

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: P560271

Luminaire Tested: **SDL-PA1-30-827-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560271
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-PA1-30-827-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 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: 2124.8 lumens
Efficiency: N/A
Efficacy: 70.6 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



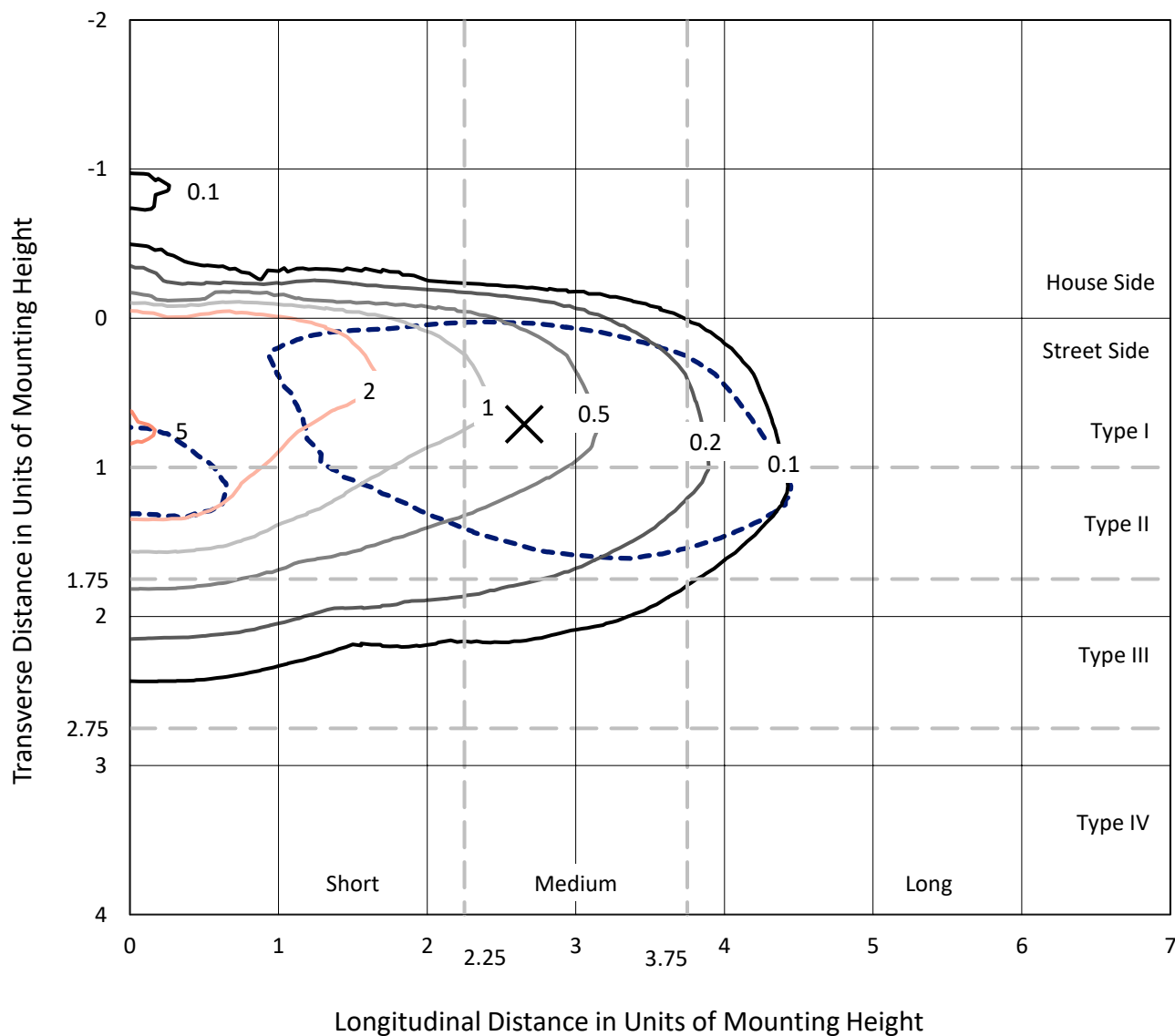
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

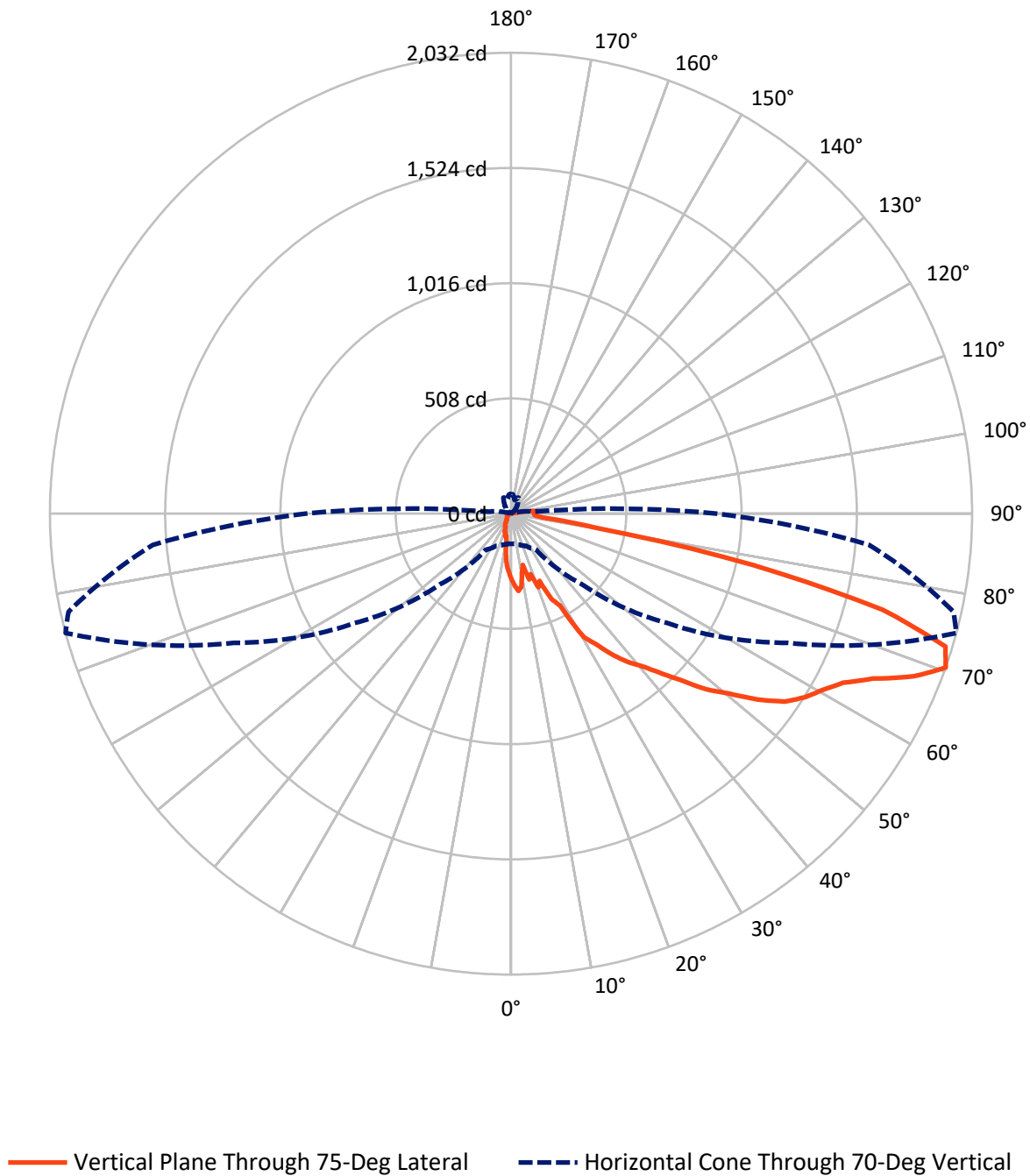


Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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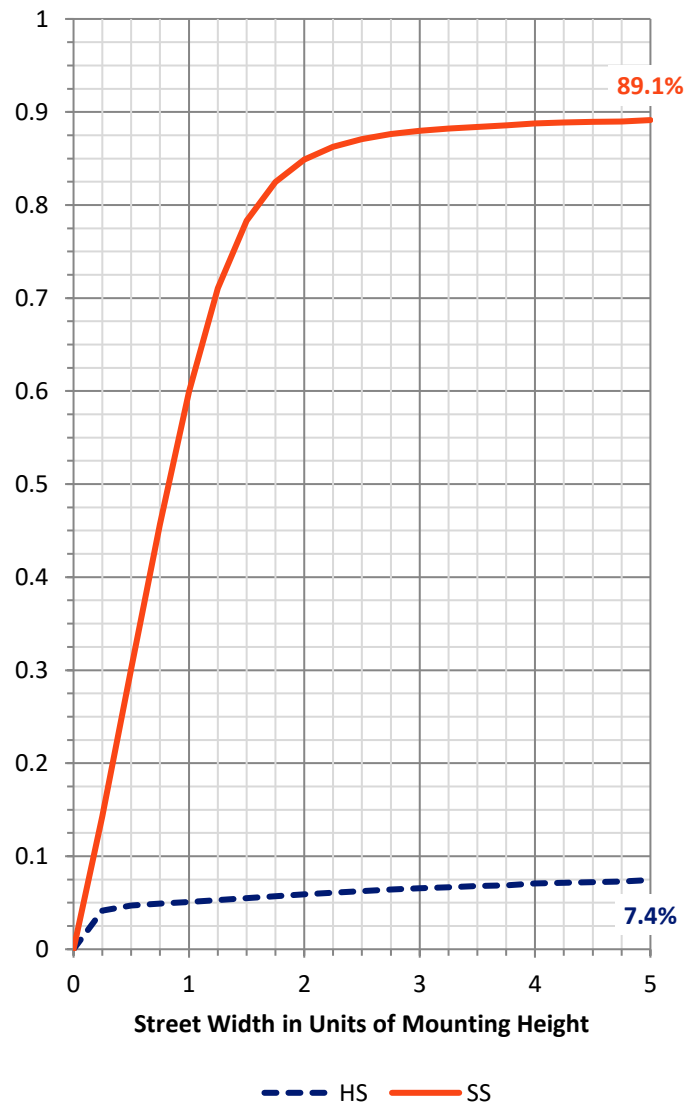
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	173.1	21.5	194.6
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	1903.1	27.0	1930.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	2076.3	48.5	2124.8
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	1.1
10°-20°	56.0	2.6
20°-30°	105.2	4.9
30°-40°	236.0	11.1
40°-50°	388.4	18.3
50°-60°	476.1	22.4
60°-70°	445.9	21.0
70°-80°	290.4	13.7
80°-90°	55.5	2.6
90°-100°	31.8	1.5
100°-110°	7.1	0.3
110°-120°	3.6	0.2
120°-130°	3.1	0.1
130°-140°	1.5	0.1
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°	2076.3	97.7
0°-180°	2124.8	100.0

Coefficient of Utilization



