

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: P560112

Luminaire Tested: **SDL-PA1-20-830-U-SL3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-SL3-A
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037.5 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
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

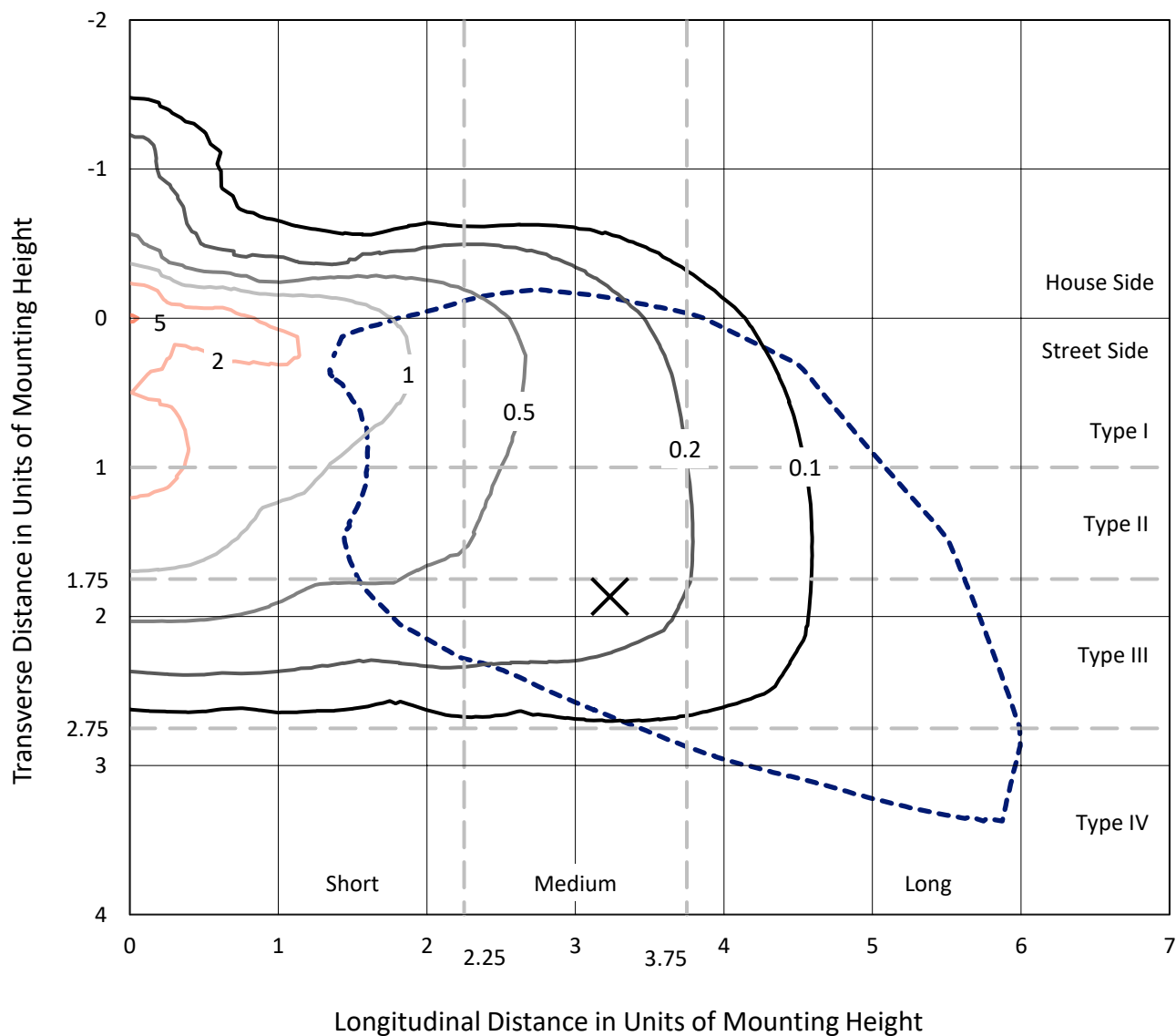


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

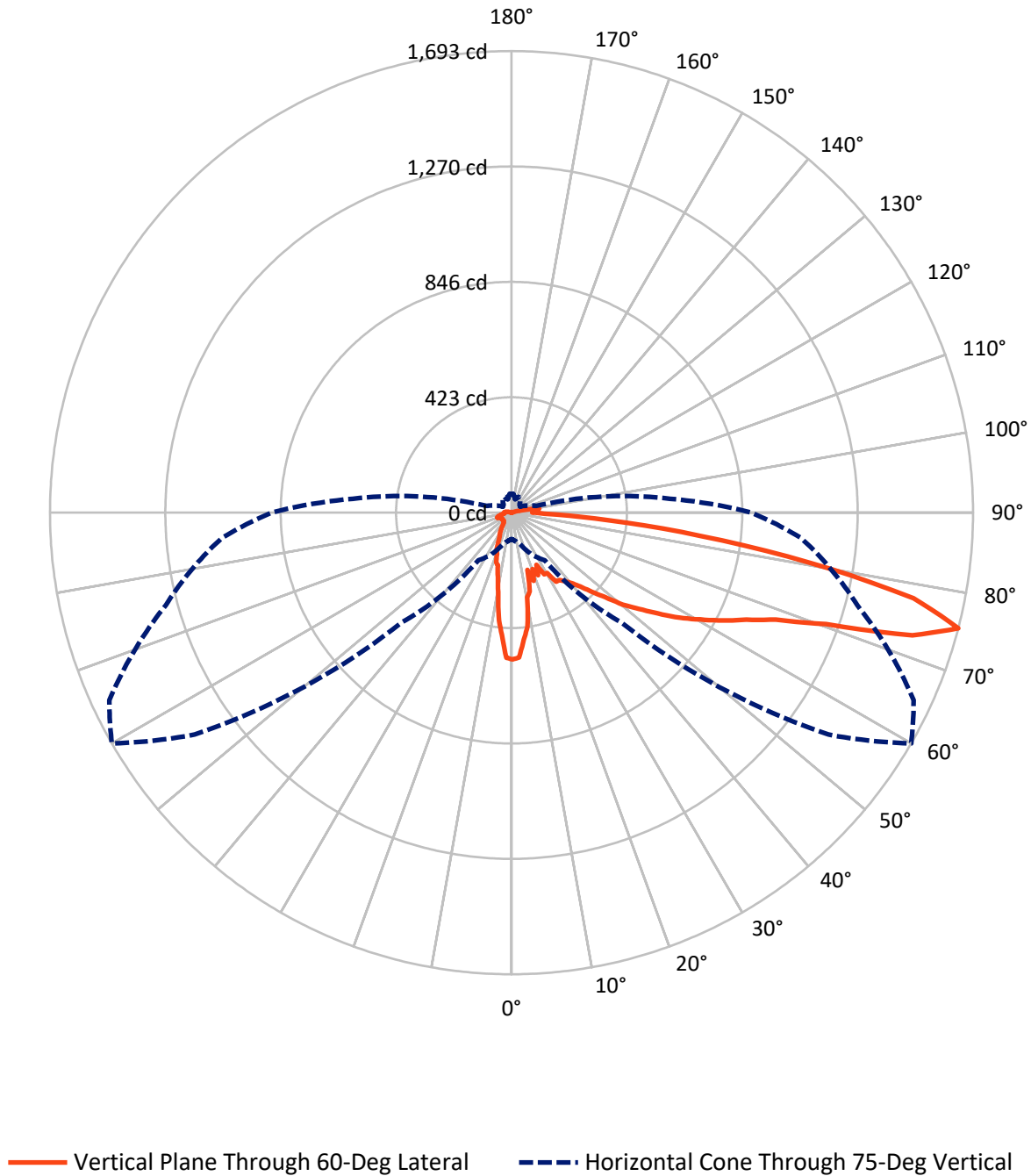


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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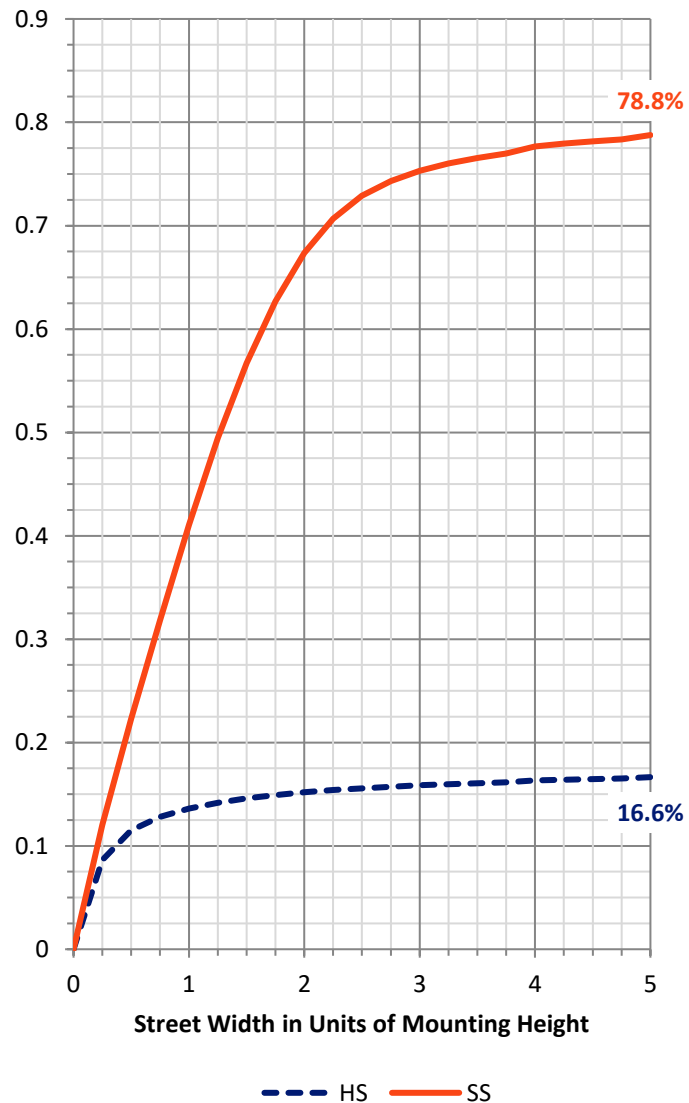
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.7	27.1	384.8
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	1624.0	28.7	1652.7
	% Fixture	79.7	1.4	81.1
Total	Lumens	1981.7	55.9	2037.5
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	1.9
10°-20°	70.5	3.5
20°-30°	91.3	4.5
30°-40°	152.2	7.5
40°-50°	243.7	12.0
50°-60°	374.1	18.4
60°-70°	467.4	22.9
70°-80°	426.3	20.9
80°-90°	116.7	5.7
90°-100°	39.2	1.9
100°-110°	8.9	0.4
110°-120°	2.8	0.1
120°-130°	2.6	0.1
130°-140°	1.3	0.1
140°-150°	0.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1981.7	97.3
0°-180°	2037.5	100.0

Coefficient of Utilization



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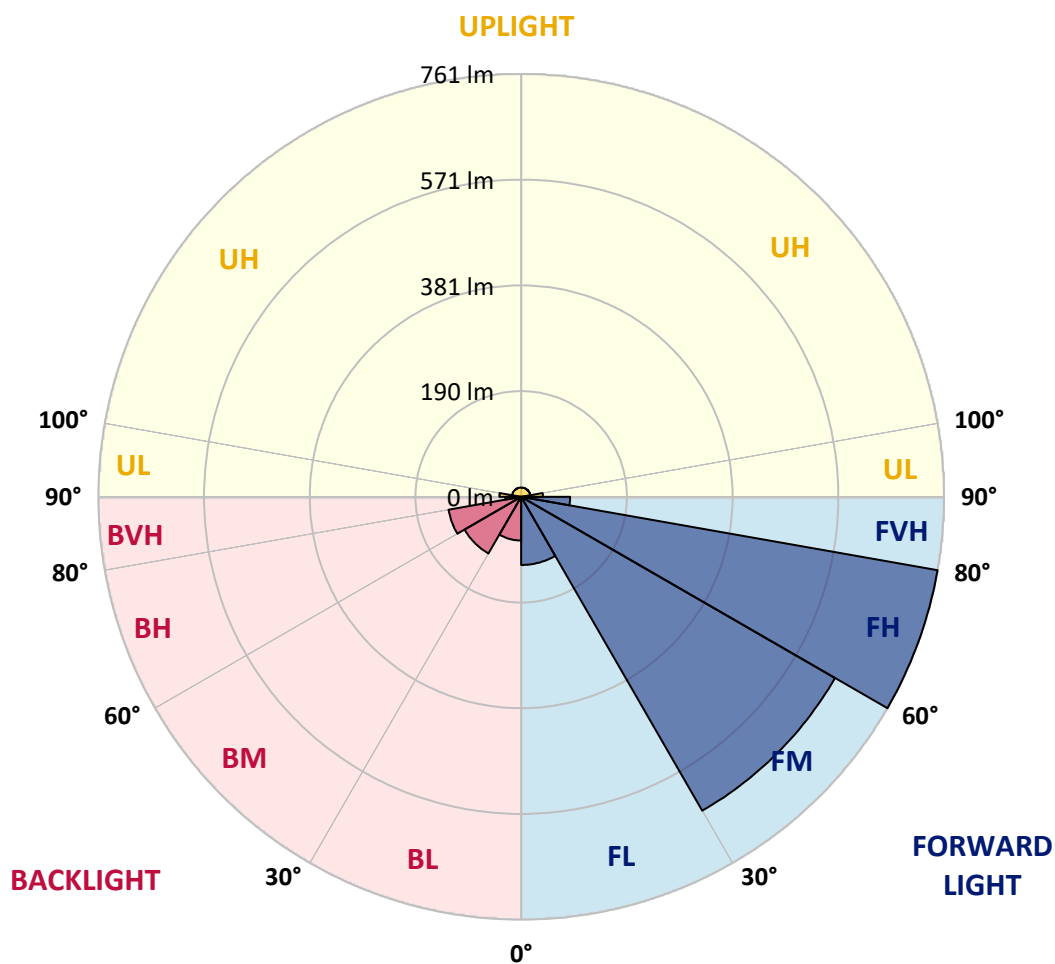
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.7	6.0			
