

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: P560293

Luminaire Tested: **SDL-PA1-30-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2296.9 lumens
Efficiency: N/A
Efficacy: 76.3 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: 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

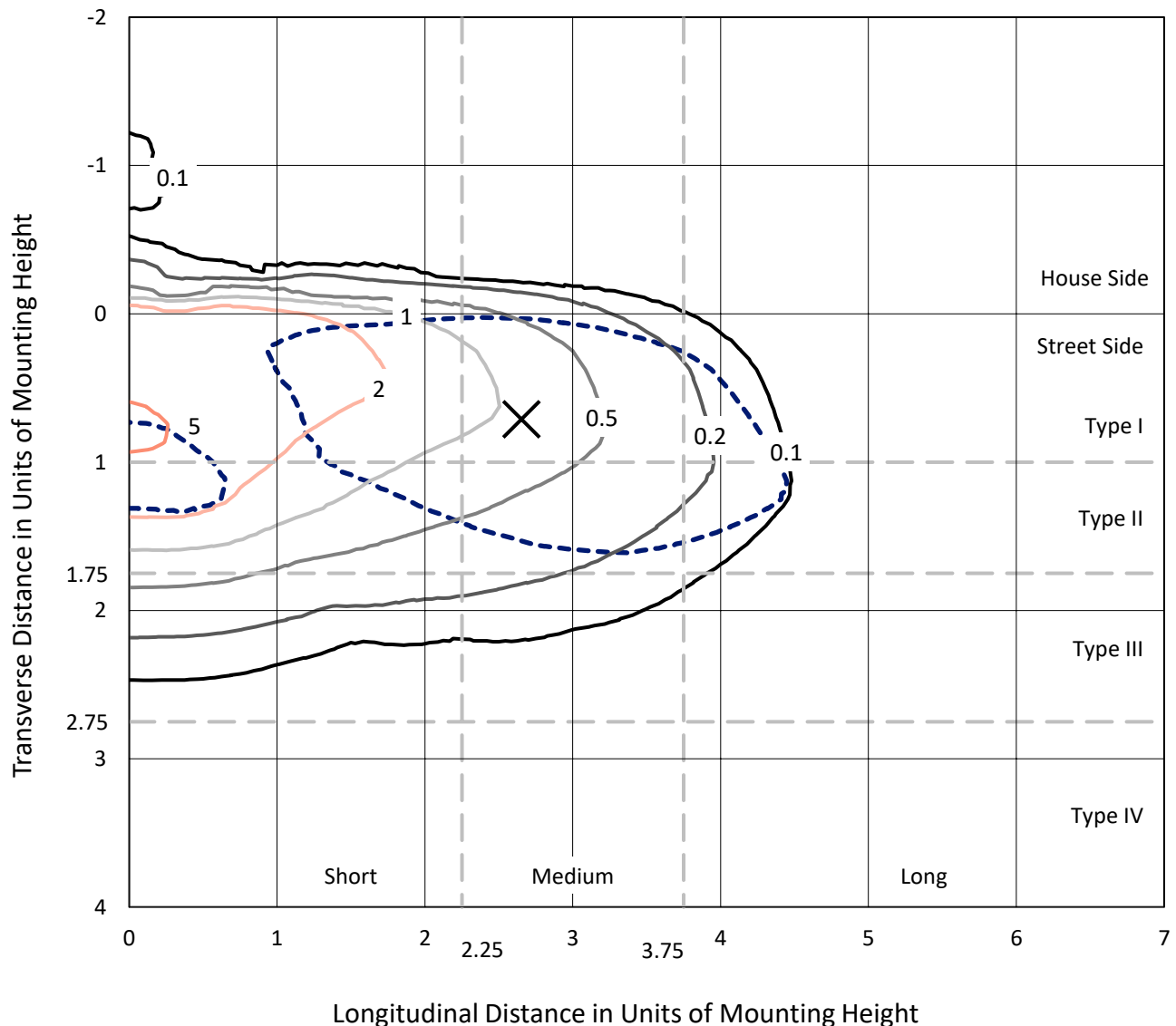


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

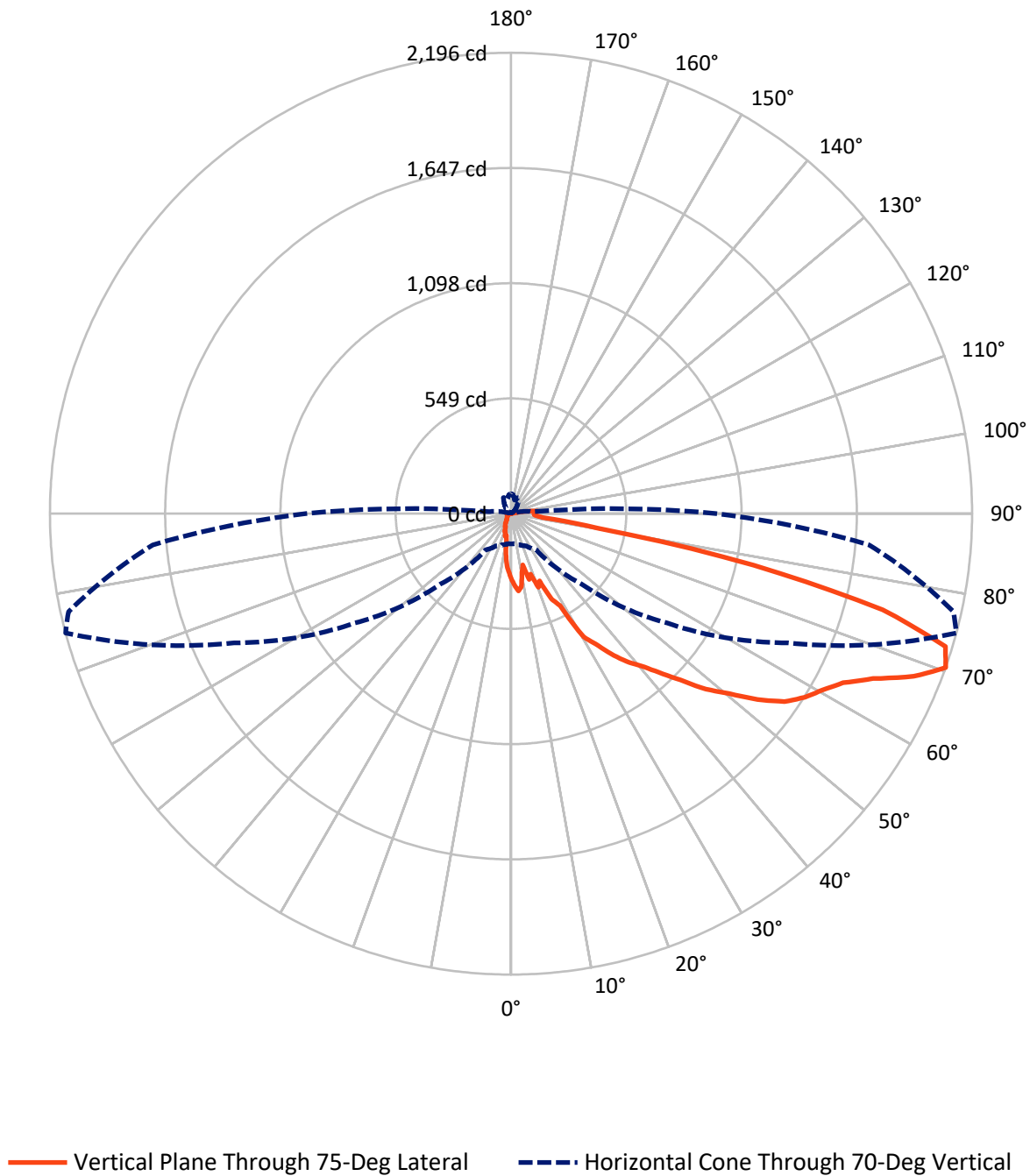


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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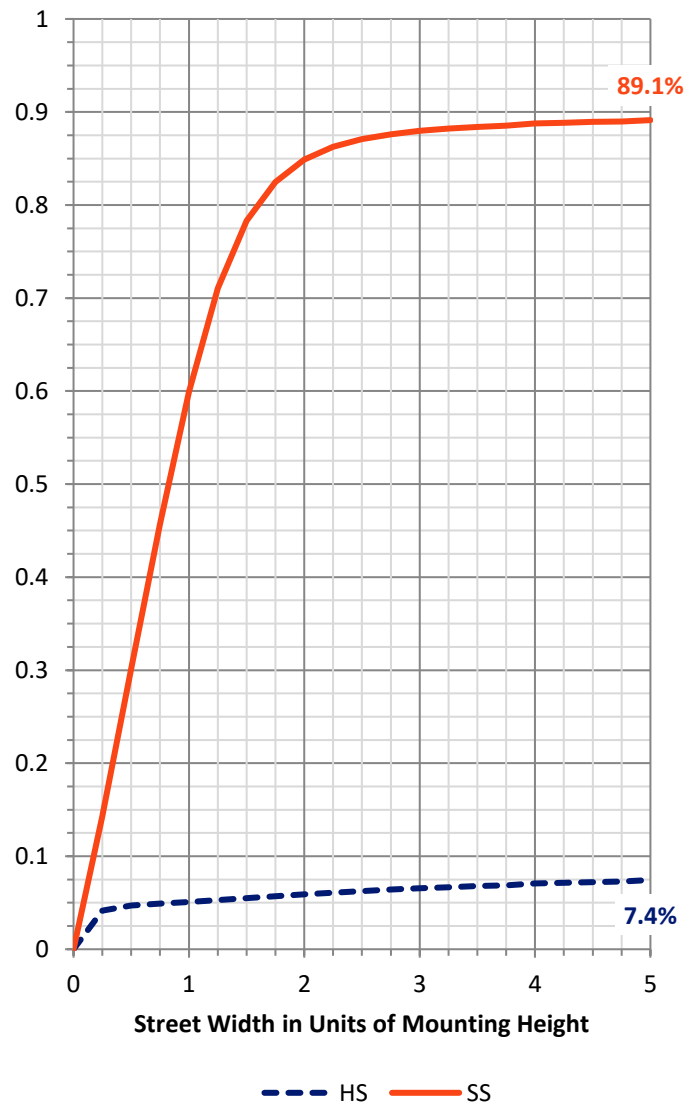
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.2	23.3	210.4
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	2057.2	29.3	2086.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	2244.4	52.6	2296.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	1.1
10°-20°	60.6	2.6
20°-30°	113.7	4.9
30°-40°	255.1	11.1
40°-50°	419.8	18.3
50°-60°	514.6	22.4
60°-70°	482.0	21.0
70°-80°	313.9	13.7
80°-90°	60.0	2.6
90°-100°	34.4	1.5
100°-110°	7.7	0.3
110°-120°	3.9	0.2
120°-130°	3.3	0.1
130°-140°	1.6	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2244.4	97.7
0°-180°	2296.9	100.0

Coefficient of Utilization



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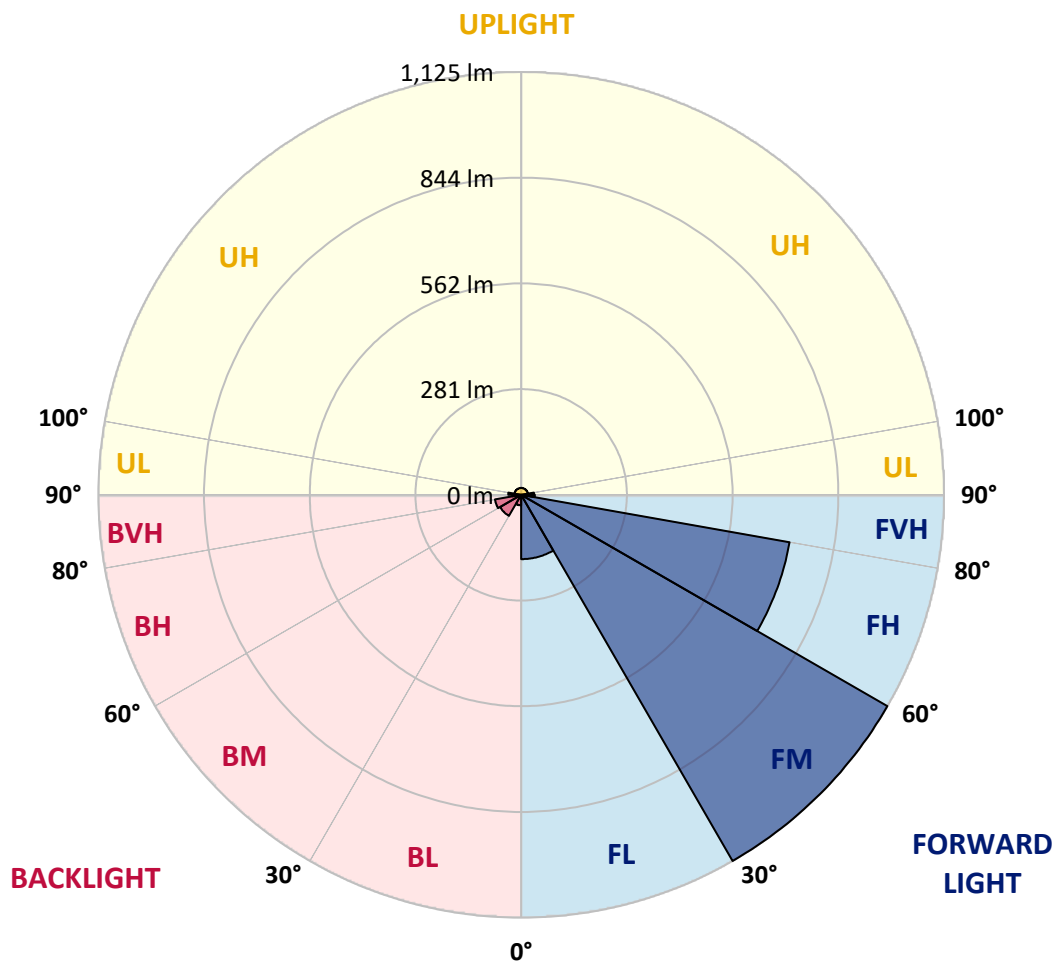
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	171.1	7.4			
