

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: P560821

Luminaire Tested: **SDL-PA1-60-830-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560821
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-PA1-60-830-U-T2R-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4528.3 lumens
Efficiency: N/A
Efficacy: 72.6 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: B1 - U3 - G1

Input Watts (W): 62.4
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



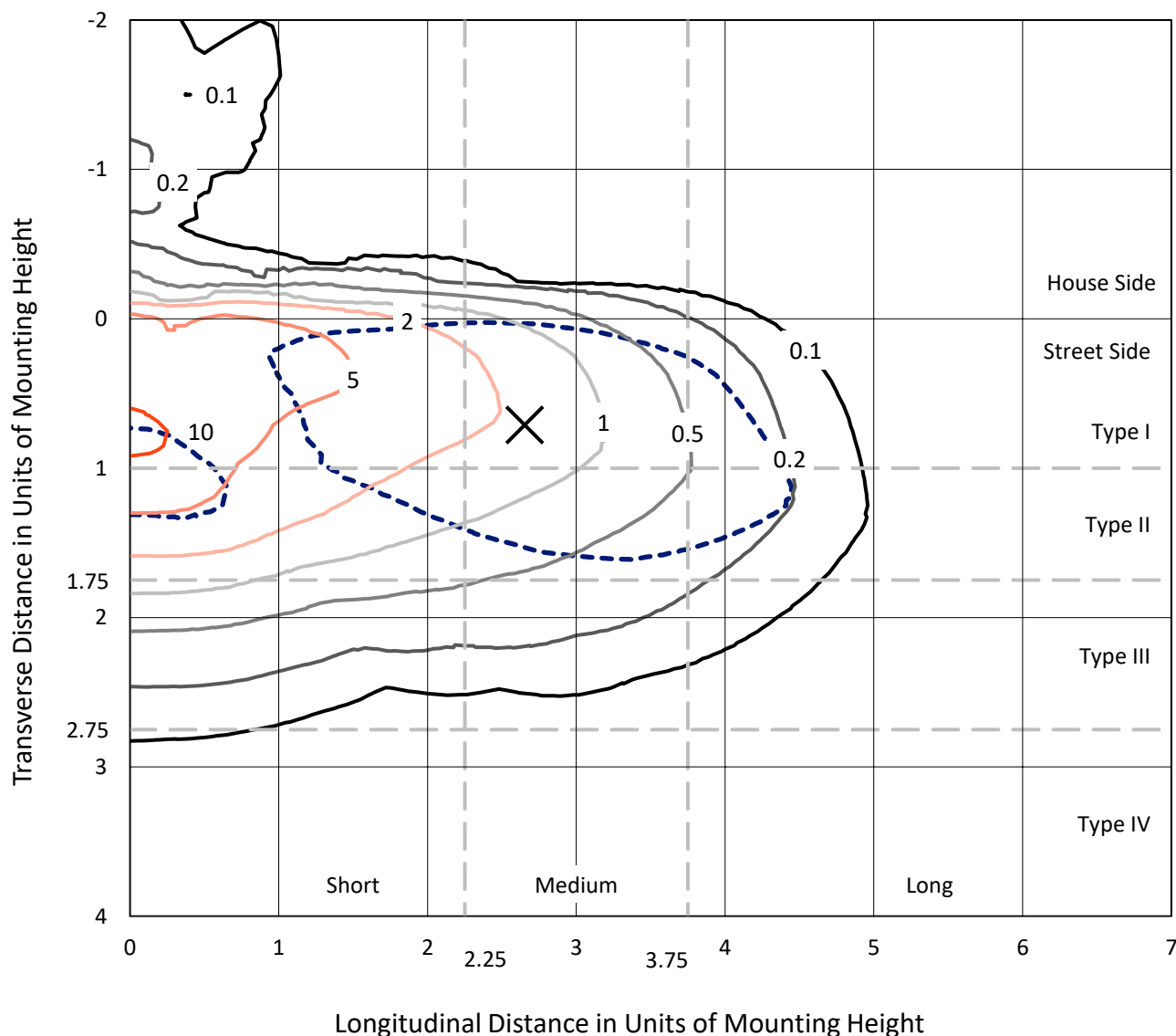
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

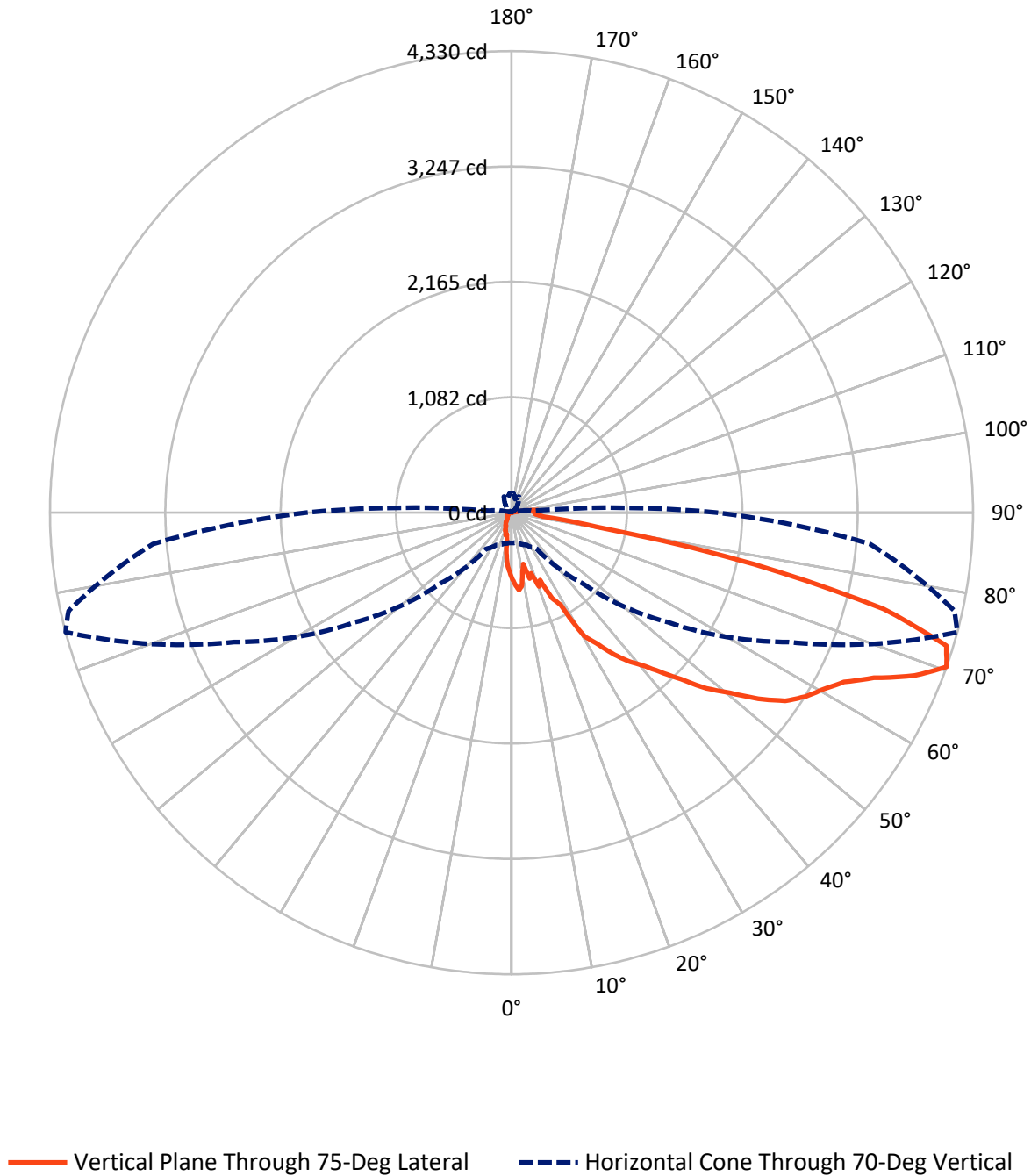


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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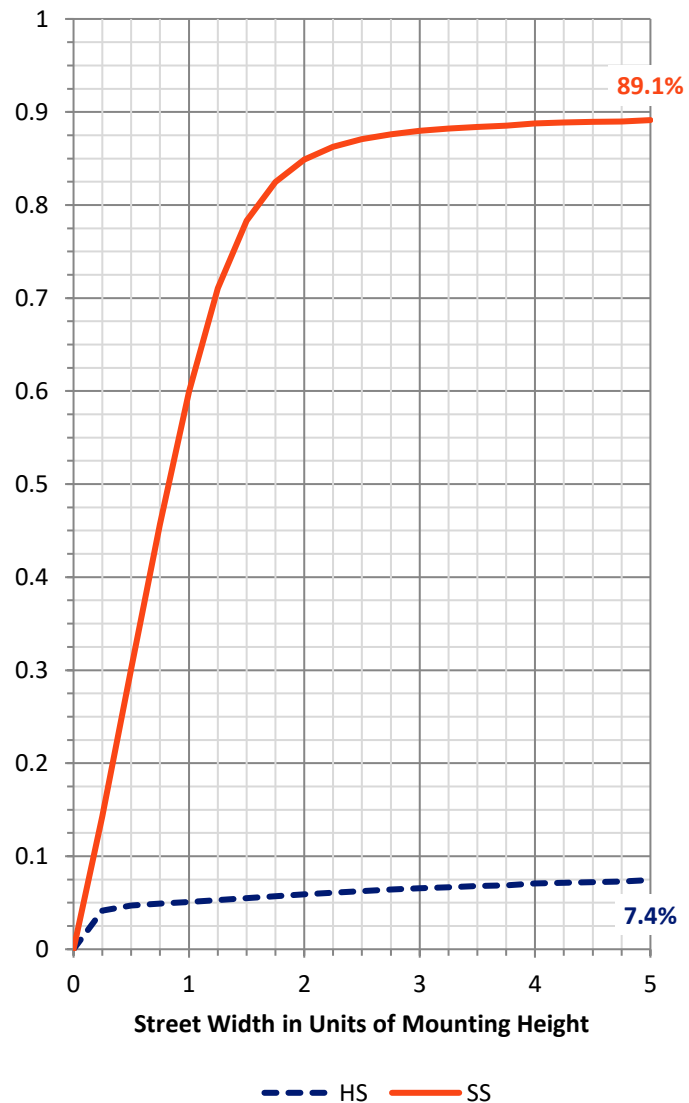
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	369.0	45.8	414.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	4055.8	57.7	4113.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	4424.7	103.6	4528.3
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	1.1
10°-20°	119.4	2.6
20°-30°	224.1	4.9
30°-40°	502.9	11.1
40°-50°	827.7	18.3
50°-60°	1014.6	22.4
60°-70°	950.2	21.0
70°-80°	618.8	13.7
80°-90°	118.2	2.6
90°-100°	67.8	1.5
100°-110°	15.2	0.3
110°-120°	7.7	0.2
120°-130°	6.5	0.1
130°-140°	3.2	0.1
140°-150°	1.6	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4424.7	97.7
0°-180°	4528.3	100.0

Coefficient of Utilization



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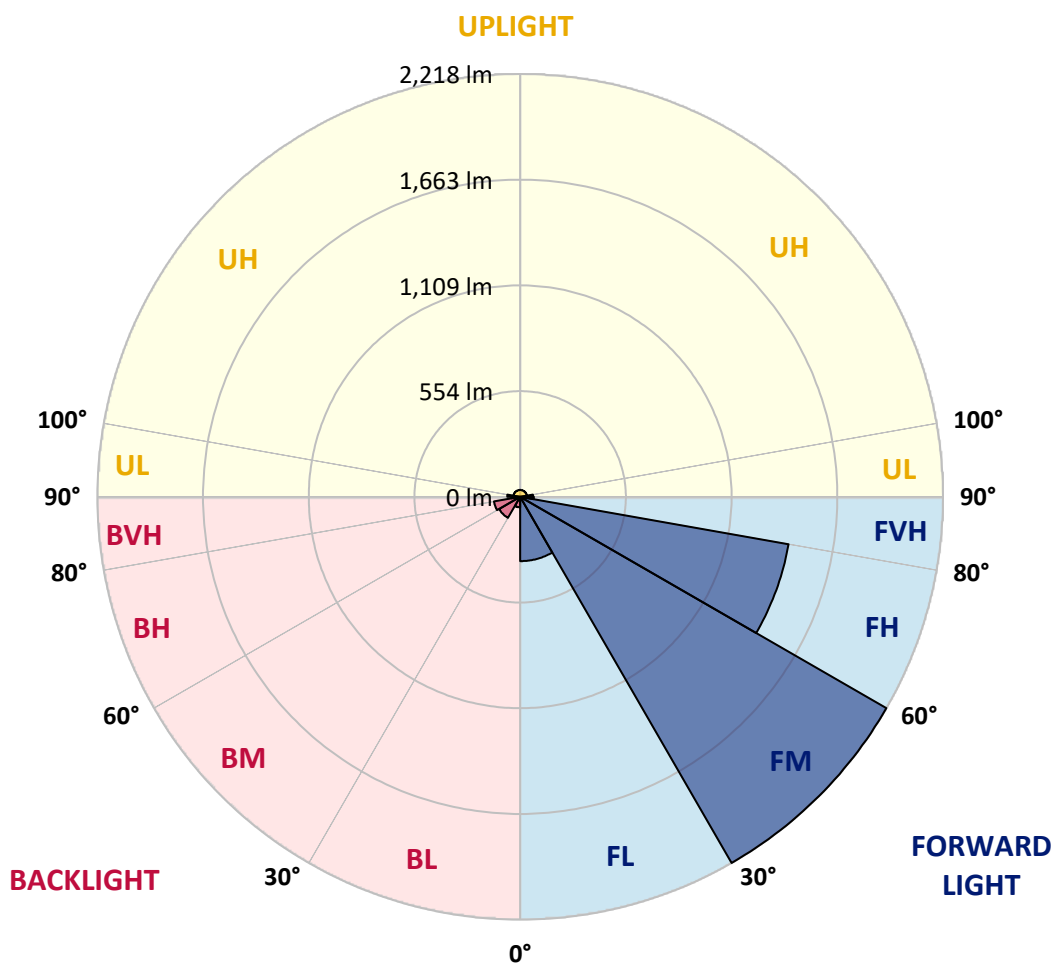
