

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: P560288

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560288
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-PA1-30-830-U-SL3-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA 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: 2811.1 lumens
Efficiency: N/A
Efficacy: 93.4 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 - U3 - G2

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

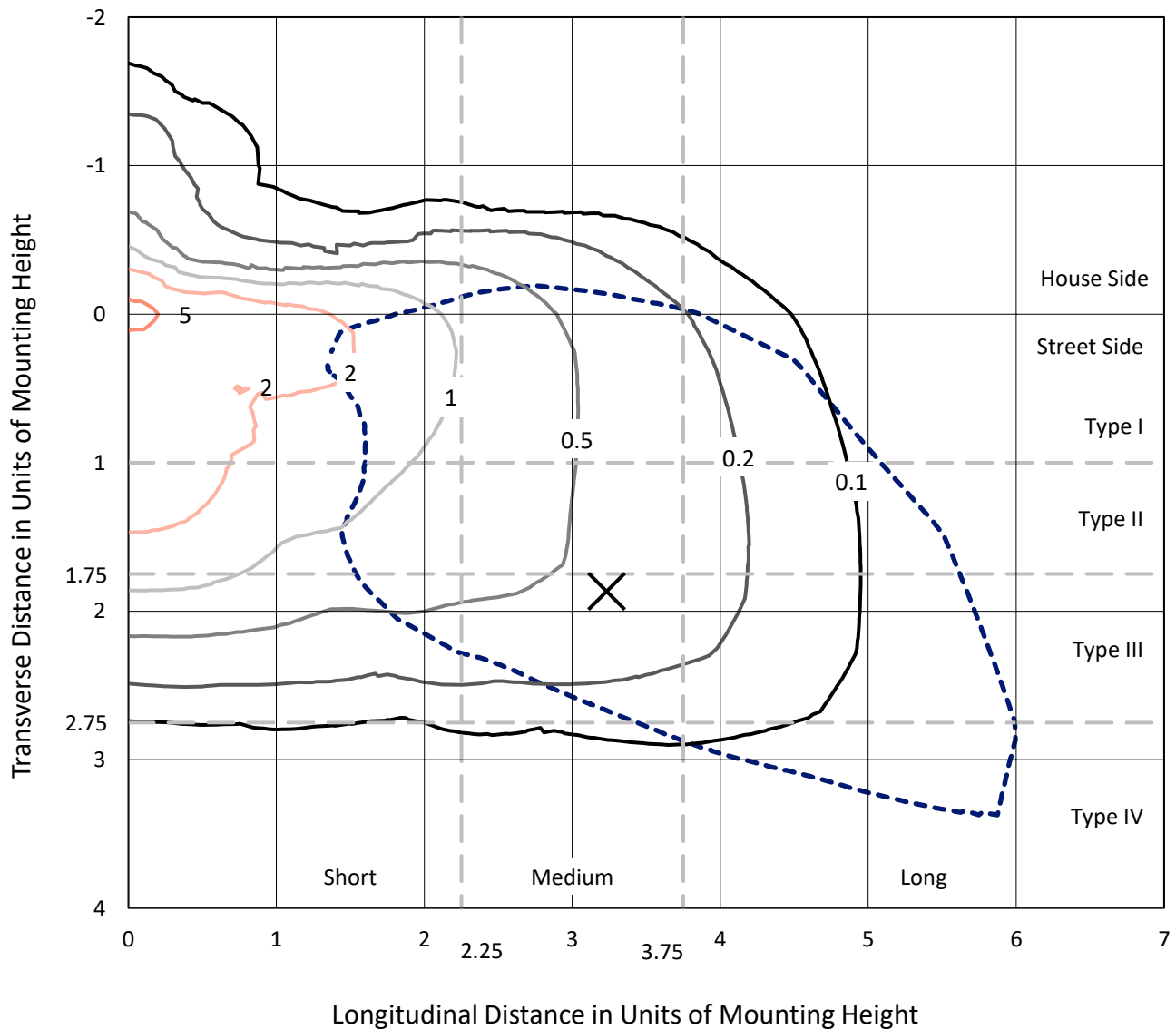


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

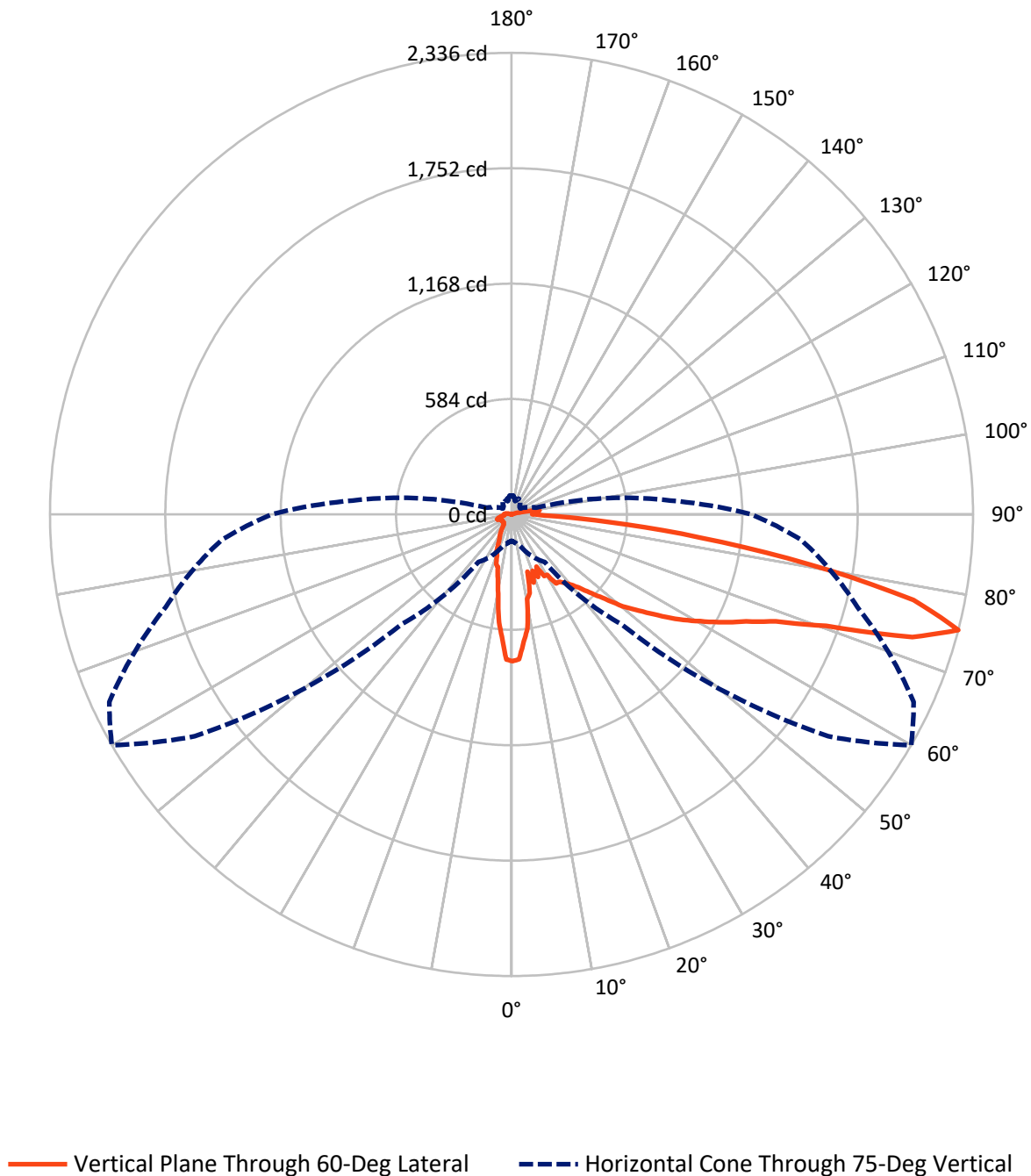


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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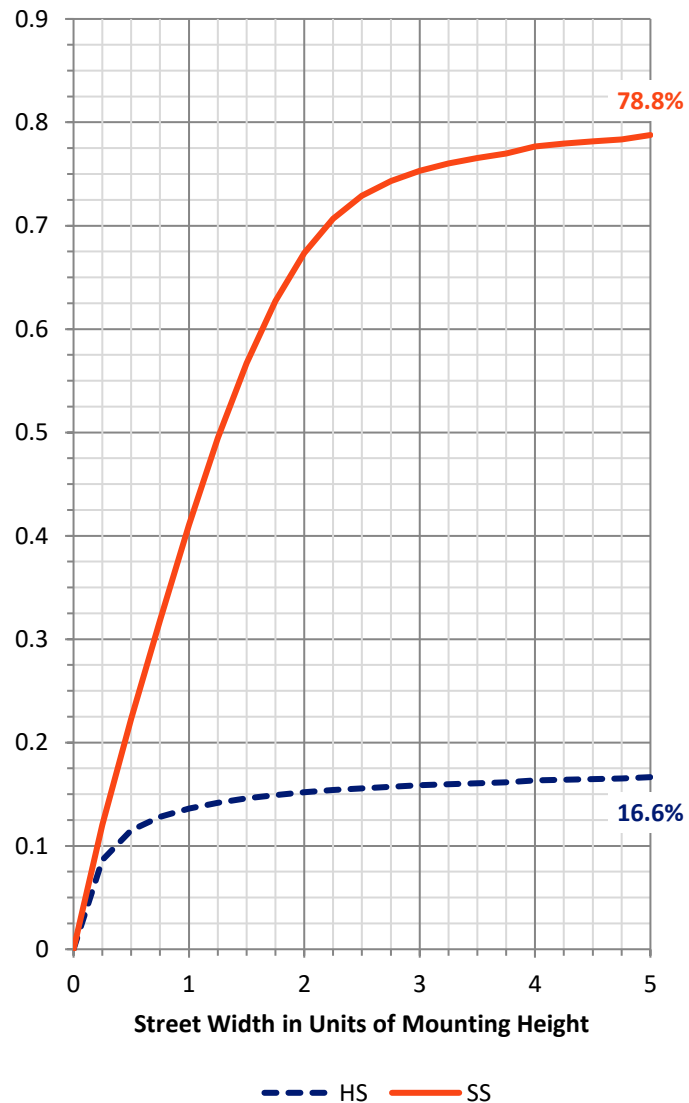
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.5	37.4	530.9
	% Fixture	17.6	1.3	18.9
Street Side	Lumens	2240.6	39.6	2280.2
	% Fixture	79.7	1.4	81.1
Total	Lumens	2734.1	77.0	2811.1
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	1.9
10°-20°	97.2	3.5
20°-30°	126.0	4.5
30°-40°	210.0	7.5
40°-50°	336.2	12.0
50°-60°	516.1	18.4
60°-70°	644.9	22.9
70°-80°	588.2	20.9
80°-90°	161.0	5.7
90°-100°	54.0	1.9
100°-110°	12.3	0.4
110°-120°	3.9	0.1
120°-130°	3.6	0.1
130°-140°	1.7	0.1
140°-150°	0.7	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2734.1	97.3
0°-180°	2811.1	100.0

Coefficient of Utilization



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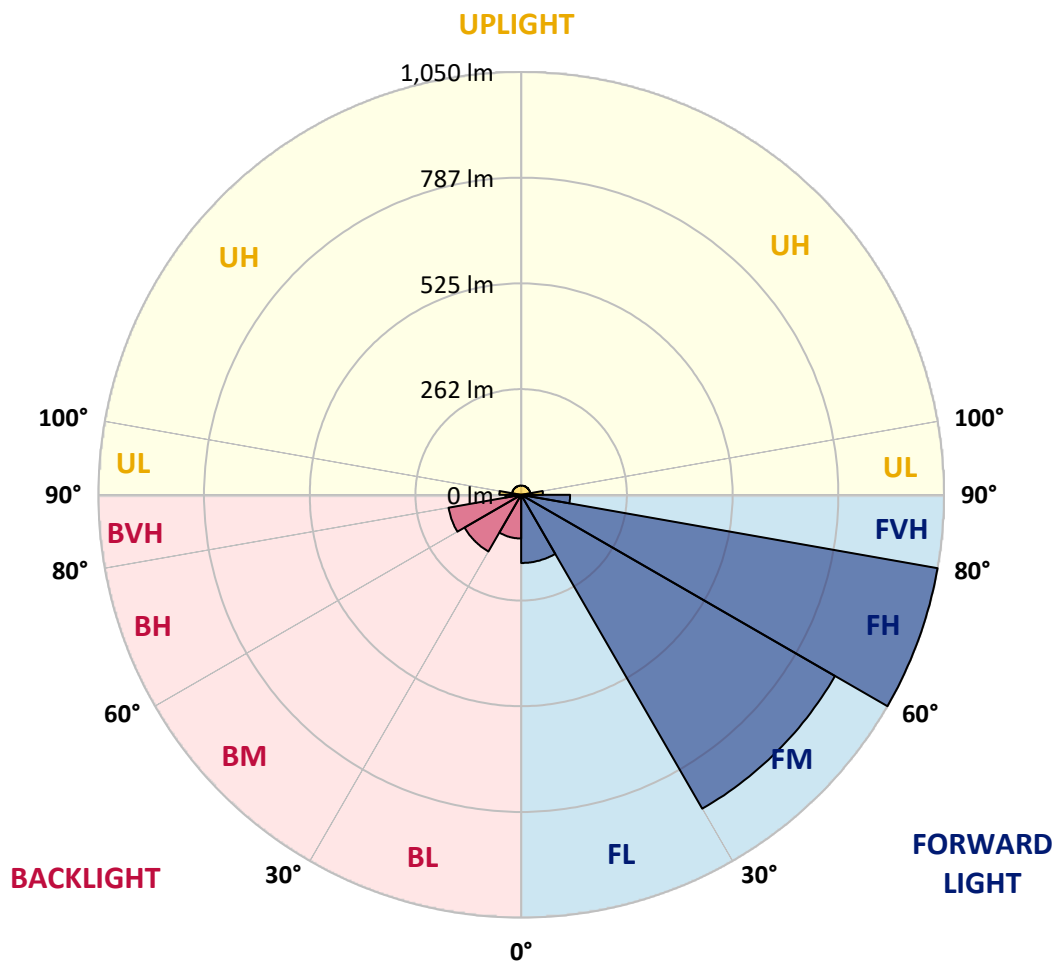