FM	(30°-60°)	1124.8	49.0			
FH	(60°-80°)	725.0	31.6			G1/1800
FVH	(80°-90°)	36.3	1.6			G1/100
BL	(0°-30°)	28.0	1.2	B0/110		
BM	(30°-60°)	64.7	2.8	B0/220		
BH	(60°-80°)	70.9	3.1	B0/110		G0/110
BVH	(80°-90°)	23.7	1.0			G1/100
UL	(90°-100°)	34.4	1.5		U2/50	
UH	(100°-180°)	18.2	0.8		U2/50	

BUG Rating: B0-U2-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5
2.5°	348.7	370.6	377.2	388.1	393.6	387.0	375.0	359.6	343.2	338.8	324.5
5°	395.8	391.4	388.1	388.1	381.6	367.3	354.1	394.7	369.5	364.0	335.5
7.5°	359.6	393.6	418.8	421.0	417.7	406.8	388.1	346.5	351.9	345.4	310.3
10°	435.3	436.4	432.0	435.3	404.6	389.2	328.9	303.7	284.0	310.3	278.5
12.5°	360.7	414.4	445.1	456.1	417.7	367.3	336.6	323.4	251.1	244.5	252.2
15°	440.8	443.0	446.2	435.3	338.8	384.8	312.5	288.4	325.6	316.9	311.4
17.5°	348.7	353.0	427.6	423.2	392.5	304.8	371.7	331.1	302.6	291.6	284.0
20°	444.0	445.1	444.0	336.6	366.2	410.1	349.8	338.8	375.0	370.6	350.9
22.5°	372.8	372.8	398.0	432.0	384.8	411.2	356.3	422.1	348.7	346.5	260.9
25°	515.3	515.3	497.8	381.6	436.4	387.0	423.2	379.4	450.6	435.3	391.4
27.5°	501.1	485.7	458.3	481.3	422.1	484.6	410.1	462.7	496.7	510.9	487.9
30°	696.2	696.2	666.6	515.3	494.5	468.2	473.7	553.7	680.9	683.1	589.9
32.5°	942.9	925.4	768.6	664.4	540.5	587.7	535.1	651.3	740.1	736.8	627.1
35°	1043.8	1038.3	990.1	815.7	626.1	643.6	603.0	688.5	820.1	798.2	672.1
37.5°	1146.8	1138.1	1088.7	901.3	716.0	739.0	653.5	743.4	893.6	861.8	721.4
