

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: P560278

Luminaire Tested: **SDL-PA1-30-827-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-827-U-T3-A
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2616.7 lumens
Efficiency: N/A
Efficacy: 86.9 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 - 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

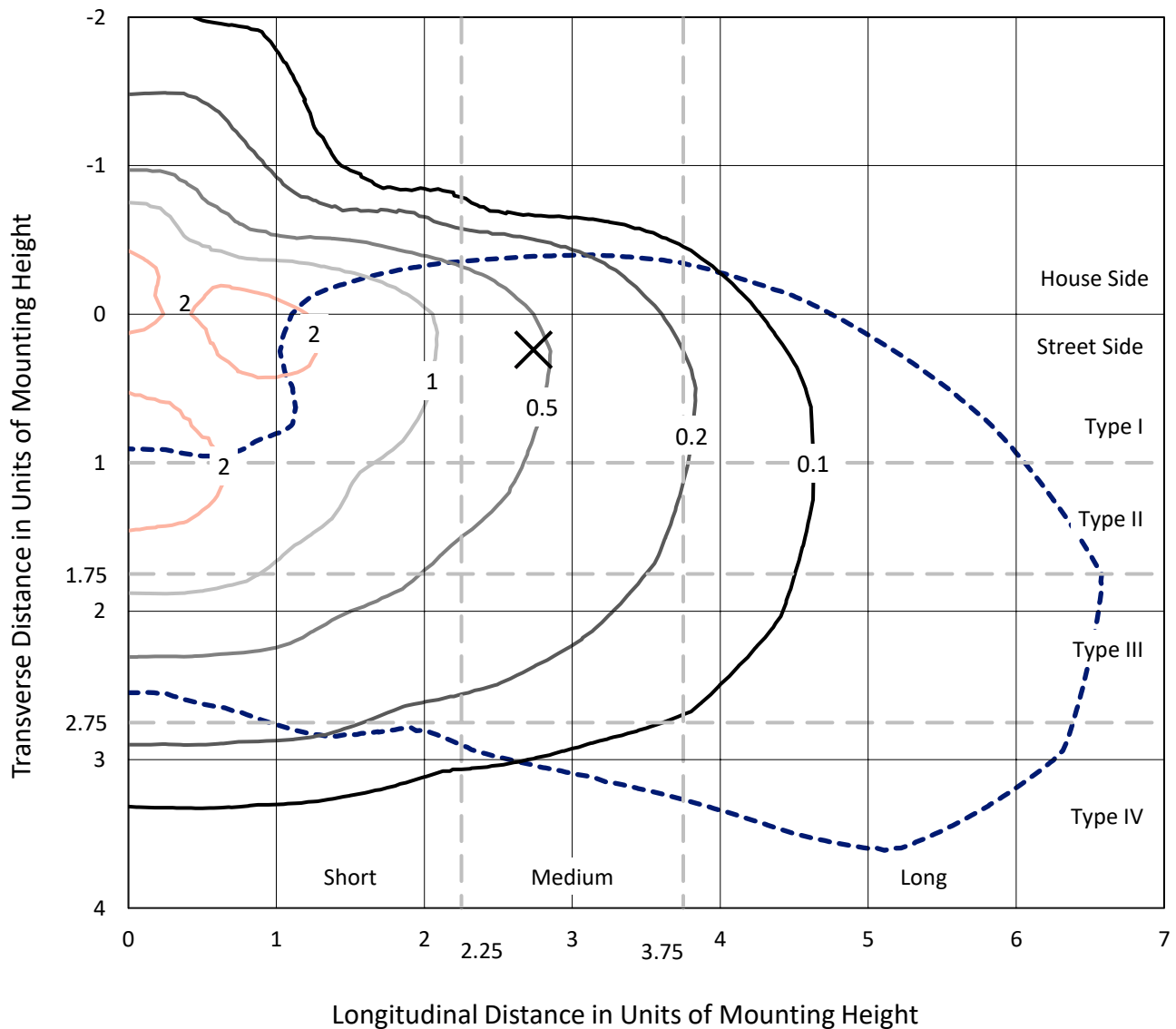


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

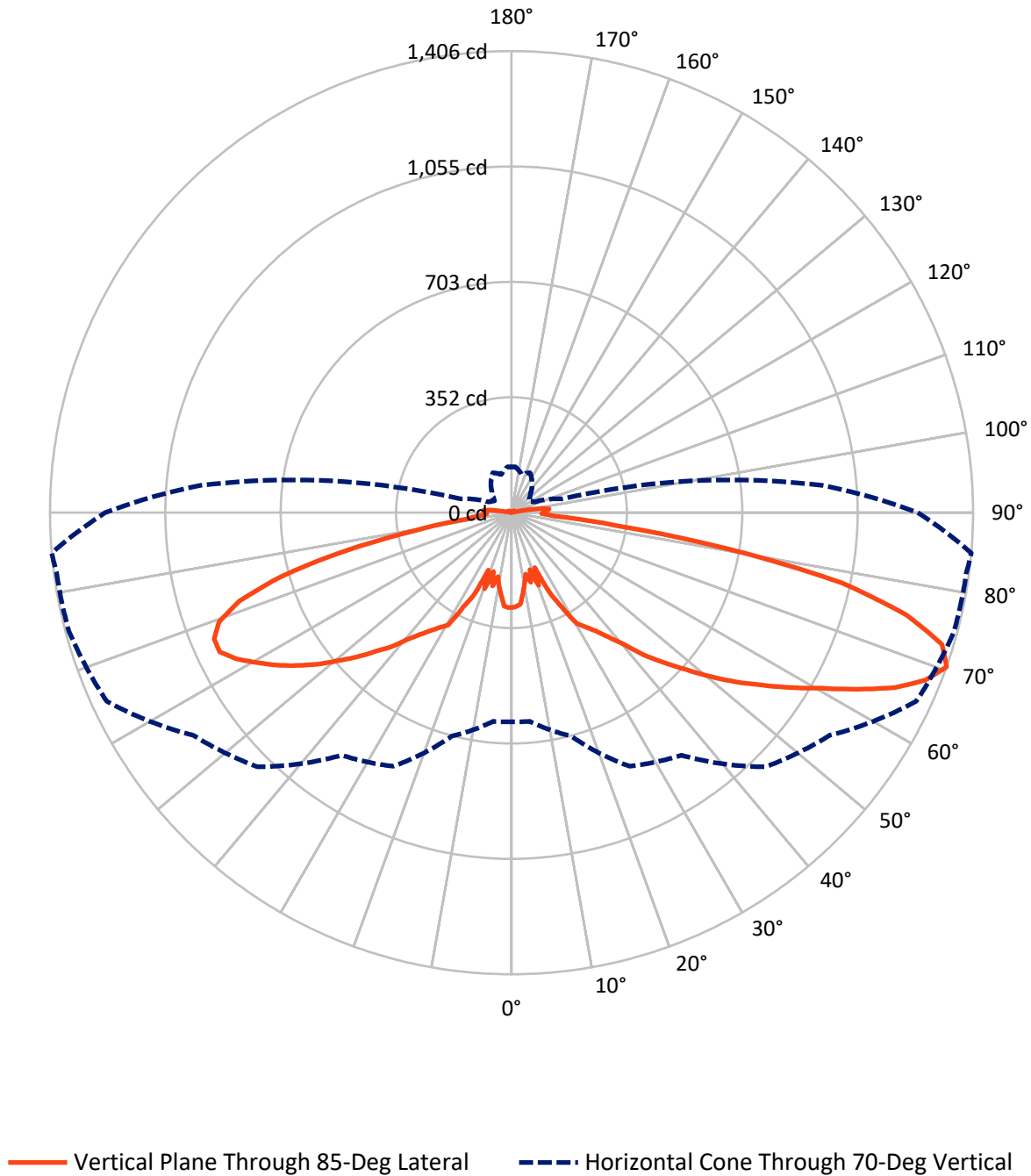


Based on 10 foot mounting height. Maximum calculated value = 3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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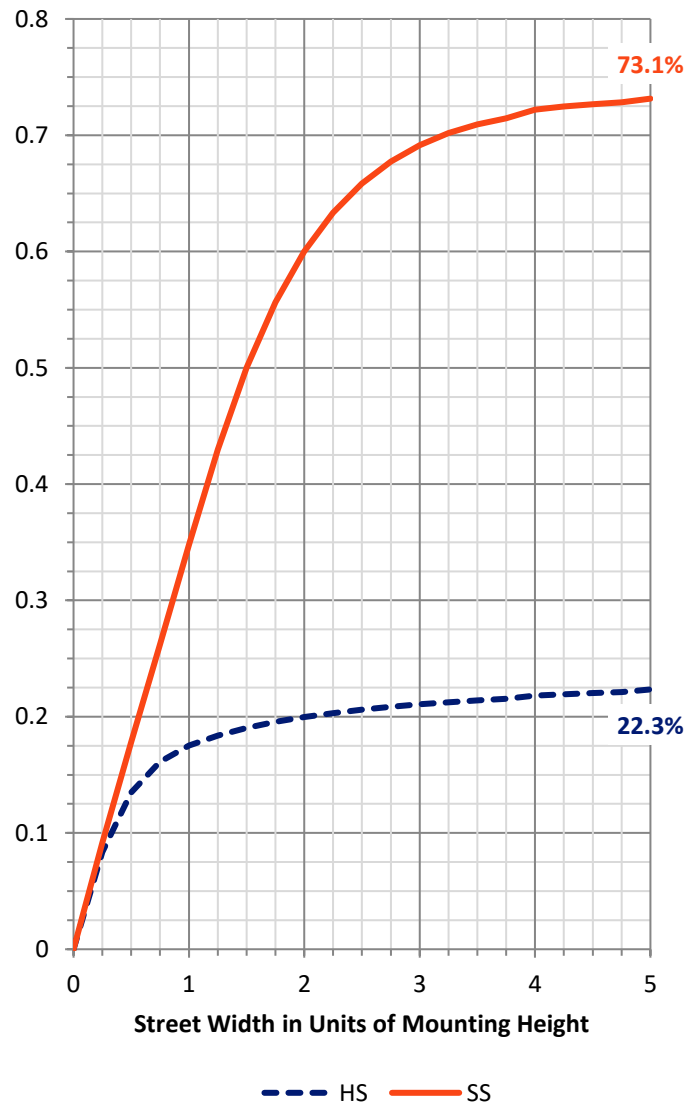
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.2	39.6	654.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	1928.4	33.5	1961.9
	% Fixture	73.7	1.3	75.0
Total	Lumens	2543.6	73.1	2616.7
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.6	0.9
10°-20°	57.7	2.2
20°-30°	105.2	4.0
30°-40°	198.8	7.6
40°-50°	332.3	12.7
50°-60°	518.6	19.8
60°-70°	643.1	24.6
70°-80°	525.4	20.1
80°-90°	139.1	5.3
90°-100°	52.8	2.0
100°-110°	11.3	0.4
110°-120°	3.6	0.1
120°-130°	2.8	0.1
130°-140°	1.3	0.1
140°-150°	0.6	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2543.6	97.2
0°-180°	2616.7	100.0

Coefficient of Utilization



