

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: P560296

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
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-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2871.5 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
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



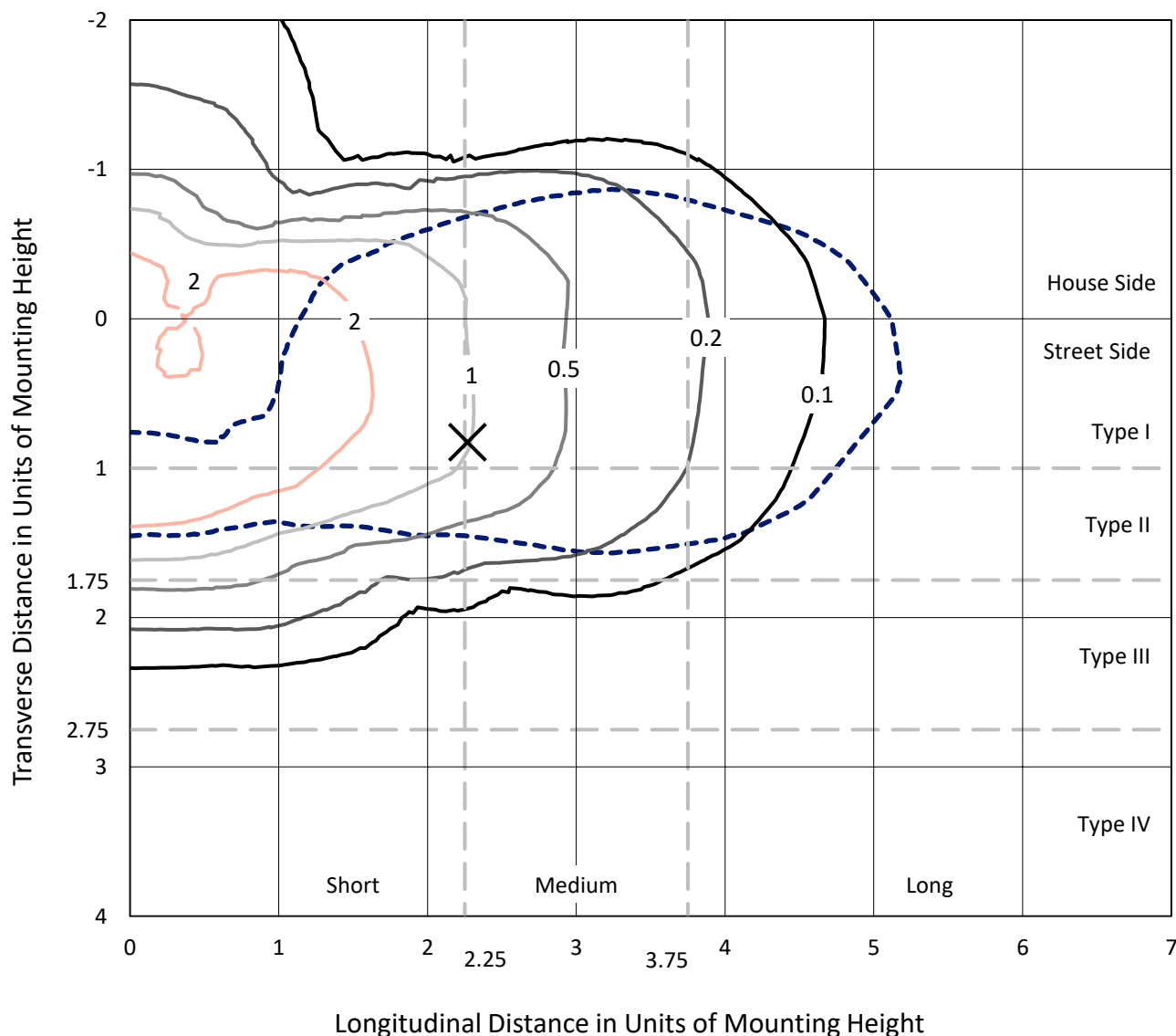
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

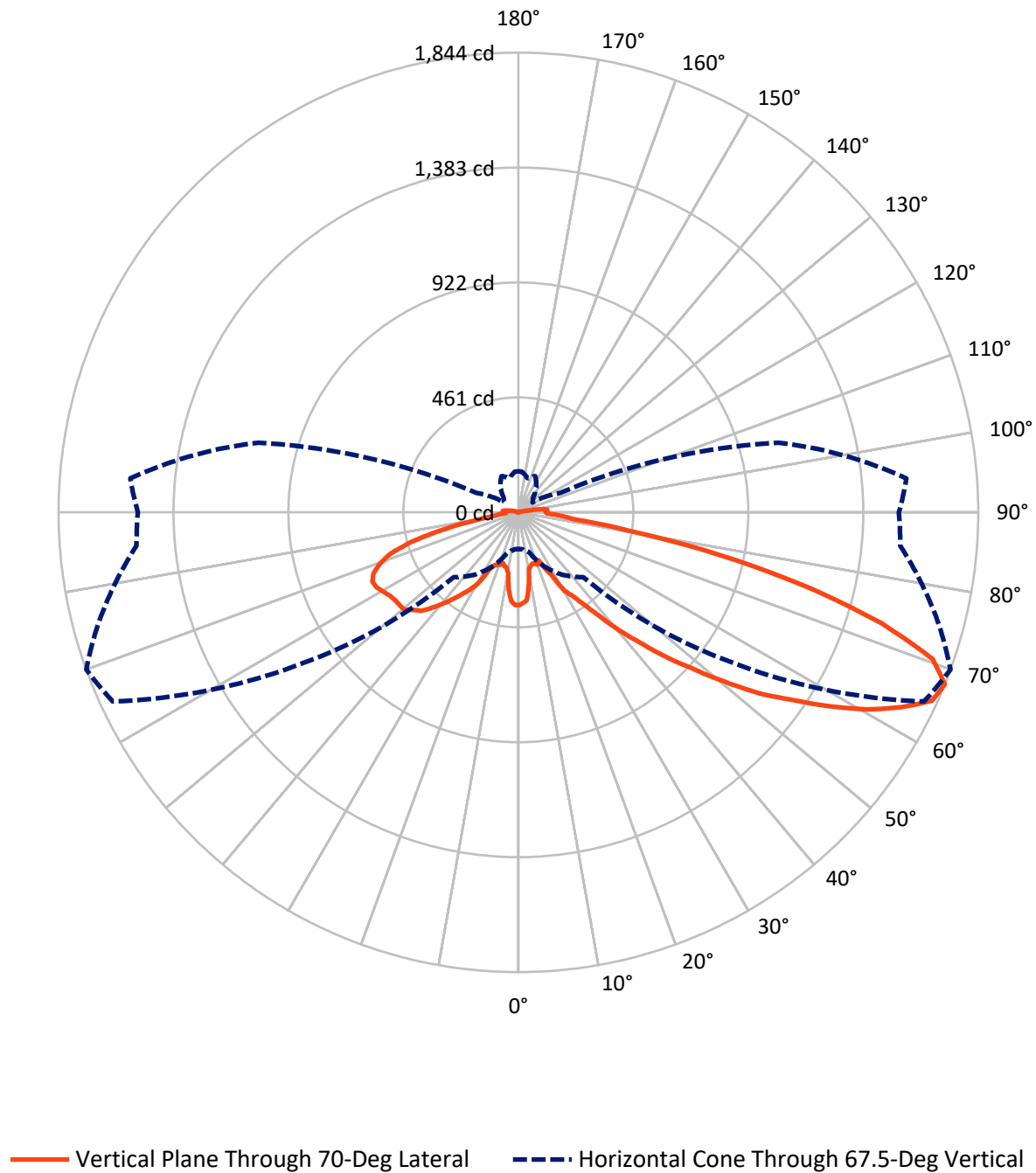


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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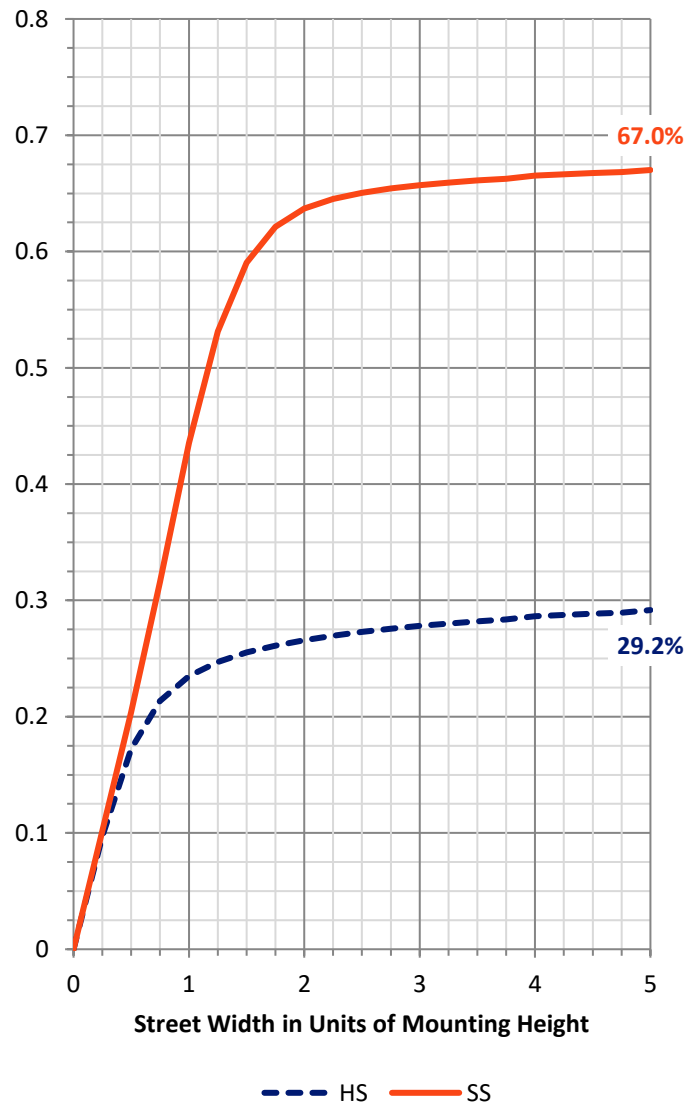
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	863.6	33.9	897.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	1941.1	32.8	1973.9
	% Fixture	67.6	1.1	68.7
Total	Lumens	2804.8	66.7	2871.5
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	1.0
10°-20°	68.9	2.4
20°-30°	122.2	4.3
30°-40°	257.5	9.0
40°-50°	481.4	16.8
50°-60°	666.7	23.2
60°-70°	642.9	22.4
70°-80°	422.7	14.7
80°-90°	112.6	3.9
90°-100°	46.2	1.6
100°-110°	10.1	0.4
110°-120°	4.4	0.2
120°-130°	3.2	0.1
130°-140°	1.4	0.0
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°	2804.8	97.7
0°-180°	2871.5	100.0

Coefficient of Utilization



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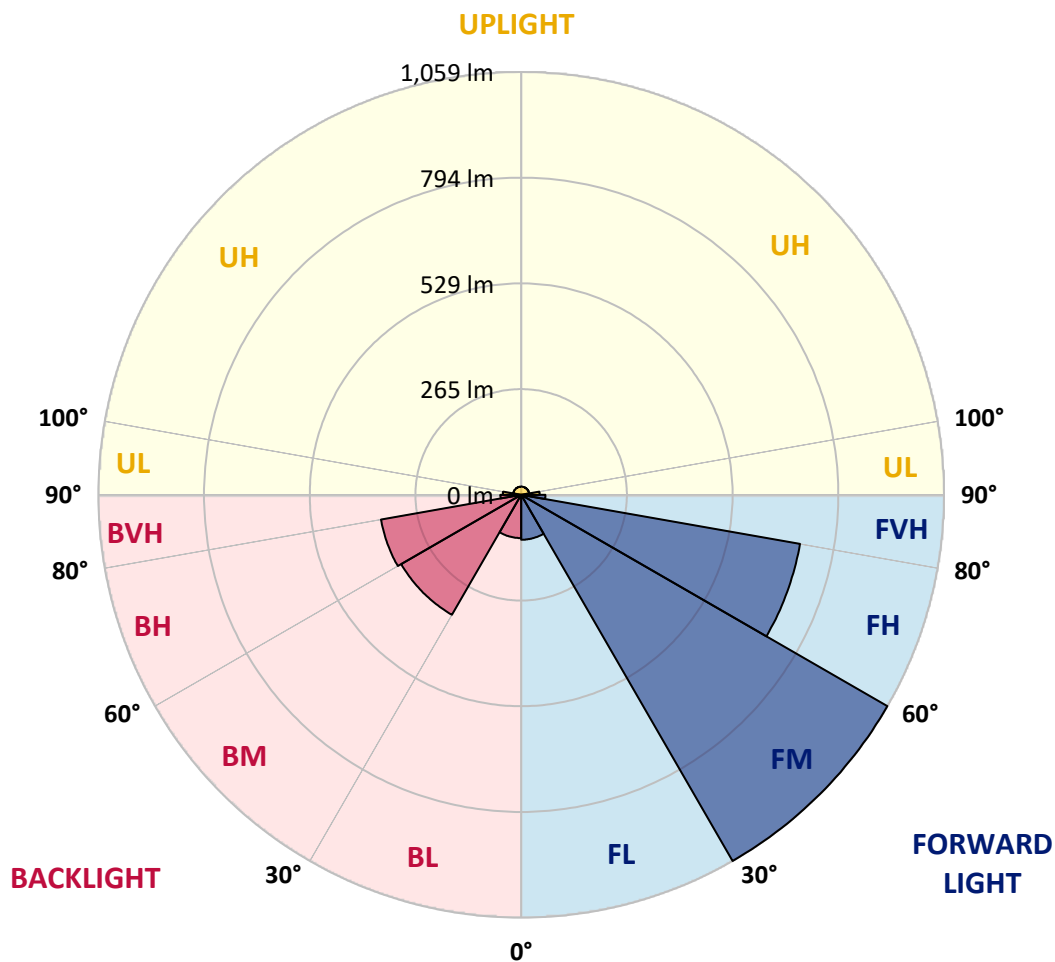
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.5	3.9			
