

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: P561019

Luminaire Tested: **SDL-PA1-80-722-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561019
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5215.2 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G1

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

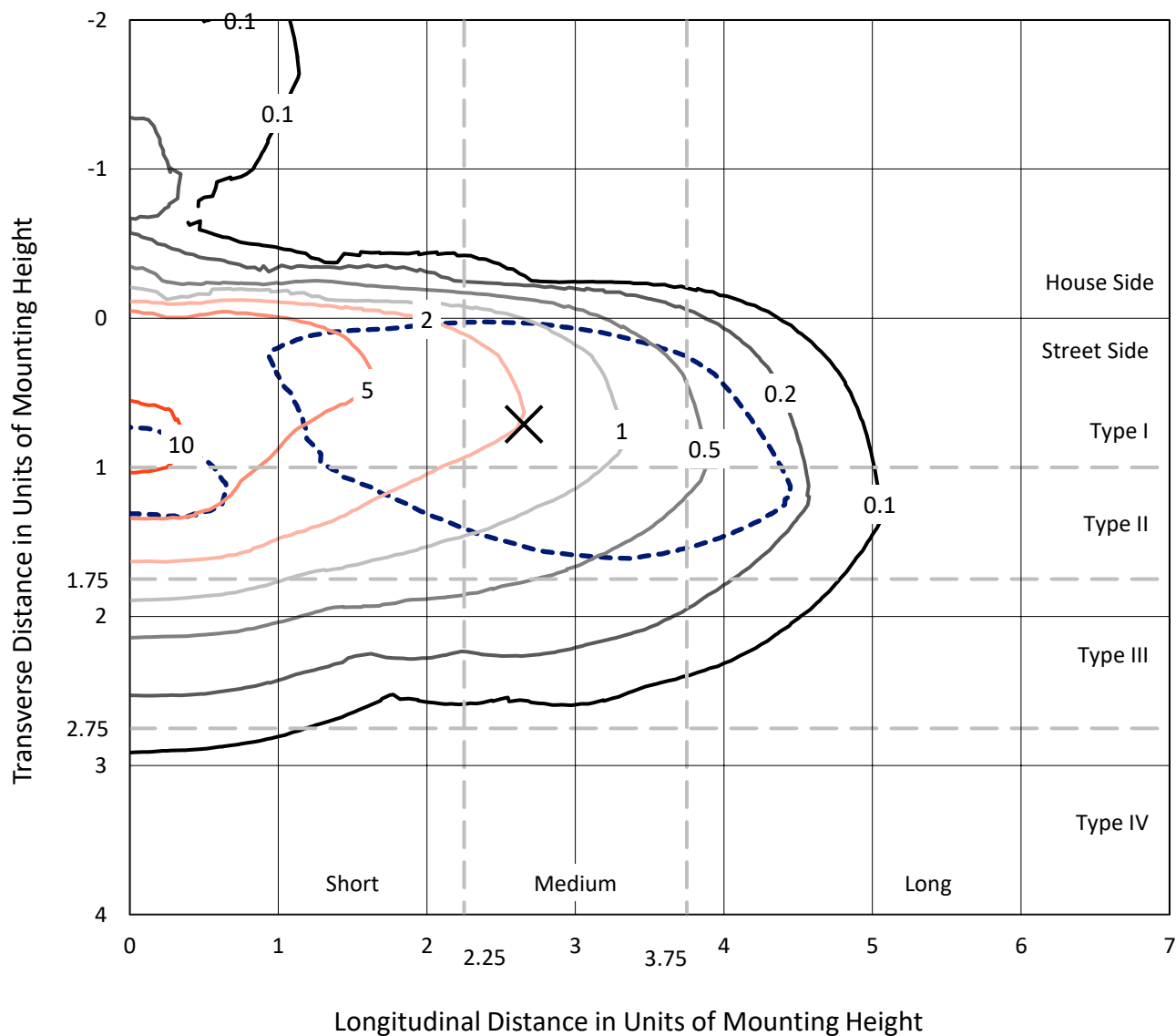


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

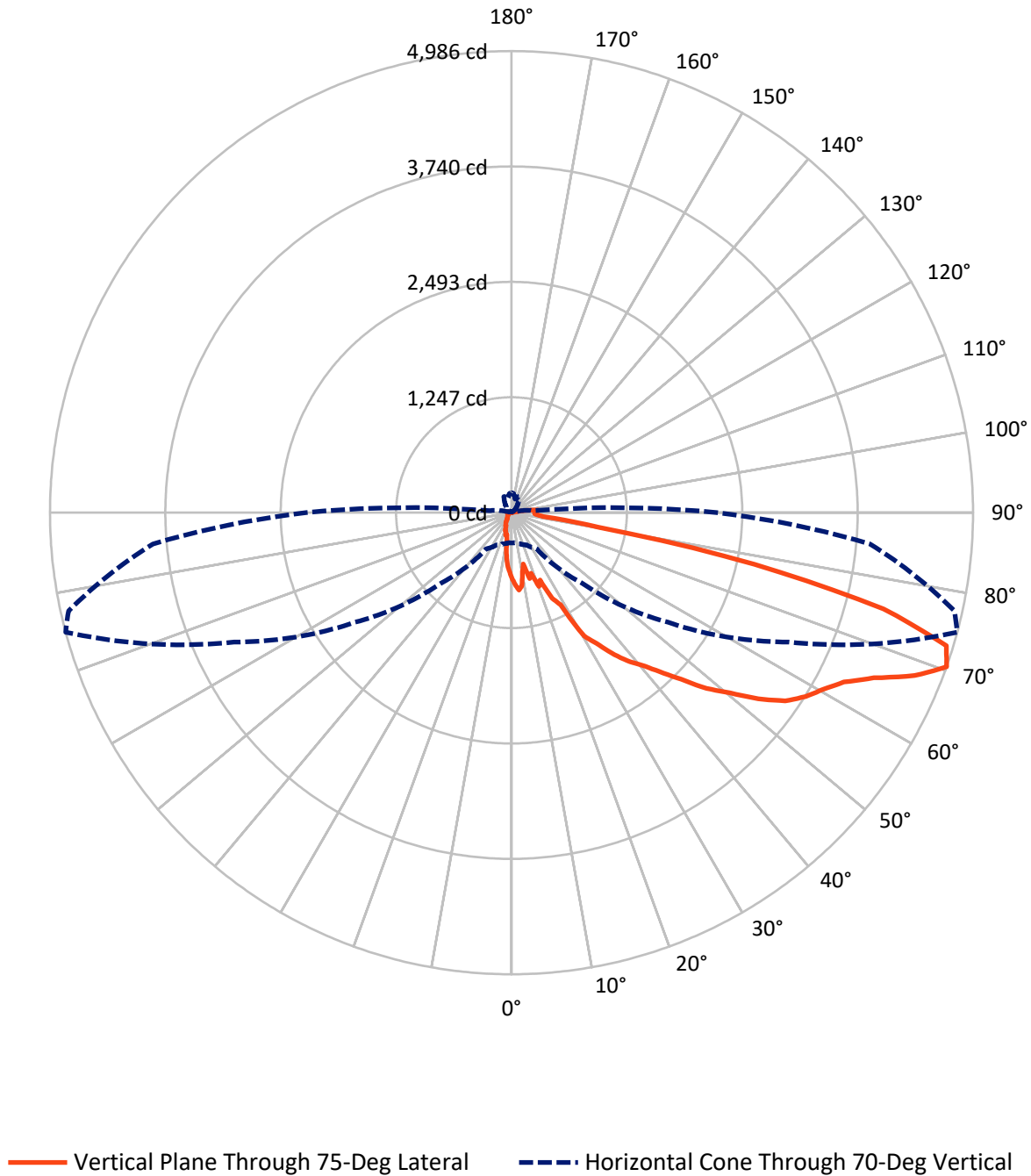


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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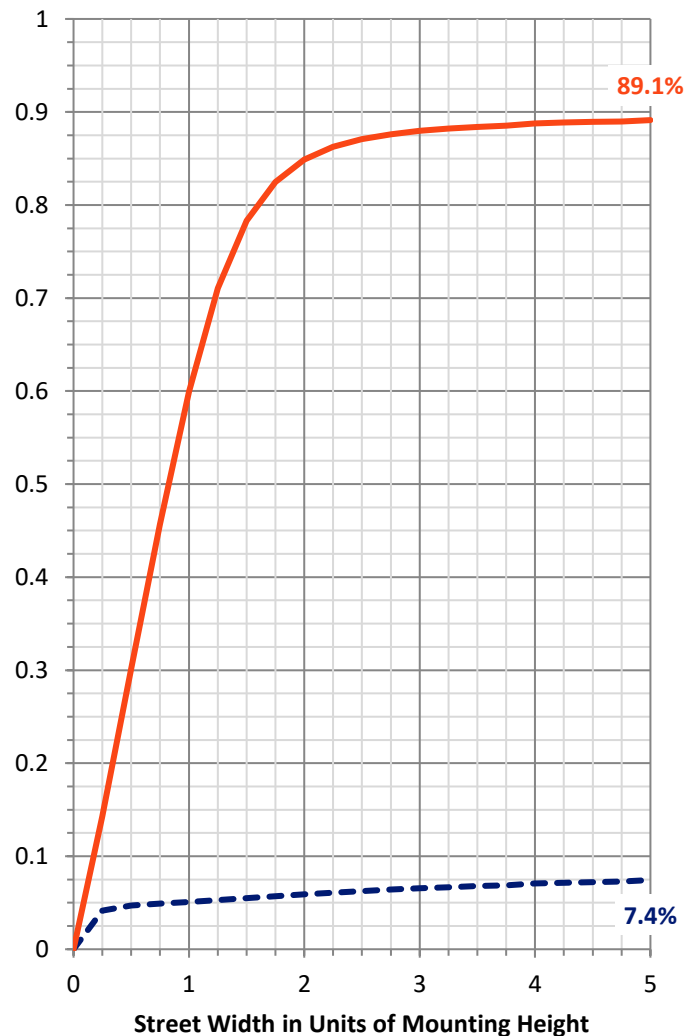
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	424.9	52.8	477.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4670.9	66.5	4737.4
	% Fixture	89.6	1.3	90.8
Total	Lumens	5095.9	119.3	5215.2
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.1
10°-20°	137.6	2.6
20°-30°	258.1	4.9
30°-40°	579.2	11.1
40°-50°	953.2	18.3
50°-60°	1168.4	22.4
60°-70°	1094.3	21.0
70°-80°	712.7	13.7
80°-90°	136.1	2.6
90°-100°	78.1	1.5
100°-110°	17.6	0.3
110°-120°	8.9	0.2
120°-130°	7.5	0.1
130°-140°	3.7	0.1
140°-150°	1.8	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5095.9	97.7
0°-180°	5215.2	100.0

Coefficient of Utilization



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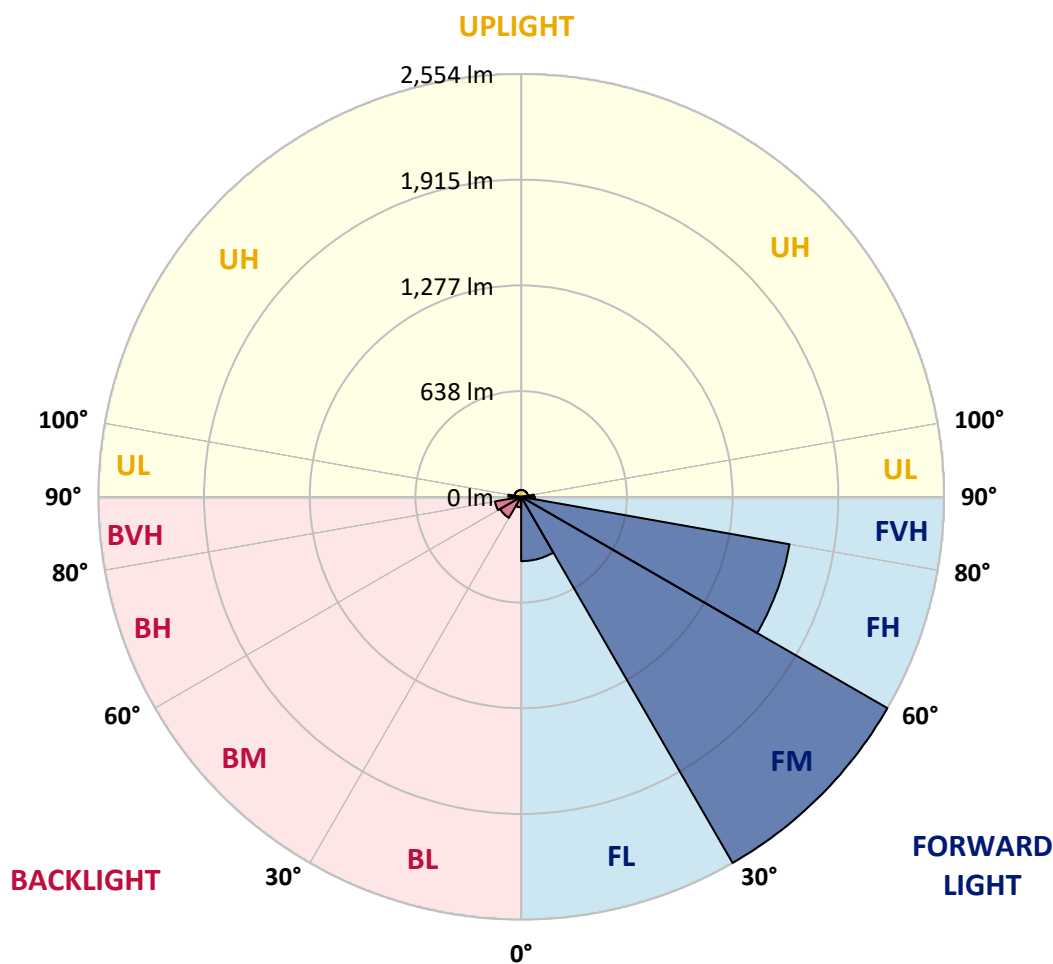
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.5	7.4			
