

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: P560473

Luminaire Tested: **SDL-PA1-40-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2678.2 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

Input Watts (W): 39.4
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



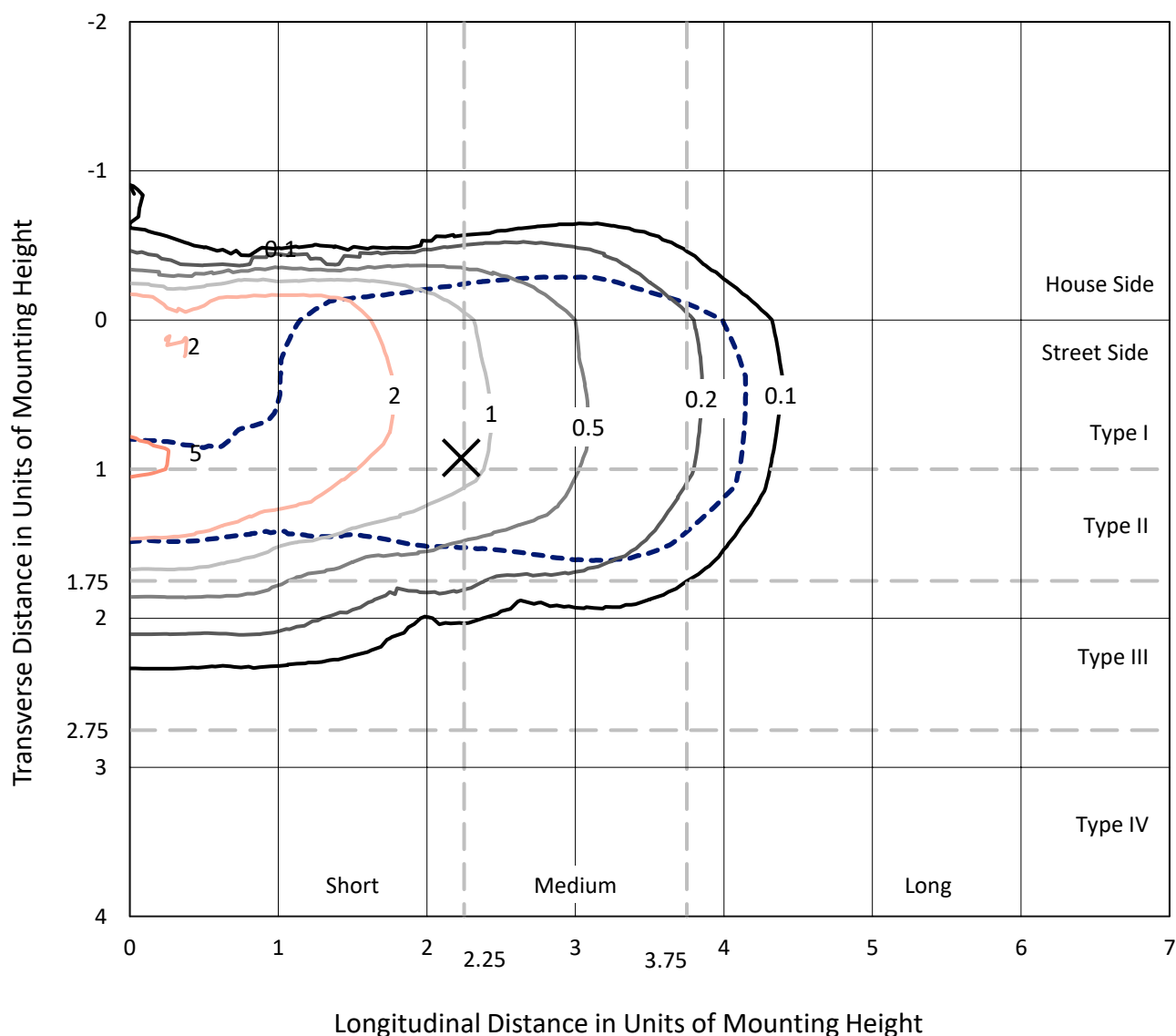
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



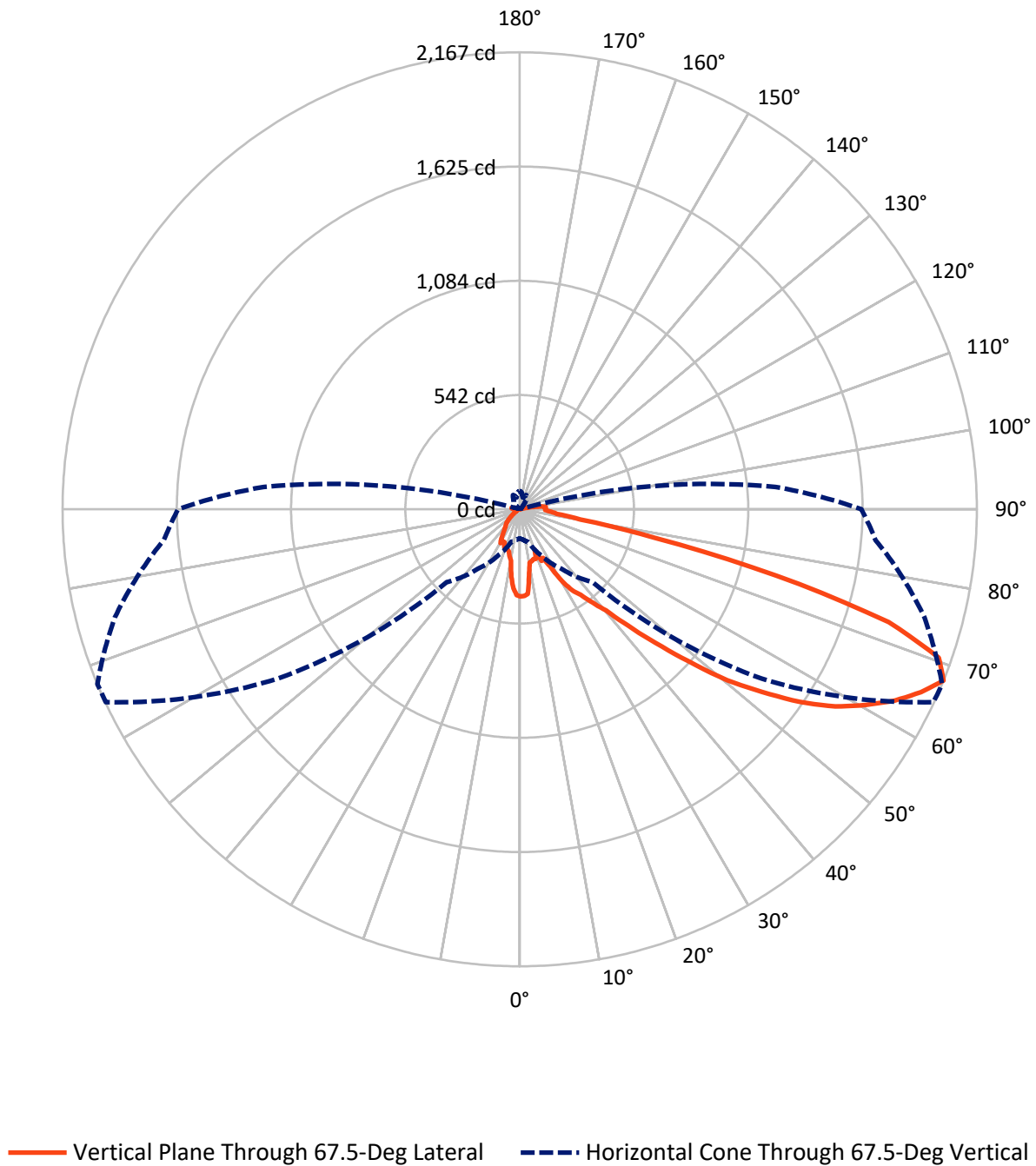
Based on 10 foot mounting height. Maximum calculated value = 5.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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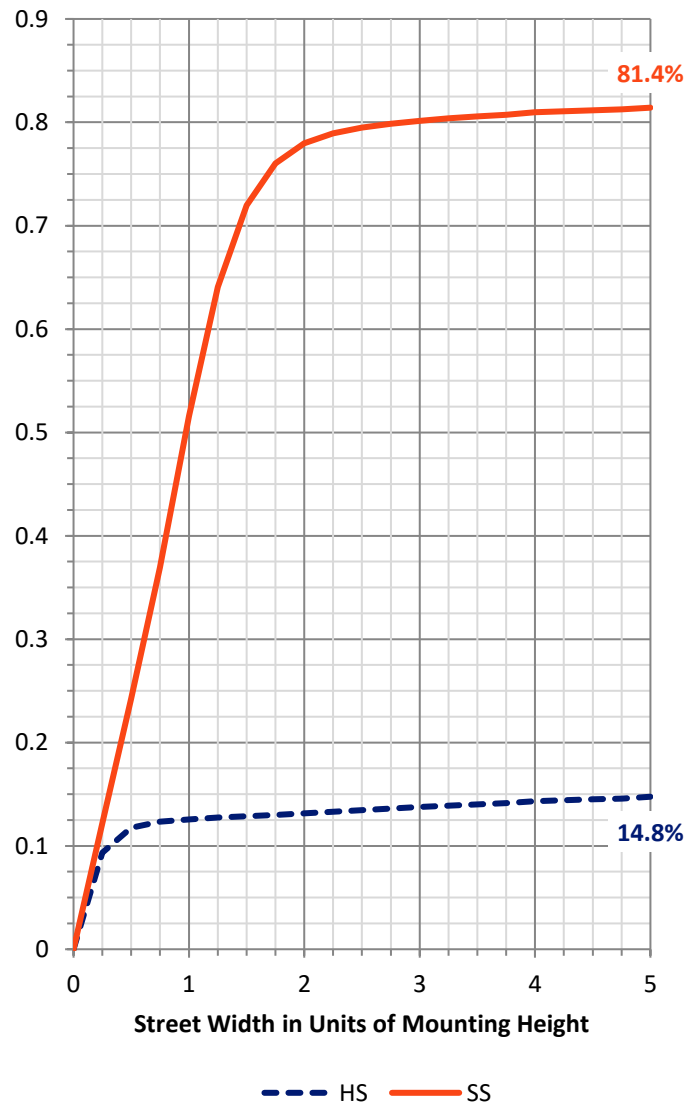
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.1	31.2	450.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	2194.7	33.2	2227.9
	% Fixture	81.9	1.2	83.2
Total	Lumens	2613.8	64.4	2678.2
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	1.2
10°-20°	60.5	2.3
20°-30°	91.3	3.4
30°-40°	210.4	7.9
40°-50°	468.9	17.5
50°-60°	697.7	26.1
60°-70°	622.3	23.2
70°-80°	349.3	13.0
80°-90°	81.6	3.0
90°-100°	44.8	1.7
100°-110°	10.3	0.4
110°-120°	4.0	0.2
120°-130°	2.7	0.1
130°-140°	1.4	0.1
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2613.8	97.6
0°-180°	2678.2	100.0

Coefficient of Utilization



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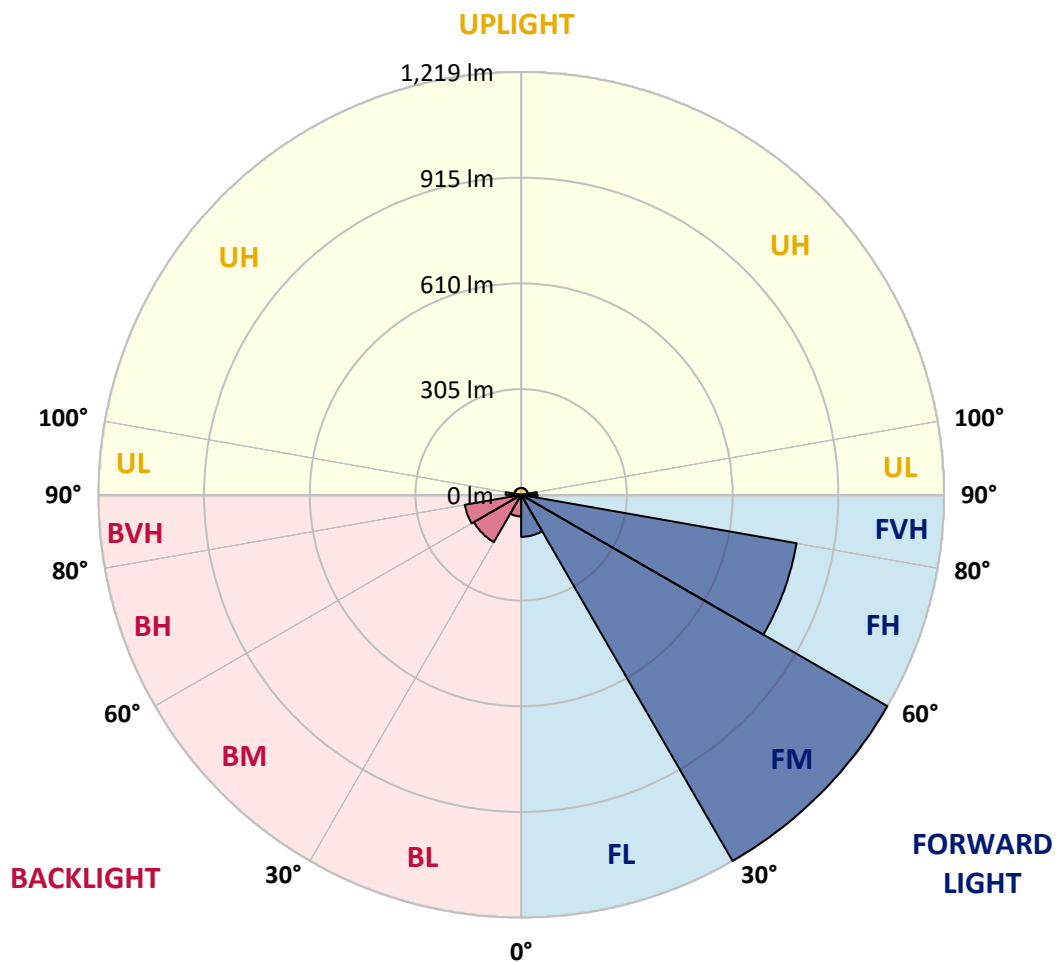
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.2	4.5			