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.3	6.0			
FM	(30°-60°)	899.8	32.0			
FH	(60°-80°)	1050.0	37.4			G1/1800
FVH	(80°-90°)	121.5	4.3			G2/225
BL	(0°-30°)	108.5	3.9	B0/110		
BM	(30°-60°)	162.4	5.8	B0/220		
BH	(60°-80°)	183.1	6.5	B1/500		G1/500
BVH	(80°-90°)	39.5	1.4			G1/100
UL	(90°-100°)	54.0	1.9		U3/500	
UH	(100°-180°)	23.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4
2.5°	622.8	681.0	675.5	720.4	720.4	730.3	734.7	733.6	738.0	742.4	741.3
5°	573.5	574.6	579.0	588.8	592.1	595.4	606.4	644.8	709.5	724.8	724.8
7.5°	473.7	500.0	532.9	538.4	558.1	568.0	580.1	582.3	538.4	617.4	625.0
10°	480.3	481.4	479.2	491.3	477.0	471.5	433.1	435.3	439.7	469.3	528.5
12.5°	376.1	398.0	445.2	467.1	432.0	393.7	391.5	410.1	417.8	373.9	466.0
15°	429.8	432.0	433.1	434.2	322.4	373.9	326.8	300.5	336.6	424.4	482.5
17.5°	336.6	338.8	390.4	389.3	355.3	287.3	355.3	363.0	348.7	360.8	403.5
20°	394.8	395.9	392.6	304.8	311.4	352.0	305.9	304.8	322.4	415.6	469.3
22.5°	324.6	320.2	319.1	348.7	316.9	338.8	297.2	344.3	373.9	370.6	354.2
25°	406.8	405.7	389.3	303.7	324.6	287.3	347.6	291.7	323.5	448.5	469.3
27.5°	380.5	365.2	337.7	350.9	302.6	336.6	309.2	353.1	372.8	460.6	543.9
30°	492.4	481.4	449.6	354.2	334.4	310.3	331.2	354.2	424.4	593.2	621.7
32.5°	650.3	638.2	524.2	434.2	350.9	367.3	348.7	415.6	468.2	605.3	627.2
35°	698.5	682.1	626.1	526.3	402.4	390.4	371.7	418.9	474.8	637.1	637.1