FM	(30°-60°)	2553.9	49.0			
FH	(60°-80°)	1646.1	31.6			G1/1800
FVH	(80°-90°)	82.4	1.6			G1/100
BL	(0°-30°)	63.5	1.2	B0/110		
BM	(30°-60°)	146.9	2.8	B0/220		
BH	(60°-80°)	160.9	3.1	B1/500		G1/500
BVH	(80°-90°)	53.7	1.0			G1/100
UL	(90°-100°)	78.1	1.5		U3/500	
UH	(100°-180°)	41.2	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5
2.5°	791.6	841.4	856.4	881.3	893.7	878.8	851.4	816.5	779.2	769.2	736.9
5°	898.7	888.7	881.3	881.3	866.3	834.0	804.1	896.2	838.9	826.5	761.8
7.5°	816.5	893.7	951.0	955.9	948.5	923.6	881.3	786.7	799.1	784.2	704.5
10°	988.3	990.8	980.8	988.3	918.6	883.7	746.8	689.6	644.8	704.5	632.3
12.5°	819.0	941.0	1010.7	1035.6	948.5	834.0	764.3	734.4	570.1	555.1	572.6
15°	1000.7	1005.7	1013.2	988.3	769.2	873.8	709.5	654.7	739.4	719.4	707.0
17.5°	791.6	801.6	970.9	960.9	891.2	692.1	843.9	751.8	687.1	662.2	644.8
20°	1008.2	1010.7	1008.2	764.3	831.5	931.0	794.1	769.2	851.4	841.4	796.6
22.5°	846.4	846.4	903.7	980.8	873.8	933.5	809.1	958.4	791.6	786.7	592.5
25°	1170.0	1170.0	1130.2	866.3	990.8	878.8	960.9	861.3	1023.2	988.3	888.7
27.5°	1137.7	1102.8	1040.6	1092.9	958.4	1100.3	931.0	1050.5	1127.7	1160.1	1107.8
30°	1580.8	1580.8	1513.6	1170.0	1122.7	1063.0	1075.4	1257.2	1545.9	1550.9	1339.3
32.5°	2140.9	2101.1	1745.1	1508.6	1227.3	1334.3	1214.8	1478.7	1680.4	1672.9	1424.0
35°	2369.9	2357.5	2248.0	1852.1	1421.5	1461.3	1369.2	1563.4	1862.1	1812.3	1526.0