40°	1210.4	1211.5	1176.5	969.2	787.2	799.3	713.8	810.3	952.8	959.4	764.2
42.5°	1277.3	1276.2	1247.7	1049.3	846.4	861.8	762.0	873.8	1032.8	1040.5	836.6
45°	1313.5	1311.3	1294.9	1104.1	893.6	904.5	836.6	951.7	1130.4	1128.2	895.8
47.5°	1322.3	1325.6	1324.5	1157.8	942.9	947.3	903.4	1008.7	1248.8	1224.7	973.6
50°	1272.9	1275.1	1290.5	1200.6	979.1	983.5	956.1	1073.4	1348.6	1320.1	1043.8
52.5°	1135.9	1149.0	1213.7	1174.3	994.4	1010.9	1005.4	1122.7	1470.3	1435.2	1130.4
55°	844.2	874.9	1023.0	1075.6	986.8	1012.0	1049.3	1212.6	1581.0	1538.3	1200.6
57.5°	673.2	678.7	766.4	911.1	924.3	1006.5	1095.3	1267.5	1650.1	1607.3	1251.0
60°	531.8	540.5	597.5	713.8	807.0	973.6	1108.5	1323.4	1704.9	1668.7	1306.9
62.5°	412.3	411.2	455.0	532.9	650.2	904.5	1090.9	1357.4	1775.1	1747.7	1406.7
65°	287.3	287.3	324.5	387.0	492.3	780.6	1055.8	1405.6	1894.6	1886.9	1530.6
67.5°	196.3	200.6	225.9	256.6	337.7	634.8	1003.2	1454.9	2068.9	2032.8	1650.1
70°	143.6	143.6	153.5	169.9	210.5	473.7	908.9	1456.0	2196.1	2158.8	1712.6
72.5°	106.4	106.4	114.0	121.7	132.7	314.7	745.6	1363.9	2163.2	2104.0	1585.4
75°	55.9	55.9	86.6	89.9	88.8	203.9	550.4	1120.5	1828.8	1730.1	1241.1
77.5°	43.9	45.0	49.3	70.2	64.7	133.8	307.0	689.6	1181.9	1061.3	672.1
80°	31.8	30.7	38.4	45.0	38.4	77.8	144.7	302.6	418.8	362.9	221.5
82.5°	18.6	19.7	23.0	32.9	32.9	54.8	94.3	132.7	150.2	149.1	132.7
