

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: P560135

Luminaire Tested: **SDL-PA1-30-722-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-722-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2194.8 lumens
Efficiency: N/A
Efficacy: 72.9 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: B0 - U2 - G1

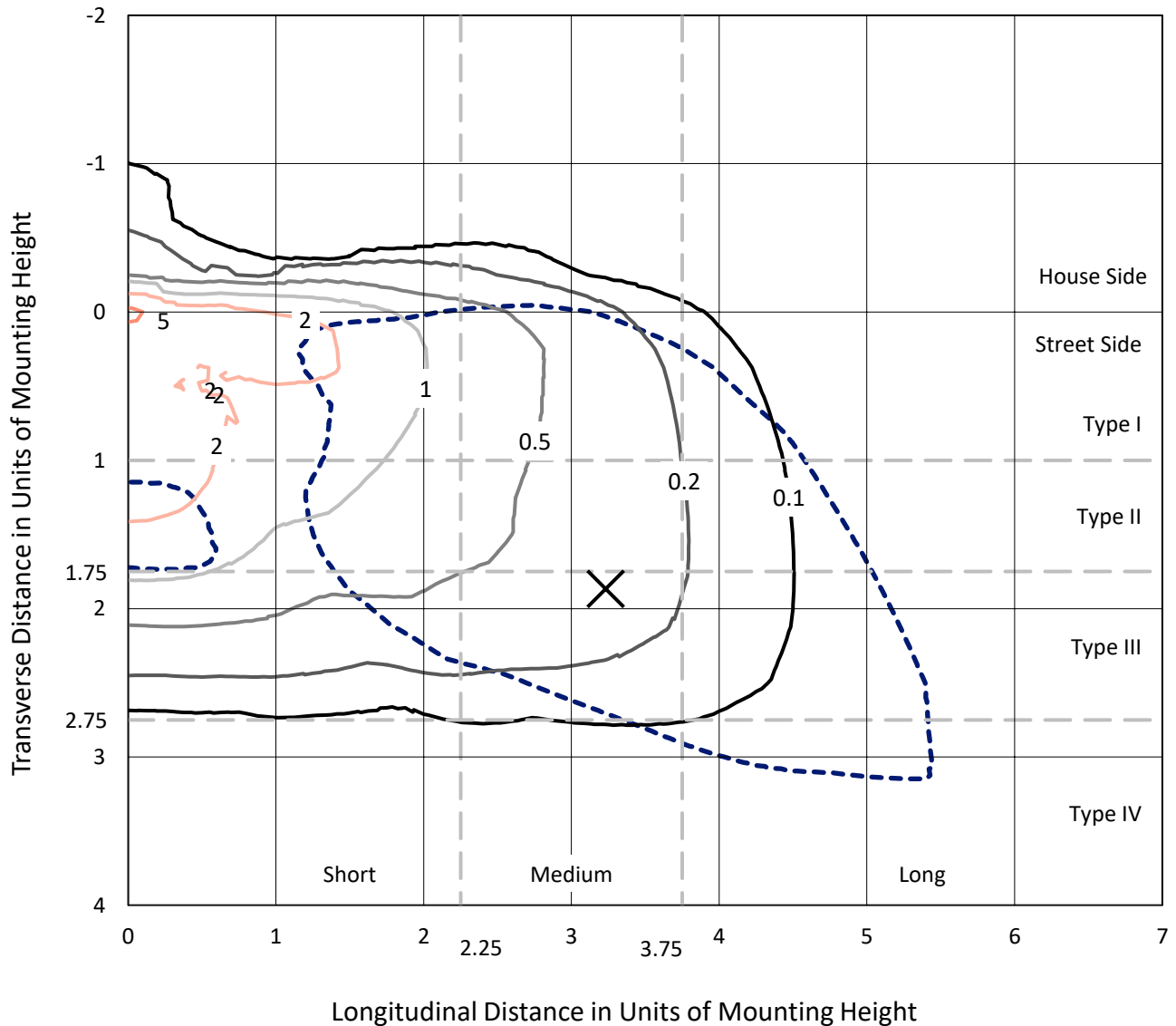
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

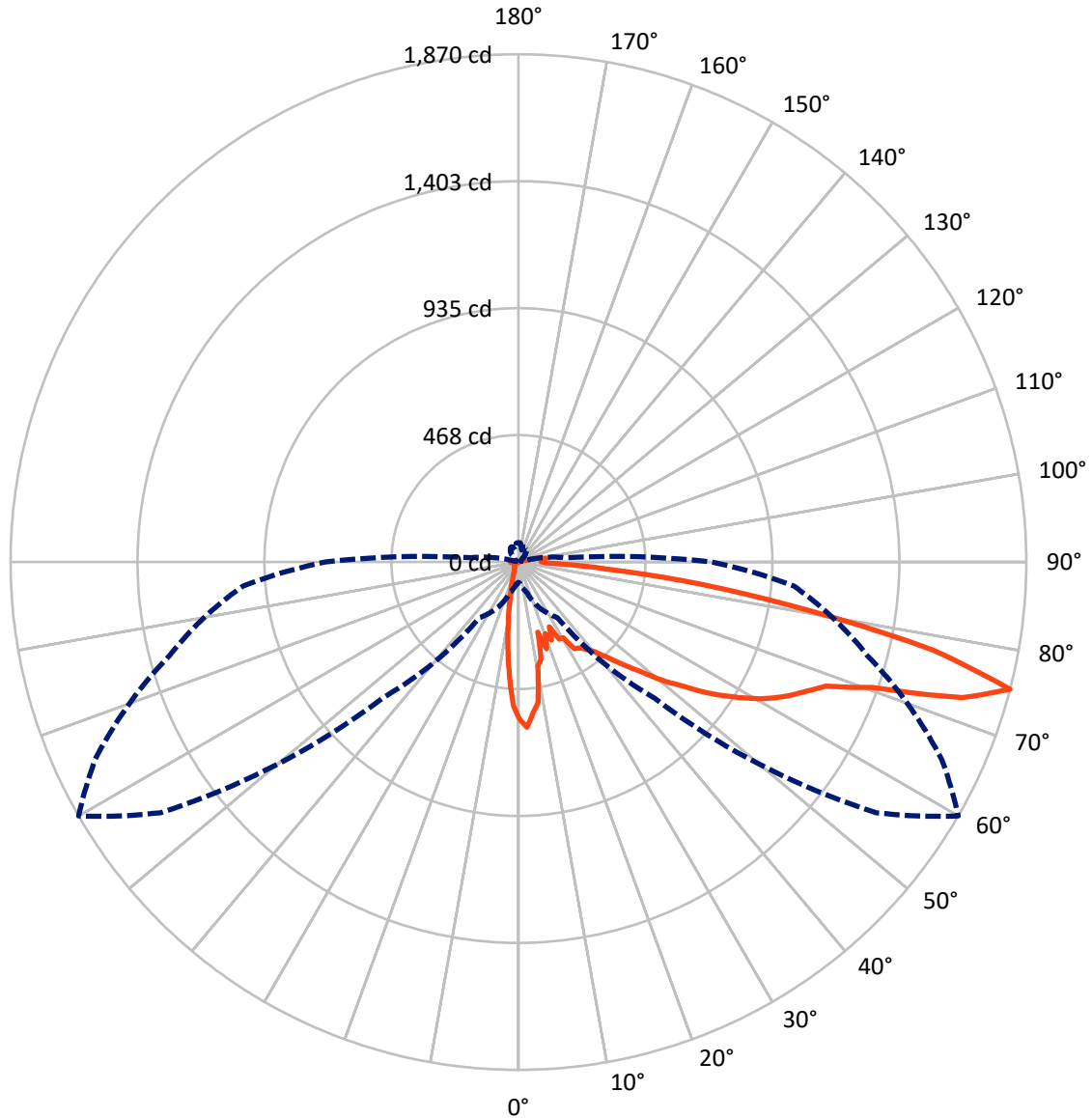
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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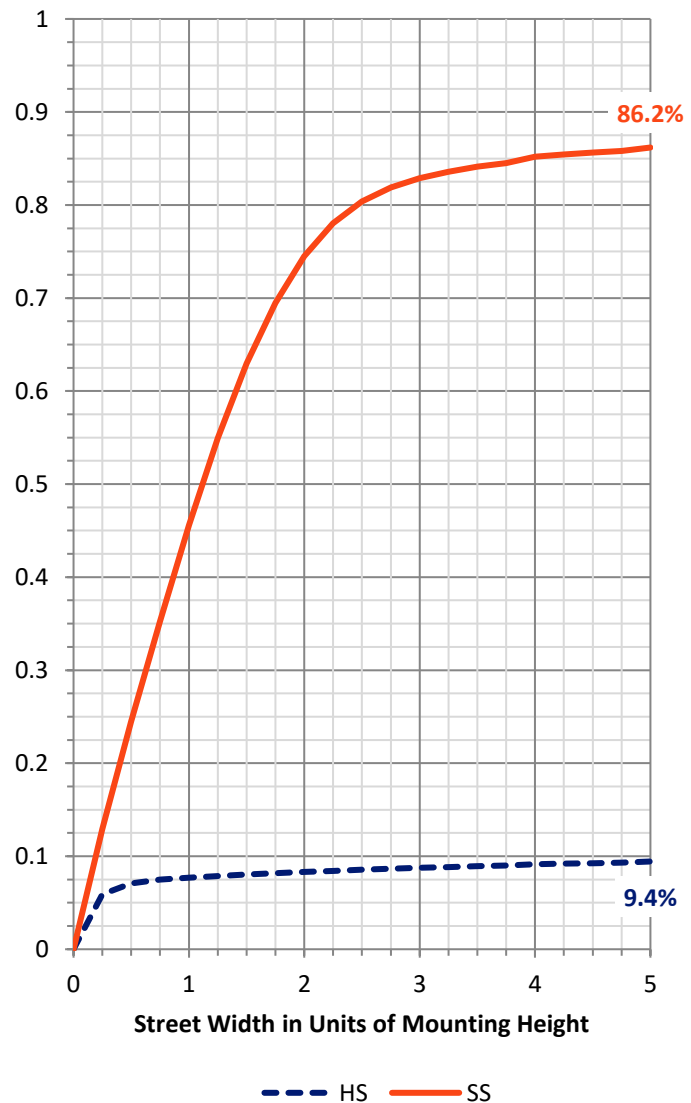
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	226.8	29.5	256.4
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	1907.5	30.9	1938.4
	% Fixture	86.9	1.4	88.3
Total	Lumens	2134.3	60.4	2194.8
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	1.8
10°-20°	66.0	3.0
20°-30°	93.4	4.3
30°-40°	167.8	7.6
40°-50°	282.7	12.9
50°-60°	439.8	20.0
60°-70°	518.9	23.6
70°-80°	420.9	19.2
80°-90°	104.5	4.8
90°-100°	42.2	1.9
100°-110°	9.8	0.4
110°-120°	3.0	0.1
120°-130°	2.7	0.1
130°-140°	1.4	0.1
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2134.3	97.2
0°-180°	2194.8	100.0



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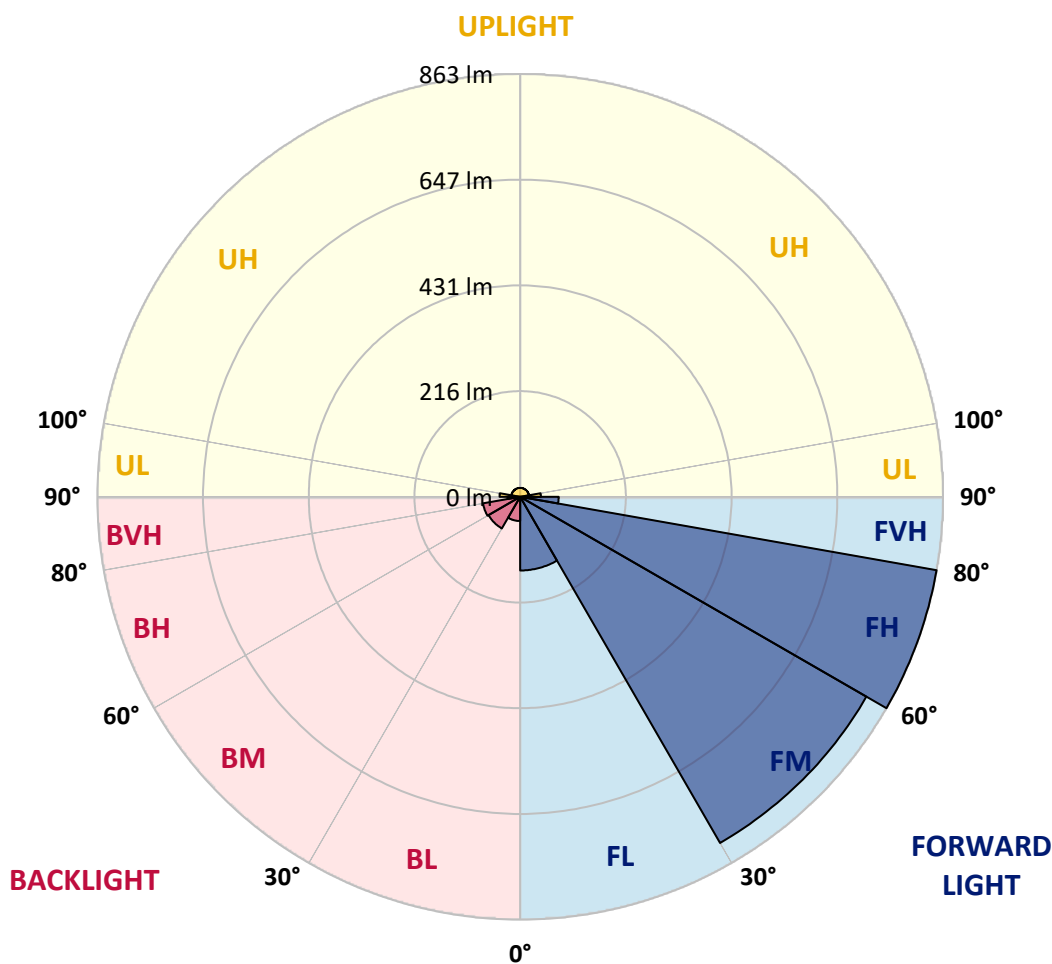
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.3	6.9			
FM	(30°-60°)	815.7	37.2			