FM	(30°-60°)	652.2	32.0			
FH	(60°-80°)	761.0	37.3			G1/1800
FVH	(80°-90°)	88.0	4.3			G1/100
BL	(0°-30°)	78.6	3.9	B0/110		
BM	(30°-60°)	117.7	5.8	B0/220		
BH	(60°-80°)	132.7	6.5	B1/500		G1/500
BVH	(80°-90°)	28.6	1.4			G1/100
UL	(90°-100°)	39.2	1.9		U2/50	
UH	(100°-180°)	16.7	0.8		U2/50	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1
2.5°	451.4	493.6	489.6	522.2	522.2	529.3	532.5	531.7	534.9	538.1	537.3
5°	415.7	416.5	419.6	426.8	429.2	431.6	439.5	467.3	514.2	525.3	525.3
7.5°	343.3	362.4	386.3	390.2	404.5	411.7	420.4	422.0	390.2	447.5	453.0
10°	348.1	348.9	347.3	356.1	345.7	341.8	313.9	315.5	318.7	340.2	383.1
12.5°	272.6	288.5	322.7	338.6	313.1	285.3	283.7	297.2	302.8	271.0	337.8
15°	311.6	313.1	313.9	314.7	233.7	271.0	236.8	217.8	244.0	307.6	349.7
17.5°	244.0	245.6	282.9	282.1	257.5	208.2	257.5	263.1	252.7	261.5	292.5
20°	286.1	286.9	284.5	220.9	225.7	255.1	221.7	220.9	233.7	301.2	340.2
22.5°	235.3	232.1	231.3	252.7	229.7	245.6	215.4	249.6	271.0	268.6	256.7
25°	294.9	294.1	282.1	220.2	235.3	208.2	251.9	211.4	234.5	325.1	340.2
27.5°	275.8	264.7	244.8	254.3	219.4	244.0	224.1	255.9	270.2	333.8	394.2
30°	356.9	348.9	325.9	256.7	242.4	224.9	240.0	256.7	307.6	430.0	450.6
32.5°	471.3	462.6	379.9	314.7	254.3	266.3	252.7	301.2	339.4	438.7	454.6
35°	506.3	494.4	453.8	381.5	291.7	282.9	269.4	303.6	344.1	461.8	461.8
37.5°	526.1	525.3	506.3	421.2	329.0	324.3	290.1	318.7	363.2	484.0	479.3
