

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: P560297

Luminaire Tested: **SDL-PA1-30-830-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560297
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-PA1-30-830-U-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA 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: 2053.5 lumens
Efficiency: N/A
Efficacy: 68.2 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): 30.1
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

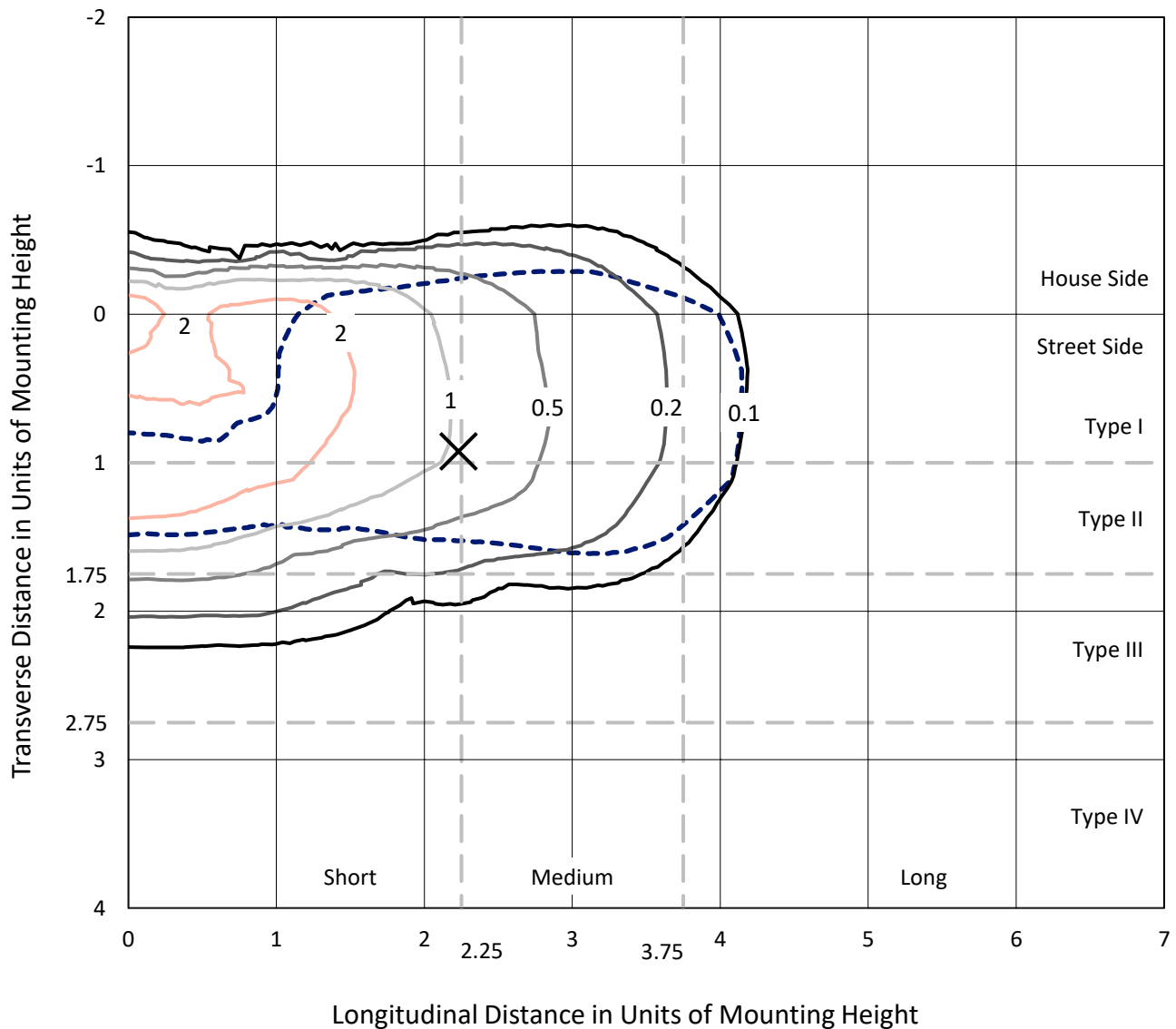


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

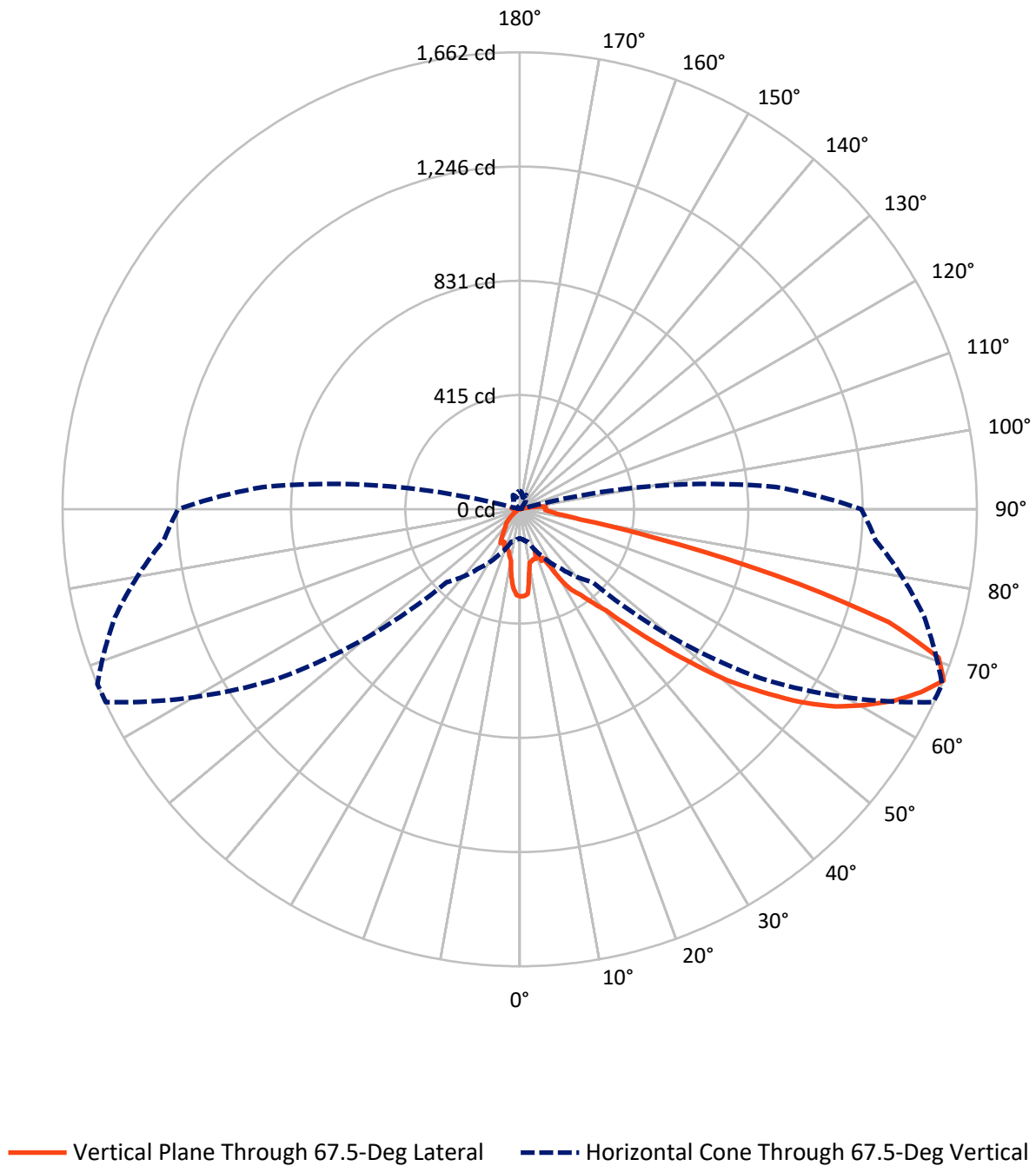


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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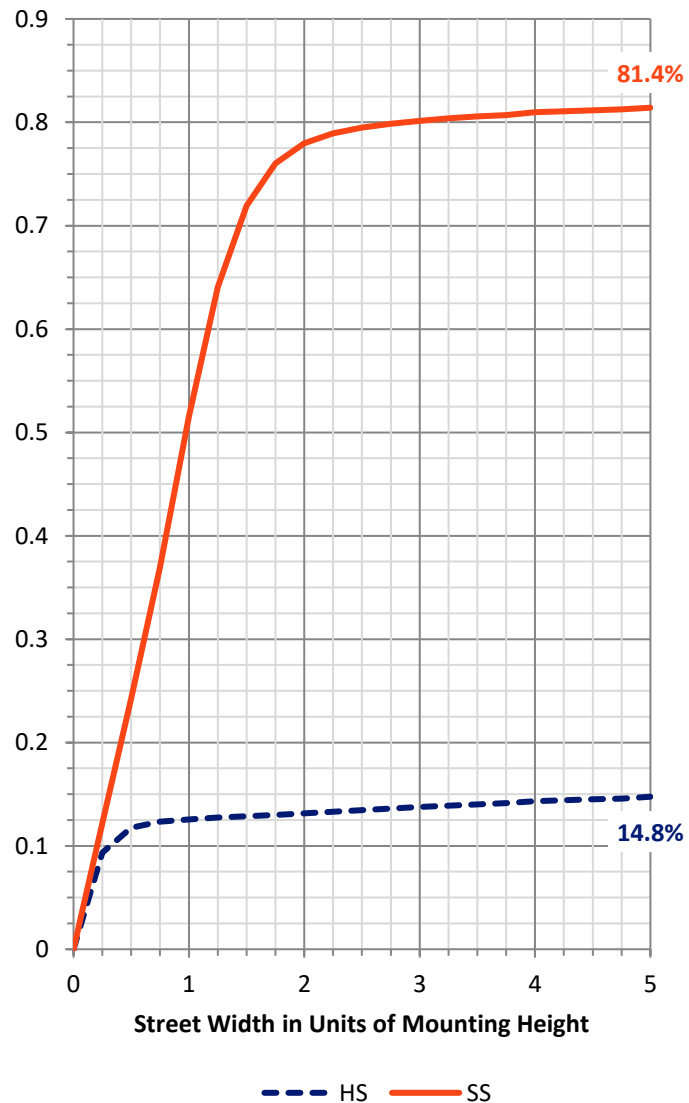
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.3	24.0	345.3
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1682.8	25.5	1708.2
	% Fixture	81.9	1.2	83.2
Total	Lumens	2004.1	49.4	2053.5
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	1.2
10°-20°	46.4	2.3
20°-30°	70.0	3.4
30°-40°	161.3	7.9
40°-50°	359.5	17.5
50°-60°	535.0	26.1
60°-70°	477.1	23.2
70°-80°	267.8	13.0
80°-90°	62.5	3.0
90°-100°	34.3	1.7
100°-110°	7.9	0.4
110°-120°	3.1	0.2
120°-130°	2.1	0.1
130°-140°	1.1	0.1
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°	2004.1	97.6
0°-180°	2053.5	100.0

Coefficient of Utilization



