

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: P560289

Luminaire Tested: **SDL-PA1-30-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560289
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-PA1-30-830-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 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: 2372.6 lumens
Efficiency: N/A
Efficacy: 78.8 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

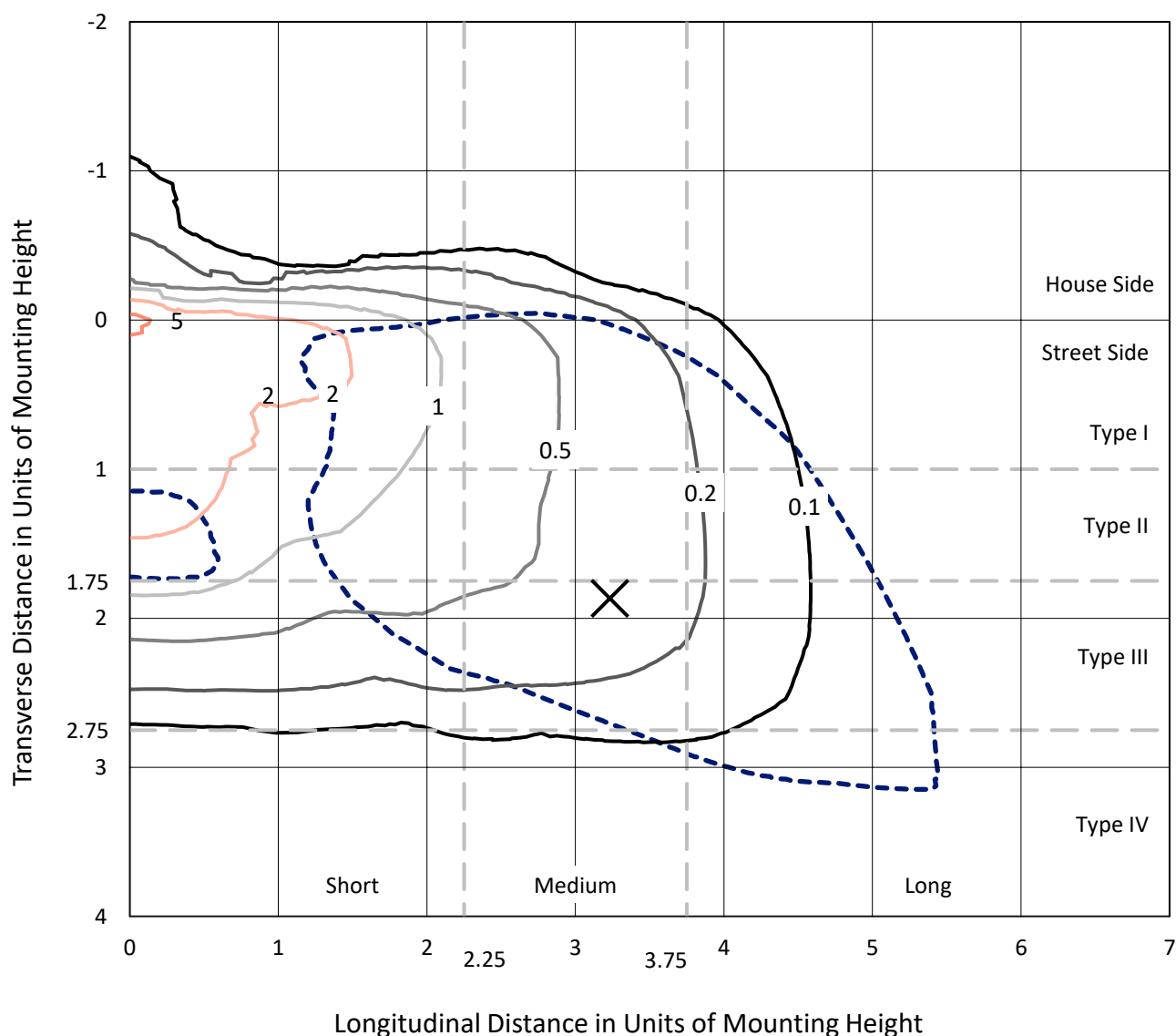


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

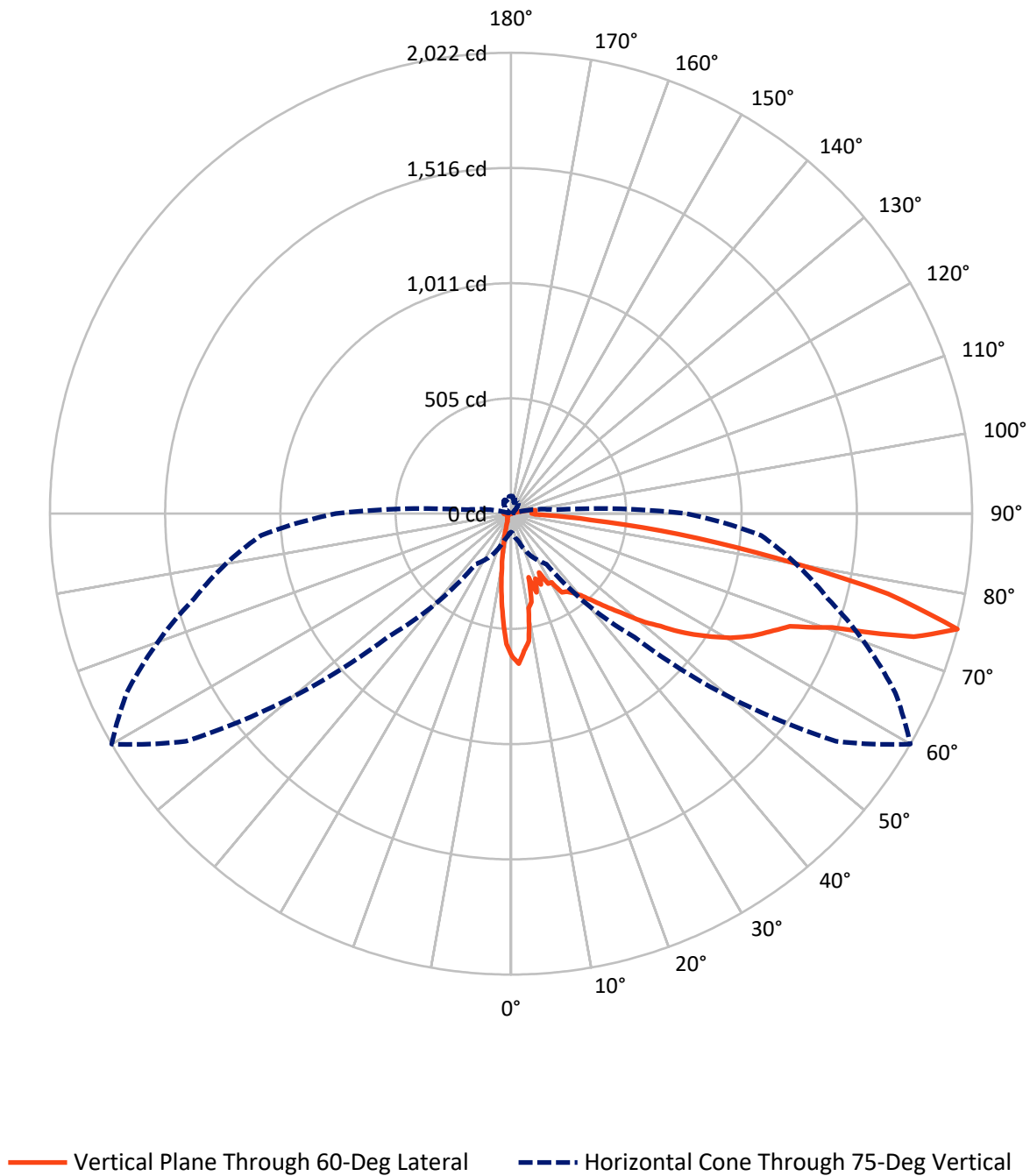


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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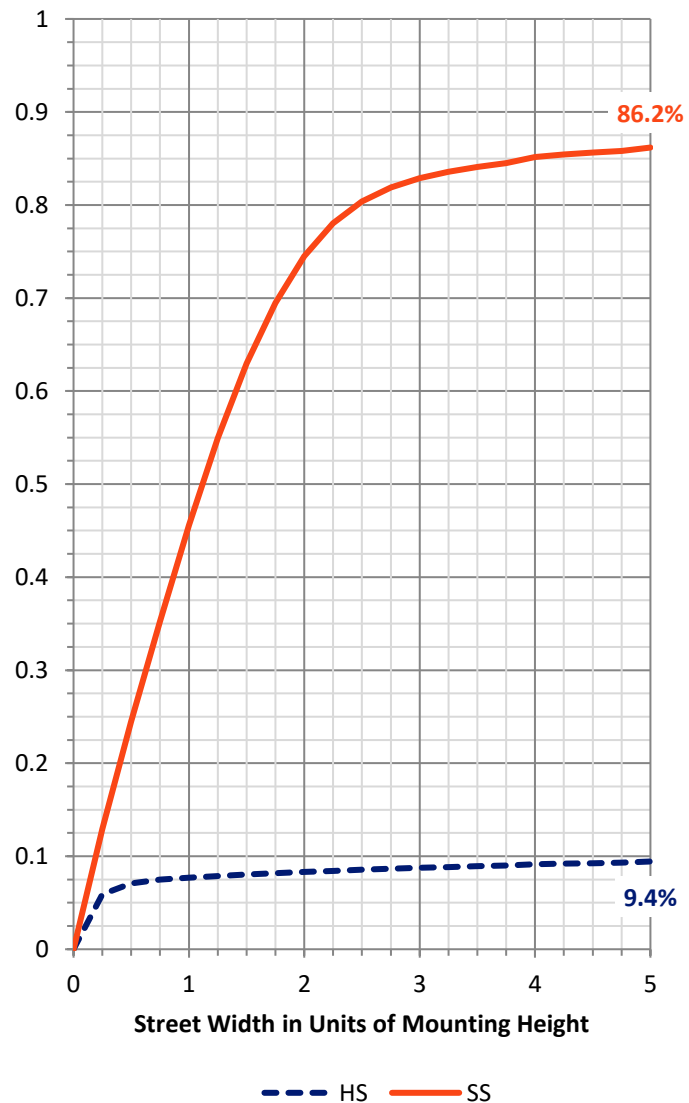
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	245.2	32.0	277.2
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2062.0	33.4	2095.4
	% Fixture	86.9	1.4	88.3
Total	Lumens	2307.2	65.4	2372.6
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	1.8
10°-20°	71.4	3.0
20°-30°	100.9	4.3
30°-40°	181.4	7.6
40°-50°	305.6	12.9
50°-60°	475.4	20.0
60°-70°	561.0	23.6
70°-80°	455.0	19.2
80°-90°	113.0	4.8
90°-100°	45.6	1.9
100°-110°	10.6	0.4
110°-120°	3.3	0.1
120°-130°	2.9	0.1
130°-140°	1.6	0.1
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2307.2	97.2
0°-180°	2372.6	100.0

Coefficient of Utilization



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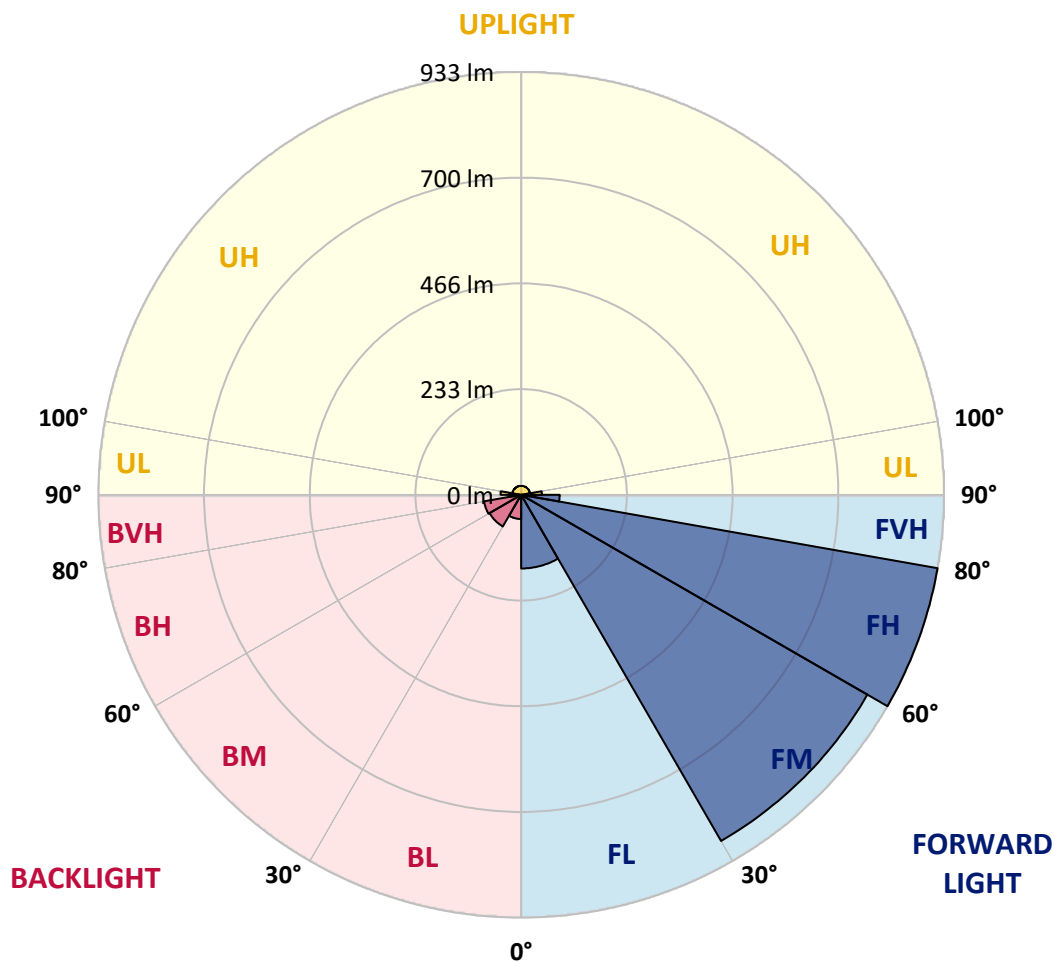
