

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: P559927

Luminaire Tested: **SDL-PA1-100-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559927
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5290.9 lumens
Efficiency: N/A
Efficacy: 56.4 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 - G2

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

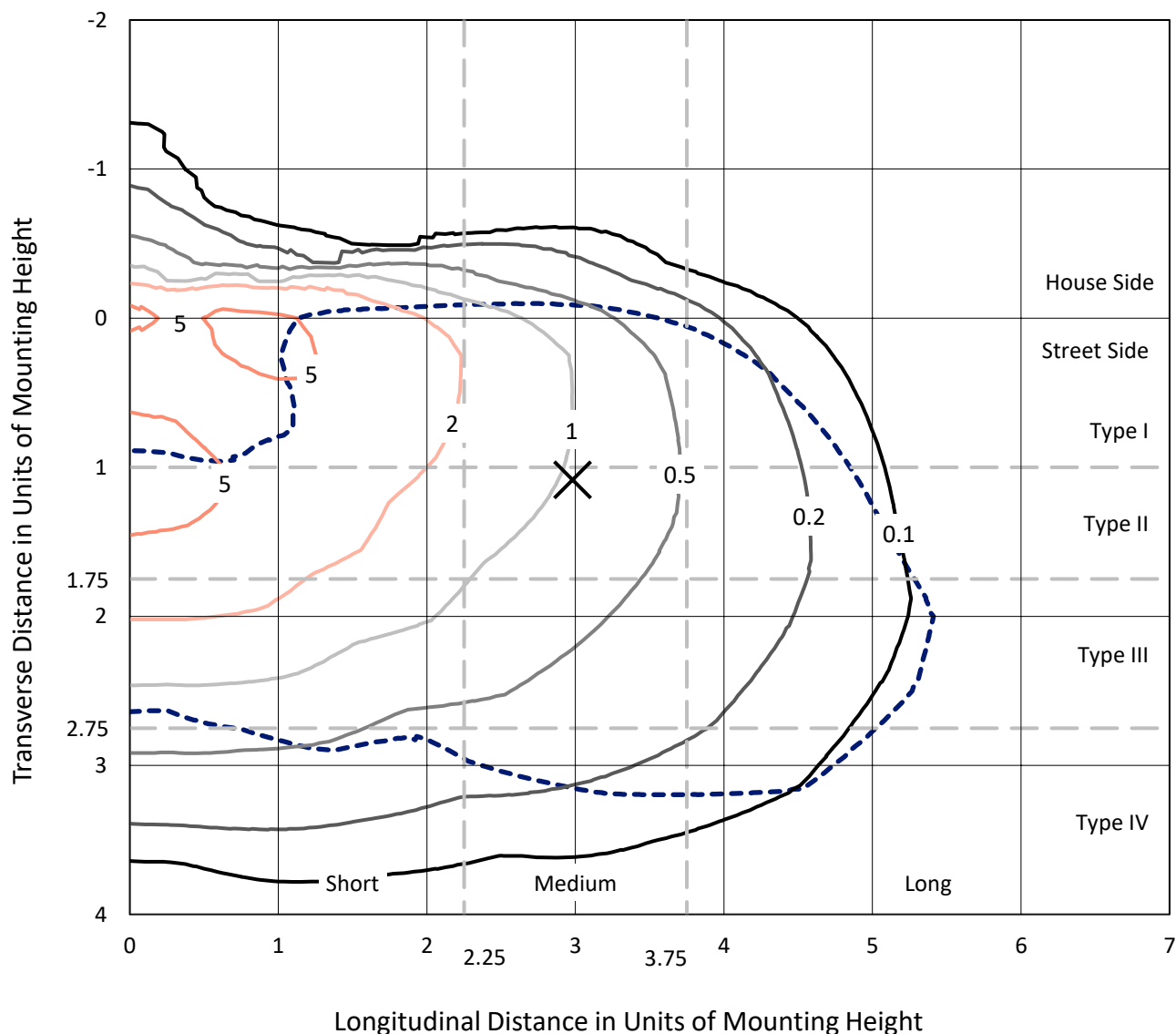


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

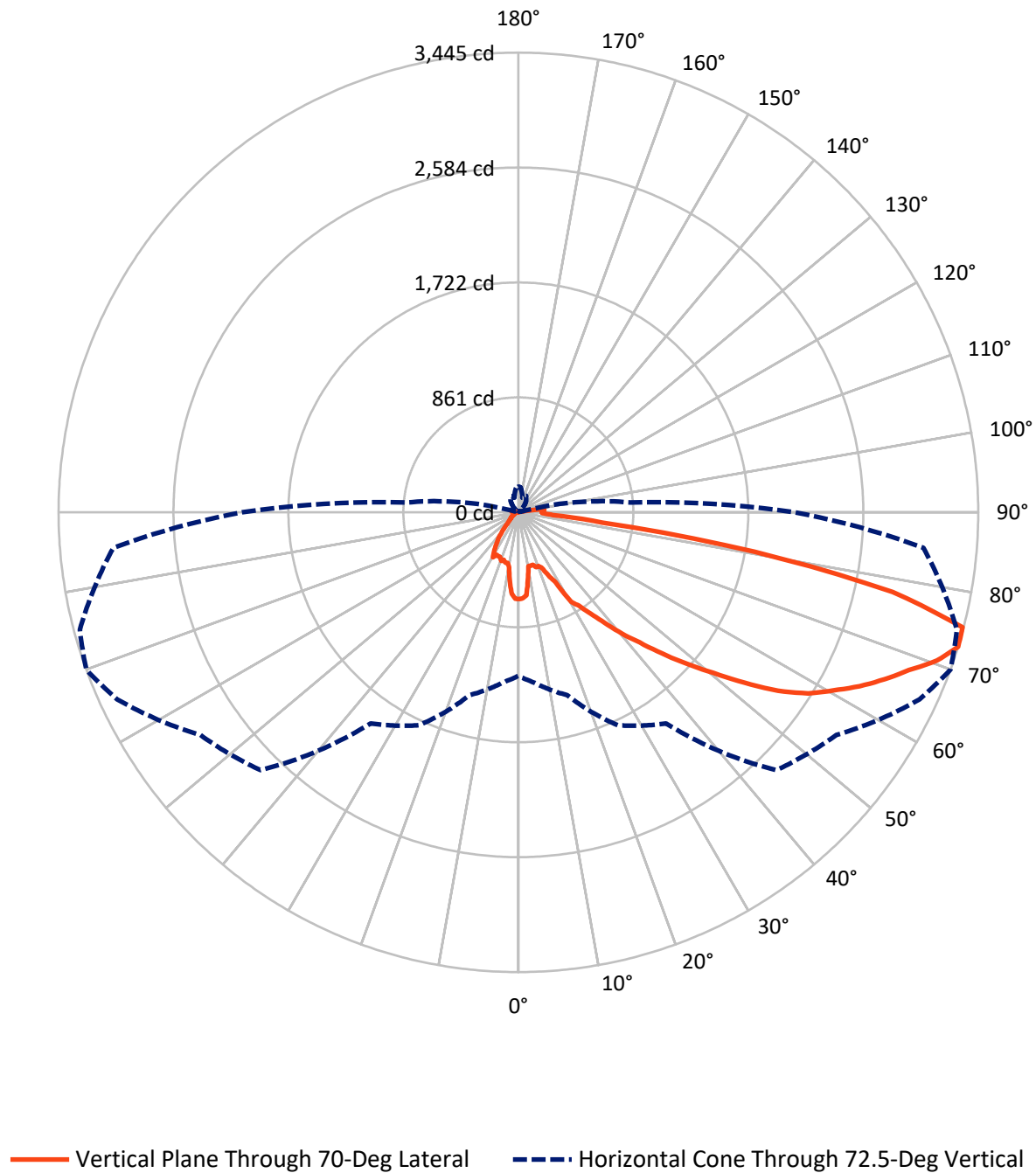


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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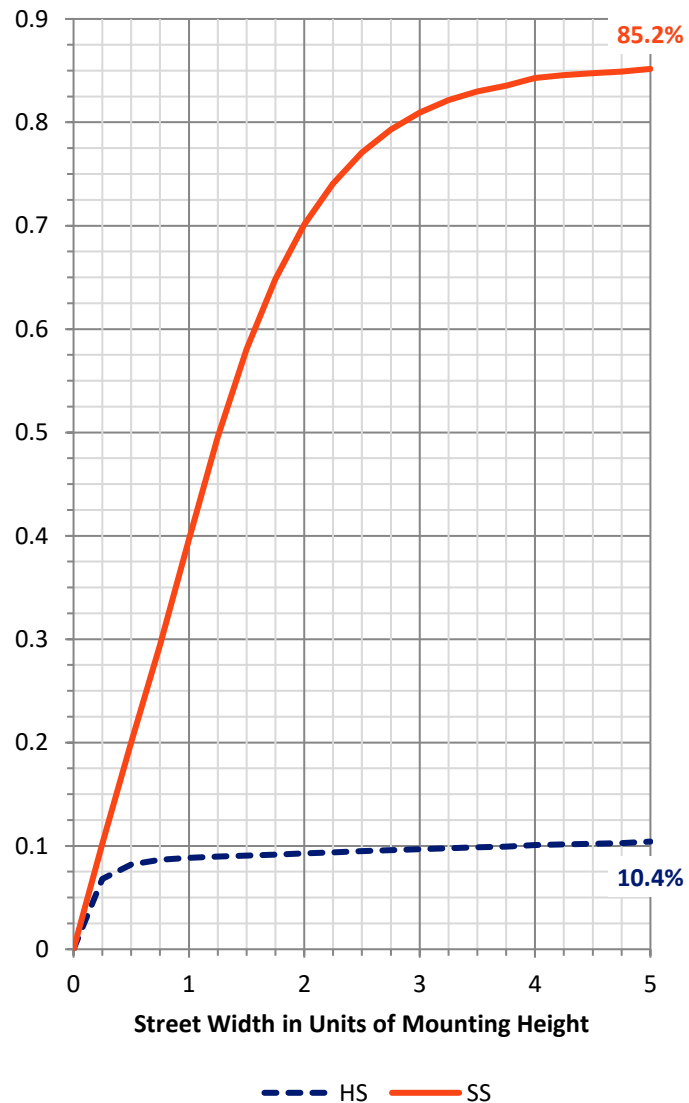
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	606.5	85.4	691.8
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	4530.0	69.1	4599.1
	% Fixture	85.6	1.3	86.9
Total	Lumens	5136.4	154.5	5290.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	0.9
10°-20°	99.1	1.9
20°-30°	160.5	3.0
30°-40°	342.9	6.5
40°-50°	674.2	12.7
50°-60°	1125.8	21.3
60°-70°	1397.3	26.4
70°-80°	1076.1	20.3
80°-90°	210.4	4.0
90°-100°	114.2	2.2
100°-110°	23.6	0.4
110°-120°	6.7	0.1
120°-130°	5.2	0.1
130°-140°	2.5	0.0
140°-150°	1.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5136.4	97.1
0°-180°	5290.9	100.0

Coefficient of Utilization



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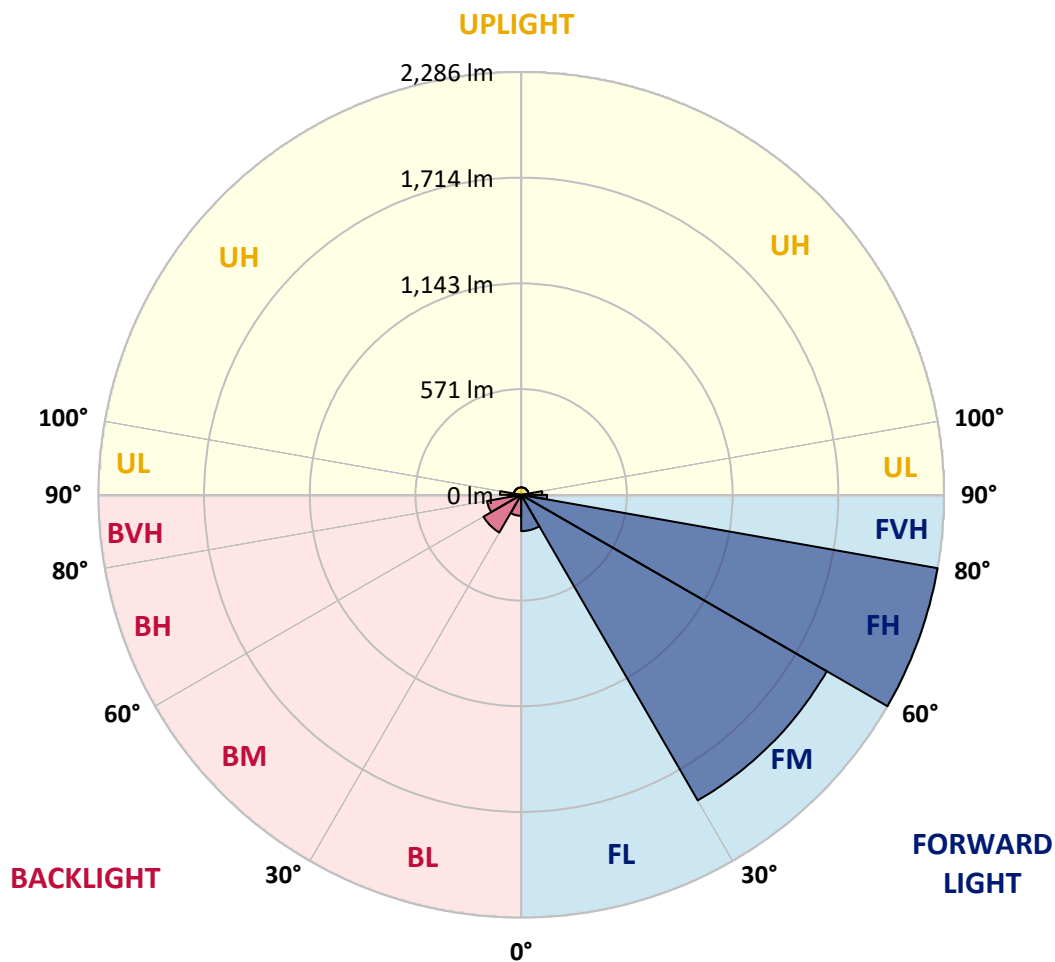
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	196.3	3.7			