FM	(30°-60°)	1058.9	36.9			
FH	(60°-80°)	709.1	24.7			G1/1800
FVH	(80°-90°)	60.6	2.1			G1/100
BL	(0°-30°)	108.3	3.8	B0/110		
BM	(30°-60°)	346.7	12.1	B1/1000		
BH	(60°-80°)	356.5	12.4	B1/500		G1/500
BVH	(80°-90°)	52.0	1.8			G1/100
UL	(90°-100°)	46.2	1.6		U2/50	
UH	(100°-180°)	20.5	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6
2.5°	310.2	335.4	327.8	351.9	357.4	362.8	363.9	365.0	363.9	365.0	367.2
5°	292.7	293.8	294.9	297.1	297.1	299.3	303.6	349.7	354.1	357.4	361.7
7.5°	244.4	255.4	276.2	283.9	287.2	291.6	293.8	293.8	298.2	309.1	316.8
10°	271.9	269.7	270.8	271.9	256.5	253.2	230.2	226.9	230.2	237.9	274.0
12.5°	228.0	239.0	262.0	267.5	248.8	220.3	217.0	221.4	220.3	198.4	232.4
15°	264.2	263.1	260.9	256.5	208.3	218.1	187.4	189.6	212.7	228.0	259.8
17.5°	230.2	229.1	259.8	251.0	219.2	169.9	213.8	198.4	217.0	200.6	214.9
20°	286.1	285.0	281.7	209.4	223.6	225.8	207.2	191.8	223.6	231.3	260.9
22.5°	259.8	259.8	280.6	275.1	226.9	239.0	197.3	233.5	209.4	212.7	197.3
25°	357.4	354.1	349.7	255.4	272.9	219.2	244.4	214.9	249.9	270.8	283.9
27.5°	346.4	339.8	335.4	338.7	274.0	287.2	242.3	267.5	288.3	297.1	331.0
30°	486.7	477.9	464.8	355.2	340.9	293.8	292.7	331.0	365.0	392.4	411.1
32.5°	620.4	622.6	554.7	476.8	377.1	392.4	348.6	388.0	399.0	427.5	438.5
35°	795.8	773.9	731.2	595.2	459.3	444.0	405.6	442.9	453.8	481.2	487.8
