

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: P559821

Luminaire Tested: **SDL-PA1-100-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5853.1 lumens
Efficiency: N/A
Efficacy: 62.4 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 - G3

Input Watts (W): 93.8
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

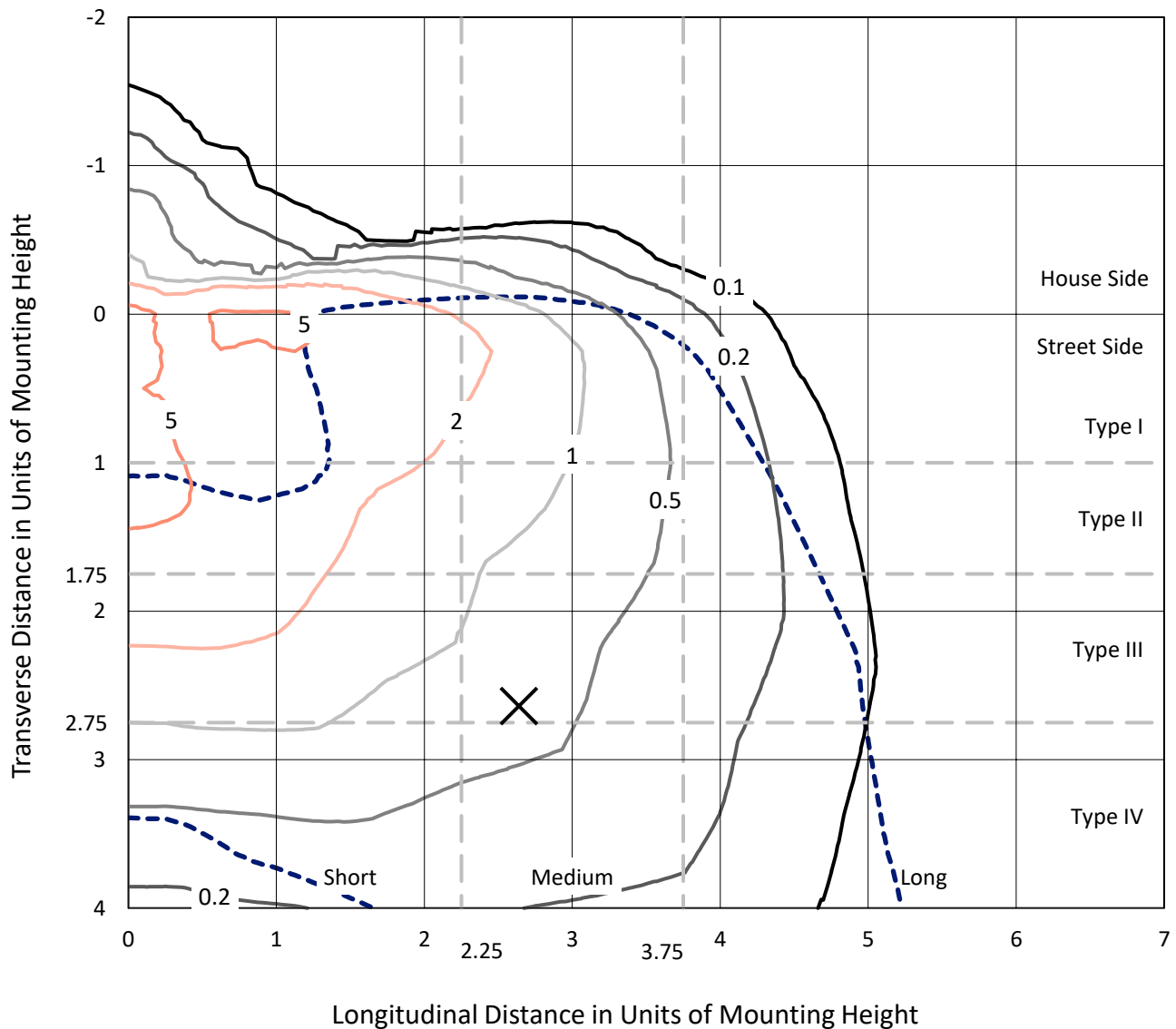


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

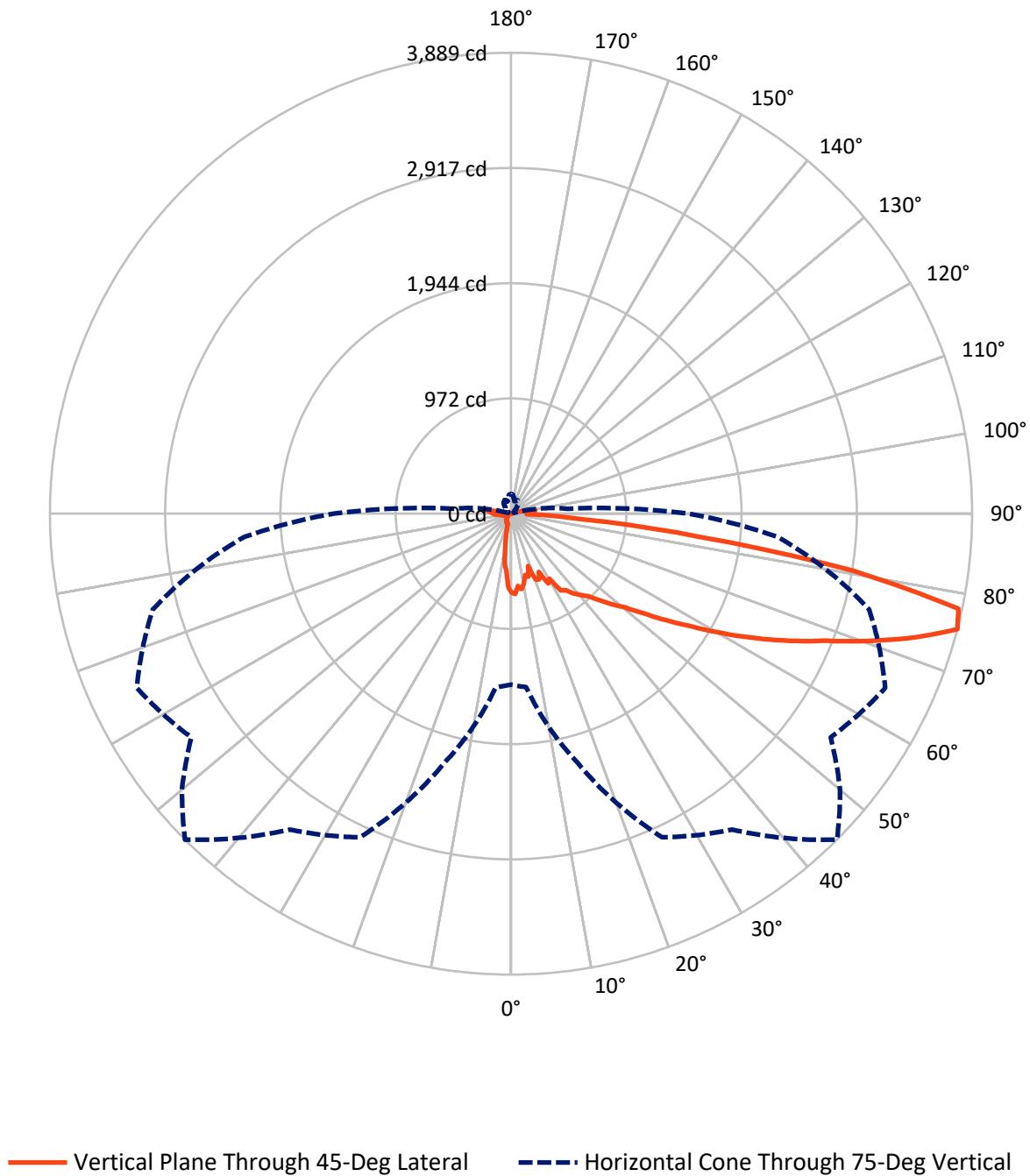


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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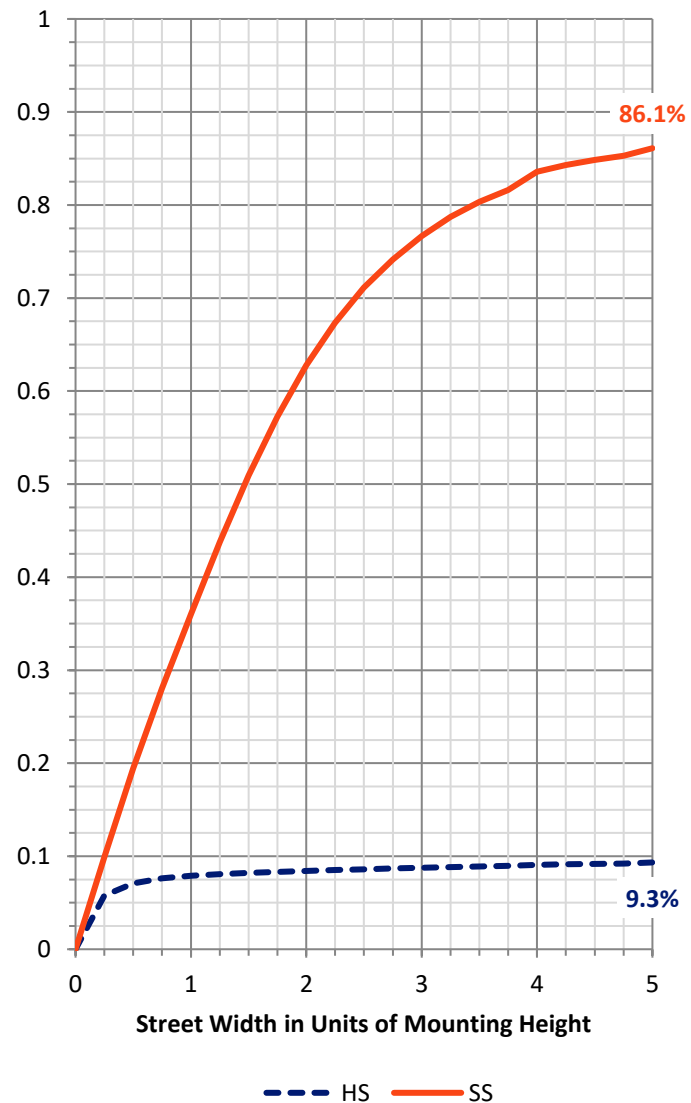
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	600.6	105.1	705.7
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	5066.2	81.2	5147.4
	% Fixture	86.6	1.4	87.9
Total	Lumens	5666.8	186.3	5853.1
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	0.9
10°-20°	112.0	1.9
20°-30°	187.9	3.2
30°-40°	348.4	6.0
40°-50°	587.1	10.0
50°-60°	1053.8	18.0
60°-70°	1582.3	27.0
70°-80°	1447.6	24.7
80°-90°	296.0	5.1
90°-100°	141.6	2.4
100°-110°	30.2	0.5
110°-120°	5.7	0.1
120°-130°	4.5	0.1
130°-140°	2.1	0.0
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5666.8	96.8
0°-180°	5853.1	100.0

Coefficient of Utilization



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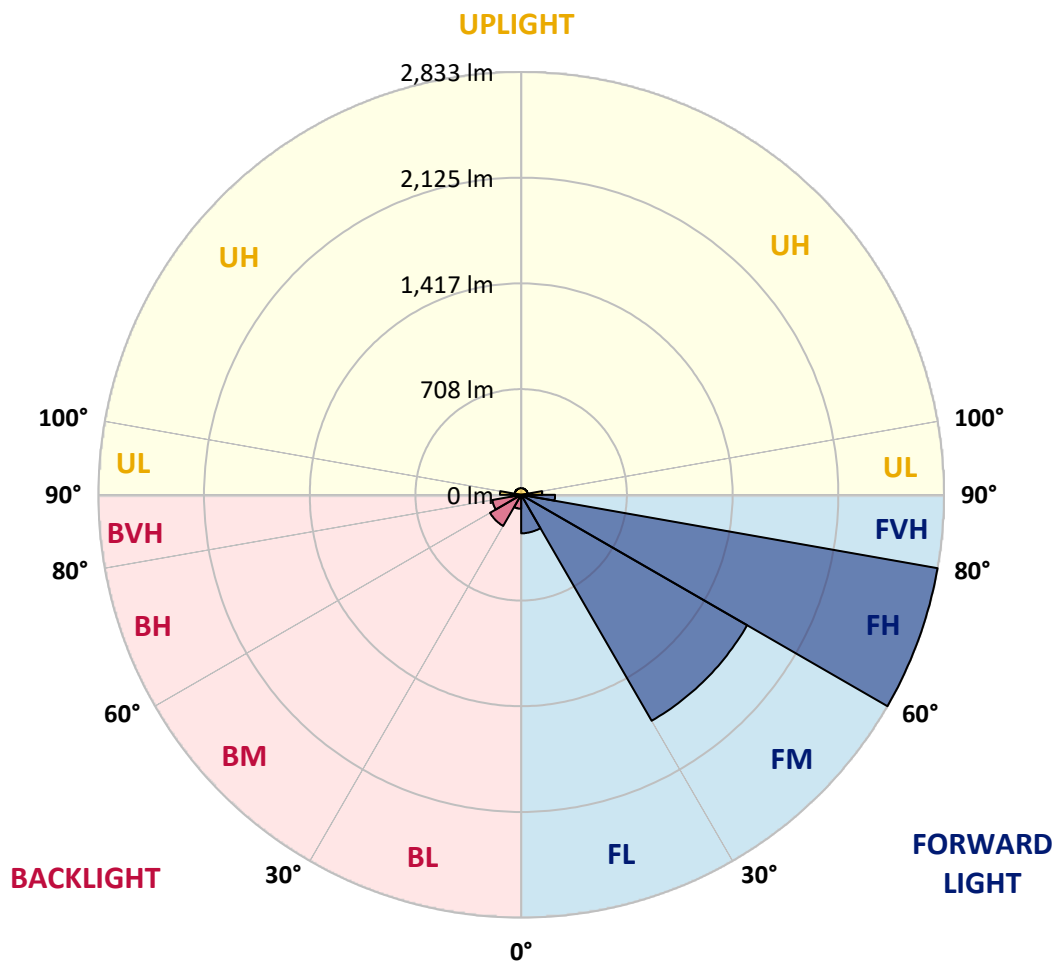
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	257.9	4.4			
