

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: P560471

Luminaire Tested: **SDL-PA1-40-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
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-T2R
Description: Springdale
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3903.7 lumens
Efficiency: N/A
Efficacy: 99.1 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 - U0 - 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



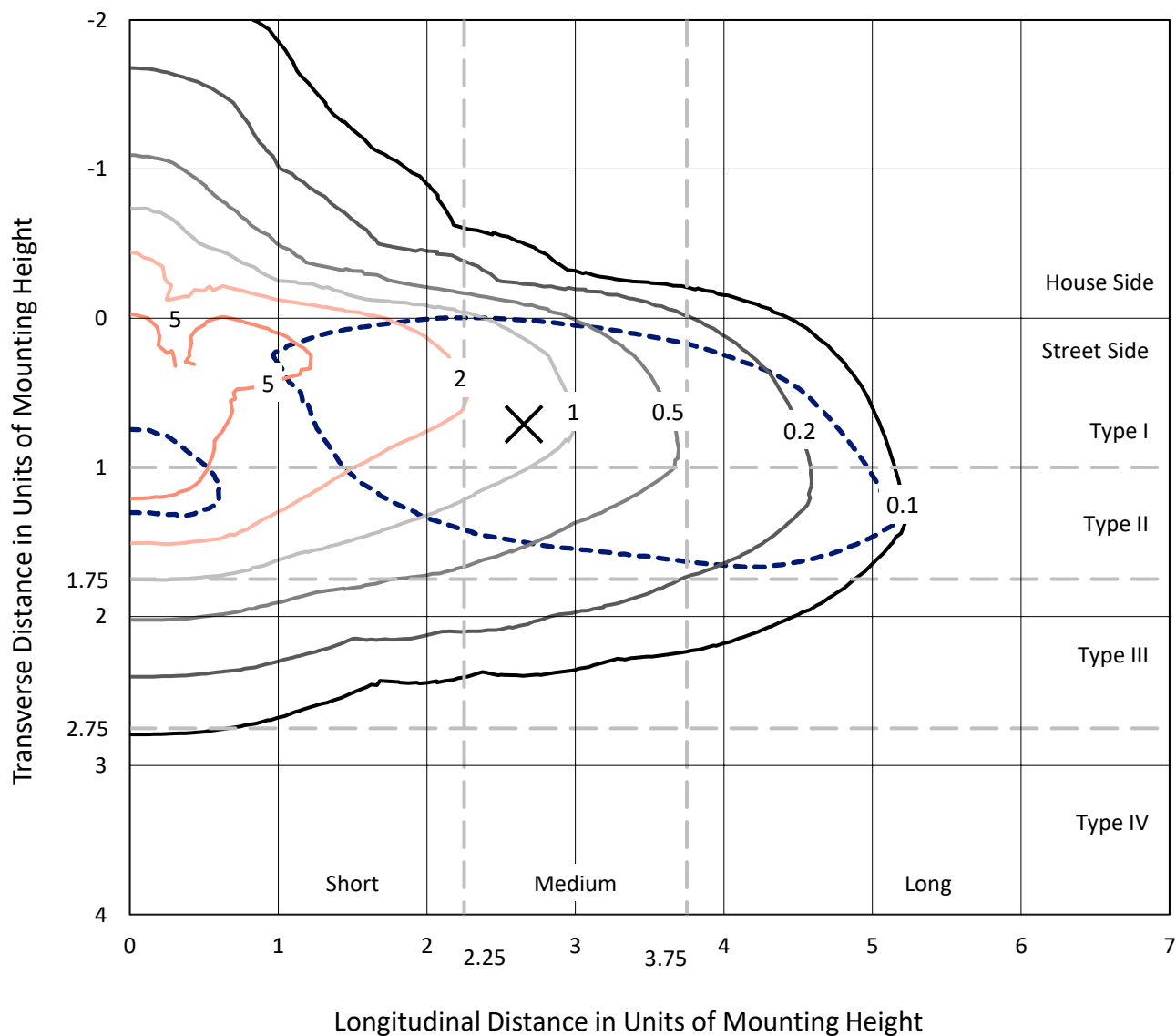
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

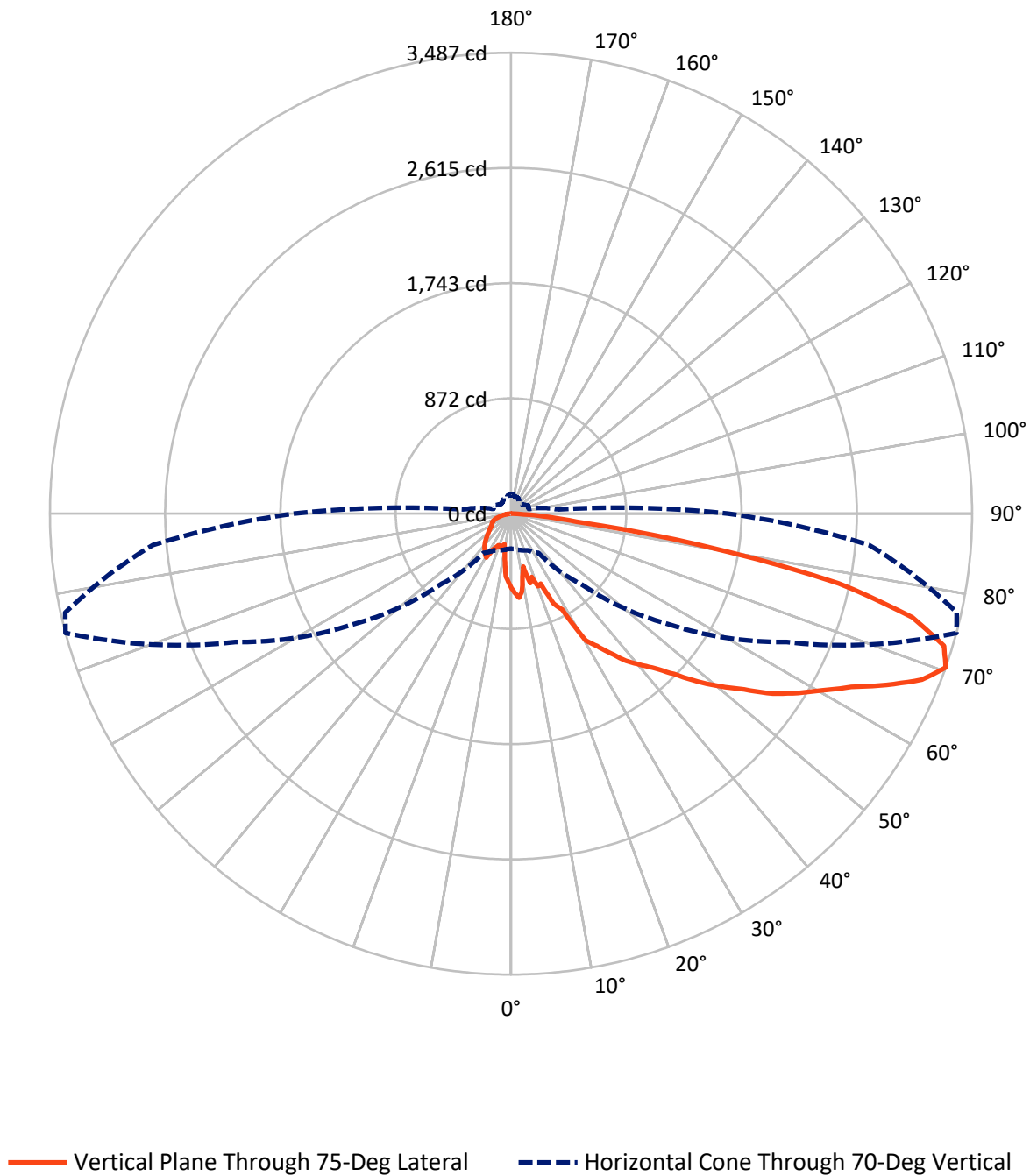


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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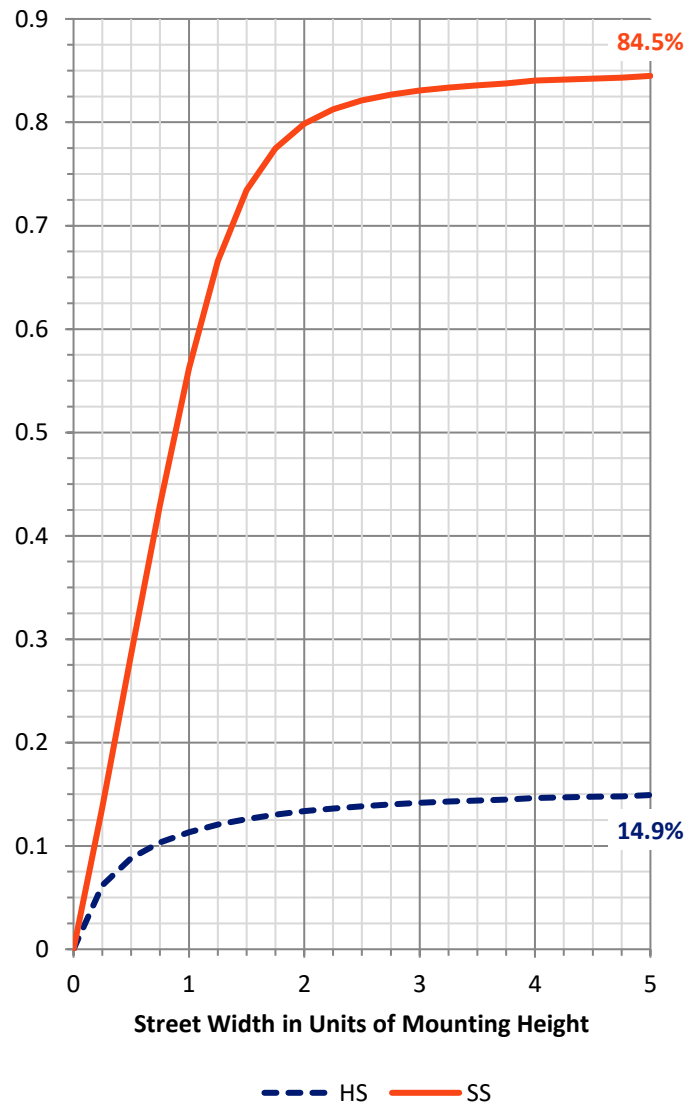
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	593.8	0.0	593.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	3309.8	0.0	3309.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	3903.7	0.0	3903.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	1.2
10°-20°	124.0	3.2
20°-30°	226.7	5.8
30°-40°	460.3	11.8
40°-50°	706.4	18.1
50°-60°	851.6	21.8
60°-70°	823.5	21.1
70°-80°	571.3	14.6