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.3	7.4			
FM	(30°-60°)	2217.6	49.0			
FH	(60°-80°)	1429.3	31.6			G1/1800
FVH	(80°-90°)	71.6	1.6			G1/100
BL	(0°-30°)	55.1	1.2	B0/110		
BM	(30°-60°)	127.5	2.8	B0/220		
BH	(60°-80°)	139.7	3.1	B1/500		G1/500
BVH	(80°-90°)	46.6	1.0			G1/100
UL	(90°-100°)	67.8	1.5		U3/500	
UH	(100°-180°)	35.8	0.8		U2/50	

BUG Rating: B1-U3-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
2.5°	687.4	730.6	743.6	765.2	776.0	763.0	739.3	709.0	676.6	667.9	639.8
5°	780.3	771.7	765.2	765.2	752.2	724.1	698.2	778.2	728.4	717.6	661.4
7.5°	709.0	776.0	825.7	830.0	823.6	801.9	765.2	683.1	693.9	680.9	611.7
10°	858.1	860.3	851.7	858.1	797.6	767.4	648.5	598.8	559.8	611.7	549.0
12.5°	711.2	817.1	877.6	899.2	823.6	724.1	663.6	637.7	495.0	482.0	497.2
15°	868.9	873.3	879.8	858.1	667.9	758.7	616.0	568.5	642.0	624.7	613.9
17.5°	687.4	696.0	843.0	834.4	773.8	600.9	732.8	652.8	596.6	575.0	559.8
20°	875.4	877.6	875.4	663.6	722.0	808.4	689.5	667.9	739.3	730.6	691.7
22.5°	734.9	734.9	784.6	851.7	758.7	810.6	702.5	832.2	687.4	683.1	514.5
25°	1015.9	1015.9	981.4	752.2	860.3	763.0	834.4	747.9	888.4	858.1	771.7
27.5°	987.8	957.6	903.5	948.9	832.2	955.4	808.4	912.2	979.2	1007.3	961.9
30°	1372.6	1372.6	1314.2	1015.9	974.9	923.0	933.8	1091.6	1342.3	1346.7	1162.9
32.5°	1858.9	1824.4	1515.3	1309.9	1065.7	1158.6	1054.8	1284.0	1459.1	1452.6	1236.4