FM	(30°-60°)	1748.3	29.9			
FH	(60°-80°)	2833.1	48.4			G2/5000
FVH	(80°-90°)	227.0	3.9			G3/500
BL	(0°-30°)	93.8	1.6	B0/110		
BM	(30°-60°)	241.0	4.1	B1/1000		
BH	(60°-80°)	196.8	3.4	B1/500		G1/500
BVH	(80°-90°)	69.0	1.2			G1/100
UL	(90°-100°)	141.6	2.4		U3/500	
UH	(100°-180°)	44.6	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
2.5°	648.1	679.4	670.0	685.7	682.6	679.4	679.4	682.6	679.4	673.2	666.9
5°	660.7	651.3	645.0	641.9	629.3	613.7	607.4	601.2	666.9	666.9	654.4
7.5°	679.4	679.4	666.9	657.5	657.5	641.9	626.2	613.7	582.4	573.0	573.0
10°	723.3	717.0	707.6	688.8	594.9	598.0	563.6	494.7	463.4	475.9	494.7
12.5°	732.7	729.5	717.0	713.9	626.2	532.3	441.5	494.7	472.8	394.5	438.3
15°	785.9	779.6	754.6	710.7	535.4	551.1	513.5	441.5	422.7	482.2	516.6
17.5°	670.0	670.0	751.5	688.8	582.4	463.4	460.3	513.5	463.4	432.1	429.0
20°	823.5	823.5	789.0	563.6	598.0	591.8	475.9	538.5	454.0	513.5	547.9
22.5°	685.7	682.6	707.6	698.2	573.0	604.3	488.4	491.6	541.7	463.4	397.6
25°	836.0	836.0	817.2	607.4	651.3	544.8	557.3	588.6	482.2	585.5	591.8
27.5°	720.1	717.0	682.6	695.1	607.4	666.9	507.2	554.2	591.8	632.5	695.1
30°	879.8	886.1	870.4	660.7	676.3	635.6	604.3	641.9	717.0	842.3	883.0
32.5°	1086.5	1092.7	926.8	795.3	679.4	773.4	648.1	707.6	823.5	883.0	926.8
35°	1208.6	1161.6	1089.6	889.2	732.7	792.2	745.2	754.6	857.9	951.8	983.2
37.5°	1311.9	1249.3	1164.8	917.4	773.4	854.8	776.5	789.0	929.9	1014.5	1055.2