37.5°	2603.9	2584.0	2472.0	2046.3	1625.6	1677.9	1483.7	1687.8	2028.9	1956.7	1638.0
40°	2748.3	2750.8	2671.2	2200.7	1787.4	1814.8	1620.6	1839.7	2163.3	2178.2	1735.1
42.5°	2900.2	2897.7	2833.0	2382.4	1921.8	1956.7	1730.2	1984.1	2345.0	2362.5	1899.4
45°	2982.3	2977.4	2940.0	2506.9	2028.9	2053.8	1899.4	2160.8	2566.6	2561.6	2033.9
47.5°	3002.2	3009.7	3007.2	2628.8	2140.9	2150.9	2051.3	2290.3	2835.5	2780.7	2210.6
50°	2890.2	2895.2	2930.1	2725.9	2223.1	2233.0	2170.8	2437.1	3062.0	2997.3	2369.9
52.5°	2579.0	2608.9	2755.8	2666.2	2257.9	2295.3	2282.8	2549.2	3338.3	3258.7	2566.6
55°	1916.9	1986.6	2322.6	2442.1	2240.5	2297.7	2382.4	2753.3	3589.8	3492.7	2725.9
57.5°	1528.5	1541.0	1740.1	2068.7	2098.6	2285.3	2486.9	2877.8	3746.6	3649.5	2840.4
60°	1207.4	1227.3	1356.7	1620.6	1832.2	2210.6	2516.8	3004.7	3871.1	3788.9	2967.4
62.5°	936.0	933.5	1033.1	1209.9	1476.2	2053.8	2477.0	3081.9	4030.4	3968.1	3193.9
65°	652.2	652.2	736.9	878.8	1117.8	1772.5	2397.3	3191.4	4301.7	4284.3	3475.2
67.5°	445.6	455.6	512.8	582.5	766.7	1441.4	2277.8	3303.5	4697.5	4615.4	3746.6
70°	326.1	326.1	348.5	385.9	478.0	1075.4	2063.7	3306.0	4986.3	4901.7	3888.5
72.5°	241.5	241.5	258.9	276.3	301.2	714.5	1692.8	3096.8	4911.6	4777.2	3599.7
75°	127.0	127.0	196.7	204.1	201.6	463.0	1249.7	2544.2	4152.4	3928.3	2818.0
77.5°	99.6	102.1	112.0	159.3	146.9	303.7	697.0	1565.8	2683.6	2409.8	1526.0
80°	72.2	69.7	87.1	102.1	87.1	176.7	328.6	687.1	951.0	824.0	502.9