FH	(60°-80°)	862.9	39.3			G1/1800
FVH	(80°-90°)	78.6	3.6			G1/100
BL	(0°-30°)	49.3	2.2	B0/110		
BM	(30°-60°)	74.6	3.4	B0/220		
BH	(60°-80°)	77.0	3.5	B0/110		G0/110
BVH	(80°-90°)	25.9	1.2			G1/100
UL	(90°-100°)	42.2	1.9		U2/50	
UH	(100°-180°)	18.2	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2
2.5°	545.7	587.3	575.1	613.7	618.7	616.7	614.7	609.6	604.5	595.4	581.2
5°	523.4	527.4	524.4	531.5	532.5	535.6	530.5	558.9	606.6	594.4	572.1
7.5°	430.1	472.7	477.7	490.9	503.1	515.3	522.4	521.4	460.5	517.3	491.9
10°	439.2	445.3	444.3	453.4	443.3	426.0	388.5	389.5	389.5	401.7	414.9
12.5°	347.9	366.2	410.8	425.0	394.6	359.1	362.1	369.2	374.3	317.5	349.9
15°	394.6	395.6	396.6	396.6	297.2	339.8	296.2	267.8	306.3	375.3	381.4
17.5°	309.4	306.3	357.0	353.0	327.6	252.6	328.6	335.7	322.6	315.5	317.5
20°	363.1	363.1	360.1	287.0	302.3	325.6	282.0	281.0	297.2	369.2	373.3
22.5°	294.1	291.1	307.3	319.5	287.0	310.4	277.9	312.4	345.9	326.6	266.8
25°	368.2	368.2	356.0	276.9	297.2	266.8	308.4	264.7	294.1	399.6	380.4
27.5°	340.8	331.7	303.3	314.4	266.8	310.4	284.0	321.5	339.8	413.8	443.3
30°	440.2	437.2	404.7	316.5	303.3	285.0	305.3	323.6	391.5	536.6	512.2
32.5°	587.3	571.1	460.5	391.5	318.5	337.8	325.6	380.4	430.1	548.7	519.3
35°	626.8	614.7	561.9	475.7	357.0	357.0	349.9	388.5	441.2	575.1	534.5
37.5°	640.0	639.0	620.8	520.3	409.8	410.8	370.2	407.8	463.5	610.6	556.9