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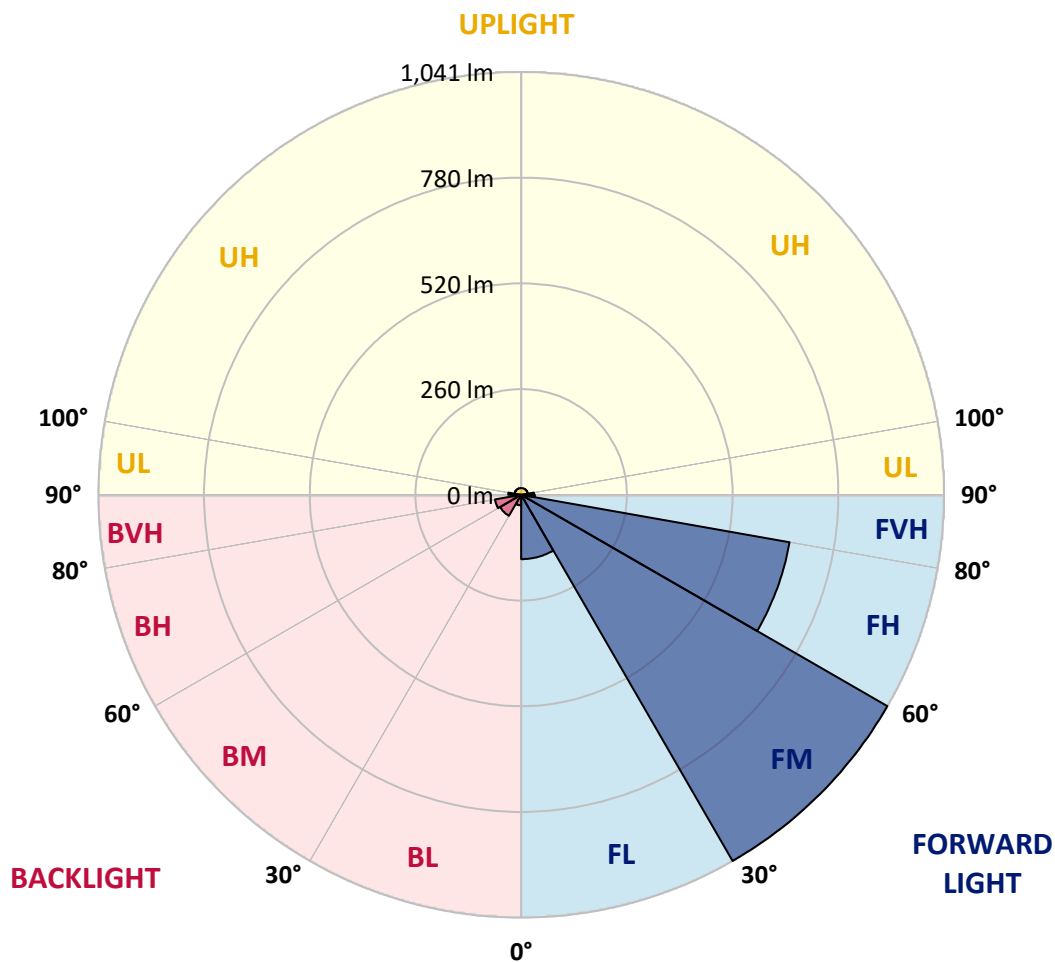
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.3	7.4			
FM	(30°-60°)	1040.6	49.0			
FH	(60°-80°)	670.7	31.6			G1/1800
FVH	(80°-90°)	33.6	1.6			G1/100
BL	(0°-30°)	25.9	1.2	B0/110		
BM	(30°-60°)	59.8	2.8	B0/220		
BH	(60°-80°)	65.6	3.1	B0/110		G0/110
BVH	(80°-90°)	21.9	1.0			G1/100
UL	(90°-100°)	31.8	1.5		U2/50	
UH	(100°-180°)	16.7	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°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	322.5	342.8	348.9	359.1	364.1	358.0	346.9	332.7	317.5	313.4	300.2
5°	366.2	362.1	359.1	359.1	353.0	339.8	327.6	365.1	341.8	336.7	310.4
7.5°	332.7	364.1	387.5	389.5	386.4	376.3	359.1	320.5	325.6	319.5	287.0
10°	402.7	403.7	399.6	402.7	374.3	360.1	304.3	281.0	262.7	287.0	257.6
12.5°	333.7	383.4	411.8	421.9	386.4	339.8	311.4	299.2	232.3	226.2	233.3
15°	407.7	409.8	412.8	402.7	313.4	356.0	289.1	266.8	301.2	293.1	288.1
17.5°	322.5	326.6	395.6	391.5	363.1	282.0	343.8	306.3	279.9	269.8	262.7
20°	410.8	411.8	410.8	311.4	338.8	379.3	323.6	313.4	346.9	342.8	324.6
22.5°	344.9	344.9	368.2	399.6	356.0	380.4	329.6	390.5	322.5	320.5	241.4
25°	476.7	476.7	460.5	353.0	403.7	358.0	391.5	350.9	416.9	402.7	362.1
27.5°	463.5	449.3	424.0	445.3	390.5	448.3	379.3	428.0	459.5	472.7	451.4