FM	(30°-60°)	1907.8	36.1			
FH	(60°-80°)	2285.9	43.2			G2/5000
FVH	(80°-90°)	140.0	2.6			G2/225
BL	(0°-30°)	113.5	2.1	B1/500		
BM	(30°-60°)	235.2	4.4	B1/1000		
BH	(60°-80°)	187.4	3.5	B1/500		G1/500
BVH	(80°-90°)	70.4	1.3			G1/100
UL	(90°-100°)	114.2	2.2		U3/500	
UH	(100°-180°)	40.3	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°	70°	75°	85°
0°	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9
2.5°	548.0	608.6	611.3	616.8	622.3	630.6	644.4	644.4	644.4	644.4	647.1
5°	520.5	520.5	520.5	526.0	526.0	531.5	534.2	616.8	625.1	633.4	633.4
7.5°	432.3	473.6	476.4	492.9	512.2	520.5	526.0	520.5	512.2	545.2	559.0
10°	473.6	473.6	473.6	479.1	451.6	437.8	404.8	407.5	410.3	435.1	495.7
12.5°	393.8	418.6	443.3	470.9	435.1	391.0	382.8	404.8	410.3	366.2	435.1
15°	459.9	457.1	457.1	432.3	360.7	391.0	341.5	360.7	407.5	446.1	517.7
17.5°	380.0	369.0	429.6	424.1	385.5	308.4	393.8	391.0	432.3	399.3	446.1
20°	451.6	448.9	448.9	347.0	382.8	415.8	410.3	382.8	429.6	479.1	564.5
22.5°	380.0	374.5	385.5	415.8	380.0	429.6	374.5	473.6	451.6	437.8	410.3
25°	479.1	476.4	476.4	380.0	429.6	393.8	473.6	432.3	523.2	570.0	622.3
27.5°	429.6	429.6	410.3	440.6	410.3	495.7	454.4	545.2	592.0	622.3	751.8
30°	594.8	597.6	564.5	437.8	457.1	465.4	537.0	674.7	776.5	850.9	930.8
32.5°	856.4	839.9	702.2	597.6	484.7	575.5	594.8	784.8	834.4	914.2	983.1
35°	1164.8	1156.6	1035.4	773.8	583.8	616.8	663.6	853.7	930.8	1010.6	1051.9
37.5°	1376.9	1368.6	1291.5	985.8	705.0	718.7	724.2	950.0	1049.2	1129.0	1148.3