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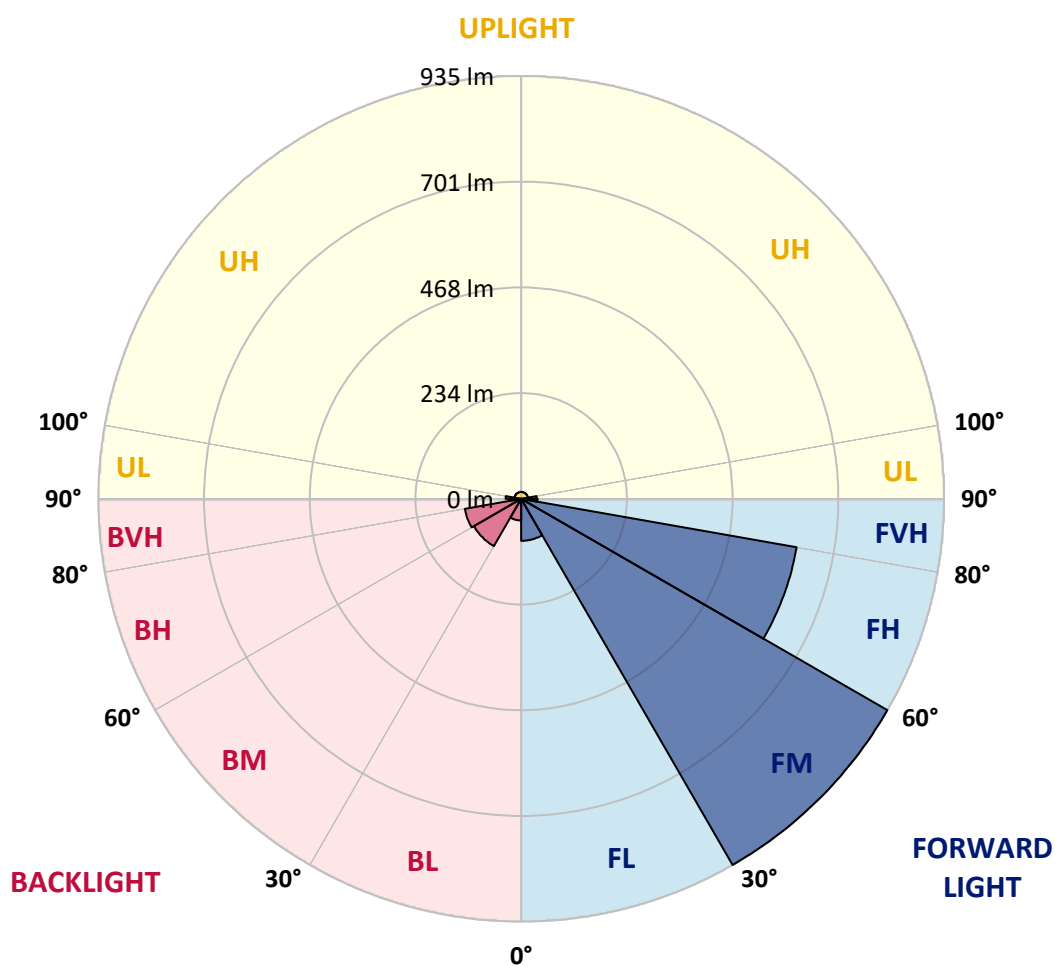
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	92.9	4.5			
FM	(30°-60°)	935.0	45.5			
FH	(60°-80°)	618.5	30.1			G0/660
FVH	(80°-90°)	36.3	1.8			G1/100
BL	(0°-30°)	47.9	2.3	B0/110		
BM	(30°-60°)	120.8	5.9	B0/220		
BH	(60°-80°)	126.4	6.2	B1/500		G1/500
BVH	(80°-90°)	26.2	1.3			G1/100
UL	(90°-100°)	34.3	1.7		U2/50	
UH	(100°-180°)	15.1	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°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	268.5	283.9	300.3	311.3	313.5	316.8	316.8	315.7	315.7	314.6	314.6
5°	260.9	259.8	260.9	263.1	262.0	262.0	262.0	305.8	309.1	311.3	311.3
7.5°	224.7	230.2	247.7	254.3	256.5	258.7	258.7	255.4	243.3	269.6	272.9
10°	244.4	243.3	243.3	245.5	229.1	222.5	200.6	197.3	197.3	206.1	234.6
12.5°	205.0	217.0	233.5	240.0	221.4	196.2	190.7	195.1	194.0	169.9	198.4
15°	232.4	232.4	230.2	225.8	174.3	195.1	164.4	164.4	187.4	201.7	226.9
17.5°	188.5	194.0	221.4	218.1	191.8	146.9	191.8	176.5	189.6	177.6	190.7
20°	231.3	230.2	231.3	176.5	195.1	201.7	191.8	172.1	156.7	206.1	228.0
22.5°	190.7	188.5	199.5	218.1	184.1	209.4	175.4	209.4	203.9	183.0	164.4
25°	246.6	245.5	247.7	192.9	215.9	187.4	215.9	187.4	196.2	234.6	240.0
27.5°	222.5	221.4	218.1	235.7	205.0	236.8	203.9	229.1	235.7	254.3	294.8
30°	313.5	309.1	298.1	236.8	241.1	228.0	241.1	281.7	303.6	340.9	352.9
