	29.9	29.9	22.4	24.9	64.7	141.9	169.3	191.7	166.8	184.2	278.8
95°	27.4	29.9	19.9	22.4	64.7	174.2	204.1	209.1	171.7	201.6	298.7
97.5°	22.4	22.4	14.9	17.4	57.2	204.1	224.0	216.5	151.8	154.3	238.9
100°	17.4	17.4	10.0	14.9	39.8	164.3	191.7	181.7	99.6	24.9	59.7
102.5°	14.9	14.9	7.5	12.4	17.4	79.6	102.0	99.6	59.7	14.9	12.4
105°	14.9	14.9	7.5	10.0	10.0	22.4	34.8	44.8	24.9	7.5	12.4
107.5°	14.9	14.9	7.5	5.0	5.0	10.0	12.4	12.4	12.4	7.5	14.9
110°	17.4	17.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.5	14.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	14.9	14.9	5.0	5.0	2.5	5.0	5.0	5.0	5.0	7.5	14.9
115°	12.4	12.4	2.5	5.0	2.5	2.5	5.0	2.5	5.0	5.0	12.4
117.5°	12.4	10.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	14.9
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	5.0	10.0	17.4
122.5°	12.4	12.4	5.0	2.5	0.0	2.5	2.5	2.5	5.0	10.0	19.9
125°	14.9	12.4	5.0	2.5	0.0	0.0	2.5	2.5	2.5	10.0	17.4
127.5°	12.4	10.0	5.0	2.5	0.0	0.0	2.5	2.5	2.5	7.5	14.9
130°	12.4	10.0	5.0	0.0	0.0	0.0	2.5	2.5	2.5	7.5	12.4
132.5°	10.0	7.5	5.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	10.0
135°	7.5	7.5	2.5	0.0	2.5	0.0	2.5	2.5	2.5	2.5	7.5
137.5°	5.0	5.0	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
140°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.5	7.5	7.5	5.0	2.5	2.5	2.5	5.0	2.5	2.5	2.5
152.5°	7.5	7.5	7.5	5.0	0.0	0.0	2.5	2.5	5.0	2.5	2.5
155°	5.0	5.0	5.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
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°	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0	687.0
2.5°	684.5	682.0	679.5	677.0	672.0	667.0	654.6	602.3	602.3	604.8	604.8
5°	672.0	669.5	662.1	614.8	587.4	572.5	577.4	577.4	577.4	579.9	584.9
7.5°	587.4	584.9	550.1	547.6	557.5	570.0	577.4	565.0	540.1	540.1	540.1
10°	512.7	510.2	448.0	435.6	448.0	477.9	555.0	570.0	579.9	582.4	587.4
12.5°	448.0	440.5	385.8	425.6	398.2	448.0	517.7	575.0	522.7	512.7	512.7
15°	497.8	495.3	430.6	373.3	375.8	448.0	410.7	540.1	570.0	575.0	577.4
17.5°	435.6	430.6	395.7	393.3	415.7	360.9	455.5	515.2	490.3	497.8	497.8
20°	520.2	517.7	453.0	375.8	370.9	440.5	403.2	467.9	557.5	575.0	577.4
22.5°	403.2	403.2	415.7	440.5	400.7	420.6	430.6	495.3	477.9	487.8	517.7
25°	572.5	567.5	502.8	395.7	430.6	405.7	450.5	470.4	552.6	572.5	577.4
27.5°	694.4	682.0	540.1	445.5	388.3	435.6	433.1	455.5	467.9	545.1	555.0
30°	818.9	806.4	694.4	500.3	403.2	375.8	413.2	487.8	562.5	575.0	584.9
32.5°	863.7	853.7	709.4	530.2	405.7	400.7	410.7	487.8	617.3	667.0	677.0
35°	911.0	898.5	724.3	517.7	395.7	373.3	388.3	502.8	614.8	647.1	654.6
37.5°	968.2	945.8	741.7	492.8	368.4	353.4	370.9	458.0	584.9	617.3	622.2
40°	1040.4	1018.0	764.1	465.4	341.0	328.5	338.5	425.6	512.7	540.1	552.6
42.5°	1149.9	1107.6	774.1	443.0	316.1	303.7	313.6	383.3	450.5	467.9	475.4
45°	1291.8	1217.1	789.0	413.2	293.7	276.3	291.2	350.9	383.3	383.3	383.3