40°	1550.3	1536.6	1489.8	1151.1	867.4	839.9	812.3	1082.2	1195.1	1261.2	1269.5
42.5°	1811.9	1789.9	1671.5	1341.1	1032.6	1002.4	908.7	1197.9	1332.8	1420.9	1426.4
45°	2125.9	2106.6	1941.4	1605.4	1208.9	1200.6	1079.5	1346.6	1506.3	1610.9	1580.6
47.5°	2340.7	2288.3	2194.7	1858.8	1481.5	1409.9	1269.5	1498.0	1693.5	1850.5	1765.1
50°	2536.2	2497.6	2417.8	2139.6	1776.1	1679.8	1467.7	1671.5	1891.8	2035.0	1919.3
52.5°	2717.9	2660.1	2594.0	2348.9	2029.5	1982.7	1663.2	1845.0	2120.4	2238.8	2079.1
55°	2808.8	2717.9	2706.9	2538.9	2225.0	2186.4	1883.5	2059.8	2359.9	2442.5	2230.5
57.5°	2660.1	2657.3	2742.7	2654.6	2384.7	2365.4	2106.6	2291.1	2561.0	2599.5	2379.2
60°	2561.0	2563.7	2693.1	2698.6	2525.2	2536.2	2307.6	2558.2	2709.7	2734.4	2519.6
62.5°	2387.5	2406.7	2602.3	2728.9	2561.0	2698.6	2478.3	2742.7	2869.4	2877.6	2693.1
65°	2169.9	2189.2	2387.5	2646.3	2522.4	2806.0	2621.5	2949.2	3015.3	3020.8	2883.1
67.5°	1916.6	1924.8	2145.1	2431.5	2428.8	2844.6	2709.7	3086.9	3155.8	3172.3	3045.6
70°	1635.7	1624.7	1825.7	2156.2	2227.8	2825.3	2817.1	3221.8	3326.5	3323.7	3158.5
72.5°	1225.4	1277.7	1418.2	1759.6	1930.4	2731.7	2907.9	3315.5	3444.9	3400.8	3045.6
75°	418.6	446.1	826.1	1120.8	1487.0	2481.1	2927.2	3321.0	3436.6	3241.1	2492.1
77.5°	137.7	129.4	184.5	446.1	826.1	1718.3	2574.7	2896.9	2866.6	2519.6	1531.1
80°	66.1	68.8	82.6	157.0	302.9	779.3	1616.4	1834.0	1792.7	1321.8	663.6
82.5°	44.1	46.8	55.1	90.9	170.7	267.1	859.2	837.1	633.4	415.8	272.6
