

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: P560472

Luminaire Tested: **SDL-PA1-40-830-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-830-U-T2U-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3744.9 lumens
Efficiency: N/A
Efficacy: 95.0 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): 39.4
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



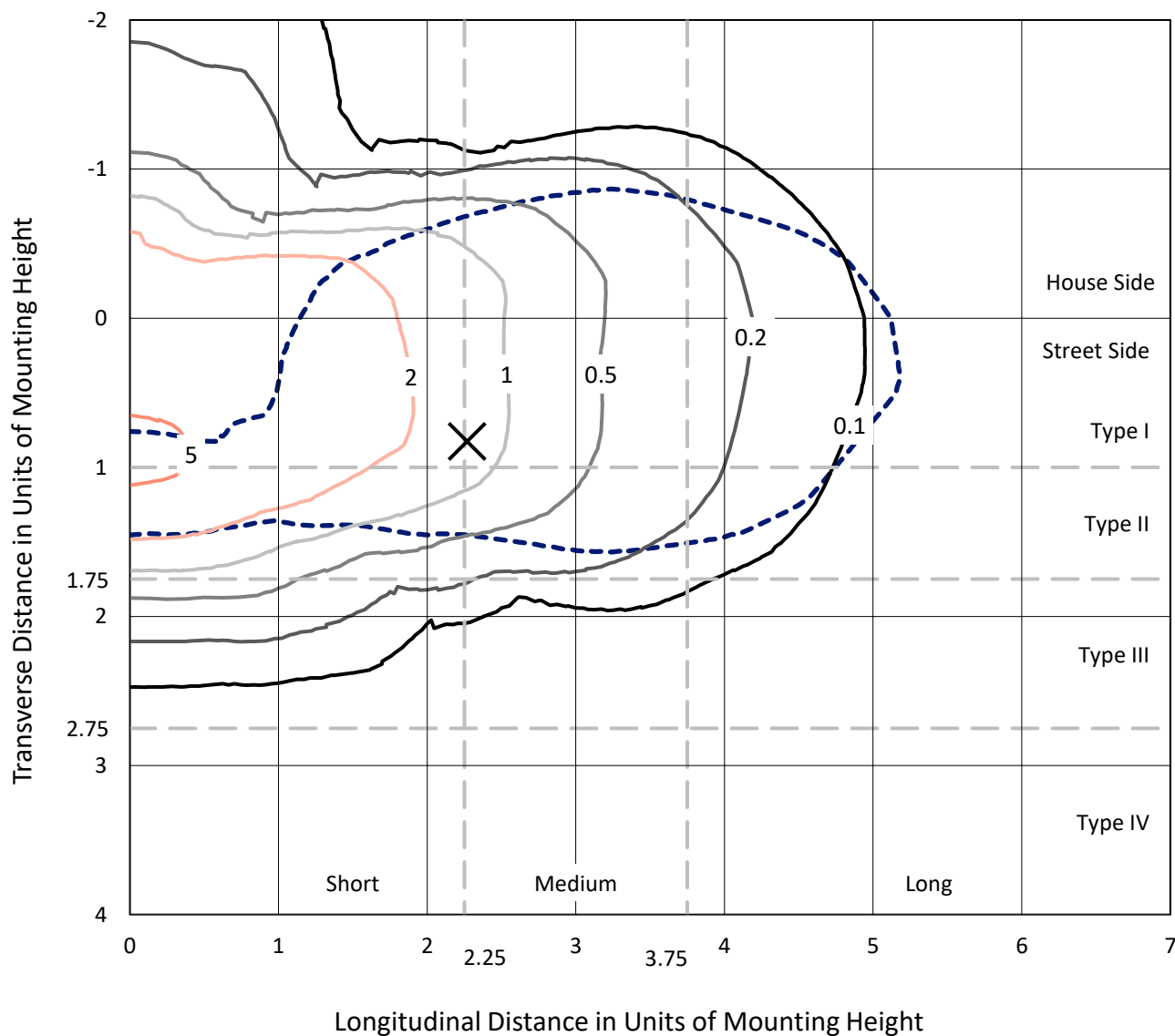
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

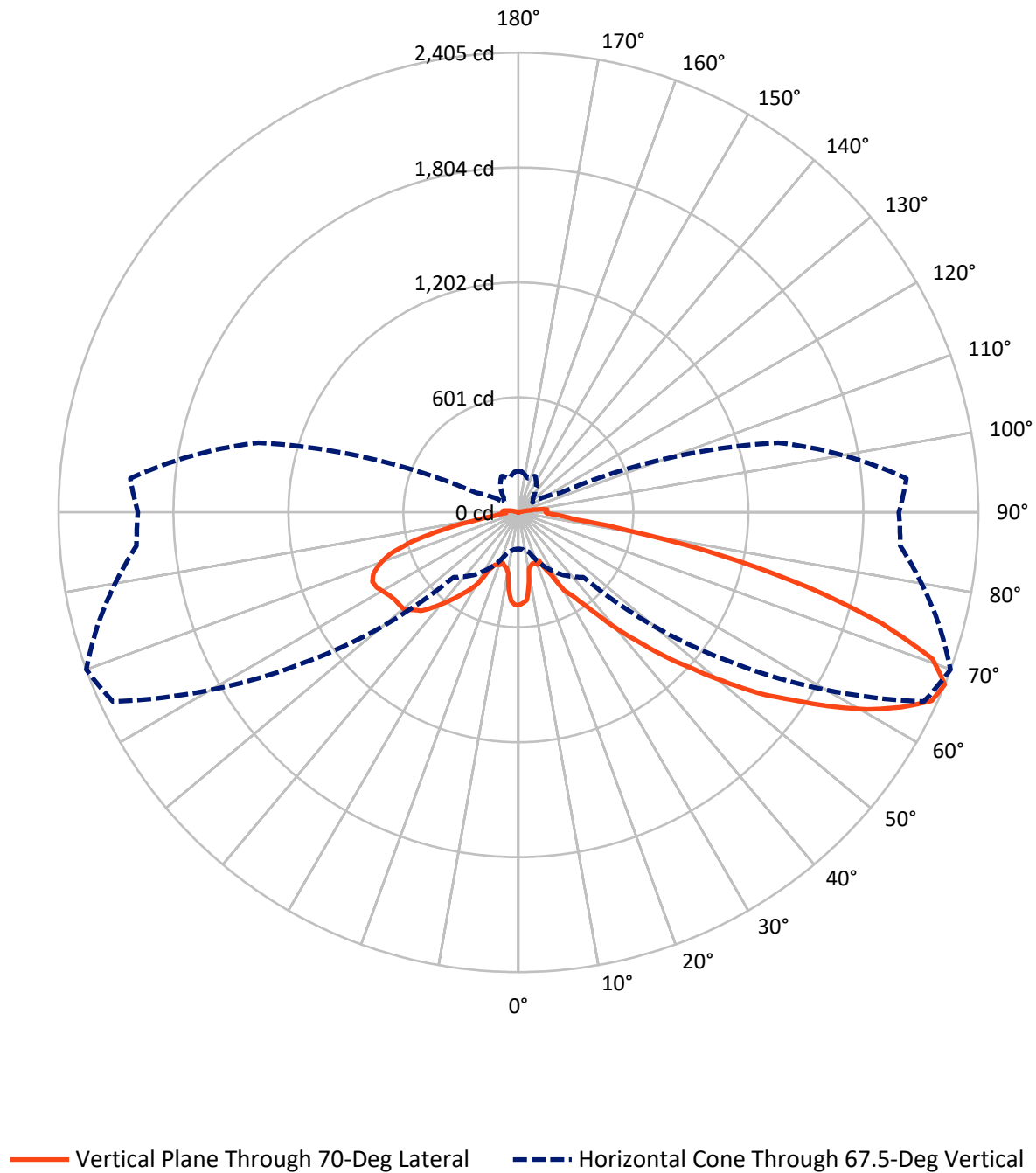


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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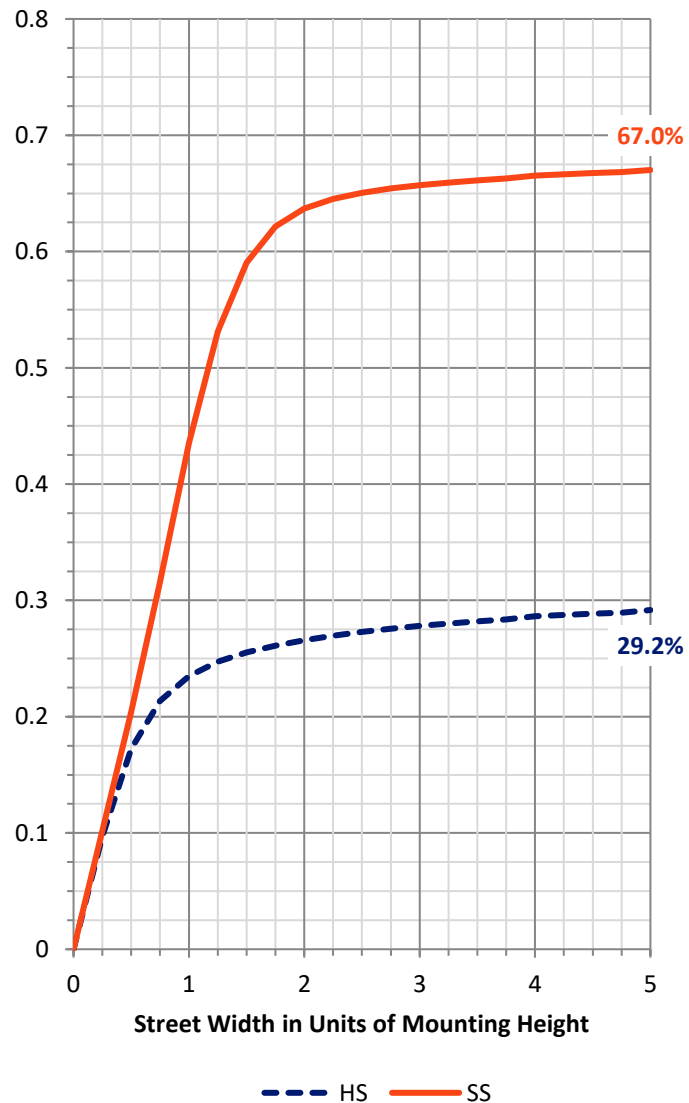
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.4	44.2	1170.5
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2531.7	42.7	2574.4
	% Fixture	67.6	1.1	68.7
Total	Lumens	3658.1	86.8	3744.9
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	1.0
10°-20°	89.8	2.4
20°-30°	159.4	4.3
30°-40°	335.8	9.0
40°-50°	627.9	16.8
50°-60°	869.6	23.2
60°-70°	838.5	22.4
70°-80°	551.3	14.7
80°-90°	146.9	3.9
90°-100°	60.2	1.6
100°-110°	13.2	0.4
110°-120°	5.7	0.2
120°-130°	4.1	0.1
130°-140°	1.8	0.0
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3658.1	97.7
0°-180°	3744.9	100.0

Coefficient of Utilization



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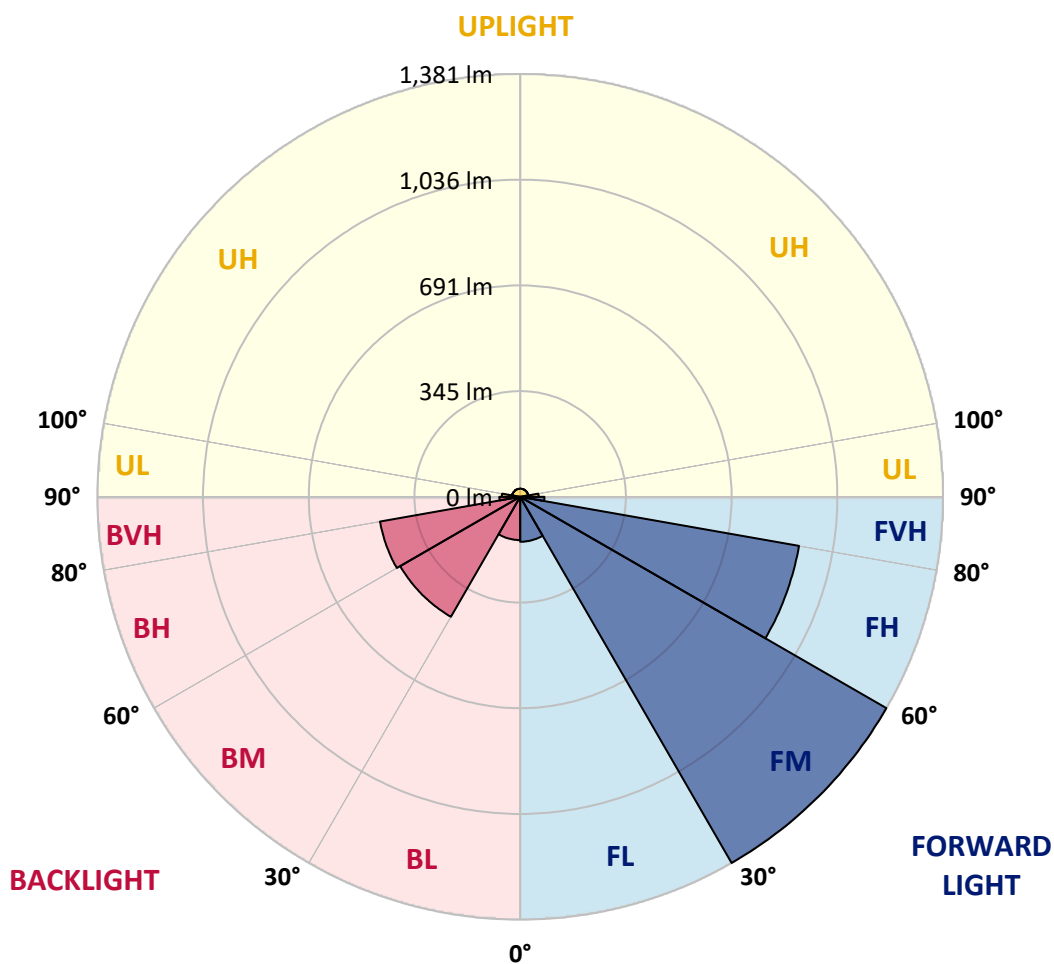
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.8	3.9			