40°	529.3	533.3	542.0	456.2	373.5	363.2	317.1	339.4	390.2	511.0	501.5
42.5°	555.5	562.7	582.6	502.3	418.1	408.5	348.9	369.6	419.6	550.8	548.4
45°	597.7	604.8	622.3	553.2	457.0	450.6	400.6	413.3	467.3	620.7	598.5
47.5°	685.1	686.7	679.5	595.3	499.1	499.1	450.6	462.6	510.2	685.1	663.6
50°	772.5	763.0	731.2	645.4	541.2	553.2	502.3	530.1	558.7	750.3	720.9
52.5°	821.0	819.4	776.5	683.5	577.8	600.9	561.9	585.8	603.2	816.2	774.9
55°	822.6	820.2	790.8	701.8	612.0	650.1	621.5	652.5	665.2	867.9	848.8
57.5°	796.4	802.7	787.6	712.1	628.7	697.8	693.8	727.2	733.6	929.1	899.7
60°	755.0	754.2	772.5	721.7	654.1	743.1	760.6	794.8	829.0	976.0	945.0
62.5°	651.7	658.9	710.5	721.7	681.9	801.9	835.3	871.1	913.2	1018.9	985.5
65°	510.2	514.2	595.3	669.2	689.9	880.6	910.8	946.6	991.1	1062.6	1030.8
67.5°	308.4	334.6	404.5	550.8	649.3	975.2	1030.8	1045.9	1071.4	1111.9	1097.6
70°	175.6	183.6	217.0	346.5	542.0	1005.4	1251.8	1224.8	1198.5	1208.1	1181.0
72.5°	133.5	138.3	153.4	205.1	324.3	887.8	1437.8	1537.9	1425.0	1308.2	1178.7
75°	97.0	101.7	116.8	165.3	213.0	569.1	1418.7	1692.9	1627.7	1313.0	1065.8
77.5°	60.4	61.2	69.9	140.7	191.5	285.3	1110.3	1507.7	1536.3	1226.3	883.8
80°	42.1	42.9	44.5	75.5	176.4	228.9	745.5	1107.1	1147.7	853.6	450.6
82.5°	30.2	31.8	33.4	44.5	114.4	218.6	464.2	697.0	614.4	309.2	182.8
85°	15.9	17.5	21.5	27.0	46.1	237.6	278.2	354.5	280.6	125.6	108.9
