

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: P560666

Luminaire Tested: **SDL-PA1-60-722-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560666
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-722-U-T2R-A
Description: Springdale
(1) 70 CRI, 2200K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4517.1 lumens
Efficiency: N/A
Efficacy: 72.4 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 - G2

Input Watts (W): 62.4
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

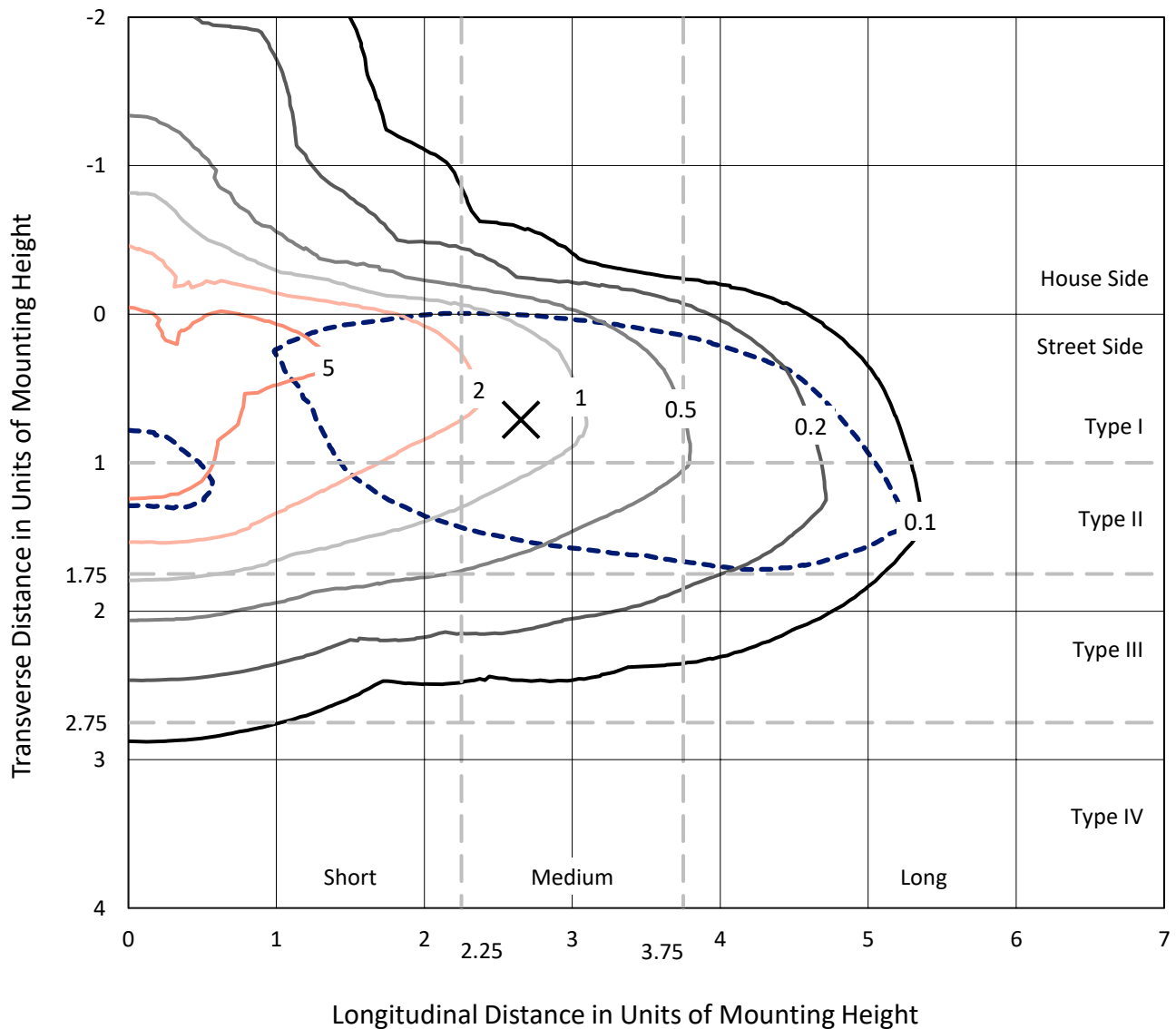


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

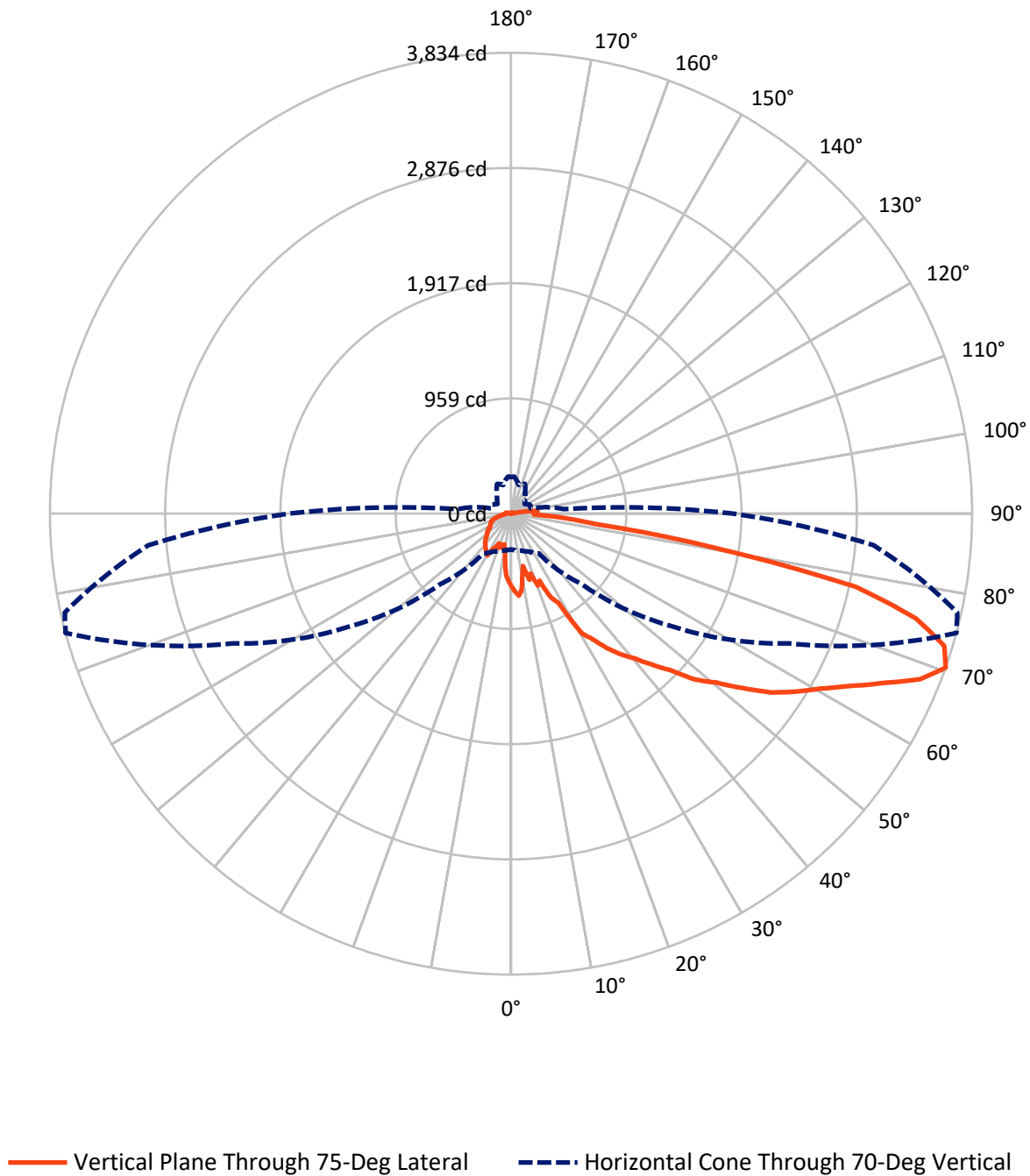


Based on 10 foot mounting height. Maximum calculated value = 9.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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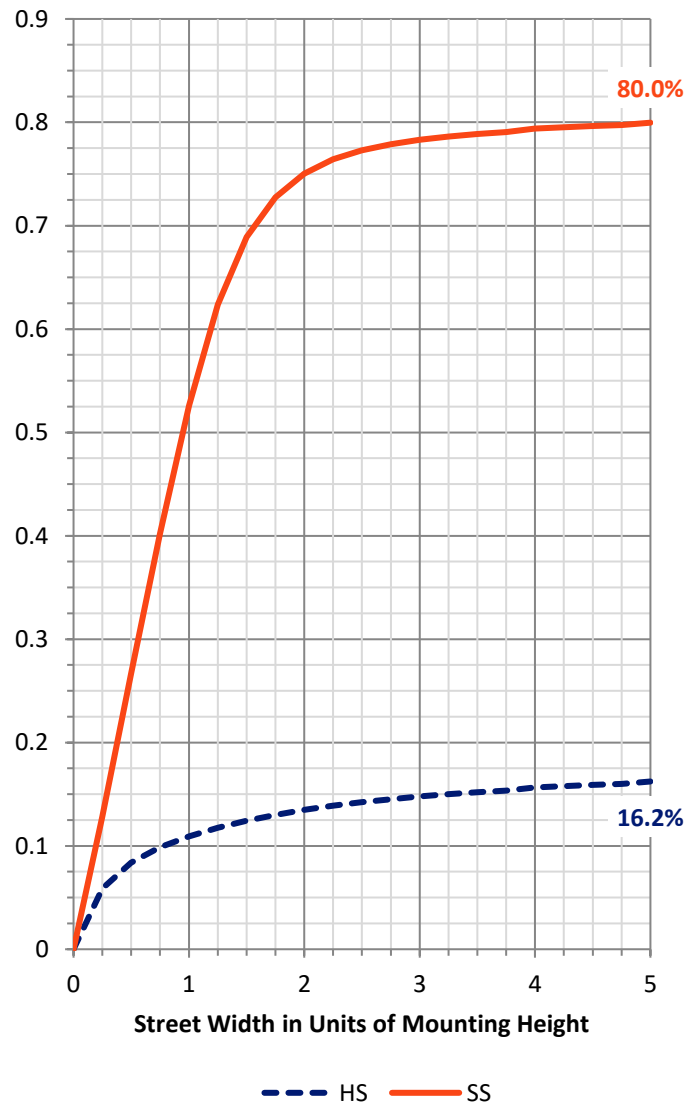
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.2	46.2	818.4
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	3640.2	58.4	3698.7
	% Fixture	80.6	1.3	81.9
Total	Lumens	4412.4	104.6	4517.1
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.1
10°-20°	131.7	2.9
20°-30°	237.9	5.3
30°-40°	486.0	10.8
40°-50°	763.3	16.9
50°-60°	937.3	20.7
60°-70°	932.2	20.6
70°-80°	689.5	15.3
80°-90°	184.2	4.1
90°-100°	68.1	1.5
100°-110°	15.9	0.4
110°-120°	7.5	0.2
120°-130°	6.7	0.1
130°-140°	3.3	0.1
140°-150°	1.6	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4412.4	97.7
0°-180°	4517.1	100.0

Coefficient of Utilization



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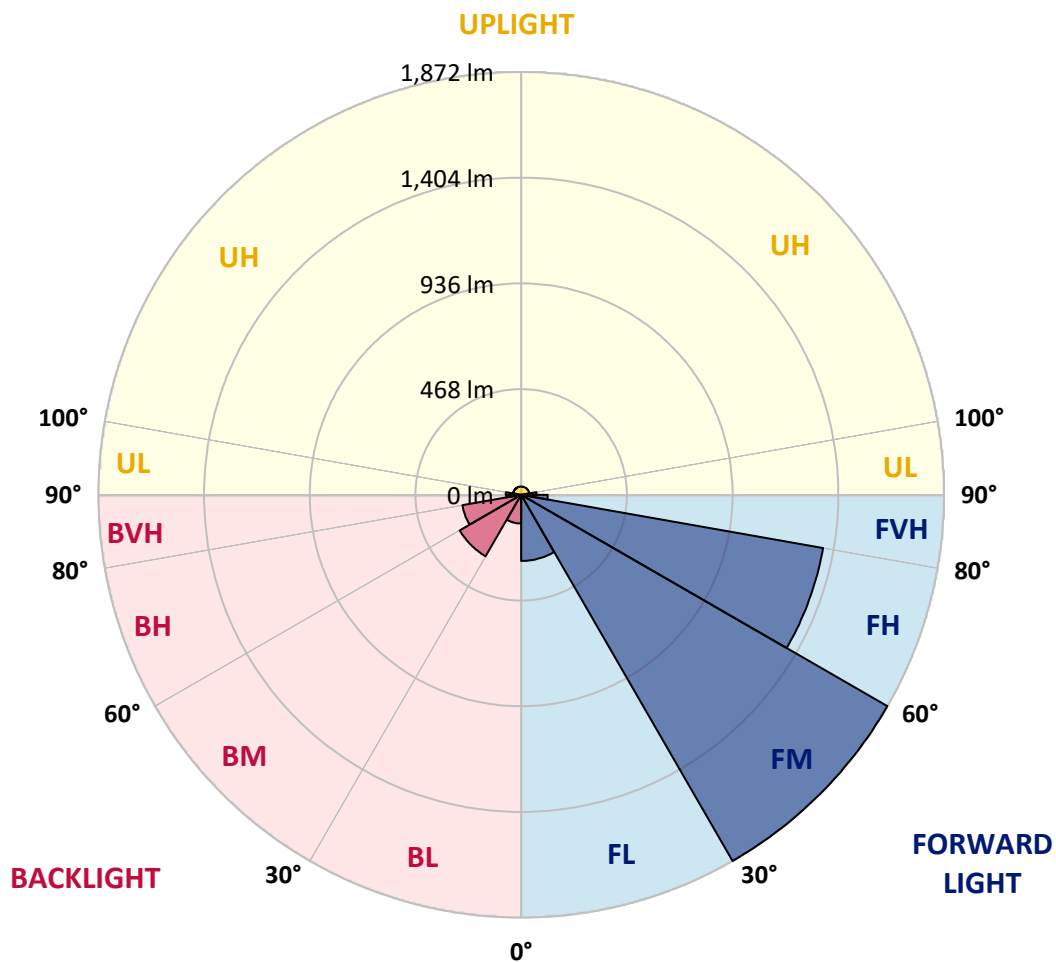