85°	2.2	3.3	12.1	21.9	19.7	31.8	78.9	92.1	118.4	120.6	118.4
87.5°	2.2	2.2	3.3	4.4	5.5	20.8	66.9	80.0	109.6	117.3	118.4
90°	4.4	3.3	2.2	2.2	3.3	16.4	62.5	82.2	116.2	118.4	123.9
92.5°	5.5	4.4	2.2	1.1	3.3	13.2	59.2	82.2	120.6	128.3	133.8
95°	7.7	6.6	2.2	1.1	3.3	11.0	50.4	77.8	126.1	139.2	144.7
97.5°	9.9	8.8	2.2	2.2	3.3	8.8	39.5	61.4	83.3	94.3	102.0
100°	11.0	11.0	2.2	2.2	3.3	5.5	19.7	34.0	26.3	25.2	28.5
102.5°	12.1	12.1	2.2	2.2	2.2	3.3	6.6	14.3	5.5	5.5	8.8
105°	12.1	12.1	2.2	2.2	2.2	2.2	2.2	5.5	4.4	5.5	9.9
107.5°	11.0	12.1	2.2	3.3	3.3	2.2	2.2	2.2	4.4	6.6	9.9
110°	9.9	9.9	2.2	3.3	3.3	2.2	1.1	2.2	4.4	6.6	11.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7.7	5.5	1.1	3.3	2.2	2.2	1.1	2.2	5.5	7.7	11.0
115°	3.3	2.2	1.1	2.2	2.2	2.2	1.1	2.2	5.5	8.8	11.0
117.5°	2.2	1.1	1.1	1.1	1.1	2.2	1.1	3.3	7.7	9.9	13.2
120°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	9.9	11.0	15.3
122.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	9.9	11.0	15.3
125°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	7.7	9.9	13.2
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	5.5	7.7	11.0
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	5.5	6.6	8.8
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	3.3	4.4	6.6
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	4.4
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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	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	3.3	5.5	4.4	2.2	1.1	2.2	1.1	1.1	1.1	1.1
