

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: P560481

Luminaire Tested: **SDL-PA1-40-830-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560481
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-PA1-40-830-U-T4W-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 2672.5 lumens
Efficiency: N/A
Efficacy: 67.8 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: B0 - U3 - G2

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

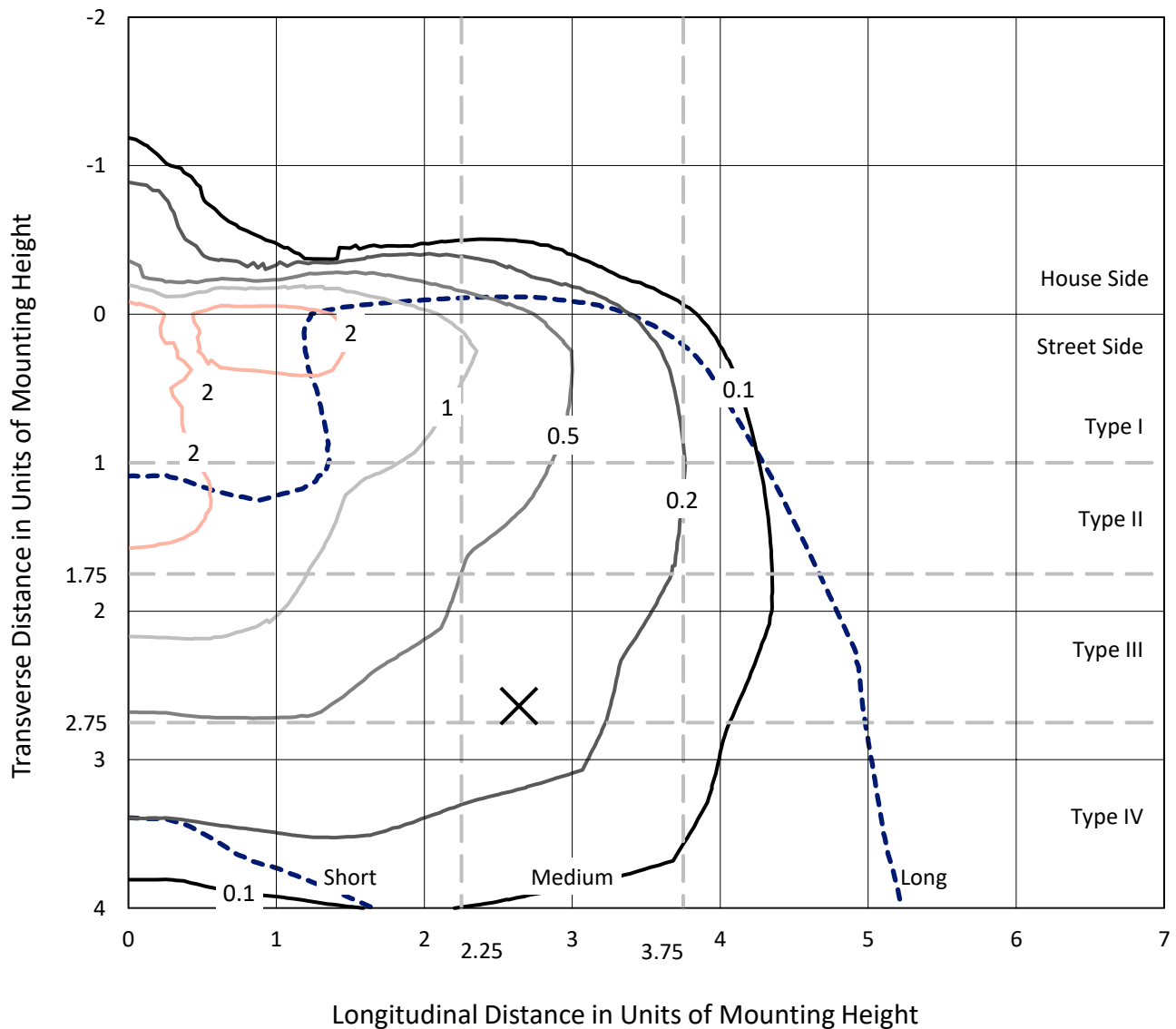


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

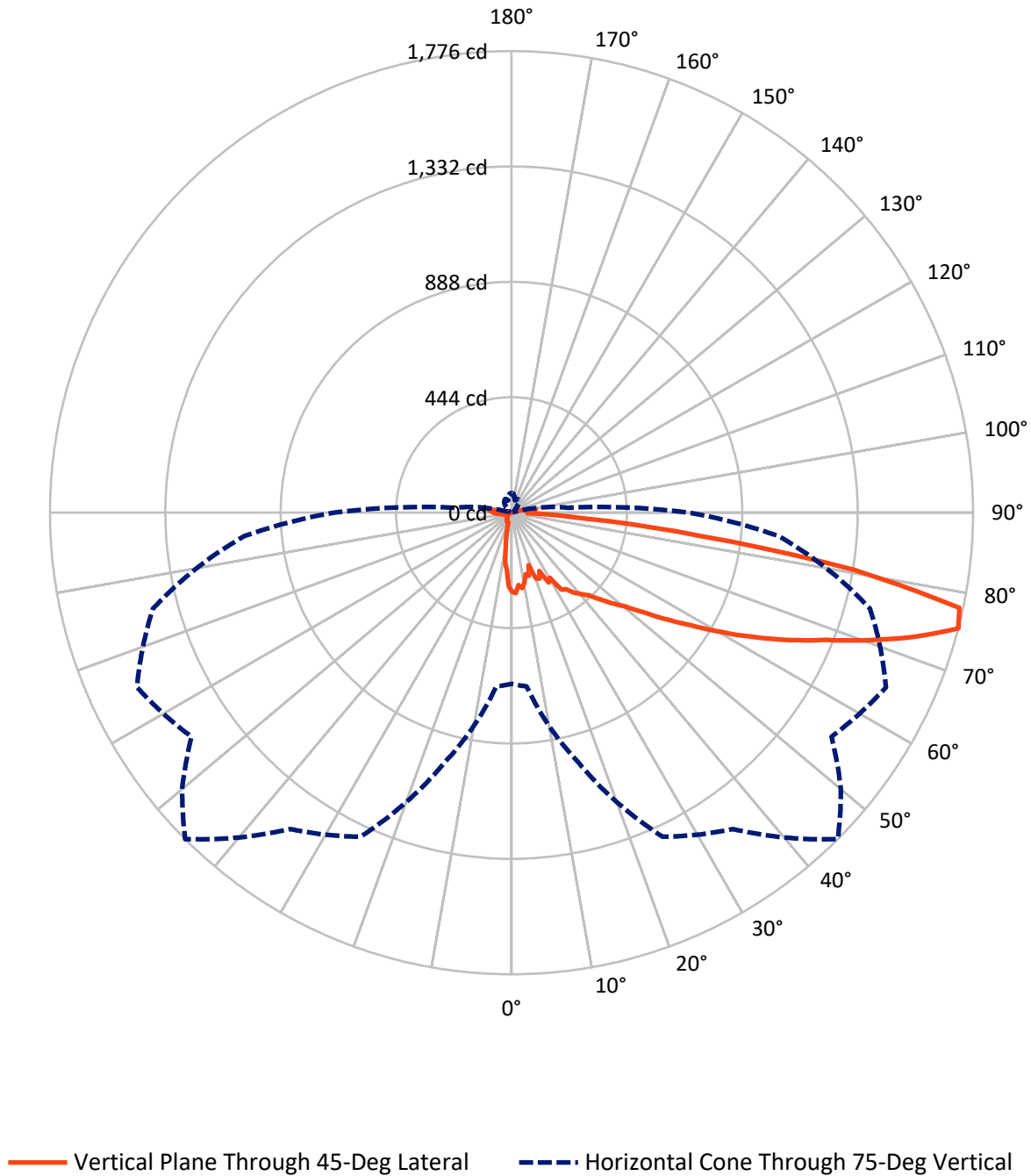


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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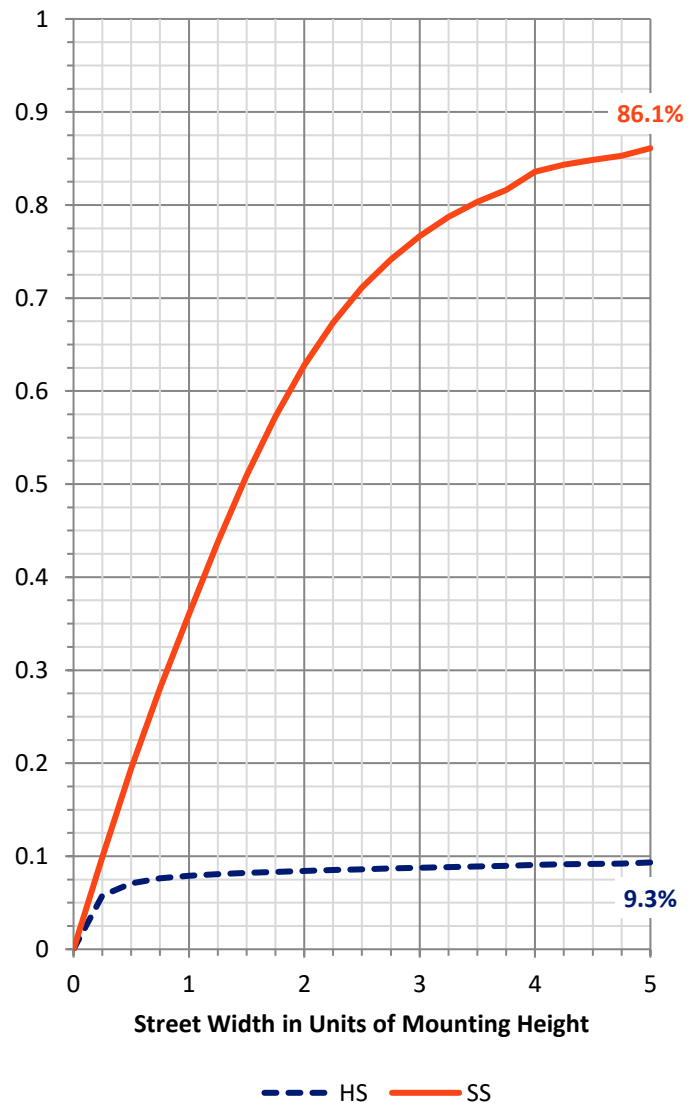
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	274.2	48.0	322.2
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	2313.2	37.1	2350.3
	% Fixture	86.6	1.4	87.9
Total	Lumens	2587.4	85.0	2672.5
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.9
10°-20°	51.1	1.9
20°-30°	85.8	3.2
30°-40°	159.1	6.0
40°-50°	268.1	10.0
50°-60°	481.2	18.0
60°-70°	722.5	27.0
70°-80°	661.0	24.7
80°-90°	135.1	5.1
90°-100°	64.7	2.4
100°-110°	13.8	0.5
110°-120°	2.6	0.1
120°-130°	2.1	0.1
130°-140°	0.9	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2587.4	96.8