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.8	6.5			
FM	(30°-60°)	1872.4	41.5			
FH	(60°-80°)	1357.5	30.1			G1/1800
FVH	(80°-90°)	117.6	2.6			G2/225
BL	(0°-30°)	127.3	2.8	B1/500		
BM	(30°-60°)	314.2	7.0	B1/1000		
BH	(60°-80°)	264.1	5.8	B1/500		G1/500
BVH	(80°-90°)	66.6	1.5			G1/100
UL	(90°-100°)	68.1	1.5		U3/500	
UH	(100°-180°)	36.5	0.8		U2/50	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5
2.5°	628.4	663.7	679.6	697.2	713.1	704.3	690.2	669.0	649.6	642.5	621.3
5°	693.7	690.2	688.4	683.1	674.3	658.4	639.0	714.9	684.9	672.5	637.2
7.5°	610.8	707.8	718.4	729.0	725.5	706.1	681.4	612.5	639.0	623.1	579.0
10°	746.7	746.7	743.1	746.7	706.1	674.3	577.2	536.6	517.2	559.6	519.0
12.5°	635.5	691.9	762.6	776.7	714.9	626.6	586.0	566.6	446.6	441.3	473.1
15°	739.6	748.4	750.2	753.7	609.0	656.6	541.9	503.1	570.2	554.3	559.6
17.5°	594.9	603.7	718.4	711.4	654.9	524.3	633.7	568.4	524.3	504.8	497.8
20°	748.4	750.2	744.9	601.9	631.9	684.9	593.1	575.4	639.0	637.2	610.8
22.5°	637.2	639.0	658.4	725.5	653.1	691.9	596.6	718.4	605.5	607.2	471.3
25°	852.6	854.3	836.7	646.1	734.3	649.6	723.7	646.1	773.1	748.4	690.2
27.5°	894.9	829.6	762.6	801.4	700.8	806.7	688.4	782.0	840.2	834.9	843.8
30°	1135.0	1138.5	1092.6	877.3	820.8	796.1	794.3	928.5	1150.9	1159.7	1013.2
32.5°	1537.5	1516.3	1290.3	1082.1	884.4	970.8	891.4	1075.0	1244.5	1239.2	1085.6
35°	1721.0	1699.9	1615.1	1336.2	1022.0	1048.5	1006.2	1143.8	1373.3	1332.7	1158.0
37.5°	1876.4	1872.9	1802.2	1472.2	1161.5	1200.3	1075.0	1228.6	1484.5	1442.2	1232.1