152.5°	5.5	5.5	4.4	4.4	1.1	1.1	2.2	2.2	1.1	1.1	1.1
155°	4.4	4.4	3.3	1.1	1.1	1.1	1.1	2.2	3.3	4.4	3.3
157.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	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°	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5	312.5
2.5°	313.6	302.6	278.5	259.9	240.1	229.2	208.3	190.8	177.6	175.4	175.4
5°	313.6	291.6	248.9	202.8	160.1	138.1	126.1	118.4	112.9	110.7	109.6
7.5°	280.7	252.2	195.2	141.4	122.8	103.1	88.8	77.8	68.0	64.7	61.4
10°	245.6	210.5	132.7	97.6	77.8	64.7	58.1	54.8	51.5	50.4	50.4
12.5°	218.2	182.0	106.4	80.0	54.8	46.0	43.9	41.7	40.6	39.5	38.4
15°	266.4	218.2	110.7	54.8	38.4	32.9	30.7	31.8	34.0	34.0	34.0
17.5°	246.7	191.9	92.1	41.7	31.8	24.1	26.3	28.5	30.7	27.4	26.3
20°	294.9	225.9	89.9	32.9	26.3	24.1	23.0	19.7	25.2	25.2	25.2
22.5°	213.8	171.0	68.0	30.7	21.9	20.8	17.5	19.7	20.8	17.5	17.5
25°	316.9	222.6	66.9	24.1	21.9	16.4	17.5	14.3	17.5	17.5	17.5
27.5°	392.5	263.1	59.2	25.2	18.6	16.4	13.2	14.3	13.2	13.2	13.2
30°	467.1	296.0	53.7	25.2	17.5	13.2	12.1	11.0	13.2	13.2	13.2
32.5°	489.0	288.4	42.8	26.3	16.4	12.1	9.9	11.0	11.0	12.1	12.1
35°	514.2	281.8	36.2	23.0	15.3	11.0	8.8	9.9	11.0	12.1	12.1
37.5°	538.3	270.8	32.9	20.8	13.2	9.9	7.7	8.8	23.0	25.2	25.2
40°	569.0	257.7	30.7	18.6	11.0	7.7	6.6	17.5	20.8	24.1	24.1