37.5°	725.9	724.8	698.5	581.2	454.0	447.4	400.2	439.7	501.1	667.8	661.2
40°	730.3	735.8	747.8	629.4	515.4	501.1	437.5	468.2	538.4	705.1	691.9
42.5°	766.5	776.4	803.8	693.0	576.8	563.6	481.4	509.9	579.0	759.9	756.6
45°	824.6	834.5	858.6	763.2	630.5	621.7	552.7	570.2	644.8	856.4	825.7
47.5°	945.2	947.4	937.6	821.3	688.6	688.6	621.7	638.2	704.0	945.2	915.6
50°	1065.8	1052.7	1008.8	890.4	746.8	763.2	693.0	731.4	770.9	1035.1	994.6
52.5°	1132.7	1130.5	1071.3	943.0	797.2	829.0	775.3	808.2	832.3	1126.2	1069.1
55°	1134.9	1131.6	1091.1	968.3	844.3	897.0	857.5	900.3	917.8	1197.4	1171.1
57.5°	1098.7	1107.5	1086.7	982.5	867.4	962.8	957.3	1003.3	1012.1	1281.9	1241.3
60°	1041.7	1040.6	1065.8	995.7	902.5	1025.3	1049.4	1096.6	1143.7	1346.6	1303.8
62.5°	899.2	909.0	980.3	995.7	940.8	1106.4	1152.5	1201.8	1259.9	1405.8	1359.7
65°	704.0	709.5	821.3	923.3	951.8	1215.0	1256.7	1306.0	1367.4	1466.1	1422.2
67.5°	425.5	461.6	558.1	759.9	895.9	1345.5	1422.2	1443.1	1478.2	1534.1	1514.3
70°	242.3	253.3	299.4	478.1	747.8	1387.1	1727.1	1689.8	1653.6	1666.8	1629.5
72.5°	184.2	190.8	211.6	282.9	447.4	1224.9	1983.7	2121.8	1966.1	1804.9	1626.2
75°	133.8	140.4	161.2	228.1	293.9	785.1	1957.3	2335.7	2245.7	1811.5	1470.5
77.5°	83.3	84.4	96.5	194.1	264.3	393.7	1531.9	2080.2	2119.6	1692.0	1219.4
80°	58.1	59.2	61.4	104.2	243.4	315.8	1028.6	1527.5	1583.4	1177.7	621.7
82.5°	41.7	43.9	46.1	61.4	157.9	301.6	640.4	961.7	847.6	426.6	252.2