87.5°	6.4	5.6	4.8	7.2	12.7	91.4	108.1	119.2	92.2	70.7	86.6
90°	5.6	4.8	3.2	4.0	5.6	32.6	68.4	76.3	63.6	69.1	87.4
92.5°	5.6	4.8	3.2	3.2	5.6	32.6	81.9	83.5	66.0	70.7	91.4
95°	5.6	5.6	3.2	3.2	5.6	29.4	97.0	95.4	68.4	74.7	97.0
97.5°	5.6	5.6	2.4	3.2	5.6	19.9	100.1	103.3	66.8	53.3	80.3
100°	5.6	5.6	2.4	2.4	4.8	12.7	69.9	75.5	49.3	17.5	19.9
102.5°	5.6	5.6	2.4	2.4	3.2	8.7	31.0	37.4	29.4	5.6	6.4
105°	5.6	6.4	1.6	1.6	2.4	4.8	13.5	15.1	11.9	4.0	7.2
107.5°	6.4	7.2	1.6	1.6	1.6	2.4	4.8	5.6	3.2	3.2	7.2
110°	7.2	7.2	1.6	1.6	1.6	2.4	1.6	1.6	2.4	3.2	7.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	5.6	4.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	3.2	7.9
115°	3.2	2.4	0.8	1.6	1.6	1.6	0.8	1.6	2.4	3.2	7.2
117.5°	3.2	2.4	0.8	0.8	0.8	1.6	0.8	0.8	2.4	4.0	8.7
120°	2.4	2.4	0.8	0.8	0.8	0.8	0.8	1.6	1.6	5.6	11.9
122.5°	2.4	2.4	0.8	0.8	0.8	0.8	0.8	1.6	1.6	5.6	11.9
125°	3.2	3.2	1.6	0.8	0.8	0.8	0.8	1.6	1.6	4.8	11.1
127.5°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	1.6	1.6	4.0	8.7
130°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	1.6	0.8	4.0	7.2
132.5°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8	2.4	5.6
135°	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8	1.6	4.0
137.5°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
140°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
145°	0.8	0.8	0.8	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