30°	644.1	644.1	616.7	476.7	457.4	433.1	438.2	512.2	629.9	631.9	545.7
32.5°	872.3	856.1	711.0	614.7	500.0	543.7	495.0	602.5	684.6	681.6	580.2
35°	965.6	960.5	915.9	754.6	579.2	595.4	557.9	637.0	758.7	738.4	621.8
37.5°	1060.9	1052.8	1007.2	833.7	662.3	683.6	604.5	687.7	826.6	797.2	667.4
40°	1119.8	1120.8	1088.3	896.6	728.3	739.4	660.3	749.6	881.4	887.5	707.0
42.5°	1181.6	1180.6	1154.3	970.7	783.0	797.2	704.9	808.4	955.5	962.6	773.9
45°	1215.1	1213.1	1197.9	1021.4	826.6	836.8	773.9	880.4	1045.7	1043.7	828.7
47.5°	1223.2	1226.3	1225.3	1071.1	872.3	876.3	835.8	933.1	1155.3	1133.0	900.7
50°	1177.6	1179.6	1193.8	1110.6	905.8	909.8	884.5	993.0	1247.6	1221.2	965.6
52.5°	1050.8	1063.0	1122.8	1086.3	920.0	935.2	930.1	1038.6	1360.2	1327.7	1045.7
55°	781.0	809.4	946.3	995.0	912.9	936.2	970.7	1121.8	1462.6	1423.0	1110.6
57.5°	622.8	627.8	709.0	842.9	855.0	931.1	1013.3	1172.5	1526.5	1486.9	1157.3
60°	491.9	500.0	552.8	660.3	746.5	900.7	1025.4	1224.2	1577.2	1543.7	1209.0
62.5°	381.4	380.4	420.9	492.9	601.5	836.8	1009.2	1255.7	1642.1	1616.8	1301.3
65°	265.7	265.7	300.2	358.0	455.4	722.2	976.8	1300.3	1752.7	1745.6	1415.9
67.5°	181.6	185.6	208.9	237.3	312.4	587.3	928.1	1346.0	1914.0	1880.5	1526.5
70°	132.9	132.9	142.0	157.2	194.7	438.2	840.8	1347.0	2031.6	1997.1	1584.3
72.5°	98.4	98.4	105.5	112.6	122.7	291.1	689.7	1261.8	2001.2	1946.4	1466.7