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.5	6.8			
FM	(30°-60°)	881.8	37.2			
FH	(60°-80°)	932.7	39.3			G1/1800
FVH	(80°-90°)	84.9	3.6			G1/100
BL	(0°-30°)	53.3	2.2	B0/110		
BM	(30°-60°)	80.6	3.4	B0/220		
BH	(60°-80°)	83.2	3.5	B0/110		G0/110
BVH	(80°-90°)	28.0	1.2			G1/100
UL	(90°-100°)	45.6	1.9		U2/50	
UH	(100°-180°)	19.8	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°	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2
2.5°	589.9	634.8	621.7	663.3	668.8	666.6	664.4	659.0	653.5	643.6	628.3
5°	565.8	570.1	566.9	574.5	575.6	578.9	573.4	604.1	655.7	642.5	618.4
7.5°	464.9	510.9	516.4	530.7	543.8	557.0	564.7	563.6	497.8	559.2	531.8
10°	474.8	481.3	480.2	490.1	479.1	460.5	419.9	421.0	421.0	434.2	448.4
12.5°	376.1	395.8	444.1	459.4	426.5	388.1	391.4	399.1	404.6	343.2	378.3
15°	426.5	427.6	428.7	428.7	321.3	367.3	320.2	289.5	331.1	405.7	412.3
17.5°	334.4	331.1	385.9	381.6	354.2	273.0	355.2	362.9	348.7	341.0	343.2
20°	392.5	392.5	389.2	310.3	326.7	352.0	304.8	303.7	321.3	399.1	403.5
22.5°	318.0	314.7	332.2	345.4	310.3	335.5	300.4	337.7	373.9	353.1	288.4
25°	398.0	398.0	384.9	299.3	321.3	288.4	333.3	286.2	318.0	432.0	411.2
27.5°	368.4	358.5	327.8	339.9	288.4	335.5	307.0	347.6	367.3	447.3	479.1
30°	475.9	472.6	437.5	342.1	327.8	308.1	330.0	349.8	423.2	580.0	553.7
32.5°	634.8	617.3	497.8	423.2	344.3	365.1	352.0	411.2	464.9	593.2	561.4
35°	677.6	664.4	607.4	514.2	385.9	385.9	378.3	419.9	477.0	621.7	577.8