32.5°	457.1	434.1	361.7	313.5	255.4	291.6	272.9	331.0	351.8	370.5	380.3
35°	590.8	580.9	528.3	414.3	311.3	322.3	308.0	370.5	382.5	422.0	419.8
37.5°	773.8	757.4	676.3	534.9	391.3	386.9	350.7	422.0	430.8	487.8	476.8
40°	910.8	897.7	834.1	664.2	497.6	459.3	409.9	493.2	483.4	560.1	544.8
42.5°	1042.4	1034.7	985.4	812.2	614.9	571.1	471.3	580.9	578.7	645.6	632.4
45°	1148.7	1139.9	1108.1	944.8	749.7	750.8	567.8	677.4	692.7	756.3	722.3
47.5°	1211.2	1192.5	1169.5	1050.1	885.6	922.9	710.3	787.0	824.3	879.1	827.5
50°	1196.9	1178.3	1180.5	1116.9	1010.6	1070.9	862.6	903.2	977.7	1020.5	918.5
52.5°	1082.9	1072.0	1108.1	1104.9	1074.2	1206.8	1040.2	1029.2	1102.7	1131.2	1011.7
55°	920.7	905.4	973.3	1021.6	1074.2	1291.2	1204.6	1169.5	1236.4	1232.0	1075.3
57.5°	699.3	704.8	781.5	857.1	986.5	1307.6	1326.3	1321.9	1352.6	1315.3	1125.7
60°	477.9	481.2	589.7	675.2	808.9	1221.0	1365.7	1447.9	1444.6	1385.5	1182.7
62.5°	300.3	299.2	381.4	516.3	582.0	994.2	1350.4	1543.3	1531.2	1438.1	1226.5
65°	173.2	177.6	207.2	342.0	404.5	678.5	1261.6	1636.5	1602.5	1485.2	1273.7
67.5°	106.3	109.6	123.9	185.2	264.2	374.9	1073.1	1659.5	1661.7	1523.6	1298.9
70°	89.9	91.0	97.6	114.0	184.1	210.4	722.3	1552.1	1615.6	1532.3	1291.2
72.5°	75.6	76.7	86.6	99.7	137.0	149.1	324.4	1282.4	1403.0	1465.5	1235.3
75°	55.9	57.0	71.2	91.0	99.7	119.5	177.6	849.5	963.5	1158.6	1053.3
77.5°	36.2	37.3	50.4	73.4	84.4	94.3	143.6	396.8	502.0	669.7	665.3