40°	1346.4	1308.8	1261.8	980.0	823.5	901.7	814.1	842.3	998.8	1095.9	1158.5
42.5°	1430.9	1434.0	1405.8	1067.7	876.7	951.8	876.7	895.5	1089.6	1208.6	1299.4
45°	1656.3	1662.6	1631.3	1218.0	942.4	1039.5	976.9	986.3	1192.9	1380.8	1496.6
47.5°	1944.4	1922.5	1891.2	1418.4	1042.6	1139.7	1092.7	1083.3	1315.0	1606.2	1709.6
50°	2235.6	2194.9	2129.1	1693.9	1214.8	1243.0	1211.7	1205.5	1462.2	1837.9	1950.6
52.5°	2539.3	2508.0	2370.2	1953.8	1471.6	1393.3	1358.9	1393.3	1653.2	2094.7	2198.0
55°	2699.0	2667.7	2580.0	2232.4	1718.9	1587.4	1528.0	1590.6	1947.5	2335.8	2470.4
57.5°	2830.5	2821.1	2780.4	2523.6	2019.5	1794.1	1734.6	1794.1	2182.3	2561.2	2720.9
60°	3018.3	2980.8	3018.3	2805.4	2310.7	2047.7	1966.3	2028.9	2470.4	2758.5	2996.4
62.5°	3153.0	3143.6	3218.7	3121.7	2554.9	2313.8	2194.9	2254.4	2724.0	2968.2	3268.8
65°	3008.9	3055.9	3356.5	3328.3	2830.5	2586.2	2461.0	2442.2	2930.7	3193.7	3560.0
67.5°	2752.2	2783.5	3221.9	3434.8	3071.6	2861.8	2711.5	2623.8	3121.7	3397.2	3791.7
70°	2508.0	2545.5	2946.3	3441.0	3187.4	3215.6	3005.8	2843.0	3312.7	3625.8	3841.8
72.5°	2313.8	2348.3	2708.4	3365.9	3228.1	3569.4	3328.3	3074.7	3497.4	3632.0	3356.5
75°	1443.4	1468.5	2179.2	3012.1	3253.2	3888.8	3622.6	3290.7	3481.7	3127.9	2257.5
77.5°	444.6	454.0	933.1	1988.2	2827.3	3857.5	3572.5	3093.5	2918.1	1985.1	1030.1
80°	153.4	156.6	241.1	707.6	1690.8	2927.5	2724.0	2276.3	1744.0	732.7	388.3