0°-180°	2672.5	100.0

Coefficient of Utilization



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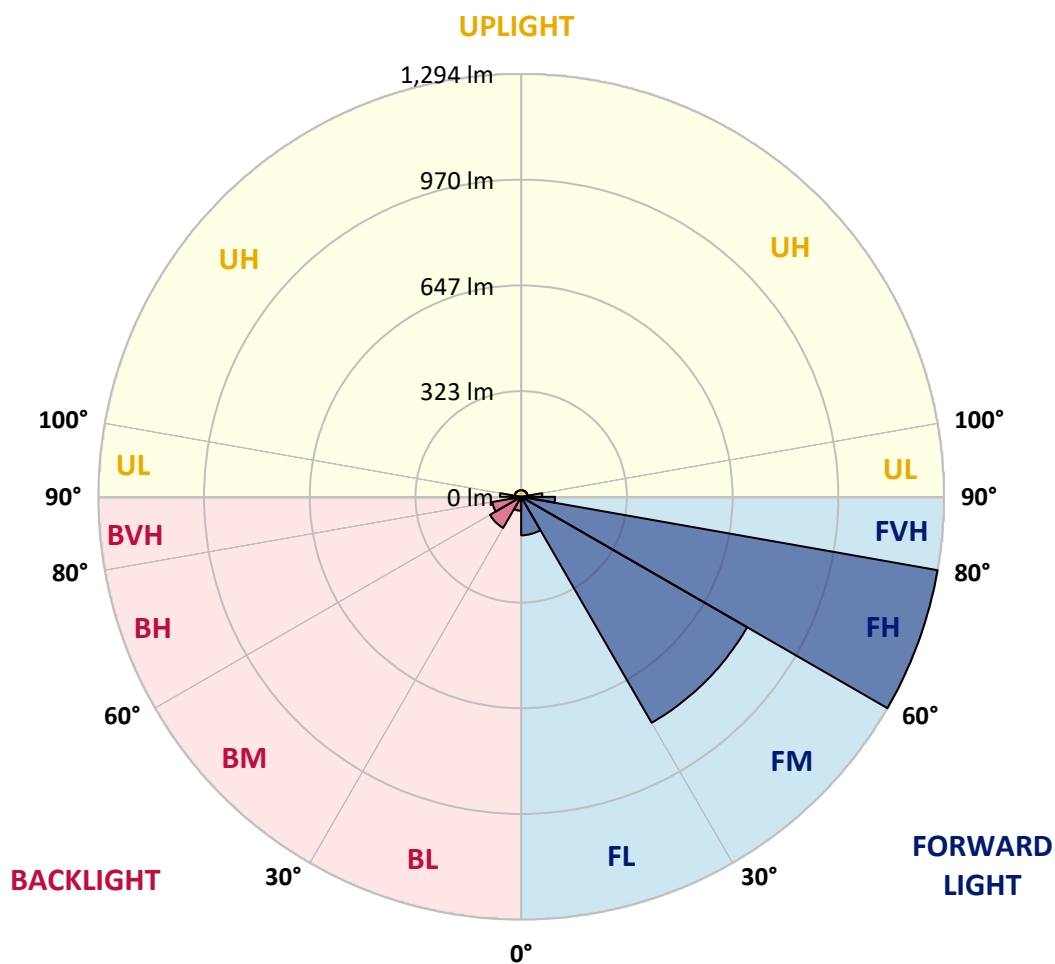
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.7	4.4			
FM	(30°-60°)	798.3	29.9			
FH	(60°-80°)	1293.6	48.4			G1/1800
FVH	(80°-90°)	103.6	3.9			G2/225
BL	(0°-30°)	42.8	1.6	B0/110		
BM	(30°-60°)	110.0	4.1	B0/220		
BH	(60°-80°)	89.9	3.4	B0/110		G0/110
BVH	(80°-90°)	31.5	1.2			G1/100
UL	(90°-100°)	64.7	2.4		U3/500	
UH	(100°-180°)	20.4	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5
2.5°	295.9	310.2	305.9	313.1	311.7	310.2	310.2	311.7	310.2	307.4	304.5
5°	301.7	297.4	294.5	293.1	287.4	280.2	277.3	274.5	304.5	304.5	298.8
7.5°	310.2	310.2	304.5	300.2	300.2	293.1	285.9	280.2	265.9	261.6	261.6
10°	330.2	327.4	323.1	314.5	271.6	273.1	257.3	225.9	211.6	217.3	225.9
12.5°	334.5	333.1	327.4	326.0	285.9	243.0	201.6	225.9	215.9	180.1	200.1
15°	358.8	356.0	344.5	324.5	244.5	251.6	234.5	201.6	193.0	220.2	235.9
17.5°	305.9	305.9	343.1	314.5	265.9	211.6	210.2	234.5	211.6	197.3	195.9
20°	376.0	376.0	360.3	257.3	273.1	270.2	217.3	245.9	207.3	234.5	250.2
22.5°	313.1	311.7	323.1	318.8	261.6	275.9	223.0	224.5	247.3	211.6	181.6
25°	381.7	381.7	373.1	277.3	297.4	248.8	254.5	268.8	220.2	267.3	270.2