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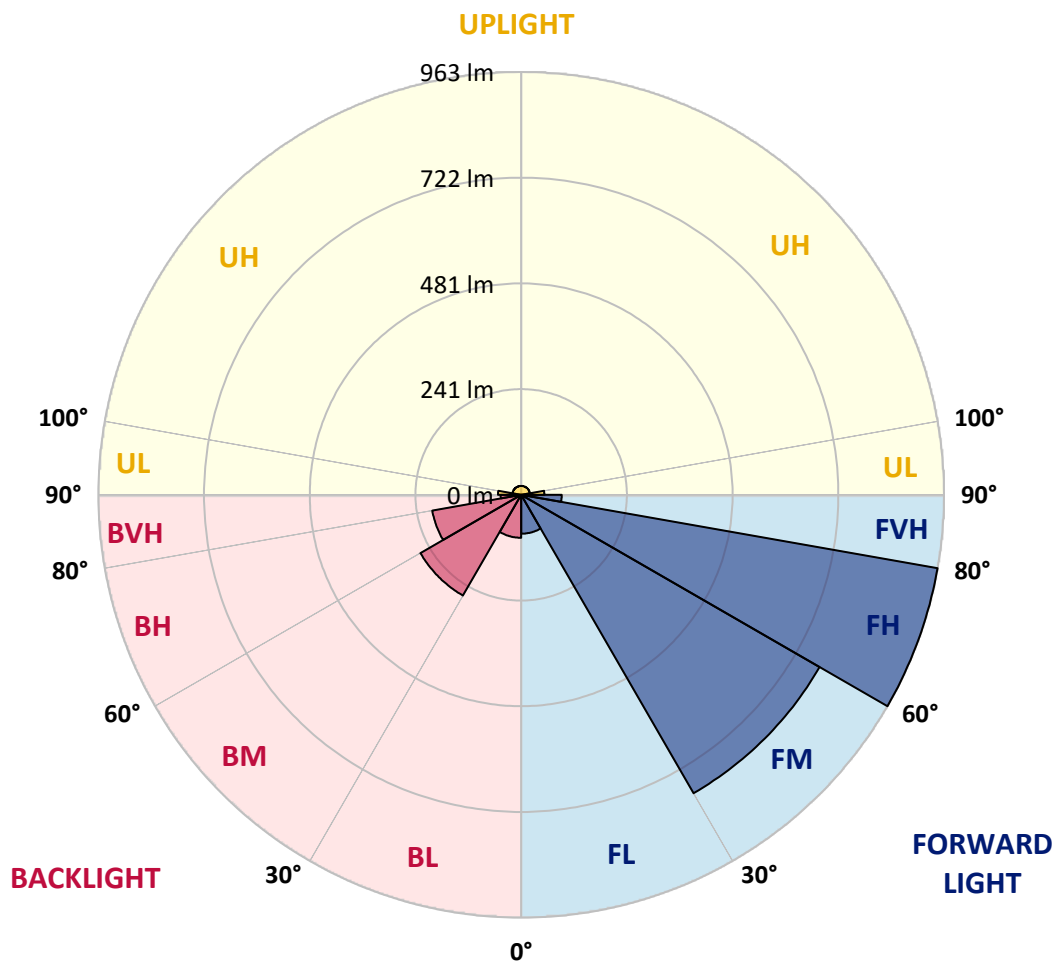
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	88.6	3.4			
FM	(30°-60°)	784.6	30.0			
FH	(60°-80°)	962.9	36.8			G1/1800
FVH	(80°-90°)	92.3	3.5			G1/100
BL	(0°-30°)	97.8	3.7	B0/110		
BM	(30°-60°)	265.0	10.1	B1/1000		
BH	(60°-80°)	205.6	7.9	B1/500		G1/500
BVH	(80°-90°)	46.8	1.8			G1/100
UL	(90°-100°)	52.8	2.0		U3/500	
UH	(100°-180°)	20.3	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	239.4	262.7	258.7	265.8	269.8	275.9	280.0	282.0	284.0	286.1	286.1
5°	222.2	223.2	224.2	225.2	227.2	230.3	233.3	265.8	275.9	280.0	280.0
7.5°	202.9	201.9	205.9	211.0	218.1	222.2	225.2	226.2	237.4	246.5	248.5
10°	201.9	202.9	202.9	204.9	192.7	191.7	177.5	178.5	193.8	217.1	218.1
12.5°	175.5	180.6	191.7	199.8	187.7	168.4	165.4	173.5	162.3	190.7	191.7
15°	195.8	194.8	194.8	186.7	158.2	166.4	148.1	154.2	188.7	215.1	220.1
17.5°	170.4	168.4	188.7	182.6	164.3	139.0	166.4	164.3	170.4	185.6	182.6
20°	214.0	212.0	208.0	158.2	166.4	174.5	169.4	158.2	199.8	223.2	236.4
22.5°	199.8	201.9	212.0	200.9	171.4	179.6	160.3	194.8	188.7	179.6	181.6
25°	272.9	270.9	260.7	196.8	204.9	167.4	195.8	173.5	239.4	265.8	267.8
27.5°	251.6	248.5	241.4	247.5	208.0	219.1	190.7	227.2	264.8	311.4	325.6
30°	333.7	330.7	322.6	249.5	247.5	217.1	231.3	279.0	357.1	392.6	391.6
32.5°	430.1	407.8	358.1	319.5	264.8	282.0	264.8	328.7	380.4	414.9	414.9