82.5°	72.0	78.3	112.7	238.0	688.8	1600.0	1609.4	1352.6	732.7	325.6	263.0
85°	25.0	25.0	47.0	103.3	266.1	616.8	585.5	544.8	385.1	294.3	244.2
87.5°	9.4	9.4	15.7	28.2	65.8	131.5	165.9	203.5	203.5	206.6	247.4
90°	9.4	9.4	6.3	6.3	47.0	137.8	165.9	184.7	169.1	187.9	269.3
92.5°	9.4	9.4	6.3	6.3	50.1	159.7	184.7	200.4	178.5	200.4	297.4
95°	9.4	9.4	6.3	6.3	56.4	194.1	216.0	212.9	178.5	209.8	319.4
97.5°	12.5	12.5	6.3	3.1	50.1	206.6	231.7	225.4	153.4	159.7	250.5
100°	12.5	12.5	6.3	3.1	31.3	153.4	184.7	181.6	100.2	25.0	72.0
102.5°	12.5	12.5	6.3	3.1	6.3	72.0	87.7	90.8	59.5	9.4	12.5
105°	15.7	15.7	6.3	3.1	3.1	12.5	28.2	37.6	21.9	6.3	12.5
107.5°	15.7	15.7	6.3	3.1	3.1	6.3	6.3	9.4	9.4	6.3	15.7
110°	15.7	15.7	6.3	6.3	3.1	3.1	3.1	3.1	6.3	6.3	15.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	12.5	12.5	3.1	6.3	3.1	3.1	3.1	3.1	3.1	6.3	15.7
115°	6.3	6.3	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.3	12.5
117.5°	3.1	3.1	0.0	3.1	0.0	3.1	3.1	3.1	6.3	6.3	15.7
120°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.4	18.8
122.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.4	18.8
125°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.4	18.8
127.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.4	15.7
130°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.3	12.5
132.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.3	9.4