27.5°	328.8	327.4	311.7	317.4	277.3	304.5	231.6	253.0	270.2	288.8	317.4
30°	401.7	404.6	397.4	301.7	308.8	290.2	275.9	293.1	327.4	384.6	403.2
32.5°	496.1	498.9	423.2	363.1	310.2	353.1	295.9	323.1	376.0	403.2	423.2
35°	551.8	530.4	497.5	406.0	334.5	361.7	340.3	344.5	391.7	434.6	448.9
37.5°	599.0	570.4	531.8	418.9	353.1	390.3	354.5	360.3	424.6	463.2	481.8
40°	614.7	597.6	576.1	447.5	376.0	411.7	371.7	384.6	456.0	500.4	529.0
42.5°	653.3	654.8	641.9	487.5	400.3	434.6	400.3	408.9	497.5	551.8	593.3
45°	756.3	759.1	744.8	556.1	430.3	474.6	446.0	450.3	544.7	630.5	683.4
47.5°	887.8	877.8	863.5	647.6	476.1	520.4	498.9	494.6	600.4	733.4	780.6
50°	1020.8	1002.2	972.1	773.4	554.7	567.6	553.3	550.4	667.6	839.2	890.7
52.5°	1159.4	1145.1	1082.2	892.1	671.9	636.2	620.5	636.2	754.8	956.4	1003.6
55°	1232.3	1218.0	1178.0	1019.3	784.9	724.8	697.7	726.2	889.2	1066.5	1128.0
57.5°	1292.4	1288.1	1269.5	1152.3	922.1	819.2	792.0	819.2	996.4	1169.4	1242.3
60°	1378.2	1361.0	1378.2	1280.9	1055.1	935.0	897.8	926.4	1128.0	1259.5	1368.1
62.5°	1439.6	1435.3	1469.7	1425.3	1166.6	1056.5	1002.2	1029.3	1243.8	1355.3	1492.5
65°	1373.9	1395.3	1532.6	1519.7	1292.4	1180.9	1123.7	1115.1	1338.1	1458.2	1625.5
67.5°	1256.6	1270.9	1471.1	1568.3	1402.5	1306.7	1238.1	1198.0	1425.3	1551.1	1731.3