40°	648.1	650.2	668.4	567.0	465.6	463.5	407.8	435.1	498.0	649.2	597.4
42.5°	682.6	693.8	716.1	618.7	518.3	519.3	453.4	478.8	543.7	713.1	653.2
45°	759.7	762.8	775.9	689.7	568.0	575.1	511.2	537.6	599.5	783.0	716.1
47.5°	876.4	876.4	854.0	745.5	626.8	637.0	572.1	599.5	665.4	885.5	789.1
50°	979.8	971.7	923.0	811.4	674.5	696.8	652.2	683.6	721.2	963.6	880.4
52.5°	1044.7	1041.7	981.9	856.1	725.2	762.8	718.1	758.7	786.1	1044.7	962.6
55°	1035.6	1035.6	997.1	879.4	771.9	822.6	803.3	854.0	864.2	1121.8	1022.4
57.5°	1001.1	1006.2	987.9	888.5	781.0	879.4	890.6	938.2	955.5	1166.5	1060.0
60°	931.1	941.3	960.6	900.7	816.5	943.3	979.8	1022.4	1054.9	1199.9	1091.4
62.5°	800.3	813.5	881.4	899.7	843.9	1009.2	1055.9	1093.4	1123.9	1218.2	1113.7
65°	606.6	630.9	729.3	834.8	841.9	1086.3	1117.8	1154.3	1183.7	1236.4	1171.5
67.5°	387.5	388.5	495.0	689.7	785.1	1194.9	1200.9	1219.2	1238.5	1287.2	1253.7
70°	199.8	210.0	260.7	440.2	643.1	1217.2	1408.9	1382.5	1353.1	1397.7	1360.2
72.5°	132.9	144.0	171.4	237.3	403.7	1097.5	1635.1	1708.1	1578.3	1479.9	1266.9
75°	75.1	81.1	114.6	187.6	249.5	709.0	1609.7	1870.4	1720.3	1329.8	1018.4
77.5°	33.5	35.5	51.7	147.1	214.0	345.9	1266.9	1563.1	1503.2	1108.6	734.4
80°	18.3	18.3	24.3	68.0	181.6	260.7	840.9	1088.4	1022.4	668.4	333.7
82.5°	10.1	11.2	14.2	32.5	110.6	238.4	531.5	682.6	539.6	183.6	134.9
85°	4.1	4.1	6.1	17.2	40.6	201.8	291.1	324.6	218.1	93.3	104.5
87.5°	2.0	2.0	2.0	6.1	13.2	51.7	95.3	102.4	80.1	74.0	90.3