37.5°	933.9	935.0	869.3	715.8	550.3	537.1	470.3	508.6	528.4	559.1	548.1
40°	1066.6	1072.1	1019.5	839.7	665.4	629.2	548.1	593.0	620.4	639.1	620.4
42.5°	1185.0	1183.9	1147.7	976.7	772.8	752.0	630.3	688.4	712.5	730.1	715.8
45°	1278.1	1274.9	1242.0	1088.5	900.0	928.5	737.7	798.0	823.2	843.0	807.9
47.5°	1309.9	1292.4	1278.1	1169.6	1018.4	1084.1	870.4	904.4	933.9	967.9	910.9
50°	1276.0	1252.9	1258.4	1208.0	1118.1	1214.6	1012.9	1027.1	1063.3	1092.9	1008.5
52.5°	1134.5	1129.1	1159.8	1169.6	1160.9	1314.3	1172.9	1132.4	1203.6	1206.9	1109.3
55°	948.2	941.6	1014.0	1054.5	1120.3	1353.8	1308.8	1280.3	1326.4	1320.9	1199.2
57.5°	764.0	759.7	825.4	892.3	1006.3	1331.9	1404.2	1442.6	1465.6	1434.9	1282.5
60°	511.9	520.7	633.6	723.5	823.2	1200.3	1440.4	1593.8	1604.8	1539.0	1370.2
62.5°	326.7	338.7	411.1	558.0	615.0	974.5	1414.1	1728.7	1722.1	1633.3	1451.3
65°	209.4	213.8	248.8	378.2	440.7	645.7	1296.8	1820.8	1821.9	1717.7	1516.0
67.5°	146.9	148.0	164.4	235.7	304.7	367.2	1054.5	1794.5	1843.8	1746.2	1536.8
70°	131.5	132.6	137.0	160.0	231.3	228.0	639.1	1603.7	1762.7	1708.9	1505.1
72.5°	117.3	118.4	126.1	139.2	177.6	178.7	305.8	1277.1	1523.7	1576.3	1410.8
75°	97.6	99.8	108.5	130.4	137.0	150.2	205.0	897.8	1199.2	1358.2	1299.0
77.5°	82.2	83.3	89.9	110.7	119.5	121.7	175.4	497.7	828.7	999.7	1144.4
80°	65.8	65.8	71.3	87.7	98.7	99.8	156.8	263.1	459.3	605.1	795.8
82.5°	42.8	43.8	50.4	65.8	73.4	98.7	139.2	191.8	224.7	291.6	361.7