FM	(30°-60°)	1381.1	36.9			
FH	(60°-80°)	924.8	24.7			G1/1800
FVH	(80°-90°)	79.1	2.1			G1/100
BL	(0°-30°)	141.3	3.8	B1/500		
BM	(30°-60°)	452.2	12.1	B1/1000		
BH	(60°-80°)	465.0	12.4	B1/500		G1/500
BVH	(80°-90°)	67.9	1.8			G1/100
UL	(90°-100°)	60.2	1.6		U3/500	
UH	(100°-180°)	26.6	0.7		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°	70°	75°	85°
0°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	404.6	437.5	427.5	458.9	466.1	473.2	474.7	476.1	474.7	476.1	478.9
5°	381.7	383.2	384.6	387.4	387.4	390.3	396.0	456.1	461.8	466.1	471.8
7.5°	318.8	333.1	360.3	370.3	374.6	380.3	383.2	383.2	388.9	403.2	413.2
10°	354.6	351.7	353.1	354.6	334.5	330.3	300.2	295.9	300.2	310.2	357.4
12.5°	297.4	311.7	341.7	348.8	324.5	287.4	283.1	288.8	287.4	258.8	303.1
15°	344.6	343.1	340.3	334.5	271.6	284.5	244.5	247.3	277.4	297.4	338.8
17.5°	300.2	298.8	338.8	327.4	285.9	221.6	278.8	258.8	283.1	261.6	280.2
20°	373.1	371.7	367.4	273.1	291.7	294.5	270.2	250.2	291.7	301.7	340.3
22.5°	338.8	338.8	366.0	358.8	295.9	311.7	257.3	304.5	273.1	277.4	257.3
25°	466.1	461.8	456.1	333.1	356.0	285.9	318.8	280.2	326.0	353.1	370.3
27.5°	451.8	443.2	437.5	441.8	357.4	374.6	316.0	348.8	376.0	387.4	431.8
30°	634.8	623.3	606.2	463.2	444.6	383.2	381.7	431.8	476.1	511.8	536.1
32.5°	809.2	812.1	723.4	621.9	491.8	511.8	454.6	506.1	520.4	557.6	571.9
35°	1037.9	1009.3	953.6	776.3	599.0	579.0	529.0	577.6	591.9	627.6	636.2