75°	51.7	51.7	80.1	83.2	82.2	188.7	509.2	1036.6	1691.8	1600.5	1148.2
77.5°	40.6	41.6	45.6	64.9	59.8	123.7	284.0	638.0	1093.4	981.8	621.8
80°	29.4	28.4	35.5	41.6	35.5	72.0	133.9	279.9	387.5	335.7	204.9
82.5°	17.2	18.3	21.3	30.4	30.4	50.7	87.2	122.7	139.0	137.9	122.7
85°	2.0	3.0	11.2	20.3	18.3	29.4	73.0	85.2	109.5	111.6	109.5
87.5°	2.0	2.0	3.0	4.1	5.1	19.3	61.9	74.0	101.4	108.5	109.5
90°	4.1	3.0	2.0	2.0	3.0	15.2	57.8	76.1	107.5	109.5	114.6
92.5°	5.1	4.1	2.0	1.0	3.0	12.2	54.8	76.1	111.6	118.7	123.7
95°	7.1	6.1	2.0	1.0	3.0	10.1	46.7	72.0	116.6	128.8	133.9
97.5°	9.1	8.1	2.0	2.0	3.0	8.1	36.5	56.8	77.1	87.2	94.3
100°	10.1	10.1	2.0	2.0	3.0	5.1	18.3	31.4	24.3	23.3	26.4
102.5°	11.2	11.2	2.0	2.0	2.0	3.0	6.1	13.2	5.1	5.1	8.1
105°	11.2	11.2	2.0	2.0	2.0	2.0	2.0	5.1	4.1	5.1	9.1
107.5°	10.1	11.2	2.0	3.0	3.0	2.0	2.0	2.0	4.1	6.1	9.1
110°	9.1	9.1	2.0	3.0	3.0	2.0	1.0	2.0	4.1	6.1	10.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	7.1	5.1	1.0	3.0	2.0	2.0	1.0	2.0	5.1	7.1	10.1
115°	3.0	2.0	1.0	2.0	2.0	2.0	1.0	2.0	5.1	8.1	10.1
117.5°	2.0	1.0	1.0	1.0	1.0	2.0	1.0	3.0	7.1	9.1	12.2
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	9.1	10.1	14.2
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	9.1	10.1	14.2
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	7.1	9.1	12.2
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1	7.1	10.1