35°	489.0	484.9	458.5	371.3	308.4	307.4	304.3	362.1	420.0	444.3	442.3
37.5°	538.7	545.8	526.5	430.1	347.9	356.1	340.8	407.8	468.7	482.9	480.8
40°	607.6	605.6	595.5	480.8	396.6	395.6	384.5	462.6	522.4	532.6	527.5
42.5°	710.1	698.9	668.5	548.8	448.4	448.4	428.1	514.3	588.4	589.4	592.4
45°	835.9	830.8	777.0	654.3	515.3	514.3	480.8	569.1	655.3	660.4	651.3
47.5°	923.1	907.9	881.5	750.7	618.8	595.5	544.7	622.9	735.5	731.4	713.1
50°	1009.3	997.2	972.8	856.2	726.3	679.7	604.6	678.6	812.6	801.4	784.1
52.5°	1083.4	1067.2	1040.8	942.4	820.7	784.1	673.6	729.4	890.7	872.4	856.2
55°	1126.0	1092.5	1094.6	1019.5	891.7	862.3	750.7	811.5	966.7	940.4	927.2
57.5°	1073.3	1071.2	1104.7	1067.2	956.6	927.2	832.8	893.7	1045.9	1011.4	1005.3
60°	1020.5	1026.6	1074.3	1081.4	1007.3	986.0	903.8	1010.4	1123.0	1085.4	1085.4
62.5°	947.5	964.7	1031.7	1086.4	1012.4	1043.8	977.9	1109.8	1207.2	1172.7	1183.8
65°	864.3	864.3	941.4	1044.9	996.2	1082.4	1060.1	1218.3	1281.2	1260.9	1284.3
67.5°	750.7	752.7	832.8	963.7	966.7	1101.7	1126.0	1303.5	1358.3	1343.1	1360.3
70°	637.1	638.1	705.0	852.1	901.8	1094.6	1182.8	1360.3	1395.8	1397.9	1406.0
72.5°	476.8	494.0	556.9	691.8	789.2	1065.1	1212.2	1376.6	1394.8	1397.9	1371.5
75°	256.6	264.8	334.8	450.4	586.3	944.4	1203.1	1359.3	1346.1	1310.6	1241.7
77.5°	89.3	93.3	117.7	196.8	332.7	668.5	1115.9	1284.3	1241.7	1130.1	1028.6