37.5°	1218.1	1219.5	1133.7	933.6	717.7	700.5	613.3	663.4	689.1	729.1	714.8
40°	1391.1	1398.2	1329.6	1095.1	867.8	820.6	714.8	773.5	809.2	833.5	809.2
42.5°	1545.5	1544.0	1496.9	1273.8	1007.9	980.8	822.1	897.8	929.3	952.2	933.6
45°	1667.0	1662.7	1619.8	1419.7	1173.8	1210.9	962.2	1040.8	1073.7	1099.4	1053.7
47.5°	1708.5	1685.6	1667.0	1525.5	1328.2	1413.9	1135.2	1179.5	1218.1	1262.4	1188.1
50°	1664.1	1634.1	1641.3	1575.5	1458.3	1584.1	1321.0	1339.6	1386.8	1425.4	1315.3
52.5°	1479.7	1472.6	1512.6	1525.5	1514.0	1714.2	1529.7	1476.8	1569.8	1574.1	1446.8
55°	1236.7	1228.1	1322.4	1375.3	1461.1	1765.6	1707.0	1669.9	1729.9	1722.8	1564.1
57.5°	996.5	990.8	1076.5	1163.8	1312.4	1737.0	1831.4	1881.4	1911.5	1871.4	1672.7
60°	667.7	679.1	826.3	943.6	1073.7	1565.5	1878.6	2078.7	2093.0	2007.3	1787.1
62.5°	426.0	441.8	536.1	727.7	802.0	1271.0	1844.3	2254.6	2246.0	2130.2	1892.9
65°	273.1	278.8	324.5	493.2	574.7	842.1	1691.3	2374.7	2376.1	2240.3	1977.2
67.5°	191.6	193.0	214.5	307.4	397.4	478.9	1375.3	2340.4	2404.7	2277.5	2004.4
70°	171.6	173.0	178.7	208.7	301.7	297.4	833.5	2091.6	2298.9	2228.9	1962.9
72.5°	153.0	154.4	164.4	181.6	231.6	233.0	398.9	1665.6	1987.2	2055.9	1840.0
75°	127.2	130.1	141.5	170.1	178.7	195.9	267.3	1170.9	1564.1	1771.4	1694.2
77.5°	107.2	108.7	117.2	144.4	155.8	158.7	228.7	649.1	1080.8	1303.9	1492.6
80°	85.8	85.8	92.9	114.4	128.7	130.1	204.4	343.1	599.0	789.2	1037.9