FM	(30°-60°)	1219.5	45.5			
FH	(60°-80°)	806.7	30.1			G1/1800
FVH	(80°-90°)	47.3	1.8			G1/100
BL	(0°-30°)	62.5	2.3	B0/110		
BM	(30°-60°)	157.5	5.9	B0/220		
BH	(60°-80°)	164.9	6.2	B1/500		G1/500
BVH	(80°-90°)	34.2	1.3			G1/100
UL	(90°-100°)	44.8	1.7		U2/50	
UH	(100°-180°)	19.6	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	350.2	370.3	391.7	406.0	408.9	413.1	413.1	411.7	411.7	410.3	410.3
5°	340.2	338.8	340.2	343.1	341.7	341.7	341.7	398.8	403.1	406.0	406.0
7.5°	293.1	300.2	323.1	331.7	334.5	337.4	337.4	333.1	317.4	351.7	356.0
10°	318.8	317.4	317.4	320.2	298.8	290.2	261.6	257.3	257.3	268.8	305.9
12.5°	267.3	283.1	304.5	313.1	288.8	255.9	248.7	254.5	253.0	221.6	258.7
15°	303.1	303.1	300.2	294.5	227.3	254.5	214.4	214.4	244.5	263.0	295.9
17.5°	245.9	253.0	288.8	284.5	250.2	191.6	250.2	230.2	247.3	231.6	248.7
20°	301.6	300.2	301.6	230.2	254.5	263.0	250.2	224.4	204.4	268.8	297.3
22.5°	248.7	245.9	260.2	284.5	240.2	273.0	228.7	273.0	265.9	238.7	214.4
25°	321.6	320.2	323.1	251.6	281.6	244.5	281.6	244.5	255.9	305.9	313.1
27.5°	290.2	288.8	284.5	307.4	267.3	308.8	265.9	298.8	307.4	331.7	384.5
30°	408.9	403.1	388.8	308.8	314.5	297.3	314.5	367.4	396.0	444.6	460.3
32.5°	596.1	566.1	471.8	408.9	333.1	380.3	356.0	431.7	458.9	483.2	496.1
35°	770.5	757.7	689.0	540.4	406.0	420.3	401.7	483.2	498.9	550.4	547.5