80°	57.8	57.8	63.9	94.3	151.1	316.5	866.3	1100.6	1000.2	761.8	667.5
82.5°	40.6	41.6	46.7	62.9	97.4	135.9	450.4	558.9	550.8	379.4	319.5
85°	29.4	30.4	32.5	36.5	67.0	84.2	175.5	268.8	248.5	135.9	127.8
87.5°	13.2	15.2	13.2	16.2	26.4	51.7	84.2	83.2	79.1	90.3	92.3
90°	10.1	10.1	8.1	9.1	18.3	46.7	78.1	75.1	80.1	98.4	97.4
92.5°	10.1	10.1	8.1	9.1	17.2	46.7	82.2	73.0	83.2	105.5	106.5
95°	10.1	11.2	8.1	8.1	14.2	47.7	87.2	78.1	88.3	114.6	114.6
97.5°	9.1	9.1	6.1	7.1	11.2	43.6	87.2	67.0	64.9	92.3	91.3
100°	7.1	8.1	4.1	6.1	8.1	26.4	64.9	41.6	18.3	21.3	32.5
102.5°	7.1	7.1	4.1	5.1	6.1	11.2	34.5	24.3	5.1	7.1	7.1
105°	7.1	8.1	4.1	4.1	4.1	5.1	16.2	12.2	4.1	6.1	7.1
107.5°	8.1	8.1	3.0	3.0	3.0	3.0	6.1	5.1	4.1	7.1	8.1
110°	8.1	8.1	3.0	3.0	2.0	2.0	3.0	3.0	4.1	7.1	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	7.1	7.1	3.0	3.0	2.0	2.0	2.0	3.0	4.1	6.1	7.1
115°	5.1	5.1	2.0	3.0	2.0	2.0	2.0	3.0	3.0	5.1	6.1
117.5°	5.1	4.1	2.0	2.0	1.0	2.0	2.0	3.0	4.1	7.1	7.1
120°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	2.0	5.1	8.1	9.1
122.5°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	2.0	5.1	8.1	9.1
125°	6.1	5.1	3.0	1.0	1.0	1.0	1.0	1.0	4.1	7.1	8.1
127.5°	5.1	5.1	3.0	1.0	1.0	1.0	1.0	1.0	3.0	6.1	7.1
130°	5.1	5.1	3.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	5.1
132.5°	4.1	4.1	3.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	4.1