70°	1145.1	1162.3	1345.3	1571.2	1455.4	1468.2	1372.4	1298.1	1512.5	1655.5	1754.1
72.5°	1056.5	1072.2	1236.6	1536.8	1473.9	1629.8	1519.7	1403.9	1596.9	1658.4	1532.6
75°	659.1	670.5	995.0	1375.3	1485.4	1775.6	1654.1	1502.5	1589.7	1428.2	1030.8
77.5°	203.0	207.3	426.0	907.8	1290.9	1761.3	1631.2	1412.5	1332.4	906.4	470.3
80°	70.1	71.5	110.1	323.1	772.0	1336.7	1243.8	1039.3	796.3	334.5	177.3
82.5°	32.9	35.7	51.5	108.7	314.5	730.5	734.8	617.6	334.5	148.7	120.1
85°	11.4	11.4	21.4	47.2	121.5	281.6	267.3	248.8	175.8	134.4	111.5
87.5°	4.3	4.3	7.1	12.9	30.0	60.0	75.8	92.9	92.9	94.4	112.9
90°	4.3	4.3	2.9	2.9	21.4	62.9	75.8	84.3	77.2	85.8	122.9
92.5°	4.3	4.3	2.9	2.9	22.9	72.9	84.3	91.5	81.5	91.5	135.8
95°	4.3	4.3	2.9	2.9	25.7	88.6	98.6	97.2	81.5	95.8	145.8
97.5°	5.7	5.7	2.9	1.4	22.9	94.4	105.8	102.9	70.1	72.9	114.4
100°	5.7	5.7	2.9	1.4	14.3	70.1	84.3	82.9	45.7	11.4	32.9
102.5°	5.7	5.7	2.9	1.4	2.9	32.9	40.0	41.5	27.2	4.3	5.7
105°	7.1	7.1	2.9	1.4	1.4	5.7	12.9	17.2	10.0	2.9	5.7
107.5°	7.1	7.1	2.9	1.4	1.4	2.9	2.9	4.3	4.3	2.9	7.1
110°	7.1	7.1	2.9	2.9	1.4	1.4	1.4	1.4	2.9	2.9	7.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.7	5.7	1.4	2.9	1.4	1.4	1.4	1.4	1.4	2.9	7.1
115°	2.9	2.9	1.4	1.4	0.0	1.4	1.4	1.4	1.4	2.9	5.7
117.5°	1.4	1.4	0.0	1.4	0.0	1.4	1.4	1.4	2.9	2.9	7.1