37.5°	1009.3	987.8	882.0	697.6	510.3	504.6	457.5	550.4	561.8	636.1	621.9
40°	1188.0	1170.8	1087.9	866.3	649.0	599.0	534.7	643.3	630.4	730.5	710.5
42.5°	1359.5	1349.5	1285.2	1059.3	802.0	744.8	614.7	757.7	754.8	842.0	824.8
45°	1498.2	1486.7	1445.3	1232.3	977.8	979.2	740.5	883.5	903.5	986.4	942.1
47.5°	1579.7	1555.3	1525.3	1369.5	1155.1	1203.7	926.3	1026.4	1075.0	1146.5	1079.3
50°	1561.1	1536.8	1539.6	1456.7	1318.0	1396.7	1125.1	1177.9	1275.2	1330.9	1198.0
52.5°	1412.4	1398.1	1445.3	1441.0	1401.0	1573.9	1356.6	1342.3	1438.1	1475.3	1319.5
55°	1200.8	1180.8	1269.4	1332.3	1401.0	1684.0	1571.1	1525.3	1612.5	1606.8	1402.4
57.5°	912.1	919.2	1019.3	1117.9	1286.6	1705.5	1729.8	1724.0	1764.1	1715.5	1468.1
60°	623.3	627.6	769.1	880.6	1055.0	1592.5	1781.2	1888.4	1884.1	1806.9	1542.5
62.5°	391.7	390.3	497.5	673.3	759.1	1296.6	1761.2	2012.8	1997.1	1875.6	1599.7
65°	225.9	231.6	270.2	446.0	527.5	884.9	1645.4	2134.3	2090.0	1937.0	1661.1
67.5°	138.7	143.0	161.5	241.6	344.5	488.9	1399.5	2164.3	2167.2	1987.1	1694.0
70°	117.2	118.7	127.2	148.7	240.2	274.5	942.1	2024.2	2107.2	1998.5	1684.0
72.5°	98.6	100.1	112.9	130.1	178.7	194.4	423.1	1672.6	1829.8	1911.3	1611.1
75°	72.9	74.3	92.9	118.7	130.1	155.8	231.6	1107.9	1256.6	1511.0	1373.8
77.5°	47.2	48.6	65.8	95.8	110.1	122.9	187.3	517.5	654.7	873.5	867.7
80°	31.5	31.5	38.6	67.2	87.2	100.1	163.0	255.9	291.6	360.2	337.4
82.5°	20.0	20.0	24.3	41.5	55.8	100.1	153.0	183.0	177.3	180.1	160.1