90°	3.0	3.0	2.0	2.0	9.1	54.8	80.1	84.2	65.9	74.0	91.3
92.5°	4.1	3.0	2.0	2.0	7.1	54.8	91.3	90.3	65.9	74.0	94.3
95°	5.1	4.1	2.0	2.0	7.1	48.7	109.5	98.4	71.0	75.1	99.4
97.5°	5.1	5.1	2.0	2.0	7.1	37.5	115.6	99.4	61.9	48.7	68.0
100°	6.1	6.1	2.0	2.0	8.1	22.3	80.1	74.0	43.6	16.2	19.3
102.5°	7.1	7.1	2.0	2.0	5.1	11.2	38.5	37.5	24.3	4.1	7.1
105°	7.1	8.1	2.0	2.0	2.0	5.1	14.2	17.2	12.2	4.1	7.1
107.5°	8.1	9.1	2.0	2.0	2.0	3.0	6.1	6.1	4.1	4.1	7.1
110°	8.1	8.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	7.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	6.1	6.1	1.0	2.0	2.0	2.0	1.0	2.0	2.0	3.0	6.1
115°	3.0	2.0	1.0	2.0	1.0	2.0	1.0	2.0	3.0	3.0	7.1
117.5°	1.0	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	5.1	9.1
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.1	11.2
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	7.1	13.2
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.1	12.2
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.1	10.1
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.1	9.1
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	7.1
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	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°	4.1	4.1	4.1	3.0	2.0	1.0	3.0	2.0	1.0	1.0	1.0
152.5°	3.0	3.0	5.1	2.0	1.0	1.0	1.0	3.0	3.0	1.0	1.0
155°	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.1