80°	24.1	24.1	29.6	51.5	66.9	76.7	125.0	196.2	223.6	276.2	258.7
82.5°	15.3	15.3	18.6	31.8	42.7	76.7	117.3	140.3	135.9	138.1	122.8
85°	6.6	6.6	9.9	17.5	23.0	50.4	105.2	120.6	115.1	115.1	109.6
87.5°	2.2	2.2	3.3	5.5	7.7	15.3	81.1	96.5	93.2	96.5	104.1
90°	2.2	2.2	1.1	2.2	2.2	11.0	65.8	95.4	93.2	97.6	107.4
92.5°	3.3	3.3	1.1	1.1	2.2	8.8	51.5	98.6	95.4	101.9	111.8
95°	5.5	5.5	2.2	1.1	3.3	7.7	31.8	87.7	95.4	100.8	114.0
97.5°	6.6	6.6	2.2	2.2	3.3	6.6	16.4	71.2	73.4	76.7	89.9
100°	8.8	8.8	2.2	2.2	2.2	5.5	8.8	37.3	38.4	27.4	43.8
102.5°	8.8	8.8	2.2	2.2	2.2	3.3	4.4	16.4	15.3	5.5	5.5
105°	9.9	9.9	3.3	2.2	2.2	2.2	2.2	5.5	5.5	3.3	6.6
107.5°	9.9	9.9	3.3	3.3	2.2	2.2	1.1	2.2	3.3	3.3	6.6
110°	7.7	7.7	3.3	3.3	2.2	1.1	1.1	1.1	2.2	3.3	7.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	5.5	5.5	2.2	3.3	2.2	1.1	1.1	1.1	2.2	4.4	11.0
115°	2.2	2.2	1.1	2.2	1.1	1.1	1.1	2.2	2.2	3.3	8.8
117.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	1.1	3.3	7.7
120°	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	4.4	7.7
122.5°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	4.4	7.7
125°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	3.3	6.6
127.5°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2	6.6
130°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2	4.4
132.5°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2	3.3
135°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	2.2