82.5°	55.8	57.2	65.8	85.8	95.8	128.7	181.6	250.2	293.1	380.3	471.8
85°	35.7	35.7	41.5	48.6	57.2	98.6	160.1	207.3	218.7	238.8	214.5
87.5°	17.2	17.2	15.7	18.6	21.4	37.2	111.5	147.3	148.7	145.8	157.3
90°	14.3	14.3	11.4	12.9	14.3	20.0	84.4	144.4	143.0	148.7	163.0
92.5°	15.7	15.7	11.4	12.9	14.3	17.2	61.5	145.8	150.1	157.3	173.0
95°	17.2	17.2	11.4	11.4	12.9	15.7	38.6	125.8	151.5	158.7	178.7
97.5°	15.7	15.7	8.6	10.0	11.4	14.3	24.3	94.4	118.7	124.4	141.5
100°	14.3	14.3	7.1	8.6	10.0	11.4	15.7	48.6	51.5	38.6	54.3
102.5°	12.9	14.3	5.7	7.1	7.1	7.1	10.0	22.9	22.9	12.9	14.3
105°	12.9	14.3	5.7	5.7	4.3	5.7	5.7	8.6	10.0	7.1	11.4
107.5°	14.3	14.3	5.7	5.7	4.3	4.3	4.3	5.7	7.1	5.7	11.4
110°	12.9	12.9	4.3	5.7	2.9	2.9	2.9	4.3	5.7	5.7	12.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.6	8.6	4.3	5.7	2.9	2.9	2.9	4.3	5.7	7.1	15.7
115°	7.1	5.7	2.9	4.3	2.9	2.9	2.9	4.3	4.3	5.7	12.9
117.5°	7.1	5.7	2.9	2.9	1.4	2.9	2.9	4.3	4.3	5.7	11.4
120°	7.1	7.1	2.9	1.4	1.4	1.4	1.4	2.9	4.3	7.1	12.9
122.5°	8.6	7.1	2.9	2.9	1.4	1.4	1.4	2.9	4.3	7.1	12.9
125°	8.6	8.6	4.3	2.9	1.4	1.4	1.4	2.9	4.3	5.7	11.4
127.5°	8.6	7.1	4.3	2.9	1.4	1.4	1.4	1.4	2.9	4.3	10.0
130°	7.1	7.1	4.3	1.4	1.4	1.4	1.4	1.4	2.9	2.9	7.1
132.5°	5.7	5.7	4.3	1.4	1.4	1.4	1.4	1.4	1.4	2.9	5.7
135°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	4.3
137.5°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
150°	2.9	2.9	5.7	4.3	2.9	1.4	2.9	1.4	1.4	1.4	1.4
152.5°	4.3	4.3	5.7	4.3	1.4	1.4	1.4	2.9	1.4	1.4	1.4