135°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	3.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	3.0	3.0	3.0	2.0	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	3.0	3.0	4.1	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0
157.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	287.1	289.1	290.1	293.2	293.2	293.2	286.1	268.8	268.8	269.8	270.9
5°	283.0	285.1	289.1	274.9	260.7	259.7	264.8	267.8	268.8	269.8	267.8
7.5°	250.6	254.6	252.6	253.6	260.7	267.8	273.9	269.8	259.7	252.6	254.6
10°	223.2	227.2	204.9	206.9	215.1	235.3	268.8	280.0	287.1	290.1	290.1
12.5°	195.8	198.8	179.6	208.0	193.8	225.2	261.7	289.1	261.7	250.6	250.6
15°	224.2	230.3	206.9	184.6	188.7	228.2	200.9	275.9	284.0	286.1	288.1
17.5°	191.7	187.7	191.7	194.8	212.0	177.5	230.3	259.7	243.5	237.4	240.4
20°	241.4	245.5	224.2	191.7	193.8	226.2	204.9	232.3	276.9	278.0	280.0
22.5°	183.6	188.7	200.9	228.2	199.8	219.1	216.1	241.4	226.2	227.2	235.3
25°	269.8	273.9	252.6	203.9	218.1	197.8	218.1	215.1	253.6	255.6	255.6
27.5°	330.7	321.6	275.9	230.3	191.7	209.0	196.8	204.9	195.8	223.2	227.2
30°	393.6	393.6	358.1	256.6	202.9	177.5	179.6	194.8	217.1	221.1	221.1
32.5°	412.9	411.9	366.2	278.0	199.8	183.6	165.4	183.6	222.2	241.4	243.5
35°	440.3	436.2	380.4	270.9	192.7	167.4	156.2	184.6	213.0	216.1	214.0
37.5°	474.7	464.6	397.7	257.7	176.5	157.2	150.1	166.4	190.7	190.7	190.7