40°	2010.5	1998.2	1936.4	1594.0	1304.5	1306.2	1161.5	1330.9	1583.4	1594.0	1304.5
42.5°	2121.7	2111.2	2060.0	1715.8	1389.2	1399.8	1253.3	1435.1	1715.8	1735.2	1417.4
45°	2167.6	2172.9	2137.6	1825.2	1465.1	1484.5	1362.7	1541.0	1857.0	1872.9	1518.1
47.5°	2201.2	2202.9	2194.1	1915.2	1546.3	1555.1	1470.4	1636.3	2061.7	2030.0	1636.3
50°	2125.3	2118.2	2127.0	1984.1	1616.9	1627.5	1560.4	1735.2	2208.2	2167.6	1759.9
52.5°	1925.8	1934.6	2026.4	1948.8	1639.9	1661.0	1645.1	1821.7	2411.2	2379.5	1936.4
55°	1424.5	1463.3	1728.1	1804.0	1638.1	1675.2	1722.8	1985.8	2624.8	2577.2	2086.4
57.5°	1152.7	1152.7	1308.0	1556.9	1548.1	1666.3	1802.2	2097.0	2794.3	2760.7	2236.5
60°	925.0	925.0	1009.7	1235.6	1373.3	1622.2	1883.4	2261.2	2954.9	2935.5	2368.9
62.5°	725.5	723.7	794.3	921.4	1126.2	1525.1	1925.8	2402.4	3156.1	3152.6	2580.7
65°	524.3	531.3	591.3	670.8	884.4	1343.3	1924.0	2529.5	3398.0	3408.6	2819.0
67.5°	388.3	391.9	425.4	483.7	607.2	1113.8	1839.3	2617.8	3671.6	3653.9	2970.8
70°	298.3	303.6	317.7	347.7	404.2	827.9	1634.6	2556.0	3834.0	3800.4	3027.3
72.5°	250.7	252.4	250.7	266.5	270.1	561.3	1309.8	2321.2	3766.9	3713.9	2871.9
75°	213.6	211.8	210.1	213.6	199.5	370.7	939.1	1964.6	3477.4	3385.6	2536.6
77.5°	183.6	181.8	174.8	176.5	158.9	273.6	640.8	1541.0	2930.2	2714.8	1906.4
80°	151.8	151.8	146.5	146.5	134.2	208.3	409.5	1062.6	1706.9	1535.7	992.0
82.5°	118.3	116.5	116.5	120.0	114.7	162.4	268.3	529.6	704.3	660.2	464.2
85°	63.5	63.5	72.4	81.2	79.4	98.8	204.8	312.4	416.6	402.5	259.5