82.5°	42.3	44.8	52.3	74.7	74.7	124.5	214.1	301.2	341.1	338.6	301.2
85°	5.0	7.5	27.4	49.8	44.8	72.2	179.2	209.1	268.9	273.8	268.9
87.5°	5.0	5.0	7.5	10.0	12.4	47.3	151.9	181.7	248.9	266.4	268.9
90°	10.0	7.5	5.0	5.0	7.5	37.3	141.9	186.7	263.9	268.9	281.3
92.5°	12.4	10.0	5.0	2.5	7.5	29.9	134.4	186.7	273.8	291.3	303.7
95°	17.4	14.9	5.0	2.5	7.5	24.9	114.5	176.7	286.3	316.2	328.6
97.5°	22.4	19.9	5.0	5.0	7.5	19.9	89.6	139.4	189.2	214.1	231.5
100°	24.9	24.9	5.0	5.0	7.5	12.4	44.8	77.2	59.7	57.3	64.7
102.5°	27.4	27.4	5.0	5.0	5.0	7.5	14.9	32.4	12.4	12.4	19.9
105°	27.4	27.4	5.0	5.0	5.0	5.0	5.0	12.4	10.0	12.4	22.4
107.5°	24.9	27.4	5.0	7.5	7.5	5.0	5.0	5.0	10.0	14.9	22.4
110°	22.4	22.4	5.0	7.5	7.5	5.0	2.5	5.0	10.0	14.9	24.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	17.4	12.4	2.5	7.5	5.0	5.0	2.5	5.0	12.4	17.4	24.9
115°	7.5	5.0	2.5	5.0	5.0	5.0	2.5	5.0	12.4	19.9	24.9
117.5°	5.0	2.5	2.5	2.5	2.5	5.0	2.5	7.5	17.4	22.4	29.9
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5	22.4	24.9	34.9
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	22.4	24.9	34.9
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	17.4	22.4	29.9
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4	17.4	24.9
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	12.4	14.9	19.9
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	7.5	10.0	14.9
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	10.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	2.5	2.5