150°	1.6	1.6	3.2	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	3.2	3.2	3.2	2.4	0.8	0.8	1.6	2.4	0.8	0.8	0.8
155°	2.4	2.4	2.4	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4
157.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1	538.1
2.5°	534.9	536.5	534.9	533.3	531.7	526.9	494.4	454.6	451.4	454.6	453.0
5°	521.4	521.4	520.6	465.7	433.2	423.6	421.2	418.8	414.1	411.7	413.3
7.5°	449.8	447.5	419.6	370.4	401.4	390.2	383.9	380.7	333.0	315.5	317.1
10°	375.9	375.9	312.3	294.9	293.3	298.0	330.6	328.2	321.9	317.9	321.9
12.5°	324.3	337.8	248.0	265.5	215.4	238.4	260.7	276.6	228.1	214.6	217.0
15°	344.1	339.4	272.6	208.2	190.0	200.3	160.5	201.1	197.9	191.5	190.7
17.5°	300.4	275.8	227.3	195.5	187.6	141.5	137.5	142.3	130.3	119.2	124.8
20°	326.7	313.1	240.8	174.1	144.6	128.8	97.0	90.6	115.2	120.8	120.0
22.5°	272.6	227.3	197.1	173.3	116.8	92.2	73.1	80.3	85.8	91.4	93.8
25°	320.3	295.7	215.4	129.5	94.6	67.6	66.0	59.6	89.8	102.5	101.7
27.5°	369.6	334.6	207.4	121.6	68.4	58.0	53.3	60.4	62.8	70.7	75.5
30°	413.3	371.2	240.0	112.9	57.2	43.7	47.7	49.3	61.2	66.0	66.0
32.5°	411.7	360.8	214.6	96.2	46.9	39.7	39.7	46.9	54.0	65.2	66.0
35°	410.9	352.9	191.5	74.7	41.3	35.0	36.6	44.5	54.0	60.4	61.2
37.5°	420.4	350.5	168.5	60.4	37.4	33.4	35.0	42.1	58.0	64.4	64.4
40°	434.7	352.1	145.4	51.7	35.8	32.6	33.4	44.5	52.5	58.0	58.0
42.5°	478.5	375.1	125.6	47.7	35.8	31.8	31.8	41.3	53.3	62.8	63.6