85°	21.9	24.1	29.6	37.3	63.6	327.9	383.8	489.1	387.1	173.3	150.2
87.5°	8.8	7.7	6.6	9.9	17.5	126.1	149.1	164.5	127.2	97.6	119.5
90°	7.7	6.6	4.4	5.5	7.7	45.0	94.3	105.3	87.7	95.4	120.6
92.5°	7.7	6.6	4.4	4.4	7.7	45.0	112.9	115.1	91.0	97.6	126.1
95°	7.7	7.7	4.4	4.4	7.7	40.6	133.8	131.6	94.3	103.1	133.8
97.5°	7.7	7.7	3.3	4.4	7.7	27.4	138.2	142.6	92.1	73.5	110.8
100°	7.7	7.7	3.3	3.3	6.6	17.5	96.5	104.2	68.0	24.1	27.4
102.5°	7.7	7.7	3.3	3.3	4.4	12.1	42.8	51.5	40.6	7.7	8.8
105°	7.7	8.8	2.2	2.2	3.3	6.6	18.6	20.8	16.4	5.5	9.9
107.5°	8.8	9.9	2.2	2.2	2.2	3.3	6.6	7.7	4.4	4.4	9.9
110°	9.9	9.9	2.2	2.2	2.2	3.3	2.2	2.2	3.3	4.4	11.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	7.7	6.6	1.1	2.2	2.2	2.2	2.2	2.2	2.2	4.4	11.0
115°	4.4	3.3	1.1	2.2	2.2	2.2	1.1	2.2	3.3	4.4	9.9
117.5°	4.4	3.3	1.1	1.1	1.1	2.2	1.1	1.1	3.3	5.5	12.1
120°	3.3	3.3	1.1	1.1	1.1	1.1	1.1	2.2	2.2	7.7	16.4
122.5°	3.3	3.3	1.1	1.1	1.1	1.1	1.1	2.2	2.2	7.7	16.4
125°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	2.2	2.2	6.6	15.4
127.5°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	2.2	2.2	5.5	12.1
130°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	2.2	1.1	5.5	9.9
132.5°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	3.3	7.7
135°	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	5.5
137.5°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