155°	2.9	2.9	2.9	1.4	1.4	1.4	1.4	1.4	2.9	2.9	4.3
157.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
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°	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7	484.7
2.5°	480.4	480.4	484.7	486.1	484.7	483.2	474.7	448.9	433.2	434.6	434.6
5°	473.2	474.7	478.9	453.2	421.8	424.6	428.9	430.3	430.3	433.2	433.2
7.5°	417.5	418.9	407.5	411.7	421.8	428.9	431.8	424.6	401.7	393.2	393.2
10°	361.7	361.7	321.7	323.1	334.5	356.0	423.2	430.3	437.5	438.9	437.5
12.5°	305.9	307.4	274.5	316.0	301.7	340.3	390.3	431.8	398.9	366.0	370.3
15°	341.7	344.6	308.8	271.6	278.8	336.0	291.7	400.3	403.2	403.2	403.2
17.5°	274.5	290.2	273.1	280.2	308.8	253.1	330.3	366.0	336.0	327.4	327.4
20°	341.7	341.7	311.7	270.2	285.9	328.8	293.1	326.0	383.2	383.2	381.7
22.5°	254.5	254.5	273.1	313.1	287.4	324.5	310.2	337.4	304.5	304.5	313.1
25°	367.4	363.1	331.7	277.4	327.4	300.2	311.7	294.5	344.6	348.8	346.0
27.5°	443.2	440.3	356.0	318.8	307.4	320.2	280.2	274.5	264.5	304.5	300.2
30°	524.7	517.5	466.1	384.6	337.4	270.2	253.1	263.1	291.7	293.1	291.7
32.5°	563.3	547.6	490.4	460.4	344.6	278.8	227.3	234.5	290.2	307.4	307.4
35°	616.2	599.0	534.7	501.8	343.1	245.9	201.6	227.3	261.6	263.1	263.1
37.5°	689.1	663.4	609.0	526.1	320.2	217.3	185.9	201.6	225.9	233.0	235.9
40°	773.5	740.6	692.0	541.8	287.4	183.0	165.8	185.9	204.4	198.7	198.7
42.5°	892.1	843.5	773.5	566.1	245.9	161.6	151.5	170.1	183.0	185.9	184.4