85°	19.3	19.3	27.5	46.8	104.6	176.2	327.7	286.4	258.8	239.6	223.1
87.5°	5.5	5.5	11.0	16.5	35.8	110.1	184.5	173.5	179.0	187.3	212.0
90°	5.5	5.5	5.5	5.5	27.5	115.7	187.3	176.2	176.2	187.3	223.1
92.5°	8.3	8.3	5.5	5.5	24.8	115.7	195.5	168.0	179.0	190.0	239.6
95°	8.3	11.0	5.5	2.8	19.3	118.4	201.0	179.0	195.5	192.8	256.1
97.5°	11.0	11.0	5.5	2.8	11.0	101.9	203.8	145.9	148.7	137.7	201.0
100°	13.8	13.8	5.5	5.5	8.3	52.3	151.5	93.6	57.8	44.1	66.1
102.5°	16.5	16.5	5.5	5.5	5.5	19.3	68.8	55.1	30.3	8.3	16.5
105°	16.5	19.3	5.5	5.5	2.8	8.3	30.3	22.0	11.0	8.3	16.5
107.5°	19.3	19.3	5.5	5.5	2.8	5.5	8.3	8.3	5.5	8.3	16.5
110°	19.3	19.3	8.3	5.5	2.8	5.5	2.8	5.5	5.5	8.3	19.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.8	13.8	5.5	8.3	2.8	2.8	2.8	5.5	5.5	8.3	16.5
115°	8.3	5.5	2.8	5.5	2.8	2.8	2.8	5.5	5.5	5.5	13.8
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	8.3	16.5
120°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	5.5	11.0	19.3
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	11.0	22.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.5	8.3	19.3
127.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	5.5	8.3	16.5
130°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	5.5	11.0
132.5°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	5.5	11.0
135°	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.5