35°	2057.8	2047.0	1951.9	1608.2	1234.3	1268.8	1188.9	1357.5	1616.9	1573.6	1325.0
37.5°	2261.0	2243.7	2146.4	1776.8	1411.5	1456.9	1288.3	1465.5	1761.7	1699.0	1422.3
40°	2386.4	2388.5	2319.4	1910.8	1552.0	1575.8	1407.2	1597.4	1878.4	1891.4	1506.6
42.5°	2518.2	2516.1	2459.9	2068.6	1668.7	1699.0	1502.3	1722.8	2036.2	2051.3	1649.3
45°	2589.6	2585.2	2552.8	2176.7	1761.7	1783.3	1649.3	1876.2	2228.6	2224.3	1766.0
47.5°	2606.8	2613.3	2611.2	2282.6	1858.9	1867.6	1781.1	1988.6	2462.0	2414.5	1919.5
50°	2509.6	2513.9	2544.2	2366.9	1930.3	1938.9	1884.9	2116.2	2658.7	2602.5	2057.8
52.5°	2239.4	2265.3	2392.9	2315.0	1960.5	1993.0	1982.2	2213.4	2898.7	2829.5	2228.6
55°	1664.4	1724.9	2016.7	2120.5	1945.4	1995.1	2068.6	2390.7	3117.0	3032.7	2366.9
57.5°	1327.2	1338.0	1510.9	1796.3	1822.2	1984.3	2159.4	2498.8	3253.2	3168.9	2466.3
60°	1048.4	1065.7	1178.1	1407.2	1590.9	1919.5	2185.3	2609.0	3361.2	3289.9	2576.6
62.5°	812.7	810.6	897.1	1050.5	1281.8	1783.3	2150.8	2676.0	3499.6	3445.5	2773.3
65°	566.3	566.3	639.8	763.0	970.5	1539.0	2081.6	2771.1	3735.2	3720.1	3017.5
67.5°	386.9	395.6	445.3	505.8	665.8	1251.5	1977.8	2868.4	4078.9	4007.5	3253.2
70°	283.2	283.2	302.6	335.0	415.0	933.8	1791.9	2870.6	4329.6	4256.1	3376.4
72.5°	209.7	209.7	224.8	239.9	261.5	620.4	1469.9	2689.0	4264.8	4148.0	3125.6
75°	110.2	110.2	170.8	177.2	175.1	402.1	1085.1	2209.1	3605.5	3411.0	2446.9
77.5°	86.5	88.6	97.3	138.3	127.5	263.7	605.2	1359.6	2330.2	2092.4	1325.0
80°	62.7	60.5	75.7	88.6	75.7	153.5	285.3	596.6	825.7	715.5	436.6