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	5.1	6.1	8.1
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	4.1	6.1
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.1
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	3.0	5.1	4.1	2.0	1.0	2.0	1.0	1.0	1.0	1.0
152.5°	5.1	5.1	4.1	4.1	1.0	1.0	2.0	2.0	1.0	1.0	1.0
155°	4.1	4.1	3.0	1.0	1.0	1.0	1.0	2.0	3.0	4.1	3.0
157.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1	289.1
2.5°	290.1	279.9	257.6	240.4	222.1	212.0	192.7	176.5	164.3	162.3	162.3
5°	290.1	269.8	230.2	187.6	148.1	127.8	116.6	109.5	104.5	102.4	101.4
7.5°	259.7	233.3	180.5	130.8	113.6	95.3	82.2	72.0	62.9	59.8	56.8
10°	227.2	194.7	122.7	90.3	72.0	59.8	53.8	50.7	47.7	46.7	46.7
12.5°	201.8	168.4	98.4	74.0	50.7	42.6	40.6	38.5	37.5	36.5	35.5
15°	246.5	201.8	102.4	50.7	35.5	30.4	28.4	29.4	31.4	31.4	31.4
17.5°	228.2	177.5	85.2	38.5	29.4	22.3	24.3	26.4	28.4	25.4	24.3
20°	272.8	208.9	83.2	30.4	24.3	22.3	21.3	18.3	23.3	23.3	23.3
22.5°	197.8	158.2	62.9	28.4	20.3	19.3	16.2	18.3	19.3	16.2	16.2
25°	293.1	205.9	61.9	22.3	20.3	15.2	16.2	13.2	16.2	16.2	16.2
27.5°	363.1	243.4	54.8	23.3	17.2	15.2	12.2	13.2	12.2	12.2	12.2
30°	432.1	273.9	49.7	23.3	16.2	12.2	11.2	10.1	12.2	12.2	12.2
32.5°	452.4	266.8	39.6	24.3	15.2	11.2	9.1	10.1	10.1	11.2	11.2
35°	475.7	260.7	33.5	21.3	14.2	10.1	8.1	9.1	10.1	11.2	11.2
37.5°	498.0	250.5	30.4	19.3	12.2	9.1	7.1	8.1	21.3	23.3	23.3