137.5°	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	5.5	5.5	5.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	5.5	5.5	5.5	2.8	2.8	2.8	2.8	5.5	5.5	2.8	2.8
155°	2.8	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	5.5	5.5
157.5°	0.0	2.8	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
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°	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9
2.5°	647.1	647.1	644.4	649.9	647.1	647.1	611.3	575.5	567.3	570.0	575.5
5°	636.1	636.1	636.1	592.0	542.5	526.0	531.5	531.5	531.5	528.7	534.2
7.5°	561.8	559.0	550.7	501.2	523.2	520.5	517.7	512.2	446.1	429.6	429.6
10°	498.4	498.4	426.8	407.5	407.5	424.1	435.1	418.6	410.3	396.5	393.8
12.5°	437.8	437.8	366.2	407.5	344.2	341.5	333.2	305.7	258.8	225.8	228.6
15°	520.5	520.5	432.3	347.0	289.1	272.6	170.7	159.7	154.2	151.5	148.7
17.5°	443.3	446.1	399.3	344.2	269.9	143.2	121.2	121.2	121.2	115.7	104.6
20°	561.8	561.8	465.4	308.4	203.8	112.9	93.6	82.6	112.9	112.9	112.9
22.5°	407.5	402.0	410.3	313.9	126.7	90.9	77.1	96.4	101.9	85.4	85.4
25°	616.8	608.6	498.4	225.8	104.6	71.6	85.4	74.4	96.4	96.4	96.4
27.5°	760.0	705.0	506.7	206.5	77.1	82.6	68.8	82.6	74.4	71.6	71.6
30°	914.2	889.4	611.3	162.5	74.4	68.8	71.6	66.1	77.1	71.6	71.6
32.5°	963.8	939.0	553.5	126.7	71.6	66.1	60.6	63.3	60.6	63.3	63.3
35°	1027.1	1002.4	490.2	96.4	66.1	57.8	55.1	55.1	52.3	49.6	49.6
37.5°	1118.0	1076.7	418.6	82.6	60.6	52.3	44.1	41.3	44.1	55.1	57.8
40°	1222.6	1153.8	330.4	74.4	52.3	44.1	33.0	38.6	46.8	46.8	46.8