157.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	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°	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2	580.2
2.5°	576.1	570.0	553.8	538.6	520.3	509.2	470.6	427.0	417.9	415.9	408.8
5°	561.9	548.7	517.3	450.4	383.4	353.0	338.8	327.6	312.4	309.4	305.3
7.5°	476.7	454.4	405.7	323.6	313.4	285.0	261.7	242.4	200.8	189.7	183.6
10°	396.6	377.3	276.9	235.3	214.0	192.7	167.4	148.1	130.8	122.7	119.7
12.5°	320.5	301.3	206.9	186.6	132.9	109.5	95.3	79.1	65.9	58.8	58.8
15°	355.0	323.6	214.0	132.9	87.2	64.9	47.7	42.6	49.7	50.7	50.7
17.5°	290.1	258.6	168.4	103.5	63.9	35.5	38.5	43.6	47.7	41.6	42.6
20°	333.7	290.1	169.4	78.1	40.6	34.5	35.5	32.5	43.6	44.6	44.6
22.5°	252.6	228.2	127.8	61.9	31.4	32.5	30.4	36.5	40.6	35.5	34.5
25°	326.6	268.8	129.8	39.6	31.4	26.4	31.4	28.4	37.5	38.5	38.5
27.5°	374.3	301.3	113.6	34.5	26.4	28.4	25.4	29.4	28.4	28.4	28.4
30°	425.0	328.6	110.6	33.5	25.4	23.3	24.3	23.3	27.4	28.4	28.4
32.5°	425.0	314.4	84.2	33.5	24.3	22.3	19.3	21.3	22.3	24.3	25.4
35°	428.0	302.3	61.9	30.4	22.3	19.3	17.2	17.2	19.3	20.3	20.3
37.5°	437.2	294.1	47.7	28.4	20.3	17.2	14.2	15.2	26.4	29.4	29.4
40°	462.5	294.1	40.6	26.4	18.3	15.2	12.2	19.3	22.3	26.4	26.4
42.5°	502.1	298.2	38.5	25.4	16.2	13.2	10.1	15.2	27.4	31.4	32.5
45°	543.7	306.3	36.5	24.3	15.2	11.2	12.2	18.3	21.3	28.4	28.4
47.5°	601.5	323.6	35.5	23.3	14.2	9.1	11.2	18.3	23.3	30.4	30.4