37.5°	691.9	690.8	671.0	562.5	443.0	444.1	400.2	440.8	501.1	660.1	601.9
40°	700.6	702.8	722.6	612.9	503.3	501.1	440.8	470.4	538.4	701.7	645.8
42.5°	737.9	750.0	774.1	668.8	560.3	561.4	490.1	517.5	587.7	770.8	706.1
45°	821.2	824.5	838.8	745.6	614.0	621.7	552.6	581.1	648.0	846.5	774.1
47.5°	947.3	947.3	923.2	805.9	677.6	688.6	618.4	648.0	719.3	957.2	853.0
50°	1059.2	1050.4	997.8	877.2	729.1	753.3	705.0	739.0	779.6	1041.6	951.7
52.5°	1129.3	1126.0	1061.4	925.4	784.0	824.5	776.3	820.1	849.7	1129.3	1040.5
55°	1119.5	1119.5	1077.8	950.6	834.4	889.2	868.4	923.2	934.2	1212.7	1105.2
57.5°	1082.2	1087.7	1067.9	960.5	844.3	950.6	962.7	1014.2	1032.8	1260.9	1145.8
60°	1006.5	1017.5	1038.3	973.6	882.6	1019.7	1059.2	1105.2	1140.3	1297.1	1179.8
62.5°	865.1	879.3	952.8	972.5	912.2	1091.0	1141.4	1182.0	1214.9	1316.8	1203.9
65°	655.7	682.0	788.3	902.4	910.0	1174.3	1208.3	1247.7	1279.5	1336.6	1266.4
67.5°	418.8	419.9	535.1	745.6	848.6	1291.6	1298.2	1317.9	1338.8	1391.4	1355.2
70°	216.0	227.0	281.8	475.9	695.1	1315.7	1523.0	1494.4	1462.7	1510.9	1470.3
72.5°	143.6	155.7	185.3	256.6	436.4	1186.3	1767.5	1846.4	1706.1	1599.7	1369.5
75°	81.1	87.7	123.9	202.8	269.7	766.4	1740.1	2021.8	1859.6	1437.4	1100.8
77.5°	36.2	38.4	55.9	159.0	231.3	373.9	1369.5	1689.6	1624.9	1198.4	793.8
80°	19.7	19.7	26.3	73.5	196.3	281.8	908.9	1176.5	1105.2	722.6	360.7
82.5°	11.0	12.1	15.4	35.1	119.5	257.7	574.5	737.9	583.3	198.5	145.8