85°	27.4	27.4	31.8	37.3	43.8	75.6	122.8	158.9	167.7	183.1	164.4
87.5°	13.2	13.2	12.1	14.3	16.4	28.5	85.5	112.9	114.0	111.8	120.6
90°	11.0	11.0	8.8	9.9	11.0	15.3	64.7	110.7	109.6	114.0	125.0
92.5°	12.1	12.1	8.8	9.9	11.0	13.2	47.1	111.8	115.1	120.6	132.6
95°	13.2	13.2	8.8	8.8	9.9	12.1	29.6	96.5	116.2	121.7	137.0
97.5°	12.1	12.1	6.6	7.7	8.8	11.0	18.6	72.3	91.0	95.4	108.5
100°	11.0	11.0	5.5	6.6	7.7	8.8	12.1	37.3	39.5	29.6	41.7
102.5°	9.9	11.0	4.4	5.5	5.5	5.5	7.7	17.5	17.5	9.9	11.0
105°	9.9	11.0	4.4	4.4	3.3	4.4	4.4	6.6	7.7	5.5	8.8
107.5°	11.0	11.0	4.4	4.4	3.3	3.3	3.3	4.4	5.5	4.4	8.8
110°	9.9	9.9	3.3	4.4	2.2	2.2	2.2	3.3	4.4	4.4	9.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	6.6	6.6	3.3	4.4	2.2	2.2	2.2	3.3	4.4	5.5	12.1
115°	5.5	4.4	2.2	3.3	2.2	2.2	2.2	3.3	3.3	4.4	9.9
117.5°	5.5	4.4	2.2	2.2	1.1	2.2	2.2	3.3	3.3	4.4	8.8
120°	5.5	5.5	2.2	1.1	1.1	1.1	1.1	2.2	3.3	5.5	9.9
122.5°	6.6	5.5	2.2	2.2	1.1	1.1	1.1	2.2	3.3	5.5	9.9
125°	6.6	6.6	3.3	2.2	1.1	1.1	1.1	2.2	3.3	4.4	8.8
127.5°	6.6	5.5	3.3	2.2	1.1	1.1	1.1	1.1	2.2	3.3	7.7
130°	5.5	5.5	3.3	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.5
132.5°	4.4	4.4	3.3	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.4
135°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3
137.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
140°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