40°	517.4	501.1	403.7	239.4	159.3	144.0	136.9	154.2	170.4	161.3	158.2
42.5°	575.2	550.8	408.8	226.2	144.0	132.9	123.8	140.0	148.1	143.0	141.0
45°	628.9	592.4	416.9	212.0	131.9	122.7	114.6	128.8	134.9	129.8	128.8
47.5°	692.8	644.2	417.9	198.8	122.7	114.6	108.5	120.7	124.8	124.8	123.8
50°	758.8	693.9	426.1	187.7	113.6	106.5	105.5	114.6	117.7	115.6	114.6
52.5°	833.9	749.7	429.1	173.5	102.5	97.4	102.5	108.5	117.7	118.7	118.7
55°	914.0	801.4	427.1	154.2	94.3	92.3	99.4	112.6	120.7	114.6	113.6
57.5°	992.1	853.1	428.1	132.9	86.2	90.3	100.4	117.7	123.8	116.7	113.6
60°	1062.1	899.8	413.9	113.6	80.1	85.2	104.5	122.7	120.7	122.7	119.7
62.5°	1148.3	948.5	373.3	101.4	75.1	83.2	104.5	125.8	117.7	125.8	125.8
65°	1219.3	985.0	315.5	91.3	71.0	83.2	105.5	126.8	114.6	127.8	127.8
67.5°	1249.8	984.0	228.2	83.2	65.9	81.2	105.5	130.9	117.7	131.9	130.9
70°	1237.6	950.5	161.3	77.1	62.9	82.2	109.6	133.9	120.7	140.0	139.0
72.5°	1155.4	871.4	116.7	72.0	58.8	78.1	112.6	138.0	123.8	152.2	152.2
75°	1017.5	728.4	94.3	67.0	54.8	77.1	113.6	140.0	125.8	154.2	154.2
77.5°	778.1	523.4	79.1	61.9	50.7	75.1	112.6	143.0	124.8	154.2	154.2
80°	466.6	298.2	65.9	55.8	51.7	74.1	114.6	143.0	124.8	152.2	152.2
82.5°	215.1	136.9	58.8	46.7	48.7	73.0	116.7	141.0	119.7	152.2	146.1
85°	119.7	96.4	50.7	39.6	43.6	69.0	110.6	126.8	107.5	125.8	123.8
87.5°	89.3	75.1	32.5	20.3	28.4	48.7	85.2	100.4	81.2	97.4	96.4