135°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	6.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.4	9.4	6.3	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
152.5°	6.3	6.3	9.4	3.1	0.0	0.0	3.1	3.1	6.3	3.1	3.1
155°	6.3	6.3	3.1	0.0	0.0	0.0	0.0	3.1	3.1	6.3	6.3
157.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
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°	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9	666.9
2.5°	660.7	657.5	648.1	641.9	632.5	623.1	576.1	547.9	544.8	541.7	544.8
5°	648.1	638.7	623.1	551.1	516.6	485.3	475.9	469.7	454.0	454.0	457.1
7.5°	560.5	554.2	504.1	482.2	454.0	425.8	400.8	382.0	335.0	319.4	313.1
10°	491.6	479.1	391.4	347.5	319.4	288.1	288.1	263.0	250.5	241.1	238.0
12.5°	425.8	416.4	344.4	316.2	238.0	206.6	191.0	175.3	165.9	159.7	156.6
15°	497.8	482.2	369.5	253.6	175.3	147.2	115.8	112.7	140.9	147.2	150.3
17.5°	397.6	407.0	328.8	222.3	144.0	90.8	100.2	119.0	134.6	134.6	131.5
20°	529.1	507.2	356.9	178.5	103.3	90.8	97.1	87.7	125.2	134.6	134.6
22.5°	385.1	366.3	294.3	165.9	81.4	87.7	81.4	103.3	115.8	103.3	106.5
25°	573.0	544.8	341.3	115.8	84.5	75.1	93.9	81.4	112.7	122.1	125.2
27.5°	710.7	616.8	335.0	109.6	75.1	84.5	78.3	93.9	90.8	97.1	97.1
30°	848.5	795.3	378.9	100.2	75.1	72.0	81.4	81.4	103.3	112.7	112.7
32.5°	908.0	845.4	331.9	97.1	75.1	72.0	72.0	87.7	97.1	115.8	115.8
35°	970.6	886.1	278.7	90.8	72.0	68.9	68.9	87.7	103.3	115.8	119.0
37.5°	1055.2	929.9	225.4	87.7	68.9	65.8	59.5	78.3	109.6	122.1	125.2