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°	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	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	2.2	1.1	1.1	1.1	1.1	1.1
150°	2.2	2.2	4.4	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	4.4	4.4	4.4	3.3	1.1	1.1	2.2	3.3	1.1	1.1	1.1
155°	3.3	3.3	3.3	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
157.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.0	1.1	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°	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4	742.4
2.5°	738.0	740.2	738.0	735.8	733.6	727.0	682.1	627.2	622.8	627.2	625.0
5°	719.3	719.3	718.2	642.6	597.6	584.5	581.2	577.9	571.3	568.0	570.2
7.5°	620.6	617.4	579.0	511.0	553.8	538.4	529.6	525.2	459.5	435.3	437.5
10°	518.7	518.7	430.9	406.8	404.6	411.2	456.2	452.9	444.1	438.6	444.1
12.5°	447.4	466.0	342.1	366.2	297.2	329.0	359.7	381.6	314.7	296.1	299.4
15°	474.8	468.2	376.1	287.3	262.1	276.3	221.5	277.4	273.0	264.3	263.2
17.5°	414.5	380.5	313.6	269.8	258.8	195.2	189.7	196.3	179.8	164.5	172.2
20°	450.7	432.0	332.3	240.1	199.6	177.6	133.8	125.0	159.0	166.7	165.6
22.5°	376.1	313.6	271.9	239.0	161.2	127.2	100.9	110.8	118.4	126.1	129.4
25°	441.9	407.9	297.2	178.7	130.5	93.2	91.0	82.2	123.9	141.5	140.4
27.5°	509.9	461.6	286.2	167.8	94.3	80.0	73.5	83.3	86.6	97.6	104.2
30°	570.2	512.1	331.2	155.7	79.0	60.3	65.8	68.0	84.4	91.0	91.0
32.5°	568.0	497.8	296.1	132.7	64.7	54.8	54.8	64.7	74.6	89.9	91.0
35°	566.9	486.9	264.3	103.1	57.0	48.2	50.4	61.4	74.6	83.3	84.4