40°	526.4	238.4	28.4	17.2	10.1	7.1	6.1	16.2	19.3	22.3	22.3
42.5°	567.0	231.3	26.4	16.2	9.1	6.1	6.1	14.2	27.4	30.4	30.4
45°	600.5	219.1	25.4	14.2	8.1	5.1	10.1	19.3	22.3	28.4	27.4
47.5°	642.0	207.9	24.3	13.2	7.1	5.1	11.2	20.3	28.4	32.5	32.5
50°	686.7	201.8	23.3	12.2	7.1	5.1	19.3	19.3	23.3	36.5	36.5
52.5°	743.5	197.8	21.3	10.1	6.1	10.1	26.4	23.3	28.4	37.5	37.5
55°	770.9	184.6	20.3	9.1	5.1	10.1	28.4	26.4	29.4	39.6	39.6
57.5°	795.2	171.4	18.3	9.1	5.1	13.2	30.4	33.5	28.4	34.5	38.5
60°	817.5	158.2	16.2	8.1	5.1	16.2	33.5	46.7	39.6	46.7	46.7
62.5°	869.2	148.1	14.2	9.1	4.1	18.3	43.6	56.8	44.6	56.8	55.8
65°	917.9	135.9	13.2	8.1	5.1	21.3	47.7	65.9	48.7	65.9	65.9
67.5°	937.2	120.7	12.2	8.1	5.1	24.3	47.7	73.0	57.8	74.0	75.1
70°	903.7	99.4	11.2	9.1	6.1	27.4	49.7	78.1	61.9	86.2	86.2
72.5°	767.8	68.0	11.2	10.1	12.2	30.4	58.8	81.1	64.9	103.5	104.5
75°	573.1	38.5	12.2	11.2	13.2	34.5	64.9	84.2	68.0	104.5	104.5
77.5°	326.6	26.4	12.2	13.2	16.2	34.5	68.0	87.2	66.9	102.4	100.4
80°	113.6	19.3	12.2	15.2	20.3	34.5	69.0	86.2	64.9	95.3	95.3
82.5°	77.1	16.2	12.2	15.2	24.3	36.5	68.0	81.1	57.8	80.1	77.1
85°	72.0	13.2	13.2	16.2	26.4	36.5	61.9	70.0	48.7	59.8	58.8
87.5°	71.0	12.2	15.2	17.2	28.4	33.5	52.7	57.8	39.6	48.7	47.7
90°	74.0	12.2	16.2	18.3	26.4	27.4	42.6	48.7	32.5	38.5	37.5
92.5°	79.1	12.2	17.2	20.3	23.3	20.3	34.5	38.5	27.4	29.4	28.4