85°	8.6	8.6	12.9	22.9	30.0	65.8	137.2	157.3	150.1	150.1	143.0
87.5°	2.9	2.9	4.3	7.1	10.0	20.0	105.8	125.8	121.5	125.8	135.8
90°	2.9	2.9	1.4	2.9	2.9	14.3	85.8	124.4	121.5	127.2	140.1
92.5°	4.3	4.3	1.4	1.4	2.9	11.4	67.2	128.7	124.4	132.9	145.8
95°	7.1	7.1	2.9	1.4	4.3	10.0	41.5	114.4	124.4	131.5	148.7
97.5°	8.6	8.6	2.9	2.9	4.3	8.6	21.4	92.9	95.8	100.1	117.2
100°	11.4	11.4	2.9	2.9	2.9	7.1	11.4	48.6	50.0	35.7	57.2
102.5°	11.4	11.4	2.9	2.9	2.9	4.3	5.7	21.4	20.0	7.1	7.1
105°	12.9	12.9	4.3	2.9	2.9	2.9	2.9	7.1	7.1	4.3	8.6
107.5°	12.9	12.9	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	8.6
110°	10.0	10.0	4.3	4.3	2.9	1.4	1.4	1.4	2.9	4.3	10.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	7.1	7.1	2.9	4.3	2.9	1.4	1.4	1.4	2.9	5.7	14.3
115°	2.9	2.9	1.4	2.9	1.4	1.4	1.4	2.9	2.9	4.3	11.4
117.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	1.4	4.3	10.0
120°	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	5.7	10.0
122.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	5.7	10.0
125°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	4.3	8.6
127.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9	8.6
130°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9	5.7
132.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9	4.3
135°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	2.9