42.5°	1374.1	1247.4	245.1	68.8	46.8	35.8	24.8	30.3	35.8	49.6	49.6
45°	1506.3	1302.5	173.5	63.3	38.6	27.5	19.3	30.3	38.6	44.1	44.1
47.5°	1660.5	1354.8	129.4	60.6	35.8	19.3	22.0	30.3	30.3	46.8	46.8
50°	1789.9	1365.8	104.6	55.1	27.5	13.8	27.5	27.5	33.0	41.3	41.3
52.5°	1911.1	1376.9	93.6	49.6	22.0	11.0	27.5	27.5	38.6	49.6	49.6
55°	1990.9	1343.8	85.4	44.1	19.3	8.3	30.3	30.3	30.3	38.6	38.6
57.5°	2054.3	1302.5	79.9	38.6	16.5	16.5	33.0	38.6	33.0	38.6	38.6
60°	2095.6	1228.2	68.8	35.8	13.8	16.5	41.3	49.6	38.6	57.8	57.8
62.5°	2169.9	1170.3	60.6	33.0	11.0	16.5	41.3	63.3	49.6	77.1	79.9
65°	2230.5	1118.0	52.3	24.8	11.0	22.0	46.8	79.9	60.6	96.4	99.1
67.5°	2255.3	1054.7	44.1	22.0	11.0	24.8	60.6	99.1	77.1	112.9	112.9
70°	2236.0	988.6	35.8	22.0	11.0	38.6	79.9	115.7	93.6	137.7	140.4
72.5°	2068.0	842.6	27.5	22.0	8.3	41.3	99.1	137.7	112.9	187.3	192.8
75°	1583.4	534.2	27.5	22.0	11.0	46.8	115.7	159.7	134.9	209.3	217.5
77.5°	966.6	247.8	27.5	24.8	13.8	57.8	126.7	184.5	148.7	225.8	231.3
80°	429.6	154.2	27.5	27.5	27.5	71.6	148.7	203.8	168.0	239.6	247.8
82.5°	214.8	115.7	24.8	27.5	41.3	85.4	176.2	217.5	173.5	247.8	250.6
85°	184.5	104.6	24.8	30.3	44.1	99.1	190.0	220.3	181.7	245.1	247.8
87.5°	176.2	99.1	30.3	30.3	49.6	104.6	195.5	231.3	187.3	236.8	234.1
90°	184.5	96.4	33.0	35.8	63.3	107.4	198.3	225.8	187.3	223.1	223.1
92.5°	190.0	93.6	35.8	41.3	77.1	121.2	195.5	220.3	187.3	206.5	206.5
95°	195.5	93.6	41.3	46.8	77.1	132.2	187.3	201.0	173.5	184.5	181.7