87.5°	19.4	19.4	21.2	26.5	28.2	53.0	128.9	151.8	188.9	208.3	204.8
90°	21.2	19.4	14.1	15.9	17.7	38.8	120.0	146.5	190.6	211.8	217.1
92.5°	24.7	22.9	14.1	14.1	17.7	31.8	114.7	143.0	208.3	229.5	234.8
95°	26.5	24.7	14.1	14.1	17.7	28.2	102.4	141.2	222.4	250.7	250.7
97.5°	24.7	22.9	10.6	12.4	15.9	24.7	79.4	116.5	155.3	171.2	197.7
100°	21.2	21.2	7.1	10.6	14.1	17.7	45.9	63.5	45.9	44.1	44.1
102.5°	19.4	19.4	7.1	8.8	10.6	12.4	21.2	33.5	10.6	12.4	15.9
105°	19.4	21.2	5.3	7.1	7.1	7.1	10.6	17.7	8.8	10.6	15.9
107.5°	19.4	21.2	5.3	5.3	7.1	5.3	5.3	7.1	8.8	10.6	17.7
110°	17.7	17.7	3.5	5.3	5.3	5.3	3.5	5.3	8.8	12.4	17.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	12.4	12.4	3.5	5.3	5.3	5.3	3.5	5.3	8.8	12.4	17.7
115°	8.8	7.1	3.5	5.3	3.5	5.3	3.5	5.3	8.8	12.4	15.9
117.5°	7.1	5.3	3.5	3.5	3.5	3.5	1.8	5.3	10.6	14.1	19.4
120°	7.1	7.1	3.5	3.5	3.5	3.5	1.8	5.3	15.9	17.7	24.7
122.5°	7.1	7.1	3.5	3.5	3.5	3.5	1.8	3.5	14.1	19.4	26.5
125°	7.1	7.1	3.5	3.5	3.5	3.5	1.8	3.5	12.4	17.7	22.9
127.5°	7.1	7.1	3.5	1.8	3.5	3.5	3.5	3.5	10.6	14.1	19.4
130°	7.1	7.1	3.5	1.8	3.5	3.5	3.5	3.5	8.8	10.6	15.9
132.5°	5.3	5.3	3.5	1.8	3.5	1.8	1.8	3.5	7.1	8.8	12.4
135°	3.5	3.5	3.5	1.8	3.5	1.8	1.8	1.8	3.5	5.3	8.8
137.5°	1.8	3.5	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	3.5
140°	1.8	1.8	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	1.8	1.8	1.8	1.8	3.5	3.5	1.8	1.8	1.8	1.8	1.8
145°	1.8	1.8	1.8	1.8	5.3	3.5	1.8	1.8	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	7.1	5.3	3.5	1.8	1.8	1.8	1.8	1.8
150°	8.8	8.8	8.8	7.1	5.3	3.5	5.3	1.8	1.8	1.8	1.8
152.5°	8.8	8.8	10.6	5.3	3.5	1.8	1.8	7.1	5.3	3.5	3.5