95°	84.2	12.2	19.3	21.3	19.3	15.2	26.4	31.4	22.3	21.3	21.3
97.5°	55.8	9.1	20.3	21.3	16.2	11.2	20.3	24.3	13.2	11.2	11.2
100°	18.3	7.1	21.3	22.3	15.2	8.1	17.2	18.3	10.1	5.1	5.1
102.5°	8.1	7.1	19.3	19.3	13.2	6.1	12.2	13.2	7.1	2.0	2.0
105°	7.1	4.1	11.2	14.2	9.1	3.0	6.1	7.1	4.1	2.0	2.0
107.5°	8.1	4.1	6.1	8.1	4.1	3.0	3.0	3.0	2.0	2.0	2.0
110°	8.1	4.1	3.0	5.1	4.1	3.0	2.0	2.0	2.0	3.0	3.0

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CATALOG NUMBER: SDL-PA1-30-827-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	4.1	3.0	4.1	3.0	3.0	2.0	2.0	4.1	7.1	7.1
115°	9.1	4.1	3.0	4.1	3.0	3.0	2.0	1.0	4.1	10.1	11.2
117.5°	10.1	5.1	2.0	3.0	2.0	2.0	2.0	1.0	5.1	13.2	13.2
120°	12.2	5.1	2.0	2.0	2.0	1.0	2.0	2.0	5.1	14.2	14.2
122.5°	12.2	6.1	2.0	2.0	2.0	1.0	1.0	2.0	6.1	13.2	14.2
125°	10.1	5.1	2.0	2.0	2.0	1.0	1.0	2.0	6.1	12.2	14.2
127.5°	8.1	5.1	2.0	2.0	2.0	1.0	1.0	2.0	6.1	10.1	11.2
130°	7.1	4.1	2.0	2.0	2.0	1.0	1.0	2.0	5.1	8.1	9.1
132.5°	5.1	3.0	2.0	2.0	2.0	1.0	1.0	1.0	5.1	8.1	8.1
135°	4.1	3.0	2.0	2.0	2.0	1.0	1.0	1.0	4.1	6.1	6.1
137.5°	2.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	3.0	3.0	3.0
140°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	1.0
142.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
155°	2.0	2.0	1.0	2.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0
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)