137.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4
140°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	2.9	2.9	1.4	0.0	2.9	1.4	1.4	1.4	1.4
152.5°	2.9	2.9	2.9	2.9	1.4	0.0	1.4	2.9	1.4	1.4	1.4
155°	2.9	2.9	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9	4.3
157.5°	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	0.0	0.0	1.4
160°	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1	413.1
2.5°	408.9	408.9	407.4	407.4	403.1	401.7	383.1	363.1	347.4	348.8	348.8
5°	404.6	401.7	397.4	368.8	333.1	327.4	327.4	324.5	323.1	324.5	324.5
7.5°	353.1	350.2	333.1	318.8	320.2	317.4	311.6	310.2	285.9	261.6	260.2
10°	304.5	300.2	254.5	244.5	243.0	253.0	277.3	268.8	260.2	250.2	254.5
12.5°	254.5	253.0	211.6	234.4	204.4	210.1	215.9	207.3	177.3	143.0	147.2
15°	294.5	290.2	240.2	194.4	174.4	175.8	115.8	111.5	90.1	81.5	77.2
17.5°	218.7	240.2	210.1	194.4	175.8	91.5	74.3	57.2	51.5	41.5	42.9
20°	293.1	287.3	240.2	181.6	135.8	77.2	41.5	32.9	40.0	41.5	41.5
22.5°	207.3	201.6	203.0	193.0	95.8	44.3	31.5	32.9	30.0	28.6	28.6
25°	304.5	294.5	245.9	147.2	71.5	28.6	30.0	22.9	27.2	27.2	27.2
27.5°	370.3	335.9	258.7	143.0	40.0	28.6	21.4	22.9	18.6	18.6	18.6
30°	443.2	423.1	338.8	132.9	31.5	22.9	20.0	15.7	17.2	17.2	17.2
32.5°	476.0	448.9	338.8	105.8	27.2	21.4	15.7	14.3	14.3	15.7	15.7
35°	523.2	494.6	337.4	70.0	22.9	17.2	12.9	12.9	12.9	12.9	12.9
37.5°	594.7	553.2	343.1	44.3	18.6	14.3	10.0	11.4	11.4	24.3	24.3