42.5°	612.9	250.0	28.5	17.5	9.9	6.6	6.6	15.3	29.6	32.9	32.9
45°	649.1	236.8	27.4	15.3	8.8	5.5	11.0	20.8	24.1	30.7	29.6
47.5°	694.0	224.8	26.3	14.3	7.7	5.5	12.1	21.9	30.7	35.1	35.1
50°	742.3	218.2	25.2	13.2	7.7	5.5	20.8	20.8	25.2	39.5	39.5
52.5°	803.7	213.8	23.0	11.0	6.6	11.0	28.5	25.2	30.7	40.6	40.6
55°	833.3	199.5	21.9	9.9	5.5	11.0	30.7	28.5	31.8	42.8	42.8
57.5°	859.6	185.3	19.7	9.9	5.5	14.3	32.9	36.2	30.7	37.3	41.7
60°	883.7	171.0	17.5	8.8	5.5	17.5	36.2	50.4	42.8	50.4	50.4
62.5°	939.6	160.1	15.3	9.9	4.4	19.7	47.1	61.4	48.2	61.4	60.3
65°	992.3	146.9	14.3	8.8	5.5	23.0	51.5	71.3	52.6	71.3	71.3
67.5°	1013.1	130.5	13.2	8.8	5.5	26.3	51.5	78.9	62.5	80.0	81.1
70°	976.9	107.4	12.1	9.9	6.6	29.6	53.7	84.4	66.9	93.2	93.2
72.5°	830.0	73.5	12.1	11.0	13.2	32.9	63.6	87.7	70.2	111.8	112.9
75°	619.5	41.7	13.2	12.1	14.3	37.3	70.2	91.0	73.5	112.9	112.9
77.5°	353.0	28.5	13.2	14.3	17.5	37.3	73.5	94.3	72.4	110.7	108.5
80°	122.8	20.8	13.2	16.4	21.9	37.3	74.6	93.2	70.2	103.1	103.1
82.5°	83.3	17.5	13.2	16.4	26.3	39.5	73.5	87.7	62.5	86.6	83.3
85°	77.8	14.3	14.3	17.5	28.5	39.5	66.9	75.7	52.6	64.7	63.6
87.5°	76.7	13.2	16.4	18.6	30.7	36.2	57.0	62.5	42.8	52.6	51.5
90°	80.0	13.2	17.5	19.7	28.5	29.6	46.0	52.6	35.1	41.7	40.6
92.5°	85.5	13.2	18.6	21.9	25.2	21.9	37.3	41.7	29.6	31.8	30.7
95°	91.0	13.2	20.8	23.0	20.8	16.4	28.5	34.0	24.1	23.0	23.0
97.5°	60.3	9.9	21.9	23.0	17.5	12.1	21.9	26.3	14.3	12.1	12.1