47.5°	1466.0	1346.5	796.5	388.3	266.3	251.4	266.3	318.6	336.0	326.1	323.6
50°	1680.1	1510.8	833.8	358.4	243.9	231.5	256.4	281.3	288.7	293.7	293.7
52.5°	1931.4	1700.0	856.2	328.5	229.0	221.5	246.4	263.8	266.3	271.3	271.3
55°	2205.2	1906.6	868.7	301.2	219.0	209.1	236.5	253.9	253.9	258.9	258.9
57.5°	2489.0	2145.5	901.0	281.3	209.1	199.1	226.5	256.4	246.4	256.4	258.9
60°	2787.7	2367.0	873.6	261.3	194.1	191.7	229.0	273.8	271.3	283.7	286.2
62.5°	3068.9	2543.7	751.7	243.9	184.2	194.1	256.4	308.6	301.2	321.1	321.1
65°	3228.2	2603.5	552.6	234.0	176.7	209.1	283.7	343.5	318.6	328.5	323.6
67.5°	3263.0	2543.7	398.2	221.5	174.2	234.0	303.7	350.9	316.1	326.1	326.1
70°	3180.9	2404.4	321.1	211.6	171.7	236.5	308.6	350.9	318.6	341.0	336.0
72.5°	2810.1	2045.9	273.8	201.6	171.7	231.5	316.1	353.4	326.1	363.4	355.9
75°	2118.1	1530.7	241.4	191.7	161.8	224.0	321.1	355.9	316.1	355.9	350.9
77.5°	1259.4	873.6	214.1	179.2	149.3	216.5	316.1	355.9	308.6	350.9	346.0
80°	532.6	410.7	181.7	156.8	136.9	206.6	311.1	353.4	296.2	341.0	333.5
82.5°	336.0	278.8	154.3	129.4	134.4	204.1	313.6	348.5	291.2	343.5	318.6
85°	271.3	229.0	131.9	109.5	124.4	209.1	301.2	316.1	251.4	296.2	288.7
87.5°	229.0	191.7	59.7	47.3	92.1	161.8	229.0	236.5	181.7	231.5	221.5
90°	251.4	209.1	57.2	39.8	82.1	141.9	211.6	206.6	174.2	221.5	219.0
92.5°	273.8	221.5	54.8	42.3	92.1	154.3	231.5	209.1	184.2	224.0	221.5
95°	283.7	226.5	52.3	44.8	109.5	169.3	246.4	204.1	194.1	206.6	204.1
97.5°	214.1	164.3	49.8	47.3	114.5	191.7	231.5	171.7	126.9	126.9	124.4
100°	54.8	54.8	44.8	44.8	77.2	139.4	176.7	126.9	72.2	54.8	57.2
102.5°	14.9	17.4	39.8	42.3	42.3	62.2	99.6	82.1	47.3	7.5	7.5
105°	14.9	14.9	27.4	32.4	22.4	19.9	39.8	44.8	34.8	5.0	7.5
107.5°	14.9	14.9	12.4	17.4	7.5	10.0	10.0	12.4	12.4	5.0	5.0
110°	17.4	14.9	7.5	7.5	5.0	5.0	5.0	5.0	5.0	10.0	10.0



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CATALOG NUMBER: SDL-PA1-80-722-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.4	14.9	7.5	5.0	5.0	5.0	5.0	5.0	5.0	12.4	12.4
115°	14.9	12.4	7.5	5.0	5.0	5.0	5.0	2.5	5.0	14.9	14.9
117.5°	17.4	14.9	7.5	5.0	2.5	5.0	5.0	2.5	5.0	17.4	17.4
120°	19.9	17.4	7.5	5.0	2.5	2.5	2.5	2.5	7.5	17.4	17.4
122.5°	19.9	19.9	10.0	2.5	2.5	2.5	2.5	2.5	7.5	17.4	17.4
125°	19.9	17.4	7.5	2.5	2.5	2.5	0.0	2.5	7.5	17.4	19.9
127.5°	14.9	14.9	7.5	2.5	2.5	2.5	0.0	2.5	7.5	14.9	17.4
130°	12.4	12.4	5.0	2.5	2.5	2.5	0.0	2.5	7.5	14.9	14.9
132.5°	10.0	10.0	5.0	2.5	2.5	0.0	0.0	0.0	7.5	12.4	12.4
135°	7.5	7.5	2.5	2.5	2.5	0.0	0.0	0.0	5.0	10.0	10.0
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	5.0	2.5	5.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	5.0	5.0	5.0
155°	5.0	5.0	5.0	2.5	2.5	0.0	0.0	0.0	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	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

(END OF REPORT)