155°	7.1	5.3	5.3	1.8	1.8	1.8	1.8	1.8	5.3	7.1	7.1
157.5°	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	3.5	1.8	1.8
160°	0.0	0.0	0.0	1.8	1.8	1.8	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°	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5
2.5°	609.0	594.9	561.3	536.6	506.6	480.1	457.2	406.0	397.2	391.9	390.1
5°	609.0	579.0	513.7	434.2	372.5	358.3	351.3	351.3	347.7	349.5	351.3
7.5°	540.1	499.5	400.7	338.9	349.5	349.5	351.3	342.4	314.2	317.7	312.4
10°	473.1	421.9	301.8	275.4	301.8	303.6	344.2	360.1	365.4	367.2	367.2
12.5°	436.0	363.6	261.2	270.1	243.6	278.9	328.3	367.2	333.6	316.0	316.0
15°	501.3	430.7	293.0	236.5	240.1	278.9	248.9	347.7	360.1	363.6	363.6
17.5°	450.1	379.5	268.3	243.6	268.3	229.5	280.7	319.5	305.4	289.5	287.7
20°	540.1	448.4	300.1	238.3	236.5	271.8	248.9	261.2	326.6	328.3	326.6
22.5°	420.1	358.3	266.5	270.1	236.5	259.5	245.4	270.1	257.7	256.0	257.7
25°	582.5	464.2	307.1	233.0	247.1	229.5	247.1	227.7	273.6	277.1	278.9
27.5°	713.1	554.3	326.6	252.4	215.4	234.8	220.6	227.7	211.8	220.6	224.2
30°	849.1	646.1	398.9	278.9	227.7	201.2	204.8	203.0	229.5	227.7	224.2
32.5°	893.2	658.4	381.3	291.3	225.9	203.0	187.1	199.5	218.9	234.8	236.5
35°	937.3	667.2	367.2	278.9	220.6	190.6	183.6	204.8	220.6	222.4	227.7
37.5°	988.5	674.3	353.0	261.2	204.8	187.1	181.8	190.6	225.9	222.4	217.1
40°	1036.2	677.8	335.4	245.4	187.1	183.6	169.5	190.6	199.5	206.5	210.1
42.5°	1120.9	699.0	321.3	231.2	174.8	174.8	162.4	178.3	204.8	208.3	206.5
45°	1182.7	691.9	301.8	218.9	162.4	155.3	158.9	194.2	206.5	227.7	224.2