45°	1003.6	943.6	869.2	574.7	200.2	145.8	141.5	161.6	174.4	170.1	170.1
47.5°	1129.4	1053.7	940.7	554.7	164.4	137.2	141.5	155.8	161.6	168.7	168.7
50°	1253.8	1172.3	1045.1	523.3	145.8	131.5	141.5	150.1	161.6	165.8	164.4
52.5°	1366.8	1295.3	1108.0	467.5	135.8	127.2	137.2	150.1	164.4	171.6	171.6
55°	1489.7	1416.8	1165.2	417.5	127.2	118.7	141.5	155.8	160.1	164.4	164.4
57.5°	1582.6	1525.5	1228.1	373.1	121.5	118.7	144.4	163.0	161.6	165.8	165.8
60°	1695.6	1645.6	1285.3	351.7	112.9	112.9	150.1	175.8	164.4	177.3	177.3
62.5°	1815.7	1785.7	1341.0	336.0	104.4	110.1	151.5	185.9	170.1	190.1	191.6
65°	1931.5	1937.2	1392.5	298.8	97.2	110.1	154.4	198.7	175.8	201.6	204.4
67.5°	1990.1	2037.3	1406.8	240.2	90.1	108.7	163.0	208.7	184.4	213.0	214.5
70°	1978.7	2040.1	1373.9	177.3	84.4	114.4	175.8	217.3	188.7	227.3	227.3
72.5°	1878.6	1922.9	1276.7	134.4	78.6	110.1	178.7	220.2	191.6	250.2	250.2
75°	1737.0	1691.3	1050.8	111.5	74.3	110.1	174.4	217.3	188.7	244.5	243.0
77.5°	1506.9	1353.9	724.8	98.6	70.1	105.8	163.0	211.6	180.1	227.3	230.2
80°	966.5	833.5	370.3	85.8	74.3	101.5	157.3	195.9	167.3	203.0	204.4
82.5°	440.3	370.3	168.7	75.8	72.9	91.5	143.0	174.4	145.8	173.0	171.6
85°	185.9	188.7	133.0	64.3	64.3	71.5	105.8	135.8	112.9	121.5	118.7
87.5°	144.4	138.7	91.5	38.6	41.5	31.5	68.6	97.2	74.3	78.6	77.2
90°	153.0	150.1	97.2	40.0	30.0	18.6	51.5	75.8	55.8	50.0	48.6
92.5°	163.0	161.6	108.7	42.9	30.0	15.7	44.3	61.5	40.0	34.3	32.9