40°	1161.6	992.5	175.3	81.4	62.6	59.5	56.4	78.3	93.9	109.6	109.6
42.5°	1327.6	1061.4	137.8	78.3	59.5	53.2	53.2	65.8	90.8	103.3	103.3
45°	1496.6	1142.8	115.8	75.1	56.4	50.1	50.1	65.8	68.9	87.7	87.7
47.5°	1684.5	1224.2	106.5	72.0	56.4	43.8	43.8	59.5	59.5	81.4	84.5
50°	1878.6	1293.1	100.2	68.9	50.1	40.7	50.1	40.7	50.1	78.3	84.5
52.5°	2047.7	1349.5	93.9	62.6	47.0	37.6	47.0	40.7	50.1	72.0	72.0
55°	2219.9	1380.8	90.8	59.5	43.8	31.3	47.0	43.8	47.0	65.8	65.8
57.5°	2373.3	1390.2	87.7	59.5	37.6	28.2	43.8	53.2	40.7	53.2	59.5
60°	2511.1	1380.8	78.3	53.2	28.2	28.2	47.0	62.6	56.4	62.6	62.6
62.5°	2639.5	1346.4	62.6	43.8	21.9	28.2	59.5	68.9	53.2	65.8	72.0
65°	2749.1	1299.4	47.0	34.4	15.7	31.3	62.6	78.3	62.6	75.1	81.4
67.5°	2799.2	1236.8	37.6	28.2	15.7	34.4	65.8	87.7	72.0	84.5	90.8
70°	2714.6	1108.4	31.3	28.2	12.5	40.7	68.9	93.9	81.4	106.5	109.6
72.5°	2254.4	870.4	28.2	28.2	21.9	50.1	87.7	106.5	100.2	144.0	140.9
75°	1493.5	475.9	28.2	25.0	28.2	59.5	106.5	125.2	109.6	162.8	162.8
77.5°	688.8	209.8	25.0	28.2	31.3	65.8	122.1	150.3	125.2	184.7	181.6
80°	300.6	128.4	25.0	25.0	34.4	72.0	137.8	169.1	137.8	203.5	203.5
82.5°	225.4	115.8	21.9	25.0	47.0	81.4	159.7	187.9	153.4	219.2	216.0
85°	209.8	109.6	25.0	28.2	53.2	103.3	187.9	203.5	159.7	225.4	225.4
87.5°	212.9	106.5	25.0	28.2	72.0	131.5	212.9	219.2	175.3	238.0	238.0
90°	219.2	109.6	28.2	31.3	81.4	144.0	238.0	234.8	197.3	250.5	250.5