40°	674.7	627.6	327.4	31.5	15.7	11.4	8.6	14.3	20.0	21.4	21.4
42.5°	776.2	724.8	304.5	27.2	14.3	8.6	7.1	11.4	17.2	27.2	27.2
45°	897.8	820.6	273.0	24.3	11.4	7.1	7.1	14.3	21.4	25.7	25.7
47.5°	1006.4	913.5	218.7	22.9	10.0	5.7	10.0	15.7	18.6	30.0	30.0
50°	1133.6	1010.7	167.3	20.0	8.6	5.7	15.7	17.2	21.4	27.2	27.2
52.5°	1228.0	1092.2	127.2	18.6	8.6	4.3	15.7	15.7	24.3	31.5	31.5
55°	1303.7	1136.5	91.5	15.7	7.1	4.3	18.6	20.0	21.4	24.3	24.3
57.5°	1362.4	1167.9	71.5	14.3	7.1	10.0	22.9	25.7	22.9	24.3	24.3
60°	1429.5	1183.7	52.9	12.9	5.7	10.0	27.2	34.3	25.7	37.2	35.7
62.5°	1491.0	1195.1	42.9	12.9	5.7	11.4	30.0	42.9	34.3	50.0	51.5
65°	1568.2	1209.4	35.7	10.0	5.7	15.7	35.7	57.2	45.7	65.8	68.6
67.5°	1619.7	1218.0	30.0	10.0	5.7	18.6	50.0	74.3	57.2	82.9	85.8
70°	1625.4	1186.5	24.3	10.0	5.7	28.6	68.6	90.1	71.5	105.8	107.2
72.5°	1551.1	1096.5	20.0	11.4	5.7	31.5	80.1	104.4	84.3	140.1	141.5
75°	1253.7	769.1	18.6	11.4	5.7	40.0	87.2	114.4	94.4	145.8	148.7
77.5°	770.5	356.0	17.2	12.9	8.6	44.3	88.6	121.5	98.6	145.8	150.1
80°	298.8	175.8	15.7	14.3	20.0	50.0	95.8	122.9	98.6	135.8	141.5
82.5°	138.7	102.9	15.7	15.7	25.7	51.5	94.4	114.4	91.5	121.5	120.1
85°	124.4	101.5	17.2	17.2	27.2	44.3	74.3	97.2	78.6	95.8	95.8
87.5°	121.5	100.1	18.6	21.4	27.2	25.7	57.2	82.9	67.2	71.5	71.5
90°	124.4	104.4	20.0	24.3	22.9	14.3	45.7	68.6	51.5	45.7	44.3
92.5°	132.9	105.8	24.3	28.6	21.4	11.4	38.6	55.8	37.2	30.0	28.6