150°	2.2	2.2	4.4	3.3	2.2	1.1	2.2	1.1	1.1	1.1	1.1
152.5°	3.3	3.3	4.4	3.3	1.1	1.1	1.1	2.2	1.1	1.1	1.1
155°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.3
157.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6	371.6
2.5°	368.3	368.3	371.6	372.7	371.6	370.5	363.9	344.2	332.1	333.2	333.2
5°	362.8	363.9	367.2	347.5	323.4	325.6	328.9	330.0	330.0	332.1	332.1
7.5°	320.1	321.2	312.4	315.7	323.4	328.9	331.0	325.6	308.0	301.5	301.5
10°	277.3	277.3	246.6	247.7	256.5	272.9	324.5	330.0	335.4	336.5	335.4
12.5°	234.6	235.7	210.5	242.3	231.3	260.9	299.3	331.0	305.8	280.6	283.9
15°	262.0	264.2	236.8	208.3	213.8	257.6	223.6	306.9	309.1	309.1	309.1
17.5°	210.5	222.5	209.4	214.9	236.8	194.0	253.2	280.6	257.6	251.0	251.0
20°	262.0	262.0	239.0	207.2	219.2	252.1	224.7	249.9	293.8	293.8	292.7
22.5°	195.1	195.1	209.4	240.1	220.3	248.8	237.9	258.7	233.5	233.5	240.1
25°	281.7	278.4	254.3	212.7	251.0	230.2	239.0	225.8	264.2	267.5	265.3
27.5°	339.8	337.6	272.9	244.4	235.7	245.5	214.9	210.5	202.8	233.5	230.2
30°	402.3	396.8	357.4	294.9	258.7	207.2	194.0	201.7	223.6	224.7	223.6
32.5°	431.9	419.8	376.0	353.0	264.2	213.8	174.3	179.8	222.5	235.7	235.7
35°	472.5	459.3	410.0	384.8	263.1	188.5	154.6	174.3	200.6	201.7	201.7
37.5°	528.4	508.6	467.0	403.4	245.5	166.6	142.5	154.6	173.2	178.7	180.9
40°	593.0	567.8	530.6	415.5	220.3	140.3	127.2	142.5	156.8	152.4	152.4