137.5°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1
140°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	2.2	2.2	1.1	0.0	2.2	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	2.2	1.1	1.1	1.1
155°	2.2	2.2	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2	3.3
157.5°	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	0.0	0.0	1.1
160°	0.0	0.0	0.0	0.0	1.1	0.0	1.1	1.1	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°	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8	316.8
2.5°	313.5	313.5	312.4	312.4	309.1	308.0	293.8	278.4	266.3	267.4	267.4
5°	310.2	308.0	304.7	282.8	255.4	251.0	251.0	248.8	247.7	248.8	248.8
7.5°	270.7	268.5	255.4	244.4	245.5	243.3	238.9	237.9	219.2	200.6	199.5
10°	233.5	230.2	195.1	187.4	186.3	194.0	212.6	206.1	199.5	191.8	195.1
12.5°	195.1	194.0	162.2	179.8	156.7	161.1	165.5	158.9	135.9	109.6	112.9
15°	225.8	222.5	184.1	149.1	133.7	134.8	88.8	85.5	69.1	62.5	59.2
17.5°	167.7	184.1	161.1	149.1	134.8	70.1	57.0	43.8	39.5	31.8	32.9
20°	224.7	220.3	184.1	139.2	104.1	59.2	31.8	25.2	30.7	31.8	31.8
22.5°	158.9	154.5	155.6	148.0	73.4	34.0	24.1	25.2	23.0	21.9	21.9
25°	233.5	225.8	188.5	112.9	54.8	21.9	23.0	17.5	20.8	20.8	20.8
27.5°	283.9	257.6	198.4	109.6	30.7	21.9	16.4	17.5	14.2	14.2	14.2
30°	339.8	324.4	259.8	101.9	24.1	17.5	15.3	12.1	13.2	13.2	13.2
32.5°	365.0	344.2	259.8	81.1	20.8	16.4	12.1	11.0	11.0	12.1	12.1