80°-90°	93.3	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3903.7	100.0
0°-180°	3903.7	100.0

Coefficient of Utilization



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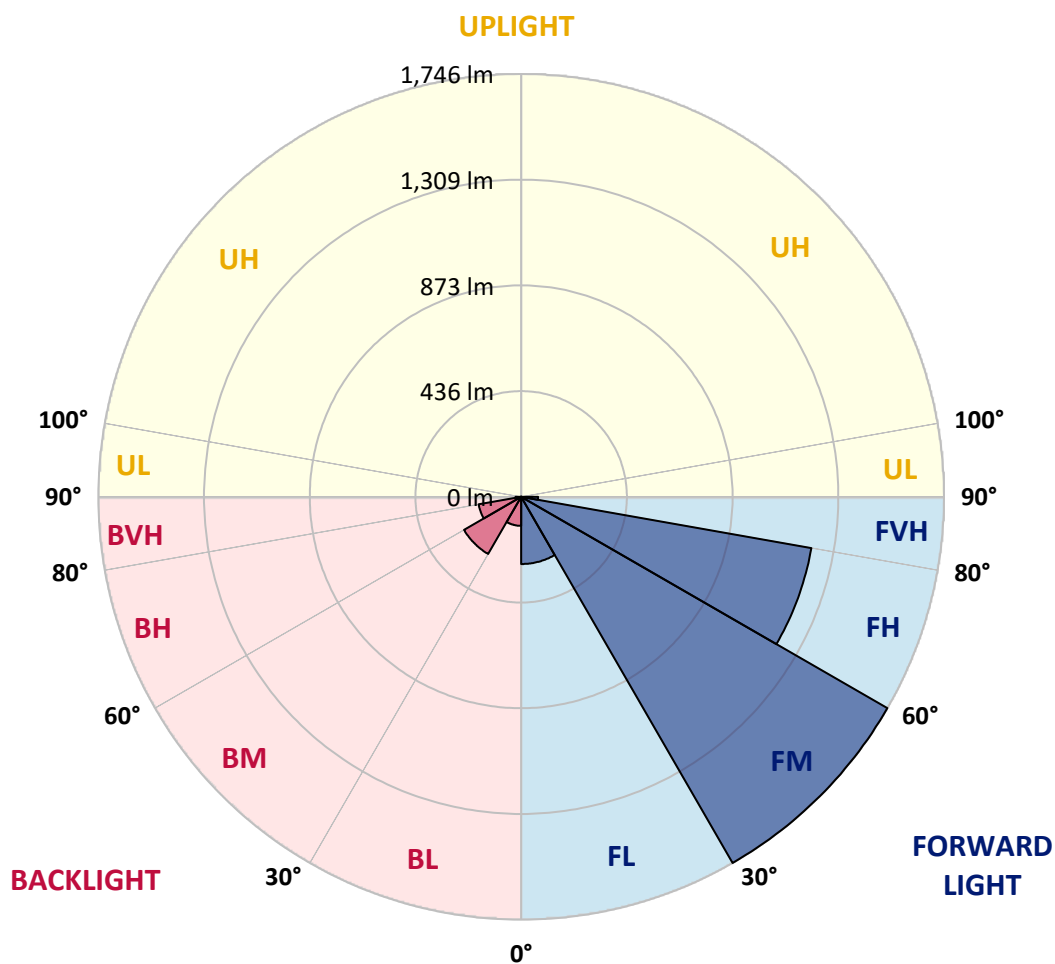
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	277.5	7.1			
FM	(30°-60°)	1745.8	44.7			
FH	(60°-80°)	1216.7	31.2			G1/1800
FVH	(80°-90°)	69.9	1.8			G1/100
BL	(0°-30°)	119.9	3.1	B1/500		
BM	(30°-60°)	272.4	7.0	B1/1000		
BH	(60°-80°)	178.1	4.6	B1/500		G1/500
BVH	(80°-90°)	23.4	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	585.7	641.7	614.4	646.0	661.8	651.7	643.1	621.6	602.9	595.7	577.1
5°	646.0	644.5	637.4	634.5	621.6	605.8	592.9	664.6	638.8	625.9	592.9
7.5°	572.8	621.6	657.5	676.1	676.1	657.5	637.4	549.8	594.3	582.8	535.4
10°	719.2	719.2	717.7	719.2	590.0	621.6	534.0	496.7	480.9	518.2	480.9
12.5°	611.5	664.6	724.9	746.5	687.6	587.1	546.9	525.4	412.0	403.4	426.3
15°	719.2	723.5	729.2	641.7	545.5	623.0	476.6	472.3	545.5	532.6	538.3
17.5°	577.1	582.8	707.7	691.9	634.5	472.3	594.3	531.1	503.9	486.6	485.2
20°	727.8	730.7	729.2	546.9	585.7	643.1	615.8	468.0	587.1	594.3	601.5
22.5°	615.8	617.3	624.4	696.2	592.9	670.4	555.5	697.7	575.6	592.9	447.9