82.5°	36.7	38.9	45.4	64.8	64.8	108.1	185.9	261.5	296.1	294.0	261.5
85°	4.3	6.5	23.8	43.2	38.9	62.7	155.6	181.6	233.4	237.8	233.4
87.5°	4.3	4.3	6.5	8.6	10.8	41.1	131.9	157.8	216.2	231.3	233.4
90°	8.6	6.5	4.3	4.3	6.5	32.4	123.2	162.1	229.1	233.4	244.3
92.5°	10.8	8.6	4.3	2.2	6.5	25.9	116.7	162.1	237.8	252.9	263.7
95°	15.1	13.0	4.3	2.2	6.5	21.6	99.4	153.5	248.6	274.5	285.3
97.5°	19.5	17.3	4.3	4.3	6.5	17.3	77.8	121.0	164.3	185.9	201.0
100°	21.6	21.6	4.3	4.3	6.5	10.8	38.9	67.0	51.9	49.7	56.2
102.5°	23.8	23.8	4.3	4.3	4.3	6.5	13.0	28.1	10.8	10.8	17.3
105°	23.8	23.8	4.3	4.3	4.3	4.3	4.3	10.8	8.6	10.8	19.5
107.5°	21.6	23.8	4.3	6.5	6.5	4.3	4.3	4.3	8.6	13.0	19.5
110°	19.5	19.5	4.3	6.5	6.5	4.3	2.2	4.3	8.6	13.0	21.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	15.1	10.8	2.2	6.5	4.3	4.3	2.2	4.3	10.8	15.1	21.6
115°	6.5	4.3	2.2	4.3	4.3	4.3	2.2	4.3	10.8	17.3	21.6
117.5°	4.3	2.2	2.2	2.2	2.2	4.3	2.2	6.5	15.1	19.5	25.9
120°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	6.5	19.5	21.6	30.3
122.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	19.5	21.6	30.3
125°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	15.1	19.5	25.9
127.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	10.8	15.1	21.6
130°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	10.8	13.0	17.3
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	6.5	8.6	13.0
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	8.6