100°	19.7	7.7	23.0	24.1	16.4	8.8	18.6	19.7	11.0	5.5	5.5
102.5°	8.8	7.7	20.8	20.8	14.3	6.6	13.2	14.3	7.7	2.2	2.2
105°	7.7	4.4	12.1	15.3	9.9	3.3	6.6	7.7	4.4	2.2	2.2
107.5°	8.8	4.4	6.6	8.8	4.4	3.3	3.3	3.3	2.2	2.2	2.2
110°	8.8	4.4	3.3	5.5	4.4	3.3	2.2	2.2	2.2	3.3	3.3

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CATALOG NUMBER: SDL-PA1-30-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	4.4	3.3	4.4	3.3	3.3	2.2	2.2	4.4	7.7	7.7
115°	9.9	4.4	3.3	4.4	3.3	3.3	2.2	1.1	4.4	11.0	12.1
117.5°	11.0	5.5	2.2	3.3	2.2	2.2	2.2	1.1	5.5	14.3	14.3
120°	13.2	5.5	2.2	2.2	2.2	1.1	2.2	2.2	5.5	15.3	15.3
122.5°	13.2	6.6	2.2	2.2	2.2	1.1	1.1	2.2	6.6	14.3	15.3
125°	11.0	5.5	2.2	2.2	2.2	1.1	1.1	2.2	6.6	13.2	15.3
127.5°	8.8	5.5	2.2	2.2	2.2	1.1	1.1	2.2	6.6	11.0	12.1
130°	7.7	4.4	2.2	2.2	2.2	1.1	1.1	2.2	5.5	8.8	9.9
132.5°	5.5	3.3	2.2	2.2	2.2	1.1	1.1	1.1	5.5	8.8	8.8
135°	4.4	3.3	2.2	2.2	2.2	1.1	1.1	1.1	4.4	6.6	6.6
137.5°	2.2	1.1	2.2	2.2	2.2	1.1	1.1	1.1	3.3	3.3	3.3
140°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	2.2	1.1
142.5°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
145°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	1.1	1.1	2.2	1.1	1.1	1.1	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	1.1	1.1
155°	2.2	2.2	1.1	2.2	1.1	1.1	0.0	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	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

(END OF REPORT)