85°	4.4	4.4	6.6	18.6	43.9	218.2	314.7	350.9	235.7	100.9	112.9
87.5°	2.2	2.2	2.2	6.6	14.3	55.9	103.1	110.7	86.6	80.0	97.6
90°	3.3	3.3	2.2	2.2	9.9	59.2	86.6	91.0	71.3	80.0	98.7
92.5°	4.4	3.3	2.2	2.2	7.7	59.2	98.7	97.6	71.3	80.0	102.0
95°	5.5	4.4	2.2	2.2	7.7	52.6	118.4	106.4	76.8	81.1	107.5
97.5°	5.5	5.5	2.2	2.2	7.7	40.6	125.0	107.5	66.9	52.6	73.5
100°	6.6	6.6	2.2	2.2	8.8	24.1	86.6	80.0	47.1	17.5	20.8
102.5°	7.7	7.7	2.2	2.2	5.5	12.1	41.7	40.6	26.3	4.4	7.7
105°	7.7	8.8	2.2	2.2	2.2	5.5	15.4	18.6	13.2	4.4	7.7
107.5°	8.8	9.9	2.2	2.2	2.2	3.3	6.6	6.6	4.4	4.4	7.7
110°	8.8	8.8	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	7.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	6.6	6.6	1.1	2.2	2.2	2.2	1.1	2.2	2.2	3.3	6.6
115°	3.3	2.2	1.1	2.2	1.1	2.2	1.1	2.2	3.3	3.3	7.7
117.5°	1.1	1.1	1.1	1.1	1.1	2.2	1.1	2.2	2.2	5.5	9.9
120°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	7.7	12.1
122.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	7.7	14.3
125°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.5	13.2
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.5	11.0
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	4.4	9.9
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	4.4	7.7
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	5.5
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
140°	1.1	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