50°	664.4	341.8	33.5	22.3	12.2	8.1	17.2	15.2	19.3	31.4	31.4
52.5°	729.3	363.1	32.5	21.3	11.2	11.2	19.3	18.3	23.3	30.4	31.4
55°	786.1	380.4	30.4	21.3	10.1	10.1	20.3	18.3	21.3	28.4	29.4
57.5°	813.5	383.4	29.4	20.3	9.1	10.1	19.3	22.3	19.3	23.3	25.4
60°	848.0	391.5	26.4	18.3	8.1	13.2	22.3	29.4	26.4	30.4	32.5
62.5°	880.4	397.6	23.3	16.2	7.1	14.2	29.4	35.5	28.4	35.5	39.6
65°	940.3	410.8	19.3	13.2	6.1	16.2	33.5	42.6	31.4	41.6	41.6
67.5°	1023.4	432.1	15.2	11.2	6.1	18.3	34.5	48.7	37.5	45.6	44.6
70°	1055.9	397.6	13.2	10.1	6.1	21.3	37.5	52.7	39.6	50.7	50.7
72.5°	921.0	287.0	11.2	10.1	10.1	24.3	46.7	57.8	43.6	63.9	62.9
75°	711.0	180.5	11.2	10.1	12.2	30.4	52.7	61.9	46.7	71.0	70.0
77.5°	473.7	85.2	11.2	11.2	14.2	33.5	56.8	65.9	51.7	79.1	78.1
80°	185.6	46.7	12.2	12.2	17.2	35.5	60.9	68.0	53.8	85.2	84.2
82.5°	89.3	32.5	12.2	12.2	23.3	39.6	64.9	71.0	55.8	86.2	85.2
85°	76.1	30.4	11.2	13.2	28.4	49.7	69.0	70.0	56.8	82.2	82.2
87.5°	68.0	29.4	11.2	13.2	38.5	57.8	72.0	69.0	60.9	80.1	80.1
90°	70.0	31.4	12.2	15.2	43.6	58.8	73.0	69.0	58.8	74.0	74.0
92.5°	75.1	33.5	13.2	16.2	43.6	54.8	68.0	61.9	54.8	62.9	61.9
95°	79.1	35.5	14.2	18.3	38.5	42.6	56.8	49.7	45.6	48.7	48.7
97.5°	60.9	27.4	16.2	20.3	29.4	25.4	35.5	32.5	24.3	20.3	20.3
100°	16.2	9.1	17.2	20.3	20.3	17.2	26.4	24.3	16.2	7.1	7.1
102.5°	6.1	6.1	16.2	19.3	16.2	13.2	19.3	18.3	13.2	2.0	2.0
105°	6.1	5.1	10.1	15.2	10.1	7.1	10.1	12.2	8.1	2.0	2.0