37.5°	580.1	483.6	232.5	83.3	51.5	46.1	48.2	58.1	80.0	88.8	88.8
40°	599.8	485.8	200.7	71.3	49.3	45.0	46.1	61.4	72.4	80.0	80.0
42.5°	660.1	517.6	173.3	65.8	49.3	43.9	43.9	57.0	73.5	86.6	87.7
45°	705.1	542.8	152.4	65.8	48.2	41.7	46.1	57.0	64.7	95.4	102.0
47.5°	777.5	588.8	132.7	65.8	48.2	40.6	42.8	55.9	68.0	109.7	114.0
50°	849.8	634.9	123.9	65.8	48.2	39.5	48.2	53.7	68.0	114.0	117.3
52.5°	926.6	691.9	118.4	65.8	48.2	41.7	52.6	64.7	73.5	102.0	100.9
55°	1005.5	742.4	115.1	68.0	48.2	41.7	57.0	60.3	62.5	79.0	81.1
57.5°	1079.0	803.8	121.7	68.0	47.2	43.9	53.7	59.2	54.8	69.1	70.2
60°	1137.1	859.7	138.2	65.8	46.1	43.9	54.8	64.7	61.4	75.7	77.9
62.5°	1204.0	918.9	176.5	66.9	46.1	45.0	61.4	70.2	62.5	74.6	79.0
65°	1291.7	1008.8	219.3	73.5	47.2	47.2	62.5	75.7	62.5	73.5	73.5
67.5°	1390.4	1092.2	219.3	85.5	50.4	50.4	62.5	80.0	66.9	73.5	73.5
70°	1462.8	1096.6	180.9	94.3	54.8	53.7	64.7	83.3	68.0	81.1	80.0
72.5°	1382.8	977.0	150.2	93.2	59.2	55.9	73.5	85.5	69.1	92.1	91.0
75°	1213.9	806.0	130.5	83.3	53.7	57.0	76.8	87.7	70.2	96.5	94.3
77.5°	957.3	587.8	110.8	70.2	47.2	54.8	79.0	89.9	72.4	102.0	100.9
80°	463.8	295.0	89.9	59.2	42.8	52.6	79.0	88.8	71.3	105.3	105.3
82.5°	209.4	146.9	61.4	40.6	42.8	53.7	81.1	89.9	71.3	103.1	102.0
85°	136.0	100.9	39.5	31.8	42.8	61.4	82.2	85.5	68.0	95.4	95.4
87.5°	102.0	70.2	20.8	19.7	47.2	66.9	82.2	79.0	65.8	89.9	87.7
90°	104.2	74.6	21.9	19.7	50.4	68.0	82.2	77.9	63.6	81.1	81.1