25°	828.3	828.3	802.4	627.3	717.7	611.5	676.1	600.0	755.1	735.0	673.2
27.5°	772.3	766.6	736.4	776.6	647.4	773.7	668.9	753.6	819.7	791.0	816.8
30°	1085.2	1092.4	1053.7	806.7	788.1	742.2	770.9	892.9	1115.4	1099.6	981.9
32.5°	1452.7	1385.3	1208.7	1045.0	861.3	905.8	861.3	1053.7	1194.3	1197.2	1039.3
35°	1630.7	1625.0	1548.9	1233.1	990.5	990.5	966.1	1099.6	1296.3	1277.6	1101.0
37.5°	1772.8	1764.2	1711.1	1393.9	1106.8	1101.0	1022.1	1169.9	1412.5	1365.2	1168.5
40°	1893.4	1881.9	1836.0	1505.8	1233.1	1205.8	1091.0	1250.3	1503.0	1507.3	1233.1
42.5°	1973.8	1969.5	1936.5	1607.8	1337.9	1289.1	1182.8	1353.7	1599.1	1623.5	1313.5
45°	2037.0	2035.5	2006.8	1719.7	1412.5	1365.2	1280.5	1431.2	1731.2	1745.6	1399.6
47.5°	2044.1	2049.9	2049.9	1775.7	1464.2	1432.6	1380.9	1500.1	1899.2	1869.0	1500.1
50°	1969.5	1975.2	2011.1	1869.0	1508.7	1488.6	1467.1	1583.3	2052.8	2008.3	1606.3
52.5°	1778.6	1791.5	1889.1	1823.1	1531.7	1530.2	1547.5	1691.0	2209.2	2161.9	1747.0
55°	1368.0	1376.6	1619.2	1688.1	1524.5	1540.3	1607.8	1824.5	2403.0	2361.4	1894.9
57.5°	1045.0	1069.4	1221.6	1432.6	1445.5	1531.7	1646.5	1917.8	2559.5	2517.9	2031.2