107.5°	6.1	5.1	6.1	9.1	4.1	3.0	4.1	4.1	4.1	1.0	2.0
110°	6.1	5.1	3.0	4.1	3.0	3.0	3.0	2.0	2.0	4.1	4.1



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 CATALOG NUMBER: SDL-PA1-30-722-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.1	5.1	3.0	4.1	3.0	3.0	2.0	2.0	3.0	6.1	6.1
115°	6.1	5.1	3.0	3.0	2.0	3.0	2.0	1.0	3.0	7.1	8.1
117.5°	8.1	5.1	2.0	2.0	2.0	2.0	2.0	1.0	3.0	9.1	10.1
120°	10.1	6.1	2.0	2.0	2.0	1.0	2.0	1.0	4.1	9.1	10.1
122.5°	11.2	7.1	2.0	2.0	2.0	1.0	1.0	2.0	4.1	9.1	9.1
125°	11.2	7.1	2.0	2.0	1.0	1.0	1.0	1.0	4.1	9.1	10.1
127.5°	9.1	6.1	2.0	2.0	1.0	1.0	1.0	1.0	4.1	8.1	9.1
130°	8.1	6.1	2.0	2.0	1.0	1.0	1.0	1.0	4.1	7.1	8.1
132.5°	6.1	5.1	2.0	1.0	1.0	1.0	1.0	1.0	4.1	6.1	7.1
135°	5.1	3.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	6.1	6.1
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	3.0
140°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
142.5°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
145°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
147.5°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
150°	1.0	2.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	2.0
152.5°	1.0	2.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	4.1	3.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
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	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

(END OF REPORT)