42.5°	684.0	646.7	593.0	434.1	188.5	123.9	116.2	130.4	140.3	142.5	141.4
45°	769.5	723.5	666.5	440.7	153.5	111.8	108.5	123.9	133.7	130.4	130.4
47.5°	866.0	807.9	721.3	425.3	126.1	105.2	108.5	119.5	123.9	129.3	129.3
50°	961.4	898.9	801.3	401.2	111.8	100.8	108.5	115.1	123.9	127.2	126.1
52.5°	1048.0	993.1	849.5	358.5	104.1	97.6	105.2	115.1	126.1	131.5	131.5
55°	1142.2	1086.3	893.4	320.1	97.6	91.0	108.5	119.5	122.8	126.1	126.1
57.5°	1213.5	1169.6	941.6	286.1	93.2	91.0	110.7	125.0	123.9	127.2	127.2
60°	1300.1	1261.7	985.5	269.7	86.6	86.6	115.1	134.8	126.1	135.9	135.9
62.5°	1392.2	1369.1	1028.2	257.6	80.0	84.4	116.2	142.5	130.4	145.8	146.9
65°	1480.9	1485.3	1067.7	229.1	74.5	84.4	118.4	152.4	134.8	154.6	156.8
67.5°	1525.9	1562.1	1078.6	184.2	69.1	83.3	125.0	160.0	141.4	163.3	164.4
70°	1517.1	1564.3	1053.4	135.9	64.7	87.7	134.8	166.6	144.7	174.3	174.3
72.5°	1440.4	1474.4	978.9	103.0	60.3	84.4	137.0	168.8	146.9	191.8	191.8
75°	1331.9	1296.8	805.7	85.5	57.0	84.4	133.7	166.6	144.7	187.4	186.4
77.5°	1155.4	1038.1	555.8	75.6	53.7	81.1	125.0	162.2	138.1	174.3	176.5
80°	741.0	639.1	283.9	65.8	57.0	77.8	120.6	150.2	128.3	155.7	156.8
82.5°	337.6	283.9	129.3	58.1	55.9	70.2	109.6	133.7	111.8	132.6	131.5
85°	142.5	144.7	101.9	49.3	49.3	54.8	81.1	104.1	86.6	93.2	91.0
87.5°	110.7	106.3	70.2	29.6	31.8	24.1	52.6	74.5	57.0	60.3	59.2
90°	117.3	115.1	74.5	30.7	23.0	14.3	39.5	58.1	42.8	38.4	37.3