97.5°	148.7	68.8	49.6	52.3	71.6	101.9	151.5	157.0	112.9	110.1	107.4
100°	52.3	30.3	49.6	57.8	44.1	44.1	90.9	110.1	66.1	41.3	46.8
102.5°	16.5	13.8	44.1	57.8	35.8	16.5	46.8	68.8	49.6	5.5	5.5
105°	16.5	16.5	24.8	46.8	24.8	5.5	16.5	38.6	30.3	5.5	5.5
107.5°	16.5	13.8	11.0	27.5	8.3	5.5	8.3	8.3	8.3	2.8	5.5
110°	19.3	13.8	5.5	8.3	5.5	5.5	5.5	5.5	5.5	11.0	11.0

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CATALOG NUMBER: SDL-PA1-100-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	13.8	5.5	8.3	5.5	5.5	5.5	2.8	5.5	13.8	16.5
115°	16.5	13.8	5.5	5.5	5.5	5.5	2.8	2.8	5.5	16.5	16.5
117.5°	19.3	16.5	5.5	5.5	2.8	5.5	2.8	2.8	5.5	16.5	19.3
120°	22.0	19.3	5.5	5.5	2.8	2.8	2.8	2.8	5.5	13.8	16.5
122.5°	22.0	22.0	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	13.8
125°	19.3	19.3	5.5	2.8	2.8	2.8	2.8	2.8	8.3	13.8	13.8
127.5°	16.5	16.5	5.5	2.8	2.8	2.8	2.8	2.8	5.5	11.0	13.8
130°	13.8	13.8	5.5	2.8	2.8	2.8	0.0	2.8	5.5	11.0	11.0
132.5°	11.0	8.3	5.5	2.8	2.8	2.8	0.0	2.8	5.5	8.3	11.0
135°	8.3	8.3	2.8	2.8	2.8	2.8	0.0	0.0	5.5	5.5	8.3
137.5°	5.5	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	5.5	5.5
140°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
145°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
147.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
150°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	2.8	2.8	2.8
155°	5.5	5.5	5.5	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	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)