95°	140.1	108.6	30.0	34.3	22.9	10.0	34.3	44.3	27.2	18.6	17.2
97.5°	117.2	84.3	34.3	37.2	22.9	10.0	30.0	35.7	21.4	10.0	10.0
100°	50.0	37.2	35.7	40.0	21.4	8.6	25.7	28.6	14.3	4.3	5.7
102.5°	10.0	11.4	31.5	37.2	17.2	5.7	17.2	17.2	10.0	1.4	2.9
105°	10.0	8.6	20.0	31.5	10.0	2.9	7.1	10.0	4.3	1.4	1.4
107.5°	10.0	10.0	7.1	15.7	4.3	2.9	2.9	4.3	2.9	1.4	1.4
110°	11.4	10.0	2.9	4.3	2.9	2.9	2.9	2.9	1.4	7.1	8.6

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CATALOG NUMBER: SDL-PA1-40-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.3	12.9	2.9	4.3	4.3	2.9	1.4	1.4	2.9	10.0	11.4
115°	12.9	11.4	4.3	4.3	2.9	2.9	1.4	1.4	2.9	11.4	12.9
117.5°	10.0	10.0	4.3	2.9	2.9	2.9	1.4	1.4	2.9	11.4	11.4
120°	11.4	10.0	4.3	2.9	1.4	1.4	1.4	1.4	2.9	8.6	8.6
122.5°	11.4	10.0	4.3	2.9	1.4	1.4	1.4	1.4	2.9	8.6	10.0
125°	10.0	8.6	4.3	2.9	1.4	1.4	1.4	1.4	4.3	8.6	8.6
127.5°	8.6	7.1	2.9	1.4	1.4	1.4	1.4	1.4	4.3	7.1	7.1
130°	5.7	5.7	2.9	1.4	1.4	1.4	1.4	1.4	4.3	5.7	5.7
132.5°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	2.9	5.7	5.7
135°	4.3	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
140°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
152.5°	1.4	1.4	2.9	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
155°	4.3	4.3	4.3	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.4	1.4	1.4	1.4	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)