47.5°	1270.9	709.6	278.9	199.5	151.8	143.0	150.0	188.9	211.8	227.7	231.2
50°	1357.4	706.1	259.5	183.6	144.7	135.9	165.9	183.6	208.3	234.8	234.8
52.5°	1470.4	711.4	250.7	169.5	135.9	135.9	171.2	185.3	213.6	231.2	231.2
55°	1571.0	691.9	229.5	164.2	134.2	130.6	173.0	192.4	215.4	231.2	233.0
57.5°	1645.1	653.1	213.6	158.9	132.4	134.2	173.0	208.3	201.2	231.2	236.5
60°	1726.3	610.8	199.5	158.9	132.4	139.4	178.3	220.6	220.6	241.8	241.8
62.5°	1837.6	584.3	192.4	160.6	128.9	144.7	194.2	240.1	222.4	256.0	257.7
65°	1931.1	549.0	187.1	167.7	130.6	151.8	203.0	256.0	233.0	271.8	270.1
67.5°	1932.9	496.0	180.0	174.8	132.4	157.1	203.0	266.5	245.4	286.0	280.7
70°	1848.1	443.1	169.5	174.8	137.7	162.4	203.0	273.6	247.1	308.9	303.6
72.5°	1666.3	361.9	153.6	167.7	146.5	169.5	213.6	271.8	247.1	333.6	328.3
75°	1417.4	289.5	132.4	153.6	146.5	178.3	220.6	270.1	238.3	317.7	307.1
77.5°	1078.5	236.5	111.2	134.2	139.4	181.8	220.6	266.5	231.2	296.5	289.5
80°	556.0	165.9	90.0	114.7	130.6	178.3	218.9	252.4	206.5	263.0	259.5
82.5°	305.4	121.8	72.4	84.7	109.4	167.7	211.8	227.7	181.8	215.4	206.5
85°	197.7	88.3	58.3	68.8	91.8	139.4	178.3	180.0	128.9	155.3	146.5
87.5°	148.3	51.2	37.1	42.4	63.5	77.7	113.0	116.5	81.2	95.3	90.0
90°	155.3	51.2	38.8	44.1	56.5	58.3	83.0	88.3	63.5	72.4	72.4
92.5°	165.9	51.2	40.6	45.9	51.2	45.9	65.3	72.4	53.0	58.3	56.5
95°	169.5	49.4	44.1	47.7	45.9	37.1	53.0	58.3	44.1	44.1	44.1
97.5°	123.6	35.3	44.1	47.7	42.4	30.0	40.6	45.9	28.2	22.9	22.9
100°	33.5	17.7	42.4	45.9	37.1	24.7	35.3	35.3	17.7	12.4	12.4