120°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.3	8.6
122.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.3	8.6
125°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.3	8.6
127.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	4.3	7.1
130°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9	5.7
132.5°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9	4.3
135°	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	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°	4.3	4.3	2.9	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
152.5°	2.9	2.9	4.3	1.4	0.0	0.0	1.4	1.4	2.9	1.4	1.4
155°	2.9	2.9	1.4	0.0	0.0	0.0	0.0	1.4	1.4	2.9	2.9
157.5°	1.4	1.4	1.4	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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°	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5	304.5
2.5°	301.7	300.2	295.9	293.1	288.8	284.5	263.1	250.2	248.8	247.3	248.8
5°	295.9	291.6	284.5	251.6	235.9	221.6	217.3	214.4	207.3	207.3	208.7
7.5°	255.9	253.0	230.2	220.2	207.3	194.4	183.0	174.4	153.0	145.8	143.0
10°	224.5	218.7	178.7	158.7	145.8	131.5	131.5	120.1	114.4	110.1	108.7
12.5°	194.4	190.1	157.3	144.4	108.7	94.4	87.2	80.1	75.8	72.9	71.5
15°	227.3	220.2	168.7	115.8	80.1	67.2	52.9	51.5	64.3	67.2	68.6
17.5°	181.6	185.9	150.1	101.5	65.8	41.5	45.7	54.3	61.5	61.5	60.0
20°	241.6	231.6	163.0	81.5	47.2	41.5	44.3	40.0	57.2	61.5	61.5
22.5°	175.8	167.3	134.4	75.8	37.2	40.0	37.2	47.2	52.9	47.2	48.6
25°	261.6	248.8	155.8	52.9	38.6	34.3	42.9	37.2	51.5	55.8	57.2
27.5°	324.5	281.6	153.0	50.0	34.3	38.6	35.7	42.9	41.5	44.3	44.3
30°	387.4	363.1	173.0	45.7	34.3	32.9	37.2	37.2	47.2	51.5	51.5
32.5°	414.6	386.0	151.5	44.3	34.3	32.9	32.9	40.0	44.3	52.9	52.9
35°	443.2	404.6	127.2	41.5	32.9	31.5	31.5	40.0	47.2	52.9	54.3
37.5°	481.8	424.6	102.9	40.0	31.5	30.0	27.2	35.7	50.0	55.8	57.2
40°	530.4	453.2	80.1	37.2	28.6	27.2	25.7	35.7	42.9	50.0	50.0
42.5°	606.2	484.6	62.9	35.7	27.2	24.3	24.3	30.0	41.5	47.2	47.2
45°	683.4	521.8	52.9	34.3	25.7	22.9	22.9	30.0	31.5	40.0	40.0
47.5°	769.1	559.0	48.6	32.9	25.7	20.0	20.0	27.2	27.2	37.2	38.6
50°	857.8	590.4	45.7	31.5	22.9	18.6	22.9	18.6	22.9	35.7	38.6
52.5°	935.0	616.2	42.9	28.6	21.4	17.2	21.4	18.6	22.9	32.9	32.9
55°	1013.6	630.5	41.5	27.2	20.0	14.3	21.4	20.0	21.4	30.0	30.0
57.5°	1083.7	634.8	40.0	27.2	17.2	12.9	20.0	24.3	18.6	24.3	27.2
60°	1146.6	630.5	35.7	24.3	12.9	12.9	21.4	28.6	25.7	28.6	28.6
62.5°	1205.2	614.7	28.6	20.0	10.0	12.9	27.2	31.5	24.3	30.0	32.9
65°	1255.2	593.3	21.4	15.7	7.1	14.3	28.6	35.7	28.6	34.3	37.2