60°	841.2	858.4	947.4	1132.6	1276.2	1494.3	1699.6	2034.1	2711.6	2691.6	2177.6
62.5°	658.9	670.4	732.1	854.1	1036.4	1406.8	1732.6	2160.4	2886.8	2876.7	2368.6
65°	472.3	483.8	538.3	618.7	801.0	1241.7	1716.9	2281.0	3122.2	3112.2	2553.7
67.5°	344.5	347.4	383.3	437.8	568.5	1004.8	1639.3	2357.1	3351.9	3331.8	2695.9
70°	265.6	268.4	285.7	305.8	363.2	760.8	1458.5	2299.7	3486.8	3452.4	2717.4
72.5°	215.3	215.3	222.5	232.6	248.3	496.7	1145.5	2074.3	3423.7	3356.2	2538.0
75°	180.9	180.9	185.2	182.3	173.7	310.1	796.7	1732.6	3135.1	3050.4	2209.2
77.5°	152.2	150.7	150.7	152.2	134.9	211.0	486.6	1335.0	2533.6	2451.8	1637.9
80°	124.9	124.9	124.9	124.9	110.5	150.7	290.0	885.7	1455.6	1270.4	750.8
82.5°	91.9	93.3	97.6	97.6	91.9	110.5	150.7	370.4	498.1	440.7	265.6
85°	43.1	44.5	57.4	60.3	58.9	54.5	79.0	166.5	232.6	211.0	61.7
87.5°	1.4	1.4	5.7	12.9	11.5	8.6	15.8	23.0	8.6	10.0	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1	564.1
2.5°	564.1	551.2	521.1	495.2	468.0	449.3	407.7	377.5	361.7	358.9	363.2
5°	567.0	538.3	478.0	401.9	344.5	330.2	324.4	323.0	321.6	321.6	321.6
7.5°	499.6	462.2	371.8	315.8	324.4	324.4	324.4	320.1	294.3	282.8	282.8
10°	440.7	391.9	277.1	255.5	257.0	269.9	304.3	340.2	347.4	348.8	350.3