45°	511.0	393.4	110.5	47.7	35.0	30.2	33.4	41.3	46.9	69.1	73.9
47.5°	563.5	426.8	96.2	47.7	35.0	29.4	31.0	40.5	49.3	79.5	82.7
50°	616.0	460.2	89.8	47.7	35.0	28.6	35.0	38.9	49.3	82.7	85.0
52.5°	671.6	501.5	85.8	47.7	35.0	30.2	38.1	46.9	53.3	73.9	73.1
55°	728.8	538.1	83.5	49.3	35.0	30.2	41.3	43.7	45.3	57.2	58.8
57.5°	782.1	582.6	88.2	49.3	34.2	31.8	38.9	42.9	39.7	50.1	50.9
60°	824.2	623.1	100.1	47.7	33.4	31.8	39.7	46.9	44.5	54.8	56.4
62.5°	872.7	666.0	128.0	48.5	33.4	32.6	44.5	50.9	45.3	54.0	57.2
65°	936.2	731.2	159.0	53.3	34.2	34.2	45.3	54.8	45.3	53.3	53.3
67.5°	1007.8	791.6	159.0	62.0	36.6	36.6	45.3	58.0	48.5	53.3	53.3
70°	1060.2	794.8	131.1	68.4	39.7	38.9	46.9	60.4	49.3	58.8	58.0
72.5°	1002.2	708.1	108.9	67.6	42.9	40.5	53.3	62.0	50.1	66.8	66.0
75°	879.8	584.2	94.6	60.4	38.9	41.3	55.6	63.6	50.9	69.9	68.4
77.5°	693.8	426.0	80.3	50.9	34.2	39.7	57.2	65.2	52.5	73.9	73.1
80°	336.2	213.8	65.2	42.9	31.0	38.1	57.2	64.4	51.7	76.3	76.3
82.5°	151.8	106.5	44.5	29.4	31.0	38.9	58.8	65.2	51.7	74.7	73.9
85°	98.6	73.1	28.6	23.0	31.0	44.5	59.6	62.0	49.3	69.1	69.1
87.5°	73.9	50.9	15.1	14.3	34.2	48.5	59.6	57.2	47.7	65.2	63.6
90°	75.5	54.0	15.9	14.3	36.6	49.3	59.6	56.4	46.1	58.8	58.8
92.5°	81.9	59.6	18.3	15.9	37.4	44.5	56.4	50.9	42.9	50.9	50.1
95°	89.0	66.8	21.5	18.3	32.6	32.6	44.5	41.3	36.6	38.9	38.9
97.5°	65.2	47.7	19.1	19.9	24.6	20.7	29.4	27.8	19.1	17.5	16.7