150°	5.0	7.5	12.4	10.0	5.0	2.5	5.0	2.5	2.5	2.5	2.5
152.5°	12.4	12.4	10.0	10.0	2.5	2.5	5.0	5.0	2.5	2.5	2.5
155°	10.0	10.0	7.5	2.5	2.5	2.5	2.5	5.0	7.5	10.0	7.5
157.5°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	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°	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5	709.5
2.5°	712.0	687.1	632.3	590.0	545.2	520.3	473.0	433.2	403.3	398.3	398.3
5°	712.0	662.2	565.1	460.5	363.5	313.7	286.3	268.9	256.4	251.4	248.9
7.5°	637.3	572.6	443.1	321.1	278.8	234.0	201.6	176.7	154.3	146.9	139.4
10°	557.6	478.0	301.2	221.6	176.7	146.9	131.9	124.5	117.0	114.5	114.5
12.5°	495.4	413.2	241.5	181.7	124.5	104.6	99.6	94.6	92.1	89.6	87.1
15°	604.9	495.4	251.4	124.5	87.1	74.7	69.7	72.2	77.2	77.2	77.2
17.5°	560.1	435.6	209.1	94.6	72.2	54.8	59.7	64.7	69.7	62.2	59.7
20°	669.7	512.8	204.1	74.7	59.7	54.8	52.3	44.8	57.3	57.3	57.3
22.5°	485.4	388.4	154.3	69.7	49.8	47.3	39.8	44.8	47.3	39.8	39.8
25°	719.4	505.4	151.9	54.8	49.8	37.3	39.8	32.4	39.8	39.8	39.8
27.5°	891.2	597.5	134.4	57.3	42.3	37.3	29.9	32.4	29.9	29.9	29.9
30°	1060.5	672.1	122.0	57.3	39.8	29.9	27.4	24.9	29.9	29.9	29.9
32.5°	1110.3	654.7	97.1	59.7	37.3	27.4	22.4	24.9	24.9	27.4	27.4
35°	1167.5	639.8	82.2	52.3	34.9	24.9	19.9	22.4	24.9	27.4	27.4
37.5°	1222.3	614.9	74.7	47.3	29.9	22.4	17.4	19.9	52.3	57.3	57.3
40°	1292.0	585.0	69.7	42.3	24.9	17.4	14.9	39.8	47.3	54.8	54.8