67.5°	1278.1	564.7	17.2	12.9	7.1	15.7	30.0	40.0	32.9	38.6	41.5
70°	1239.5	506.1	14.3	12.9	5.7	18.6	31.5	42.9	37.2	48.6	50.0
72.5°	1029.3	397.4	12.9	12.9	10.0	22.9	40.0	48.6	45.7	65.8	64.3
75°	681.9	217.3	12.9	11.4	12.9	27.2	48.6	57.2	50.0	74.3	74.3
77.5°	314.5	95.8	11.4	12.9	14.3	30.0	55.8	68.6	57.2	84.3	82.9
80°	137.2	58.6	11.4	11.4	15.7	32.9	62.9	77.2	62.9	92.9	92.9
82.5°	102.9	52.9	10.0	11.4	21.4	37.2	72.9	85.8	70.1	100.1	98.6
85°	95.8	50.0	11.4	12.9	24.3	47.2	85.8	92.9	72.9	102.9	102.9
87.5°	97.2	48.6	11.4	12.9	32.9	60.0	97.2	100.1	80.1	108.7	108.7
90°	100.1	50.0	12.9	14.3	37.2	65.8	108.7	107.2	90.1	114.4	114.4
92.5°	107.2	50.0	14.3	15.7	40.0	72.9	118.7	110.1	97.2	118.7	115.8
95°	111.5	50.0	15.7	17.2	47.2	80.1	125.8	107.2	102.9	110.1	107.2
97.5°	82.9	37.2	18.6	20.0	48.6	90.1	115.8	91.5	67.2	65.8	67.2
100°	27.2	12.9	20.0	21.4	31.5	62.9	85.8	65.8	35.7	27.2	27.2
102.5°	7.1	7.1	18.6	20.0	17.2	27.2	50.0	42.9	24.3	1.4	2.9
105°	7.1	5.7	11.4	15.7	10.0	7.1	20.0	24.3	18.6	1.4	1.4
107.5°	7.1	5.7	5.7	8.6	2.9	2.9	5.7	5.7	5.7	1.4	1.4
110°	7.1	5.7	2.9	2.9	2.9	2.9	2.9	1.4	1.4	2.9	2.9

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CATALOG NUMBER: SDL-PA1-40-830-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

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