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	2.2	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2
150°	4.3	6.5	10.8	8.6	4.3	2.2	4.3	2.2	2.2	2.2	2.2
152.5°	10.8	10.8	8.6	8.6	2.2	2.2	4.3	4.3	2.2	2.2	2.2
155°	8.6	8.6	6.5	2.2	2.2	2.2	2.2	4.3	6.5	8.6	6.5
157.5°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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°	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
2.5°	618.2	596.6	549.0	512.3	473.4	451.8	410.7	376.1	350.2	345.9	345.9
5°	618.2	575.0	490.7	399.9	315.6	272.4	248.6	233.4	222.6	218.3	216.2
7.5°	553.4	497.2	384.8	278.8	242.1	203.2	175.1	153.5	134.0	127.5	121.0
10°	484.2	415.0	261.5	192.4	153.5	127.5	114.6	108.1	101.6	99.4	99.4
12.5°	430.2	358.8	209.7	157.8	108.1	90.8	86.5	82.1	80.0	77.8	75.7
15°	525.3	430.2	218.3	108.1	75.7	64.8	60.5	62.7	67.0	67.0	67.0
17.5°	486.4	378.3	181.6	82.1	62.7	47.6	51.9	56.2	60.5	54.0	51.9
20°	581.5	445.3	177.2	64.8	51.9	47.6	45.4	38.9	49.7	49.7	49.7
22.5°	421.5	337.2	134.0	60.5	43.2	41.1	34.6	38.9	41.1	34.6	34.6
25°	624.7	438.8	131.9	47.6	43.2	32.4	34.6	28.1	34.6	34.6	34.6
27.5°	773.8	518.8	116.7	49.7	36.7	32.4	25.9	28.1	25.9	25.9	25.9
30°	920.8	583.6	105.9	49.7	34.6	25.9	23.8	21.6	25.9	25.9	25.9
32.5°	964.1	568.5	84.3	51.9	32.4	23.8	19.5	21.6	21.6	23.8	23.8
35°	1013.8	555.5	71.3	45.4	30.3	21.6	17.3	19.5	21.6	23.8	23.8
37.5°	1061.3	533.9	64.8	41.1	25.9	19.5	15.1	17.3	45.4	49.7	49.7
40°	1121.9	508.0	60.5	36.7	21.6	15.1	13.0	34.6	41.1	47.6	47.6