35°	401.2	379.2	258.7	53.7	17.5	13.2	9.9	9.9	9.9	9.9	9.9
37.5°	456.0	424.2	263.1	34.0	14.2	11.0	7.7	8.8	8.8	18.6	18.6
40°	517.4	481.2	251.0	24.1	12.1	8.8	6.6	11.0	15.3	16.4	16.4
42.5°	595.2	555.7	233.5	20.8	11.0	6.6	5.5	8.8	13.2	20.8	20.8
45°	688.3	629.2	209.4	18.6	8.8	5.5	5.5	11.0	16.4	19.7	19.7
47.5°	771.6	700.4	167.7	17.5	7.7	4.4	7.7	12.1	14.2	23.0	23.0
50°	869.2	774.9	128.2	15.3	6.6	4.4	12.1	13.2	16.4	20.8	20.8
52.5°	941.5	837.4	97.6	14.2	6.6	3.3	12.1	12.1	18.6	24.1	24.1
55°	999.6	871.4	70.1	12.1	5.5	3.3	14.2	15.3	16.4	18.6	18.6
57.5°	1044.6	895.5	54.8	11.0	5.5	7.7	17.5	19.7	17.5	18.6	18.6
60°	1096.1	907.6	40.6	9.9	4.4	7.7	20.8	26.3	19.7	28.5	27.4
62.5°	1143.2	916.3	32.9	9.9	4.4	8.8	23.0	32.9	26.3	38.4	39.5
65°	1202.4	927.3	27.4	7.7	4.4	12.1	27.4	43.8	35.1	50.4	52.6
67.5°	1241.9	933.9	23.0	7.7	4.4	14.2	38.4	57.0	43.8	63.6	65.8
70°	1246.3	909.8	18.6	7.7	4.4	21.9	52.6	69.1	54.8	81.1	82.2
72.5°	1189.3	840.7	15.3	8.8	4.4	24.1	61.4	80.0	64.7	107.4	108.5
75°	961.3	589.7	14.2	8.8	4.4	30.7	66.9	87.7	72.3	111.8	114.0
77.5°	590.8	272.9	13.2	9.9	6.6	34.0	68.0	93.2	75.6	111.8	115.1
80°	229.1	134.8	12.1	11.0	15.3	38.4	73.4	94.3	75.6	104.1	108.5
82.5°	106.3	78.9	12.1	12.1	19.7	39.5	72.3	87.7	70.1	93.2	92.1
85°	95.4	77.8	13.2	13.2	20.8	34.0	57.0	74.5	60.3	73.4	73.4
87.5°	93.2	76.7	14.2	16.4	20.8	19.7	43.8	63.6	51.5	54.8	54.8
90°	95.4	80.0	15.3	18.6	17.5	11.0	35.1	52.6	39.5	35.1	34.0