95°	174.4	174.4	118.7	45.7	30.0	15.7	40.0	47.2	30.0	22.9	21.4
97.5°	138.7	141.5	101.5	47.2	28.6	15.7	35.7	38.6	22.9	12.9	12.9
100°	55.8	61.5	55.8	47.2	25.7	12.9	28.6	30.0	15.7	7.1	7.1
102.5°	12.9	15.7	38.6	41.5	20.0	8.6	18.6	18.6	10.0	4.3	4.3
105°	12.9	11.4	25.7	32.9	11.4	5.7	8.6	11.4	5.7	2.9	2.9
107.5°	12.9	12.9	11.4	15.7	5.7	4.3	4.3	4.3	2.9	2.9	2.9
110°	14.3	12.9	5.7	5.7	4.3	4.3	2.9	2.9	1.4	8.6	10.0



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CATALOG NUMBER: SDL-PA1-40-830-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.2	15.7	7.1	5.7	4.3	4.3	2.9	2.9	4.3	14.3	14.3
115°	14.3	12.9	7.1	4.3	4.3	4.3	2.9	1.4	4.3	15.7	15.7
117.5°	12.9	11.4	7.1	4.3	2.9	4.3	2.9	1.4	4.3	15.7	15.7
120°	14.3	12.9	7.1	4.3	2.9	2.9	2.9	1.4	4.3	14.3	14.3
122.5°	14.3	14.3	8.6	2.9	2.9	1.4	2.9	1.4	4.3	12.9	12.9
125°	12.9	11.4	7.1	2.9	1.4	1.4	1.4	1.4	5.7	11.4	12.9
127.5°	11.4	10.0	5.7	2.9	1.4	1.4	1.4	1.4	4.3	8.6	10.0
130°	8.6	8.6	4.3	2.9	1.4	1.4	1.4	1.4	4.3	8.6	7.1
132.5°	5.7	5.7	4.3	2.9	1.4	1.4	1.4	1.4	4.3	5.7	5.7
135°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	2.9	1.4	1.4	2.9	1.4	1.4	1.4
152.5°	1.4	1.4	1.4	2.9	1.4	1.4	1.4	1.4	4.3	4.3	2.9
155°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	2.9	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	1.4	0.0
160°	0.0	0.0	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
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)