42.5°	1208.3	492.8	56.2	34.6	19.5	13.0	13.0	30.3	58.4	64.8	64.8
45°	1279.6	466.9	54.0	30.3	17.3	10.8	21.6	41.1	47.6	60.5	58.4
47.5°	1368.3	443.1	51.9	28.1	15.1	10.8	23.8	43.2	60.5	69.2	69.2
50°	1463.4	430.2	49.7	25.9	15.1	10.8	41.1	41.1	49.7	77.8	77.8
52.5°	1584.4	421.5	45.4	21.6	13.0	21.6	56.2	49.7	60.5	80.0	80.0
55°	1642.8	393.4	43.2	19.5	10.8	21.6	60.5	56.2	62.7	84.3	84.3
57.5°	1694.7	365.3	38.9	19.5	10.8	28.1	64.8	71.3	60.5	73.5	82.1
60°	1742.2	337.2	34.6	17.3	10.8	34.6	71.3	99.4	84.3	99.4	99.4
62.5°	1852.5	315.6	30.3	19.5	8.6	38.9	92.9	121.0	95.1	121.0	118.9
65°	1956.2	289.6	28.1	17.3	10.8	45.4	101.6	140.5	103.8	140.5	140.5
67.5°	1997.3	257.2	25.9	17.3	10.8	51.9	101.6	155.6	123.2	157.8	160.0
70°	1926.0	211.8	23.8	19.5	13.0	58.4	105.9	166.4	131.9	183.7	183.7
72.5°	1636.3	144.8	23.8	21.6	25.9	64.8	125.4	172.9	138.3	220.5	222.6
75°	1221.3	82.1	25.9	23.8	28.1	73.5	138.3	179.4	144.8	222.6	222.6
77.5°	696.0	56.2	25.9	28.1	34.6	73.5	144.8	185.9	142.7	218.3	214.0
80°	242.1	41.1	25.9	32.4	43.2	73.5	147.0	183.7	138.3	203.2	203.2
82.5°	164.3	34.6	25.9	32.4	51.9	77.8	144.8	172.9	123.2	170.8	164.3
85°	153.5	28.1	28.1	34.6	56.2	77.8	131.9	149.1	103.8	127.5	125.4
87.5°	151.3	25.9	32.4	36.7	60.5	71.3	112.4	123.2	84.3	103.8	101.6
90°	157.8	25.9	34.6	38.9	56.2	58.4	90.8	103.8	69.2	82.1	80.0
92.5°	168.6	25.9	36.7	43.2	49.7	43.2	73.5	82.1	58.4	62.7	60.5
95°	179.4	25.9	41.1	45.4	41.1	32.4	56.2	67.0	47.6	45.4	45.4
97.5°	118.9	19.5	43.2	45.4	34.6	23.8	43.2	51.9	28.1	23.8	23.8