92.5°	101.9	81.1	18.6	21.9	16.4	8.8	29.6	42.7	28.5	23.0	21.9
95°	107.4	83.3	23.0	26.3	17.5	7.7	26.3	34.0	20.8	14.2	13.2
97.5°	89.9	64.7	26.3	28.5	17.5	7.7	23.0	27.4	16.4	7.7	7.7
100°	38.4	28.5	27.4	30.7	16.4	6.6	19.7	21.9	11.0	3.3	4.4
102.5°	7.7	8.8	24.1	28.5	13.2	4.4	13.2	13.2	7.7	1.1	2.2
105°	7.7	6.6	15.3	24.1	7.7	2.2	5.5	7.7	3.3	1.1	1.1
107.5°	7.7	7.7	5.5	12.1	3.3	2.2	2.2	3.3	2.2	1.1	1.1
110°	8.8	7.7	2.2	3.3	2.2	2.2	2.2	2.2	1.1	5.5	6.6

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CATALOG NUMBER: SDL-PA1-30-830-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.0	9.9	2.2	3.3	3.3	2.2	1.1	1.1	2.2	7.7	8.8
115°	9.9	8.8	3.3	3.3	2.2	2.2	1.1	1.1	2.2	8.8	9.9
117.5°	7.7	7.7	3.3	2.2	2.2	2.2	1.1	1.1	2.2	8.8	8.8
120°	8.8	7.7	3.3	2.2	1.1	1.1	1.1	1.1	2.2	6.6	6.6
122.5°	8.8	7.7	3.3	2.2	1.1	1.1	1.1	1.1	2.2	6.6	7.7
125°	7.7	6.6	3.3	2.2	1.1	1.1	1.1	1.1	3.3	6.6	6.6
127.5°	6.6	5.5	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	5.5
130°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	1.1	3.3	4.4	4.4
132.5°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	4.4	4.4
135°	3.3	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
140°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
152.5°	1.1	1.1	2.2	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
155°	3.3	3.3	3.3	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.1	1.1	1.1	1.1	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)