90°	95.4	79.1	29.4	20.3	30.4	44.6	80.1	89.3	75.1	90.3	89.3
92.5°	102.5	83.2	29.4	21.3	34.5	48.7	80.1	87.2	74.1	82.2	83.2
95°	107.5	86.2	28.4	23.3	36.5	52.7	78.1	80.1	68.0	71.0	74.1
97.5°	84.2	64.9	25.4	24.3	35.5	42.6	63.9	62.9	46.7	43.6	43.6
100°	26.4	18.3	22.3	25.4	21.3	20.3	37.5	44.6	27.4	18.3	17.2
102.5°	8.1	7.1	20.3	24.3	16.2	9.1	20.3	28.4	20.3	3.0	4.1
105°	8.1	8.1	13.2	20.3	11.2	4.1	8.1	15.2	12.2	3.0	3.0
107.5°	8.1	7.1	5.1	11.2	4.1	3.0	4.1	4.1	4.1	3.0	3.0
110°	8.1	8.1	4.1	4.1	3.0	3.0	3.0	2.0	2.0	5.1	5.1



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CATALOG NUMBER: SDL-PA1-30-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	8.1	4.1	4.1	3.0	3.0	2.0	2.0	3.0	7.1	7.1
115°	7.1	7.1	4.1	3.0	2.0	3.0	2.0	2.0	3.0	8.1	8.1
117.5°	8.1	8.1	4.1	3.0	2.0	2.0	2.0	1.0	3.0	9.1	10.1
120°	10.1	9.1	5.1	2.0	2.0	2.0	2.0	2.0	4.1	8.1	9.1
122.5°	10.1	10.1	5.1	2.0	1.0	1.0	1.0	2.0	4.1	8.1	9.1
125°	9.1	9.1	5.1	2.0	1.0	1.0	1.0	1.0	4.1	7.1	7.1
127.5°	8.1	8.1	4.1	2.0	1.0	1.0	1.0	1.0	3.0	6.1	7.1
130°	6.1	6.1	3.0	2.0	1.0	1.0	1.0	1.0	3.0	5.1	6.1
132.5°	5.1	5.1	3.0	2.0	1.0	1.0	1.0	1.0	3.0	4.1	5.1
135°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.1
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	2.0
152.5°	1.0	1.0	1.0	2.0	1.0	0.0	0.0	2.0	2.0	3.0	3.0
155°	3.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
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)