100°	38.9	15.1	45.4	47.6	32.4	17.3	36.7	38.9	21.6	10.8	10.8
102.5°	17.3	15.1	41.1	41.1	28.1	13.0	25.9	28.1	15.1	4.3	4.3
105°	15.1	8.6	23.8	30.3	19.5	6.5	13.0	15.1	8.6	4.3	4.3
107.5°	17.3	8.6	13.0	17.3	8.6	6.5	6.5	6.5	4.3	4.3	4.3
110°	17.3	8.6	6.5	10.8	8.6	6.5	4.3	4.3	4.3	6.5	6.5

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CATALOG NUMBER: SDL-PA1-60-830-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.5	8.6	6.5	8.6	6.5	6.5	4.3	4.3	8.6	15.1	15.1
115°	19.5	8.6	6.5	8.6	6.5	6.5	4.3	2.2	8.6	21.6	23.8
117.5°	21.6	10.8	4.3	6.5	4.3	4.3	4.3	2.2	10.8	28.1	28.1
120°	25.9	10.8	4.3	4.3	4.3	2.2	4.3	4.3	10.8	30.3	30.3
122.5°	25.9	13.0	4.3	4.3	4.3	2.2	2.2	4.3	13.0	28.1	30.3
125°	21.6	10.8	4.3	4.3	4.3	2.2	2.2	4.3	13.0	25.9	30.3
127.5°	17.3	10.8	4.3	4.3	4.3	2.2	2.2	4.3	13.0	21.6	23.8
130°	15.1	8.6	4.3	4.3	4.3	2.2	2.2	4.3	10.8	17.3	19.5
132.5°	10.8	6.5	4.3	4.3	4.3	2.2	2.2	2.2	10.8	17.3	17.3
135°	8.6	6.5	4.3	4.3	4.3	2.2	2.2	2.2	8.6	13.0	13.0
137.5°	4.3	2.2	4.3	4.3	4.3	2.2	2.2	2.2	6.5	6.5	6.5
140°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	4.3	2.2
142.5°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	2.2	2.2	2.2	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2
152.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
155°	4.3	4.3	2.2	4.3	2.2	2.2	0.0	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
160°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
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)