92.5°	234.8	109.6	31.3	34.4	87.7	159.7	259.9	241.1	212.9	259.9	253.6
95°	244.2	109.6	34.4	37.6	103.3	175.3	275.5	234.8	225.4	241.1	234.8
97.5°	181.6	81.4	40.7	43.8	106.5	197.3	253.6	200.4	147.2	144.0	147.2
100°	59.5	28.2	43.8	47.0	68.9	137.8	187.9	144.0	78.3	59.5	59.5
102.5°	15.7	15.7	40.7	43.8	37.6	59.5	109.6	93.9	53.2	3.1	6.3
105°	15.7	12.5	25.0	34.4	21.9	15.7	43.8	53.2	40.7	3.1	3.1
107.5°	15.7	12.5	12.5	18.8	6.3	6.3	12.5	12.5	12.5	3.1	3.1
110°	15.7	12.5	6.3	6.3	6.3	6.3	6.3	3.1	3.1	6.3	6.3

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CATALOG NUMBER: SDL-PA1-100-727-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	12.5	6.3	6.3	6.3	3.1	3.1	3.1	3.1	9.4	12.5
115°	15.7	12.5	3.1	6.3	3.1	3.1	3.1	3.1	6.3	12.5	15.7
117.5°	15.7	12.5	3.1	3.1	3.1	3.1	3.1	3.1	6.3	15.7	18.8
120°	18.8	15.7	3.1	3.1	3.1	3.1	3.1	3.1	6.3	18.8	18.8
122.5°	18.8	15.7	3.1	3.1	3.1	3.1	0.0	3.1	9.4	18.8	18.8
125°	18.8	15.7	3.1	3.1	3.1	0.0	0.0	3.1	9.4	18.8	21.9
127.5°	15.7	12.5	3.1	3.1	3.1	0.0	0.0	3.1	6.3	15.7	18.8
130°	12.5	9.4	3.1	3.1	3.1	0.0	0.0	0.0	6.3	15.7	15.7
132.5°	9.4	6.3	3.1	3.1	3.1	0.0	0.0	0.0	6.3	12.5	12.5
135°	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0	3.1	9.4	9.4
137.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
140°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	6.3	6.3	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	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)