12.5°	381.8	334.5	235.4	248.3	223.9	265.6	314.4	350.3	315.8	298.6	298.6
15°	480.9	413.4	272.7	218.2	221.1	265.6	239.7	324.4	347.4	348.8	350.3
17.5°	433.5	364.6	254.1	229.7	242.6	202.4	274.2	307.2	282.8	279.9	277.1
20°	526.8	433.5	265.6	228.2	226.8	245.5	232.6	232.6	315.8	315.8	315.8
22.5°	390.5	321.6	258.4	257.0	216.8	242.6	231.1	258.4	248.3	244.0	244.0
25°	572.8	453.6	282.8	225.4	232.6	213.9	238.3	212.5	262.7	265.6	265.6
27.5°	687.6	532.6	307.2	249.8	213.9	229.7	196.7	213.9	202.4	203.8	203.8
30°	819.7	624.4	381.8	261.3	219.6	189.5	195.2	185.2	219.6	215.3	213.9
32.5°	855.6	630.2	367.5	277.1	213.9	190.9	176.6	190.9	203.8	222.5	222.5
35°	897.2	635.9	347.4	264.1	209.6	178.0	175.1	190.9	206.7	201.0	201.0
37.5°	935.9	640.2	331.6	248.3	192.4	173.7	173.7	176.6	192.4	183.7	183.7
40°	980.4	641.7	312.9	231.1	178.0	170.8	160.8	163.6	165.1	159.3	157.9
42.5°	1030.7	640.2	291.4	215.3	165.1	159.3	152.2	152.2	156.5	155.0	153.6
45°	1085.2	638.8	268.4	196.7	150.7	143.5	139.2	156.5	163.6	163.6	160.8
47.5°	1151.3	638.8	246.9	175.1	140.7	129.2	126.3	145.0	159.3	162.2	165.1
50°	1227.3	635.9	226.8	159.3	130.6	120.6	124.9	143.5	155.0	159.3	157.9