100°	19.1	15.9	17.5	19.1	17.5	15.1	22.3	21.5	12.7	6.4	6.4
102.5°	7.2	7.9	15.9	17.5	13.5	11.1	15.9	17.5	10.3	1.6	2.4
105°	6.4	5.6	11.1	13.5	7.9	6.4	7.9	11.1	6.4	1.6	1.6
107.5°	7.2	5.6	5.6	7.2	3.2	3.2	3.2	4.0	2.4	1.6	1.6
110°	7.2	5.6	3.2	3.2	2.4	2.4	2.4	1.6	1.6	1.6	1.6



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CATALOG NUMBER: SDL-PA1-20-830-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.2	5.6	3.2	3.2	2.4	2.4	1.6	1.6	2.4	4.0	4.0
115°	7.9	6.4	3.2	2.4	1.6	2.4	1.6	0.8	2.4	5.6	5.6
117.5°	9.5	7.2	2.4	2.4	1.6	1.6	1.6	0.8	2.4	7.2	7.9
120°	11.9	8.7	3.2	1.6	1.6	1.6	1.6	0.8	3.2	7.9	8.7
122.5°	11.9	9.5	3.2	1.6	1.6	0.8	0.8	1.6	3.2	7.9	8.7
125°	11.1	8.7	3.2	1.6	1.6	0.8	0.8	0.8	4.0	7.9	8.7
127.5°	8.7	7.9	3.2	1.6	0.8	0.8	0.8	1.6	3.2	7.2	7.2
130°	7.2	6.4	2.4	1.6	0.8	0.8	0.8	0.8	3.2	5.6	6.4
132.5°	5.6	4.8	2.4	1.6	0.8	0.8	0.8	0.8	3.2	5.6	5.6
135°	4.0	4.0	1.6	0.8	0.8	0.8	0.8	0.8	2.4	4.0	4.8
137.5°	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	1.6	2.4	2.4
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	1.6	1.6
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.6
145°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
147.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.8	0.8	1.6	1.6
155°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.8	0.8	1.6
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8
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)