42.5°	1391.6	567.6	64.7	39.8	22.4	14.9	14.9	34.9	67.2	74.7	74.7
45°	1473.7	537.7	62.2	34.9	19.9	12.4	24.9	47.3	54.8	69.7	67.2
47.5°	1575.8	510.3	59.7	32.4	17.4	12.4	27.4	49.8	69.7	79.7	79.7
50°	1685.3	495.4	57.3	29.9	17.4	12.4	47.3	47.3	57.3	89.6	89.6
52.5°	1824.7	485.4	52.3	24.9	14.9	24.9	64.7	57.3	69.7	92.1	92.1
55°	1892.0	453.1	49.8	22.4	12.4	24.9	69.7	64.7	72.2	97.1	97.1
57.5°	1951.7	420.7	44.8	22.4	12.4	32.4	74.7	82.2	69.7	84.6	94.6
60°	2006.5	388.4	39.8	19.9	12.4	39.8	82.2	114.5	97.1	114.5	114.5
62.5°	2133.4	363.5	34.9	22.4	10.0	44.8	107.0	139.4	109.5	139.4	136.9
65°	2252.9	333.6	32.4	19.9	12.4	52.3	117.0	161.8	119.5	161.8	161.8
67.5°	2300.2	296.2	29.9	19.9	12.4	59.7	117.0	179.2	141.9	181.7	184.2
70°	2218.1	244.0	27.4	22.4	14.9	67.2	122.0	191.7	151.9	211.6	211.6
72.5°	1884.5	166.8	27.4	24.9	29.9	74.7	144.4	199.2	159.3	253.9	256.4
75°	1406.5	94.6	29.9	27.4	32.4	84.6	159.3	206.6	166.8	256.4	256.4
77.5°	801.6	64.7	29.9	32.4	39.8	84.6	166.8	214.1	164.3	251.4	246.5
80°	278.8	47.3	29.9	37.3	49.8	84.6	169.3	211.6	159.3	234.0	234.0
82.5°	189.2	39.8	29.9	37.3	59.7	89.6	166.8	199.2	141.9	196.7	189.2
85°	176.7	32.4	32.4	39.8	64.7	89.6	151.9	171.8	119.5	146.9	144.4
87.5°	174.3	29.9	37.3	42.3	69.7	82.2	129.5	141.9	97.1	119.5	117.0
90°	181.7	29.9	39.8	44.8	64.7	67.2	104.6	119.5	79.7	94.6	92.1
92.5°	194.2	29.9	42.3	49.8	57.3	49.8	84.6	94.6	67.2	72.2	69.7