52.5°	1326.4	630.2	209.6	146.4	123.5	110.5	117.7	139.2	153.6	155.0	153.6
55°	1412.5	610.1	192.4	140.7	117.7	104.8	113.4	137.8	150.7	150.7	150.7
57.5°	1485.7	581.4	178.0	136.4	116.3	103.4	112.0	136.4	145.0	149.3	149.3
60°	1574.7	545.5	168.0	134.9	114.8	101.9	110.5	134.9	142.1	147.9	147.9
62.5°	1666.6	515.3	162.2	134.9	110.5	103.4	110.5	134.9	140.7	147.9	146.4
65°	1741.3	476.6	156.5	137.8	109.1	103.4	110.5	134.9	139.2	146.4	146.4
67.5°	1736.9	423.5	149.3	145.0	110.5	104.8	110.5	133.5	136.4	146.4	143.5
70°	1639.3	361.7	137.8	143.5	114.8	104.8	109.1	129.2	130.6	143.5	139.2
72.5°	1462.8	292.8	122.0	134.9	114.8	106.2	106.2	123.5	123.5	137.8	129.2
75°	1224.5	225.4	100.5	119.1	109.1	109.1	100.5	116.3	113.4	122.0	113.4
77.5°	913.0	170.8	77.5	99.0	99.0	107.7	96.2	107.7	103.4	104.8	100.5
80°	380.4	103.4	58.9	77.5	84.7	104.8	91.9	97.6	87.6	87.6	84.7
82.5°	157.9	66.0	40.2	48.8	57.4	93.3	87.6	83.3	71.8	66.0	61.7
85°	57.4	35.9	27.3	33.0	37.3	64.6	63.2	53.1	41.6	45.9	37.3
87.5°	4.3	5.7	5.7	7.2	7.2	8.6	14.4	14.4	8.6	7.2	4.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: SDL-PA1-40-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)