142.5°	1.1	0.0	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	2.2	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°	4.4	4.4	4.4	3.3	2.2	1.1	3.3	2.2	1.1	1.1	1.1
152.5°	3.3	3.3	5.5	2.2	1.1	1.1	1.1	3.3	3.3	1.1	1.1
155°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4
157.5°	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1	1.1	2.2	1.1
160°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2	627.2
2.5°	622.8	616.2	598.7	582.2	562.5	550.4	508.7	461.6	451.7	449.5	441.9
5°	607.4	593.2	559.2	486.8	414.5	381.6	366.2	354.2	337.7	334.4	330.0
7.5°	515.3	491.2	438.6	349.8	338.8	308.1	282.9	262.0	217.1	205.0	198.5
10°	428.7	407.9	299.3	254.4	231.3	208.3	180.9	160.1	141.4	132.7	129.4
12.5°	346.5	325.6	223.7	201.7	143.6	118.4	103.1	85.5	71.3	63.6	63.6
15°	383.8	349.8	231.3	143.6	94.3	70.2	51.5	46.1	53.7	54.8	54.8
17.5°	313.6	279.6	182.0	111.8	69.1	38.4	41.7	47.1	51.5	45.0	46.1
20°	360.7	313.6	183.1	84.4	43.9	37.3	38.4	35.1	47.1	48.2	48.2
22.5°	273.0	246.7	138.2	66.9	34.0	35.1	32.9	39.5	43.9	38.4	37.3
25°	353.1	290.6	140.3	42.8	34.0	28.5	34.0	30.7	40.6	41.7	41.7
27.5°	404.6	325.6	122.8	37.3	28.5	30.7	27.4	31.8	30.7	30.7	30.7
30°	459.4	355.2	119.5	36.2	27.4	25.2	26.3	25.2	29.6	30.7	30.7
32.5°	459.4	339.9	91.0	36.2	26.3	24.1	20.8	23.0	24.1	26.3	27.4
35°	462.7	326.7	66.9	32.9	24.1	20.8	18.6	18.6	20.8	21.9	21.9
37.5°	472.6	318.0	51.5	30.7	21.9	18.6	15.4	16.4	28.5	31.8	31.8
40°	500.0	318.0	43.9	28.5	19.7	16.4	13.2	20.8	24.1	28.5	28.5
42.5°	542.7	322.4	41.7	27.4	17.5	14.3	11.0	16.4	29.6	34.0	35.1