95°	206.6	29.9	47.3	52.3	47.3	37.3	64.7	77.2	54.8	52.3	52.3
97.5°	136.9	22.4	49.8	52.3	39.8	27.4	49.8	59.7	32.4	27.4	27.4
100°	44.8	17.4	52.3	54.8	37.3	19.9	42.3	44.8	24.9	12.4	12.4
102.5°	19.9	17.4	47.3	47.3	32.4	14.9	29.9	32.4	17.4	5.0	5.0
105°	17.4	10.0	27.4	34.9	22.4	7.5	14.9	17.4	10.0	5.0	5.0
107.5°	19.9	10.0	14.9	19.9	10.0	7.5	7.5	7.5	5.0	5.0	5.0
110°	19.9	10.0	7.5	12.4	10.0	7.5	5.0	5.0	5.0	7.5	7.5

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CATALOG NUMBER: SDL-PA1-80-722-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.4	10.0	7.5	10.0	7.5	7.5	5.0	5.0	10.0	17.4	17.4
115°	22.4	10.0	7.5	10.0	7.5	7.5	5.0	2.5	10.0	24.9	27.4
117.5°	24.9	12.4	5.0	7.5	5.0	5.0	5.0	2.5	12.4	32.4	32.4
120°	29.9	12.4	5.0	5.0	5.0	2.5	5.0	5.0	12.4	34.9	34.9
122.5°	29.9	14.9	5.0	5.0	5.0	2.5	2.5	5.0	14.9	32.4	34.9
125°	24.9	12.4	5.0	5.0	5.0	2.5	2.5	5.0	14.9	29.9	34.9
127.5°	19.9	12.4	5.0	5.0	5.0	2.5	2.5	5.0	14.9	24.9	27.4
130°	17.4	10.0	5.0	5.0	5.0	2.5	2.5	5.0	12.4	19.9	22.4
132.5°	12.4	7.5	5.0	5.0	5.0	2.5	2.5	2.5	12.4	19.9	19.9
135°	10.0	7.5	5.0	5.0	5.0	2.5	2.5	2.5	10.0	14.9	14.9
137.5°	5.0	2.5	5.0	5.0	5.0	2.5	2.5	2.5	7.5	7.5	7.5
140°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5
142.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
155°	5.0	5.0	2.5	5.0	2.5	2.5	0.0	2.5	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	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

(END OF REPORT)