102.5°	14.1	14.1	37.1	40.6	28.2	15.9	24.7	24.7	12.4	5.3	5.3
105°	14.1	10.6	26.5	30.0	19.4	8.8	12.4	14.1	8.8	5.3	5.3
107.5°	14.1	10.6	12.4	15.9	8.8	7.1	7.1	7.1	5.3	5.3	5.3
110°	15.9	10.6	7.1	8.8	7.1	5.3	5.3	5.3	5.3	7.1	8.8



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CATALOG NUMBER: SDL-PA1-60-722-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	12.4	7.1	8.8	7.1	5.3	5.3	5.3	7.1	15.9	15.9
115°	15.9	10.6	7.1	7.1	5.3	5.3	3.5	3.5	7.1	19.4	19.4
117.5°	17.7	12.4	7.1	7.1	5.3	3.5	3.5	3.5	8.8	22.9	22.9
120°	21.2	14.1	7.1	5.3	3.5	3.5	3.5	3.5	10.6	24.7	24.7
122.5°	22.9	15.9	7.1	5.3	3.5	1.8	3.5	5.3	12.4	24.7	24.7
125°	19.4	14.1	7.1	5.3	3.5	1.8	3.5	5.3	12.4	22.9	24.7
127.5°	17.7	12.4	7.1	3.5	3.5	1.8	1.8	5.3	10.6	17.7	21.2
130°	14.1	10.6	5.3	3.5	3.5	1.8	1.8	3.5	10.6	15.9	19.4
132.5°	12.4	8.8	5.3	3.5	3.5	1.8	1.8	3.5	10.6	14.1	14.1
135°	8.8	7.1	3.5	3.5	3.5	1.8	3.5	1.8	7.1	12.4	12.4
137.5°	5.3	3.5	3.5	3.5	3.5	1.8	1.8	1.8	5.3	7.1	7.1
140°	1.8	1.8	3.5	3.5	3.5	1.8	1.8	1.8	3.5	3.5	3.5
142.5°	1.8	1.8	3.5	3.5	3.5	1.8	1.8	1.8	3.5	3.5	3.5
145°	1.8	1.8	1.8	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5
147.5°	1.8	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8	1.8	3.5
150°	1.8	1.8	1.8	3.5	3.5	1.8	1.8	3.5	3.5	3.5	3.5
152.5°	1.8	1.8	3.5	3.5	1.8	1.8	1.8	3.5	3.5	3.5	3.5
155°	5.3	5.3	3.5	3.5	1.8	1.8	0.0	1.8	3.5	3.5	3.5
157.5°	1.8	1.8	3.5	1.8	1.8	1.8	0.0	1.8	1.8	1.8	1.8
160°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	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

(END OF REPORT)