45°	587.7	331.1	39.5	26.3	16.4	12.1	13.2	19.7	23.0	30.7	30.7
47.5°	650.2	349.8	38.4	25.2	15.4	9.9	12.1	19.7	25.2	32.9	32.9
50°	718.2	369.5	36.2	24.1	13.2	8.8	18.6	16.4	20.8	34.0	34.0
52.5°	788.3	392.5	35.1	23.0	12.1	12.1	20.8	19.7	25.2	32.9	34.0
55°	849.7	411.2	32.9	23.0	11.0	11.0	21.9	19.7	23.0	30.7	31.8
57.5°	879.3	414.5	31.8	21.9	9.9	11.0	20.8	24.1	20.8	25.2	27.4
60°	916.6	423.2	28.5	19.7	8.8	14.3	24.1	31.8	28.5	32.9	35.1
62.5°	951.7	429.8	25.2	17.5	7.7	15.4	31.8	38.4	30.7	38.4	42.8
65°	1016.4	444.1	20.8	14.3	6.6	17.5	36.2	46.1	34.0	45.0	45.0
67.5°	1106.3	467.1	16.4	12.1	6.6	19.7	37.3	52.6	40.6	49.3	48.2
70°	1141.4	429.8	14.3	11.0	6.6	23.0	40.6	57.0	42.8	54.8	54.8
72.5°	995.6	310.3	12.1	11.0	11.0	26.3	50.4	62.5	47.1	69.1	68.0
75°	768.6	195.2	12.1	11.0	13.2	32.9	57.0	66.9	50.4	76.8	75.7
77.5°	512.0	92.1	12.1	12.1	15.4	36.2	61.4	71.3	55.9	85.5	84.4
80°	200.6	50.4	13.2	13.2	18.6	38.4	65.8	73.5	58.1	92.1	91.0
82.5°	96.5	35.1	13.2	13.2	25.2	42.8	70.2	76.8	60.3	93.2	92.1
85°	82.2	32.9	12.1	14.3	30.7	53.7	74.6	75.7	61.4	88.8	88.8
87.5°	73.5	31.8	12.1	14.3	41.7	62.5	77.8	74.6	65.8	86.6	86.6
90°	75.7	34.0	13.2	16.4	47.1	63.6	78.9	74.6	63.6	80.0	80.0
92.5°	81.1	36.2	14.3	17.5	47.1	59.2	73.5	66.9	59.2	68.0	66.9
95°	85.5	38.4	15.4	19.7	41.7	46.1	61.4	53.7	49.3	52.6	52.6
97.5°	65.8	29.6	17.5	21.9	31.8	27.4	38.4	35.1	26.3	21.9	21.9
100°	17.5	9.9	18.6	21.9	21.9	18.6	28.5	26.3	17.5	7.7	7.7