92.5°	112.9	82.2	25.2	21.9	51.5	61.4	77.9	70.2	59.2	70.2	69.1
95°	122.8	92.1	29.6	25.2	45.0	45.0	61.4	57.0	50.4	53.7	53.7
97.5°	89.9	65.8	26.3	27.4	34.0	28.5	40.6	38.4	26.3	24.1	23.0
100°	26.3	21.9	24.1	26.3	24.1	20.8	30.7	29.6	17.5	8.8	8.8
102.5°	9.9	11.0	21.9	24.1	18.6	15.4	21.9	24.1	14.3	2.2	3.3
105°	8.8	7.7	15.4	18.6	11.0	8.8	11.0	15.4	8.8	2.2	2.2
107.5°	9.9	7.7	7.7	9.9	4.4	4.4	4.4	5.5	3.3	2.2	2.2
110°	9.9	7.7	4.4	4.4	3.3	3.3	3.3	2.2	2.2	2.2	2.2



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	7.7	4.4	4.4	3.3	3.3	2.2	2.2	3.3	5.5	5.5
115°	11.0	8.8	4.4	3.3	2.2	3.3	2.2	1.1	3.3	7.7	7.7
117.5°	13.2	9.9	3.3	3.3	2.2	2.2	2.2	1.1	3.3	9.9	11.0
120°	16.4	12.1	4.4	2.2	2.2	2.2	2.2	1.1	4.4	11.0	12.1
122.5°	16.4	13.2	4.4	2.2	2.2	1.1	1.1	2.2	4.4	11.0	12.1
125°	15.4	12.1	4.4	2.2	2.2	1.1	1.1	1.1	5.5	11.0	12.1
127.5°	12.1	11.0	4.4	2.2	1.1	1.1	1.1	2.2	4.4	9.9	9.9
130°	9.9	8.8	3.3	2.2	1.1	1.1	1.1	1.1	4.4	7.7	8.8
132.5°	7.7	6.6	3.3	2.2	1.1	1.1	1.1	1.1	4.4	7.7	7.7
135°	5.5	5.5	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	6.6
137.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	2.2	3.3	3.3
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	2.2	2.2
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	2.2
145°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	2.2	2.2
155°	3.3	3.3	3.3	2.2	1.1	0.0	0.0	0.0	1.1	1.1	2.2
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	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)