92.5°	125.0	123.9	83.3	32.9	23.0	12.1	34.0	47.1	30.7	26.3	25.2
95°	133.7	133.7	91.0	35.1	23.0	12.1	30.7	36.2	23.0	17.5	16.4
97.5°	106.3	108.5	77.8	36.2	21.9	12.1	27.4	29.6	17.5	9.9	9.9
100°	42.8	47.1	42.8	36.2	19.7	9.9	21.9	23.0	12.1	5.5	5.5
102.5°	9.9	12.1	29.6	31.8	15.3	6.6	14.3	14.3	7.7	3.3	3.3
105°	9.9	8.8	19.7	25.2	8.8	4.4	6.6	8.8	4.4	2.2	2.2
107.5°	9.9	9.9	8.8	12.1	4.4	3.3	3.3	3.3	2.2	2.2	2.2
110°	11.0	9.9	4.4	4.4	3.3	3.3	2.2	2.2	1.1	6.6	7.7



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.2	12.1	5.5	4.4	3.3	3.3	2.2	2.2	3.3	11.0	11.0
115°	11.0	9.9	5.5	3.3	3.3	3.3	2.2	1.1	3.3	12.1	12.1
117.5°	9.9	8.8	5.5	3.3	2.2	3.3	2.2	1.1	3.3	12.1	12.1
120°	11.0	9.9	5.5	3.3	2.2	2.2	2.2	1.1	3.3	11.0	11.0
122.5°	11.0	11.0	6.6	2.2	2.2	1.1	2.2	1.1	3.3	9.9	9.9
125°	9.9	8.8	5.5	2.2	1.1	1.1	1.1	1.1	4.4	8.8	9.9
127.5°	8.8	7.7	4.4	2.2	1.1	1.1	1.1	1.1	3.3	6.6	7.7
130°	6.6	6.6	3.3	2.2	1.1	1.1	1.1	1.1	3.3	6.6	5.5
132.5°	4.4	4.4	3.3	2.2	1.1	1.1	1.1	1.1	3.3	4.4	4.4
135°	3.3	3.3	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	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	2.2	1.1	1.1	2.2	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	3.3	3.3	2.2
155°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	2.2	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	1.1	0.0	0.0	1.1	0.0
160°	0.0	0.0	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)