102.5°	6.6	6.6	17.5	20.8	17.5	14.3	20.8	19.7	14.3	2.2	2.2
105°	6.6	5.5	11.0	16.4	11.0	7.7	11.0	13.2	8.8	2.2	2.2
107.5°	6.6	5.5	6.6	9.9	4.4	3.3	4.4	4.4	4.4	1.1	2.2
110°	6.6	5.5	3.3	4.4	3.3	3.3	3.3	2.2	2.2	4.4	4.4

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CATALOG NUMBER: SDL-PA1-30-830-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.6	5.5	3.3	4.4	3.3	3.3	2.2	2.2	3.3	6.6	6.6
115°	6.6	5.5	3.3	3.3	2.2	3.3	2.2	1.1	3.3	7.7	8.8
117.5°	8.8	5.5	2.2	2.2	2.2	2.2	2.2	1.1	3.3	9.9	11.0
120°	11.0	6.6	2.2	2.2	2.2	1.1	2.2	1.1	4.4	9.9	11.0
122.5°	12.1	7.7	2.2	2.2	2.2	1.1	1.1	2.2	4.4	9.9	9.9
125°	12.1	7.7	2.2	2.2	1.1	1.1	1.1	1.1	4.4	9.9	11.0
127.5°	9.9	6.6	2.2	2.2	1.1	1.1	1.1	1.1	4.4	8.8	9.9
130°	8.8	6.6	2.2	2.2	1.1	1.1	1.1	1.1	4.4	7.7	8.8
132.5°	6.6	5.5	2.2	1.1	1.1	1.1	1.1	1.1	4.4	6.6	7.7
135°	5.5	3.3	2.2	1.1	1.1	1.1	1.1	1.1	3.3	6.6	6.6
137.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
140°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
142.5°	1.1	2.2	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
145°	1.1	2.2	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
147.5°	1.1	2.2	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
150°	1.1	2.2	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2
152.5°	1.1	2.2	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
155°	4.4	3.3	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	1.1
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)